Prescriptive Energy Code Compliance for All Climate Zones Project Information			Contact Information	
Marshall Residence		E	Brad Sturman- Sturman Architects	
4307 East Mercer Way			9- 103rd Ave NE Ste. 203	
Mercer Island, WA 98040		Bellevue, WA 98004		
This project will use the requirer the minimum values listed. In ad number of additional credits are Authorized Representative	dition, based on the size	of the structure,	the appropriate	
All C	Climate Zones			
	R-Value ^a	U-Factor ^a		
Fenestration U-Factor ^b	n/a	0.30		
Skylight U-Factor	n/a	0.50		
Glazed Fenestration SHGC ^{b,e}	n/a	n/a		
Ceiling ^k	49 ^j	0.026		
Wood Frame Wall ^{g,m,n}	21 int	0.056		
Mass Wall R-Value	21/21 ^h	0.056		
Floor	30 ⁹	0.029		
Below Grade Wall ^{c,m}	10/15/21 int + TB	0.042		
Slab ^d R-Value & Depth	10, 2 ft	n/a	-	
*Table R402.1.1 and Table R402.1			_	
Each dwelling unit in a residenti	al building shall comply v	vith sufficient op	tions from Table R406.2 so as to achieve	
the following minimum number				
area. Additions to exist square feet. 2. Medium Dwelling Unit: 3.5 All dwelling units that a	n 1500 square feet in cond sting building that are great credits	er than 500 squar	with less than 300 square feet of fenestration e feet of heated floor area but less than 1500 elling units serving R-2 occupancies shall	
require 2.5 credits.				
3. Large Dwelling Unit: 4.5 cr	redits			
<u> </u>		14.4		
Dwelling units exceed	ing 5000 square feet of con	ditioned floor area	а.	
<u> </u>	ing 5000 square feet of con	ditioned floor area	3.	
Dwelling units exceed	ing 5000 square feet of con	ditioned floor area	1.	
Dwelling units exceeding 4. Additions less than 500 so Table R406.2 Summary Option Description	ing 5000 square feet of con quare feet: .5 credits	ditioned floor area		
Dwelling units exceeding 4. Additions less than 500 scribion Table R406.2 Summary Option Description 1a Efficient Building Envero	ing 5000 square feet of con quare feet: .5 credits elope 1a	Credit(s	·	
Dwelling units exceed 4. Additions less than 500 so Table R406.2 Summary Option Description 1a Efficient Building Enverone	ing 5000 square feet of con quare feet: .5 credits elope 1a elope 1b	Credit(s 0.5 1.0		
Dwelling units exceeds 4. Additions less than 500 so Table R406.2 Summary Option Description 1a Efficient Building Enveronment 1b Efficient Building Enveronment 1c Efficient Building Enveronment	ing 5000 square feet of con quare feet: .5 credits elope 1a elope 1b elope 1c	Credit(s 0.5 1.0 2.0	·	
Dwelling units exceeds 4. Additions less than 500 so Table R406.2 Summary Option Description 1a Efficient Building Enveronment 1b Efficient Building Enveronment 1c Efficient Building Enveronment 1d Efficient Building En	ing 5000 square feet of conquare feet: .5 credits elope 1a elope 1b elope 1c elope 1d	Credit(s 0.5 1.0 2.0 0.5	·	
Dwelling units exceeds 4. Additions less than 500 so Table R406.2 Summary Option Description 1a Efficient Building Enveronment 1b Efficient Building Enveronment 1c Efficient Building Enveronment 1d Efficient Building Enveronment 2a Air Leakage Control a	ing 5000 square feet of con quare feet: .5 credits elope 1a elope 1b elope 1c	Credit(s 0.5 1.0 2.0		

Total Credits 1.50

1.0

1.0

1.5

1.0

1.0

0.5

1.0

1.5

0.5

0.5

*1200 kwh

1.0

0.5

0.0

High Efficiency HVAC Distribution System

High Efficiency HVAC 3a

High Efficiency HVAC 3b

High Efficiency HVAC 3c

High Efficiency HVAC 3d

Efficient Water Heating 5a Efficient Water Heating 5b

Efficient Water Heating 5c

Efficient Water Heating 5d

Renewable Electric Energy

3a 3b

3c

3d

4

5a

5b

5c

5d

6

^{*}Please refer to Table R406.2 for complete option descriptions