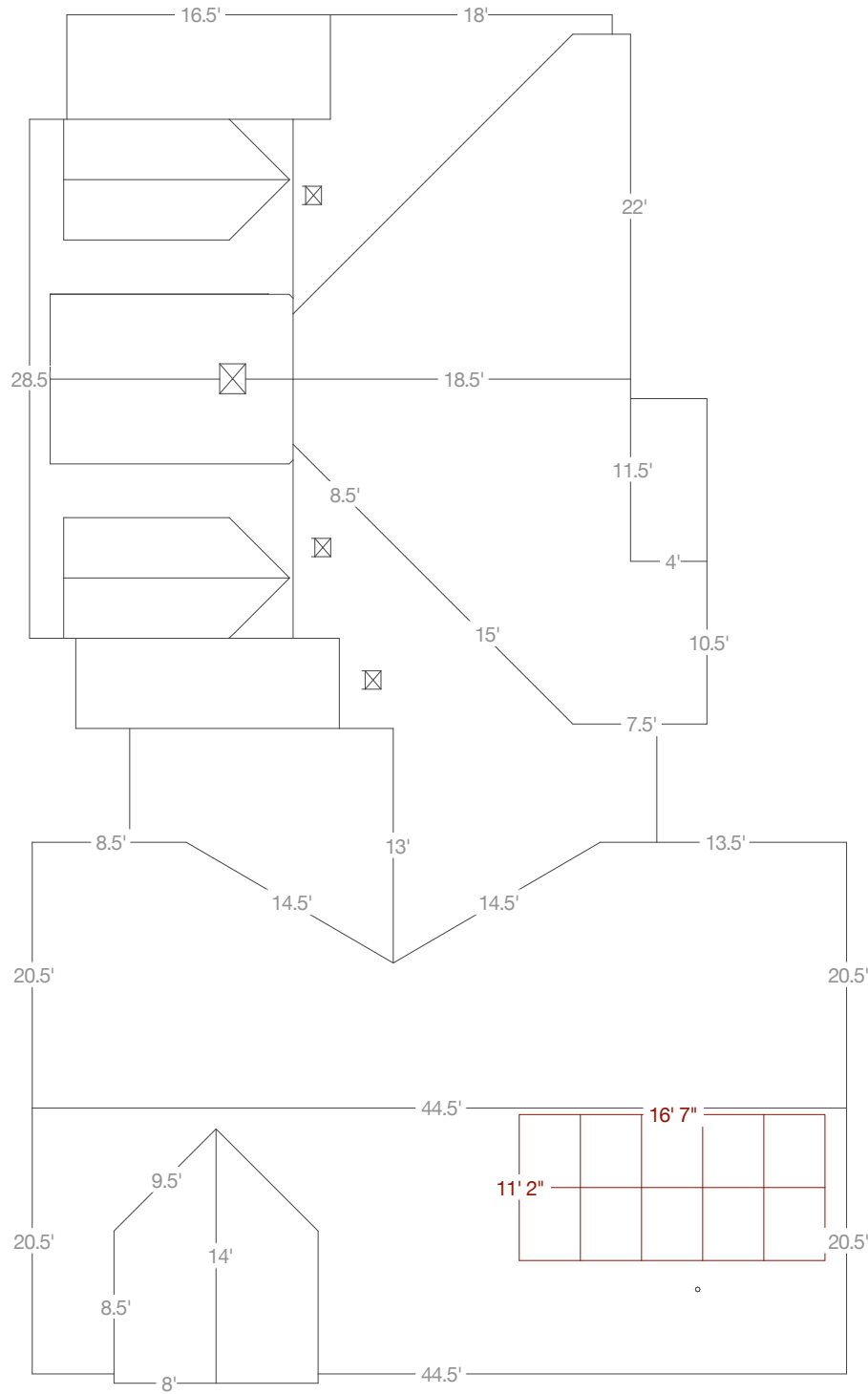


Roof Mount

2.2 PEAK KW DC

1.8 KW CEC-AC

10 REC 215 AE-US modules



10 modules at **45°** tilt
South azimuth: **162°**
1320 kWh/kW/yr yield
(97% of Array 3)

1

GARY REYSA RESIDENCE

XXXXX Lane
Bozeman, MT 59715

PRELIMINARY DESIGN
By BrightHarvestSolar.com

Sheet size: 8.5" x 11"
Scale: 1" = 10'

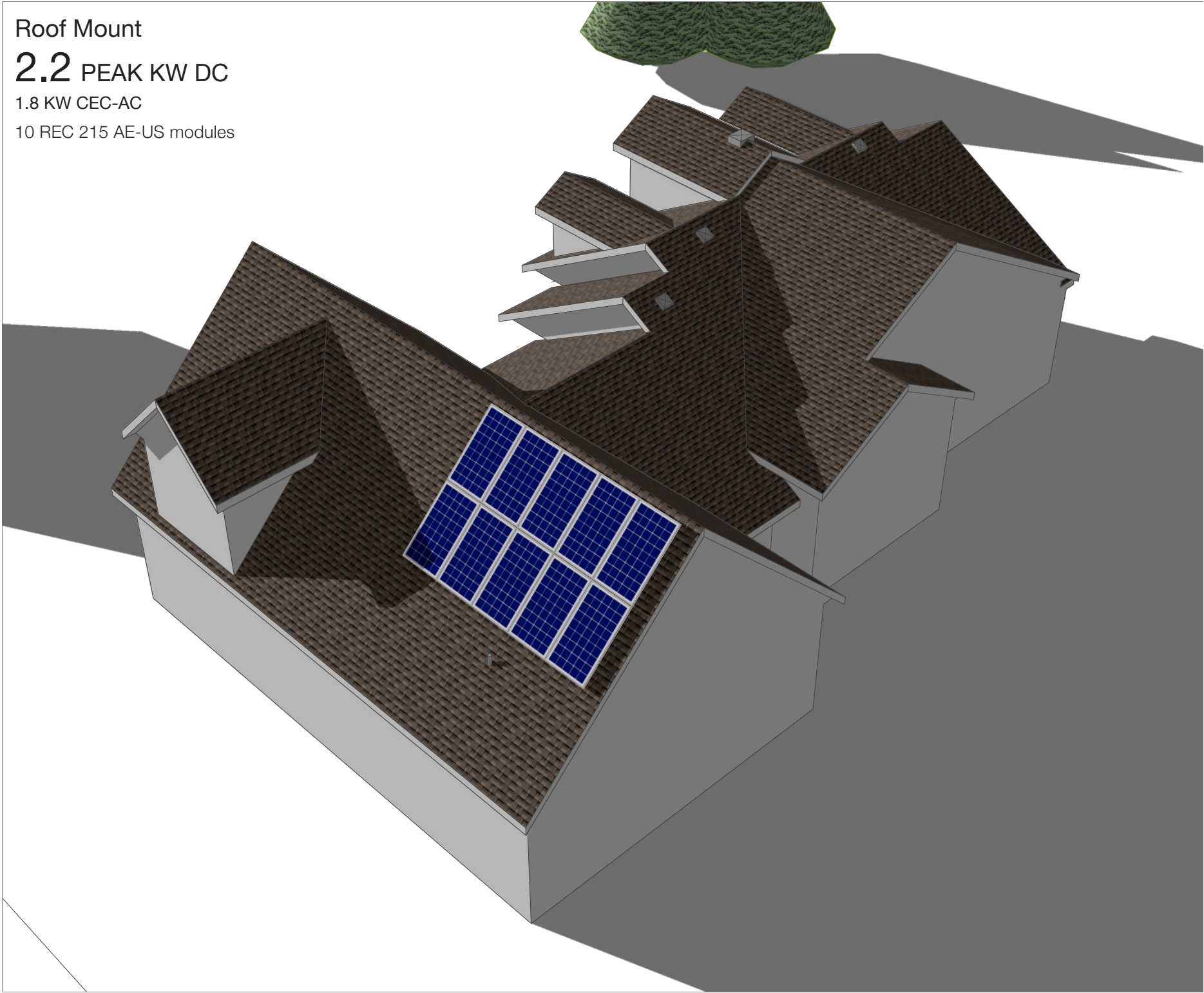


Roof Mount

2.2 PEAK KW DC

1.8 KW CEC-AC

10 REC 215 AE-US modules



PRELIMINARY DESIGN
By BrightHarvestSolar.com

Sheet size: 8.5" x 11"
Scale: NTS

GARY REYSA RESIDENCE
XXXXX Lane
Bozeman, MT 59715

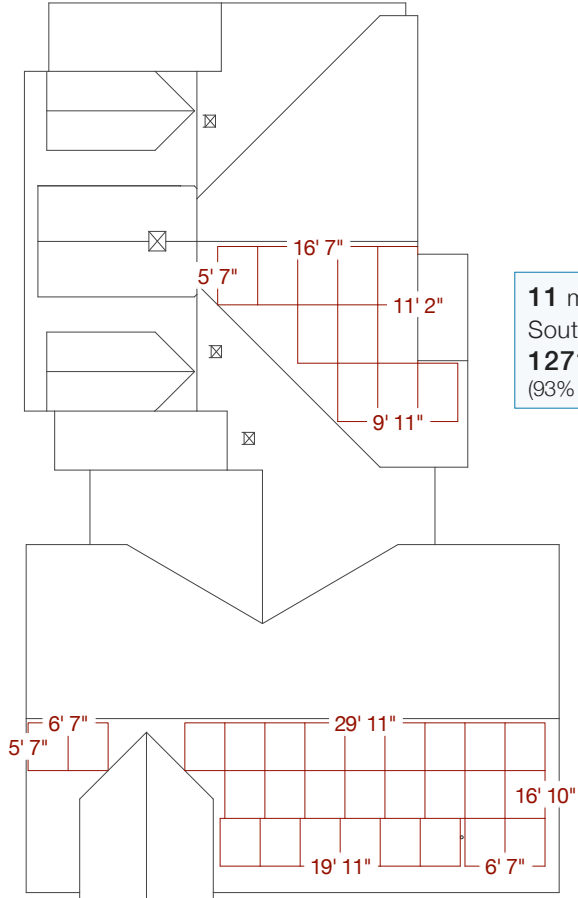
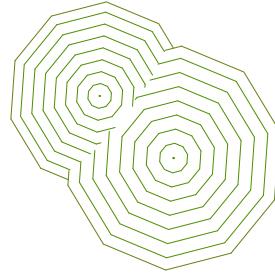
 bright harvest

All Location Options

10.3 PEAK KW DC

8.6 KW CEC-AC

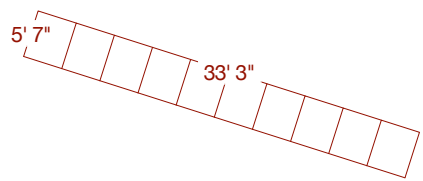
48 REC 215 AE-US modules



11 modules at **30°** tilt
South azimuth: **162°**
1271 kWh/kW/yr yield
(93% of Array 3) **2**

27 modules at **45°** tilt
South azimuth: **162°**
1251 kWh/kW/yr yield
(92% of Array 3) **1**

10 modules at **45°** tilt
South azimuth: **180°**
1364 kWh/kW/yr yield
(Highest yield) **3**

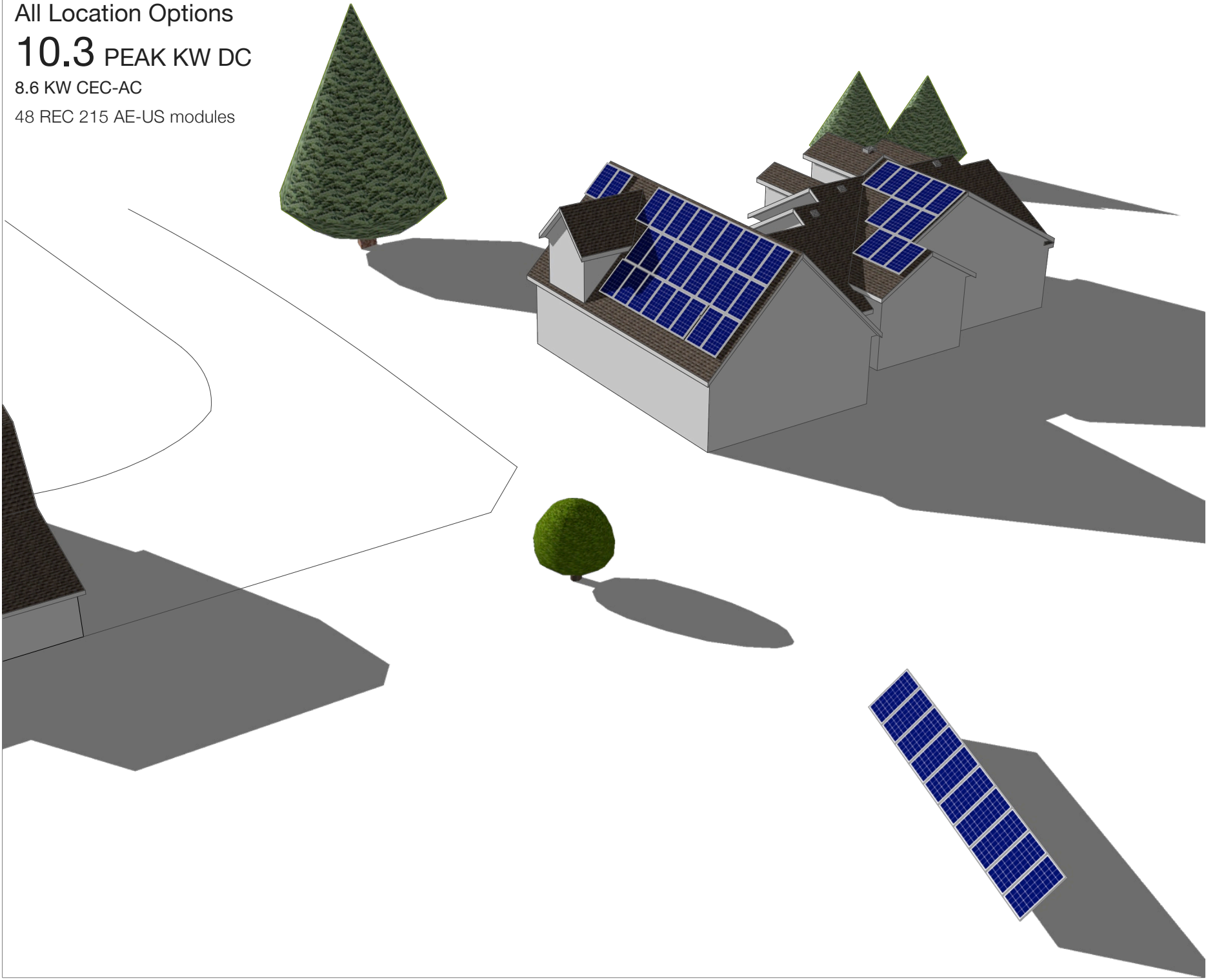


All Location Options

10.3 PEAK KW DC

8.6 KW CEC-AC

48 REC 215 AE-US modules



PRELIMINARY DESIGN
By BrightHarvestSolar.com

Sheet size: 8.5" x 11"

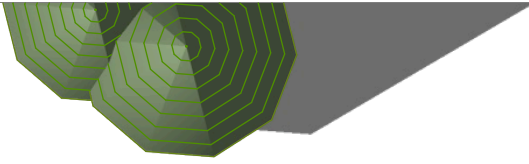
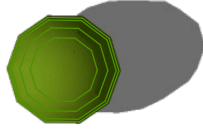
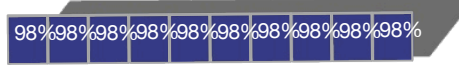
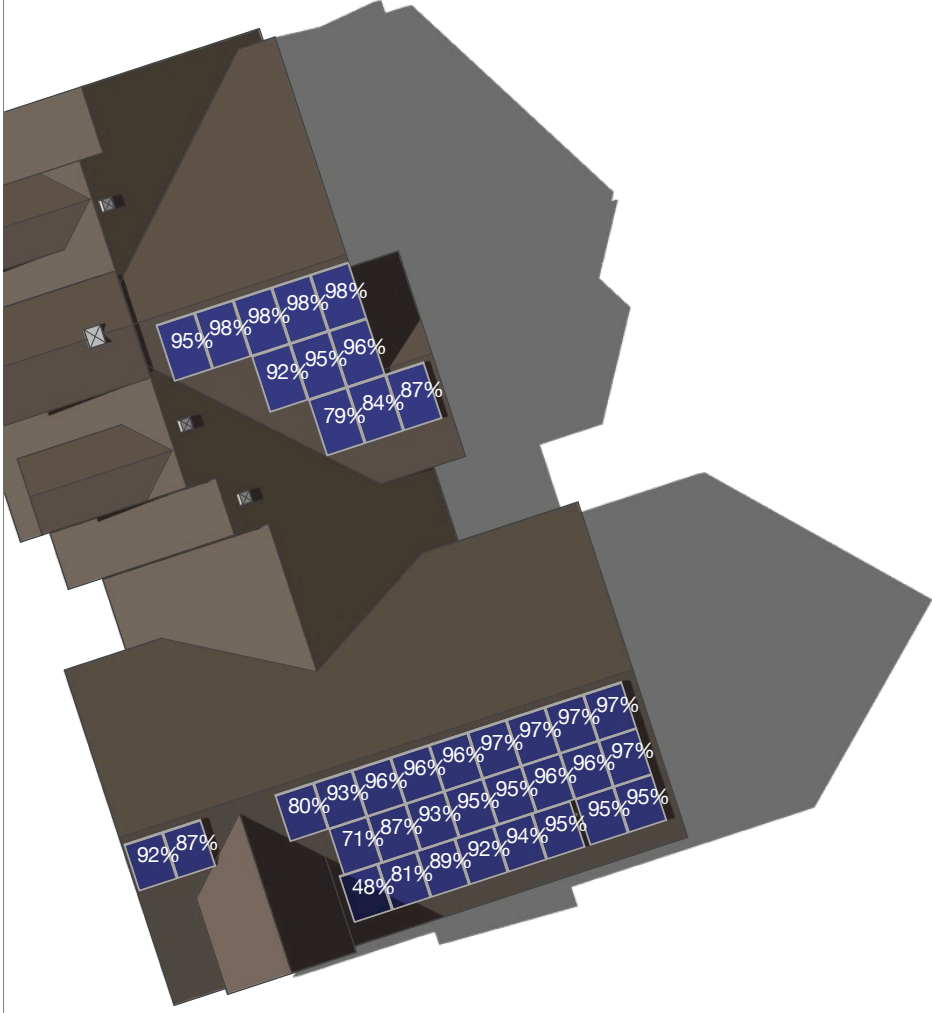
Scale: NTS

GARY REYSA RESIDENCE

XXXXX Lane

Bozeman, MT 59715

SHADING ANALYSIS



GARY REYSA RESIDENCE
 ### XXXXX Lane
 Bozeman, MT 59715

PRELIMINARY DESIGN
 By BrightHarvestSolar.com
 Sheet size: 8.5" x 11"
 Scale: NTS



SHADING ANALYSIS

ARRAY	1	2	3	AVE
January	94	78	94	90 %
February	87	91	94	89 %
March	88	94	98	91 %
April	91	97	99	94 %
May	92	98	99	95 %
June	91	98	98	94 %
July	91	98	98	94 %
August	91	98	99	94 %
September	90	95	97	93 %
October	90	95	99	93 %
November	92	79	97	90 %
December	93	57	93	85 %
Summer	91	97	99	94 %
Winter	91	85	96	91 %
Annual	91	93	98	93 %

PRODUCTION ESTIMATES - Roof Mount

ARRAY	1	2	3	TOTAL
Yield (unshaded)	1,375			1,375 kWh/kW/yr
Shading derate	96			96 %
Yield (shaded)	1,320			1,320 kWh/kW/yr
Module count	10			10
System size	2.1			2.1 kW STC
Annual energy	2,772			2,772 kWh +/-10%
Monthly energy	231			231 kWh +/-10%

PRODUCTION ESTIMATES - All Location Options

ARRAY	1	2	3	TOTAL
Yield (unshaded)	1,375	1,367	1,392	1,377 kWh/kW/yr
Shading derate	91	93	98	93 %
Yield (shaded)	1,251	1,271	1,364	1,279 kWh/kW/yr
Module count	27	11	10	48
System size	5.7	2.3	2.1	10.08 kW STC
Annual energy	7,095	2,937	2,865	12,896 kWh +/-10%
Monthly energy	591	245	239	1,075 kWh +/-10%