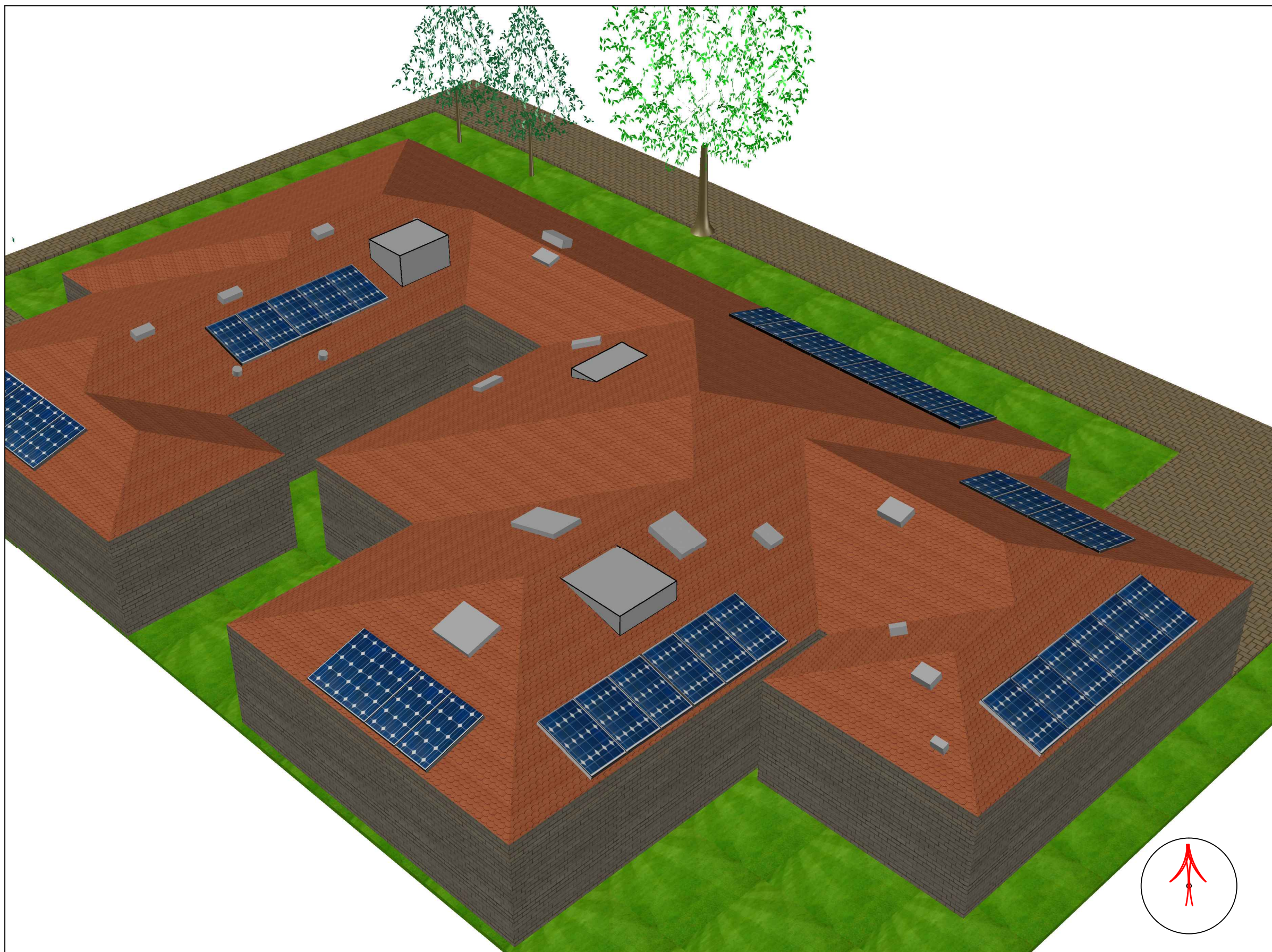




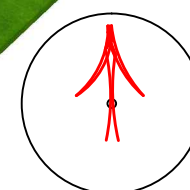
23.5 kW DC SYSTEM

PROJECT INFO

Customer : -
Address : -
City : -
State : -
Zip Code : -
Phone : -
Latitude : -
Longitude : -

ISOMETRIC VIEW

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC

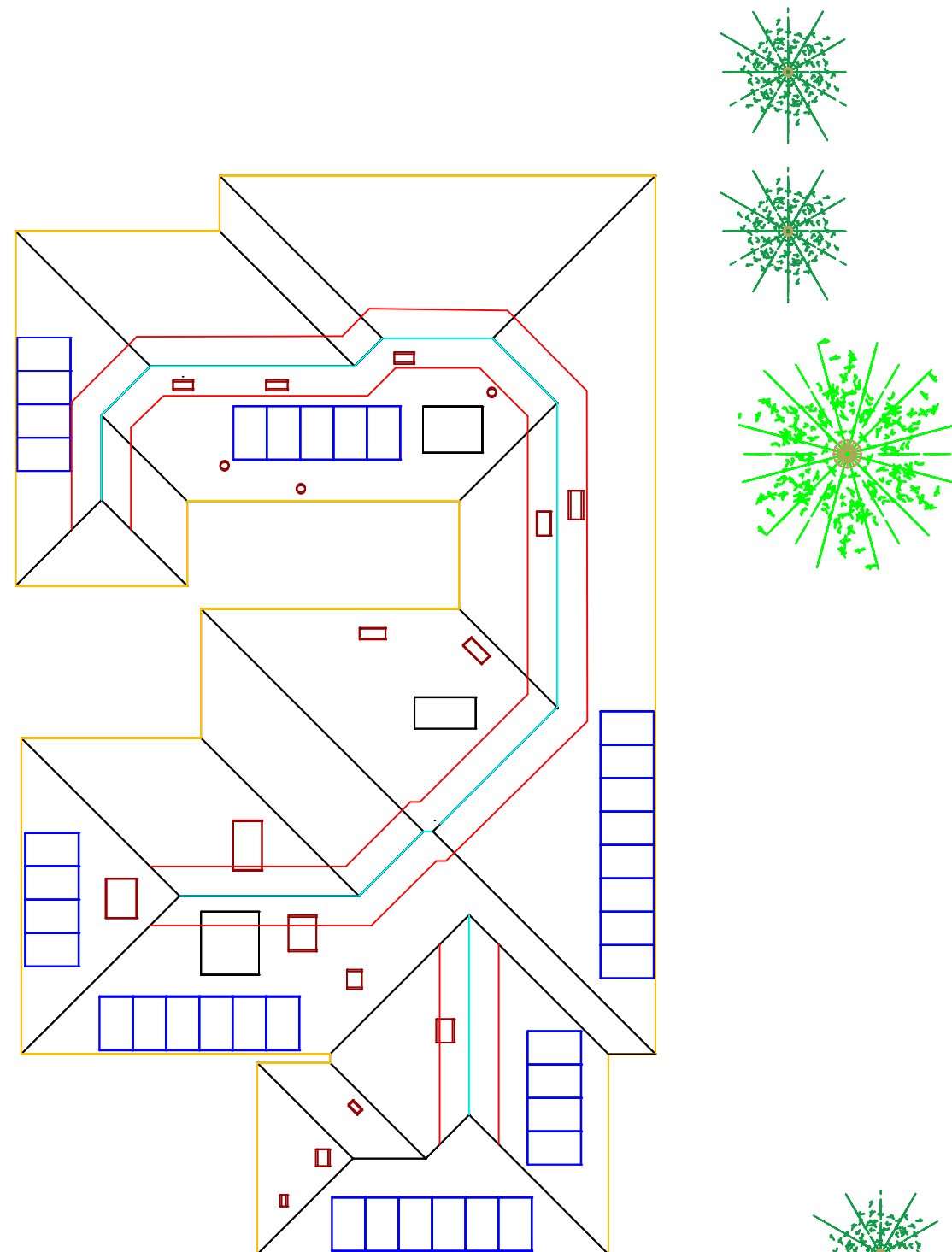




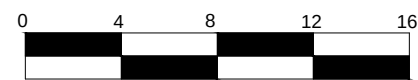
23.5 kW DC SYSTEM

PV EQUIPMENT

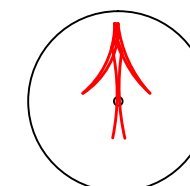
PART	MODEL	QUANTITY
MODULE	HANWHA Q-CELL	37
INVERTER		1



- FIRE SET BACKS
- RIDGE
- EAVE
- OBSTRUCTION
- PANEL



SCALE: 1/16" = 1'0"



SITE PLAN

PRN: DSS.01PC.AMBASDOR DAVID

Date: 13-01-2016

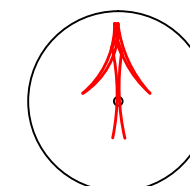
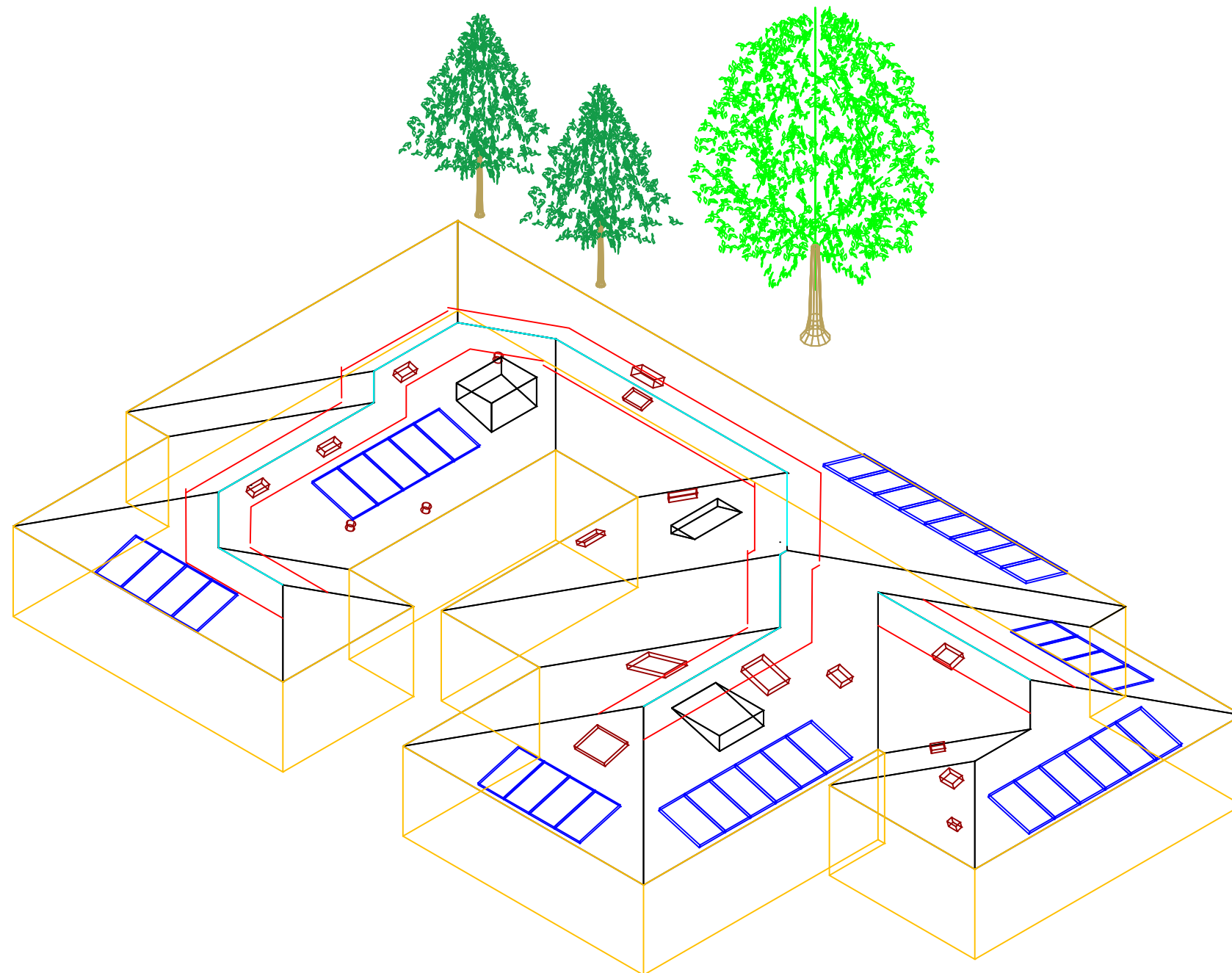
Designer: PC



23.5 kW DC SYSTEM

PV EQUIPMENT

PART	MODEL	QUANTITY
MODULE	HANWHA Q-CELL	37
INVERTER		1

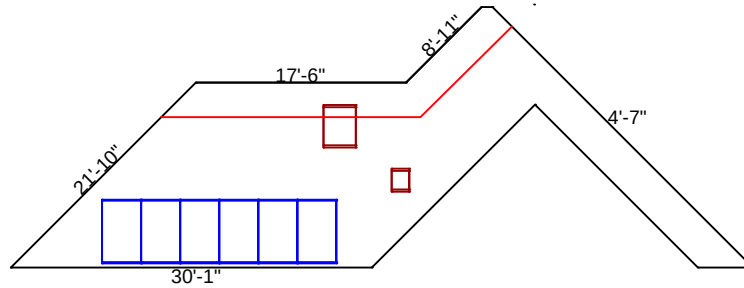
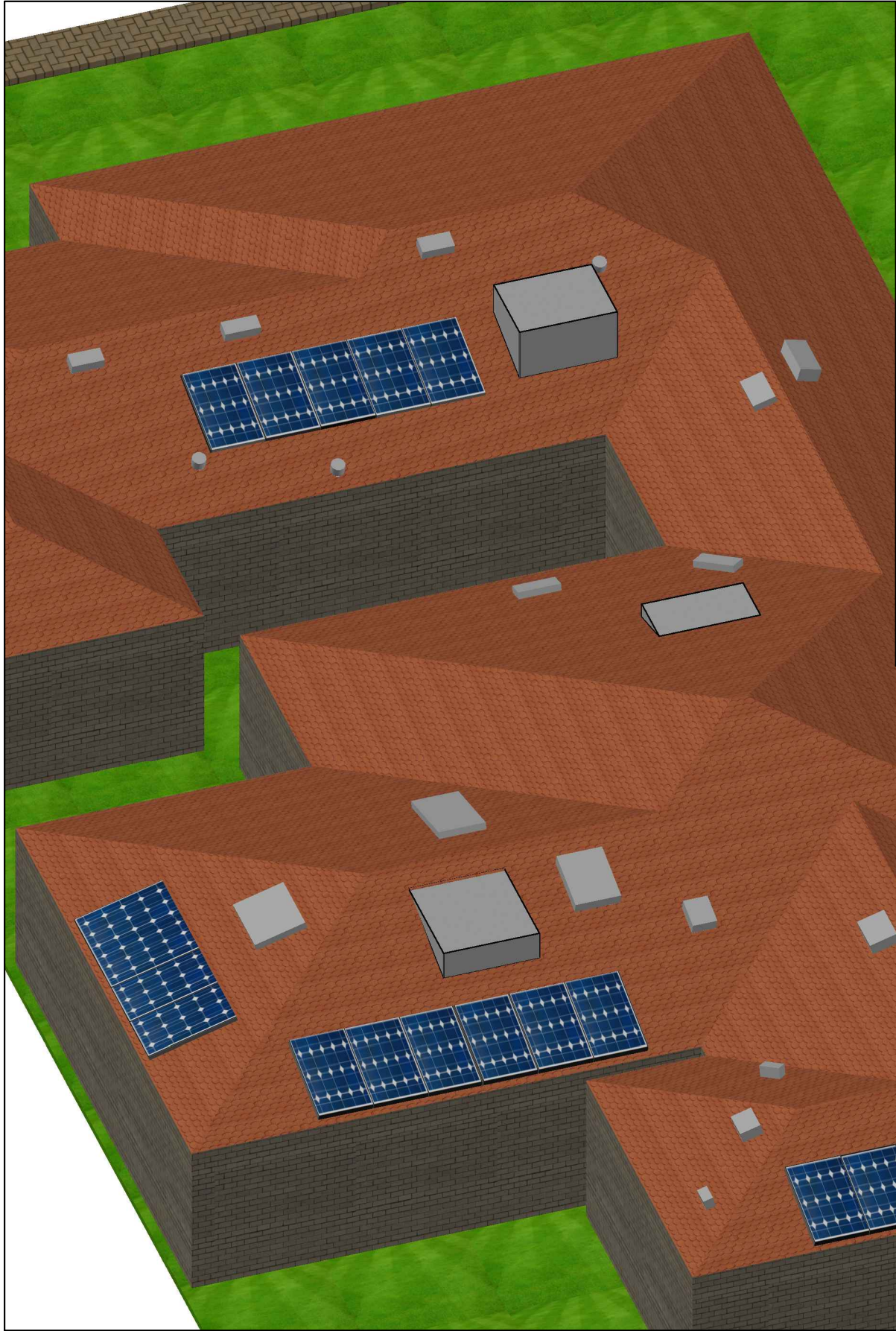


SITE PLAN

PRN:DSS.01PC.AMBASDOR DAVID

Date: 13-01-2016

Designer: PC



0 2 4 6 8
SCALE:1/8"=1'0"



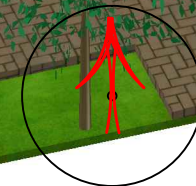
23.5 kW DC SYSTEM

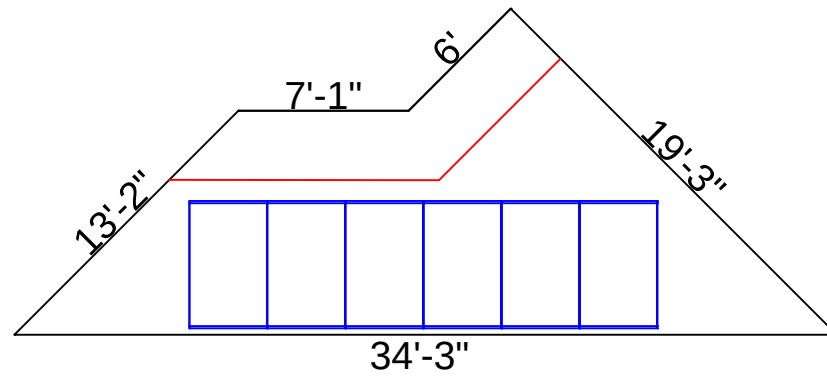
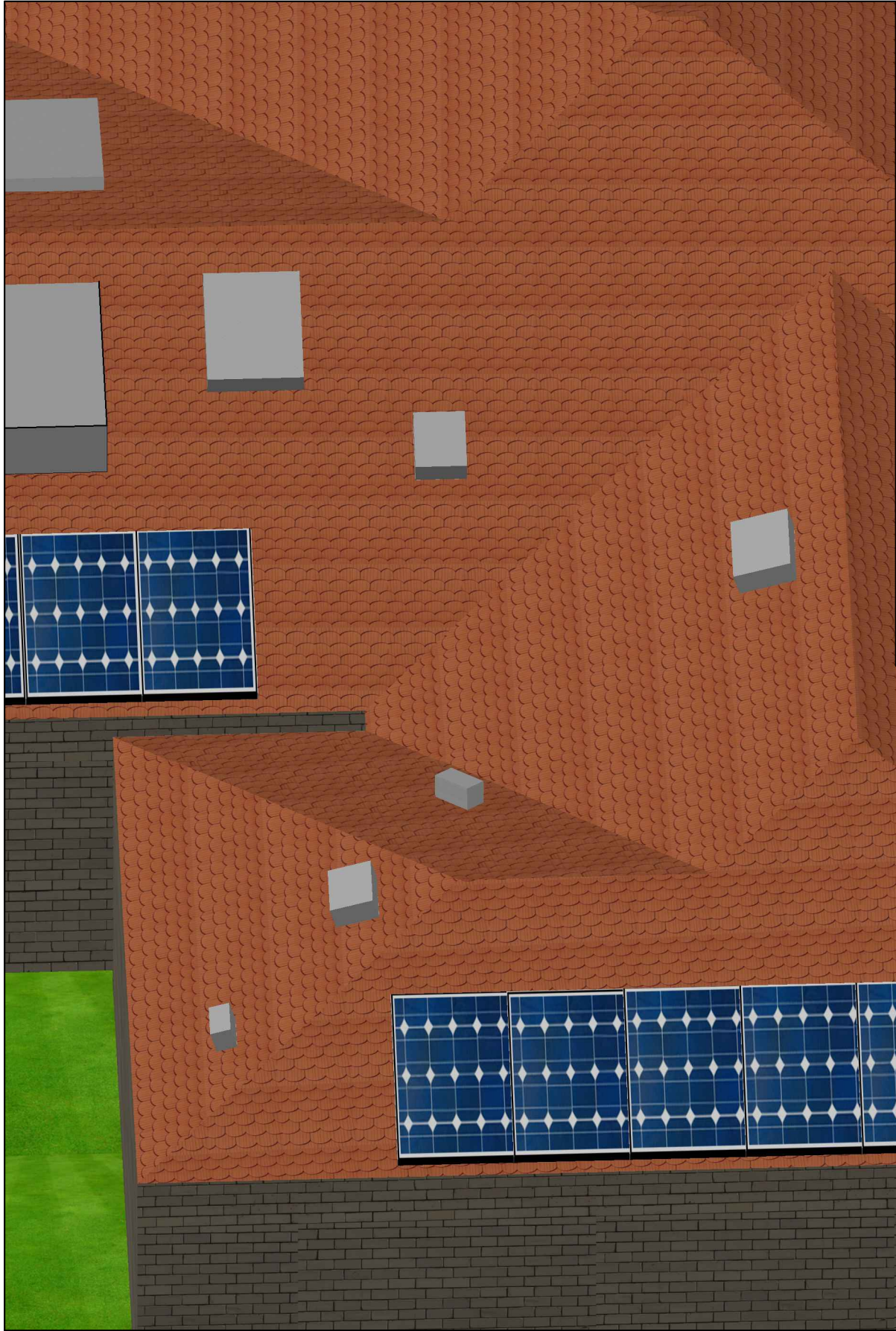
Number of panels : 6
Pitch : 16°
Azimuth : 171.73°
Area : 257sq.ft
Average Solar Access(%): 100%
Average Solar Access(%): 99%
(Across Modules)

SYSTEM NOTES:

PANEL LAYOUT-1

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC





0 2 4 6 8
SCALE:1/8"=1'0"



23.5 kW DC SYSTEM

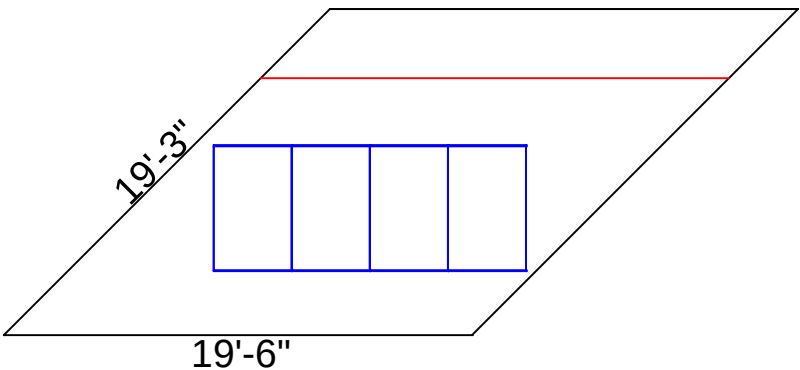
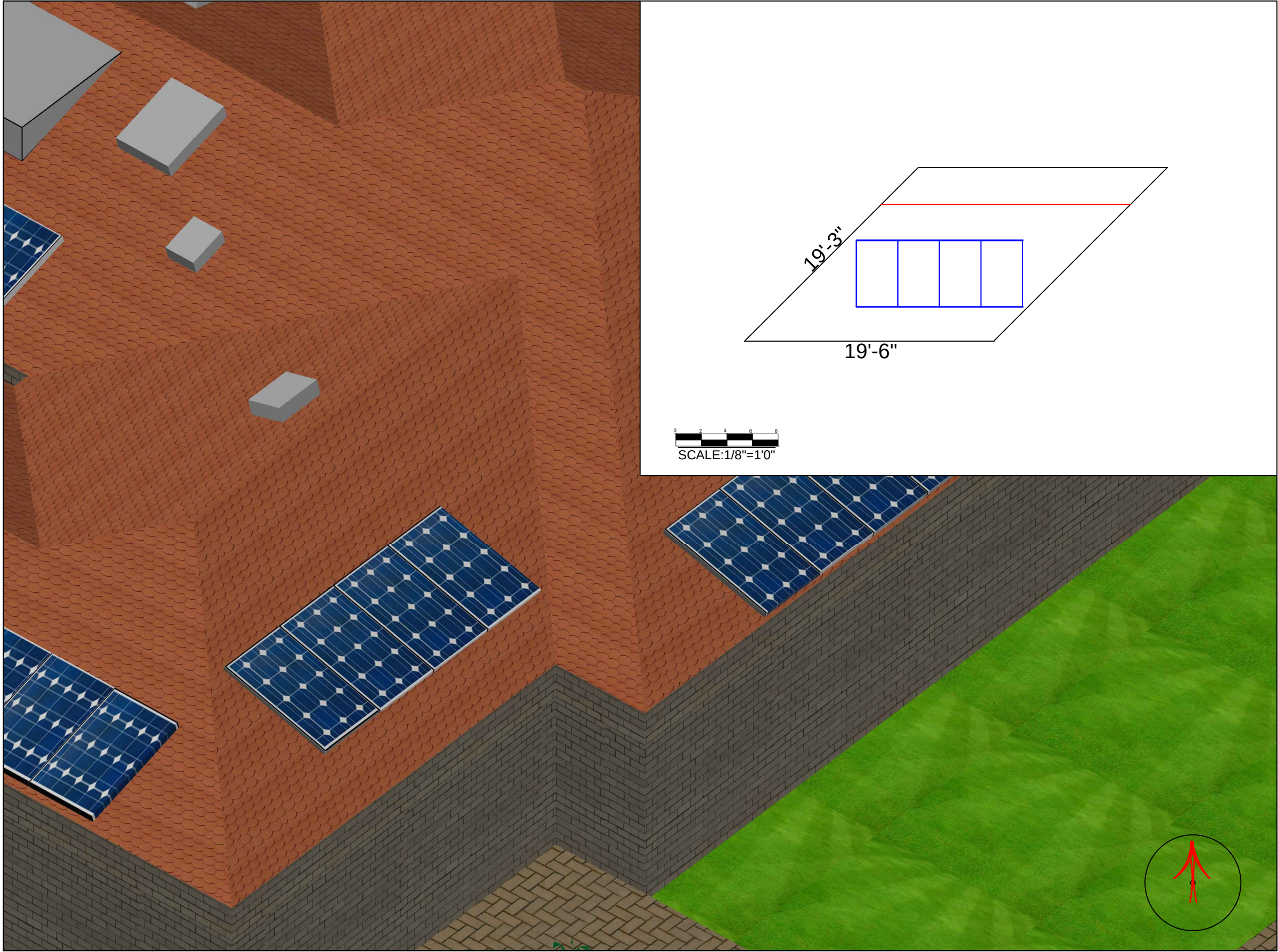
Number of panels : 6
Pitch : 16°
Azimuth : 171.73°
Area : 260.71sq.ft
Average Solar Access(%): 98%
Average Solar Access(%): 87%
(Across Modules)

SYSTEM NOTES:

PANEL LAYOUT-2

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC





0 2 4 6 8
SCALE: 1/8"=1'0"



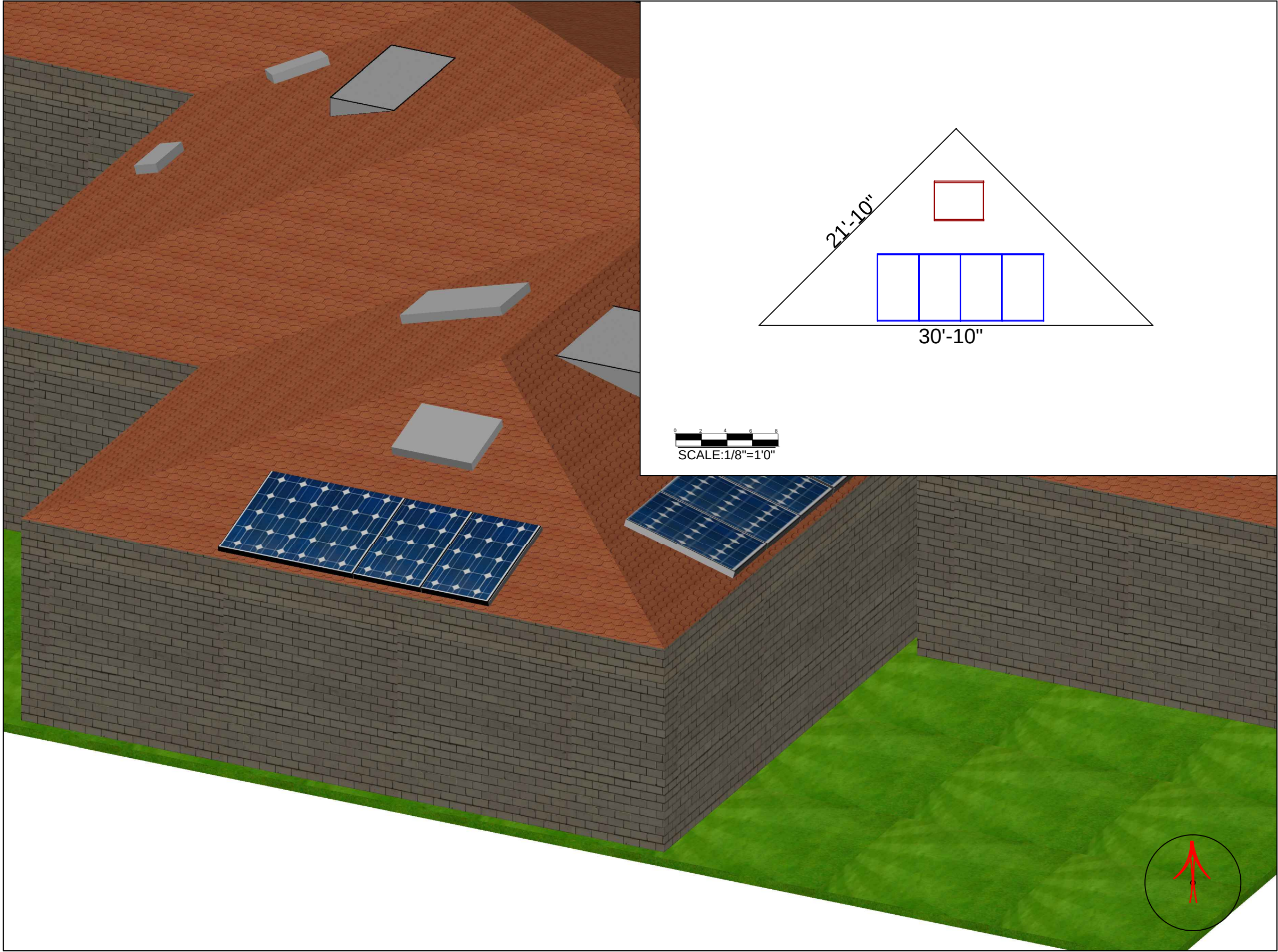
23.5kW DC SYSTEM

Number of panels : 4
Pitch : 16°
Azimuth : 81.73°
Area : 1500sq.ft
Average Solar Access(%): 95%
Average Solar Access(%): 91%
(Across Modules)

SYSTEM NOTES:

PANEL LAYOUT-3

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC



23.5 kW DC SYSTEM

Number of panels	: 4
Pitch	: 16°
Azimuth	: 261°
Area	: 1500sq.ft
Average Solar Access(%)	: 95%
Average Solar Access(%)	: 97%
(Across Modules)	

SYSTEM NOTES:

PANEL LAYOUT-4

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC



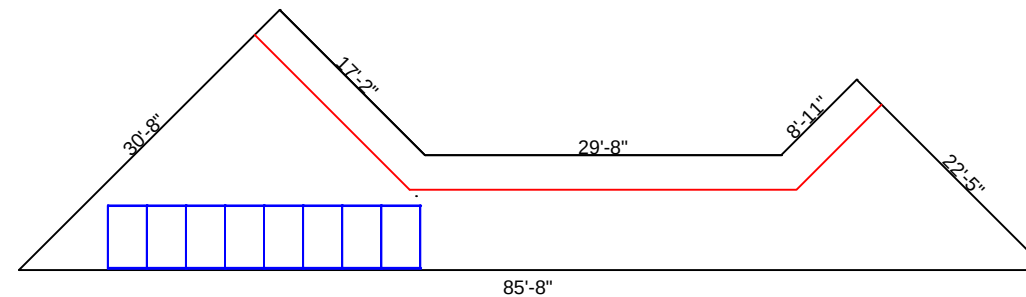
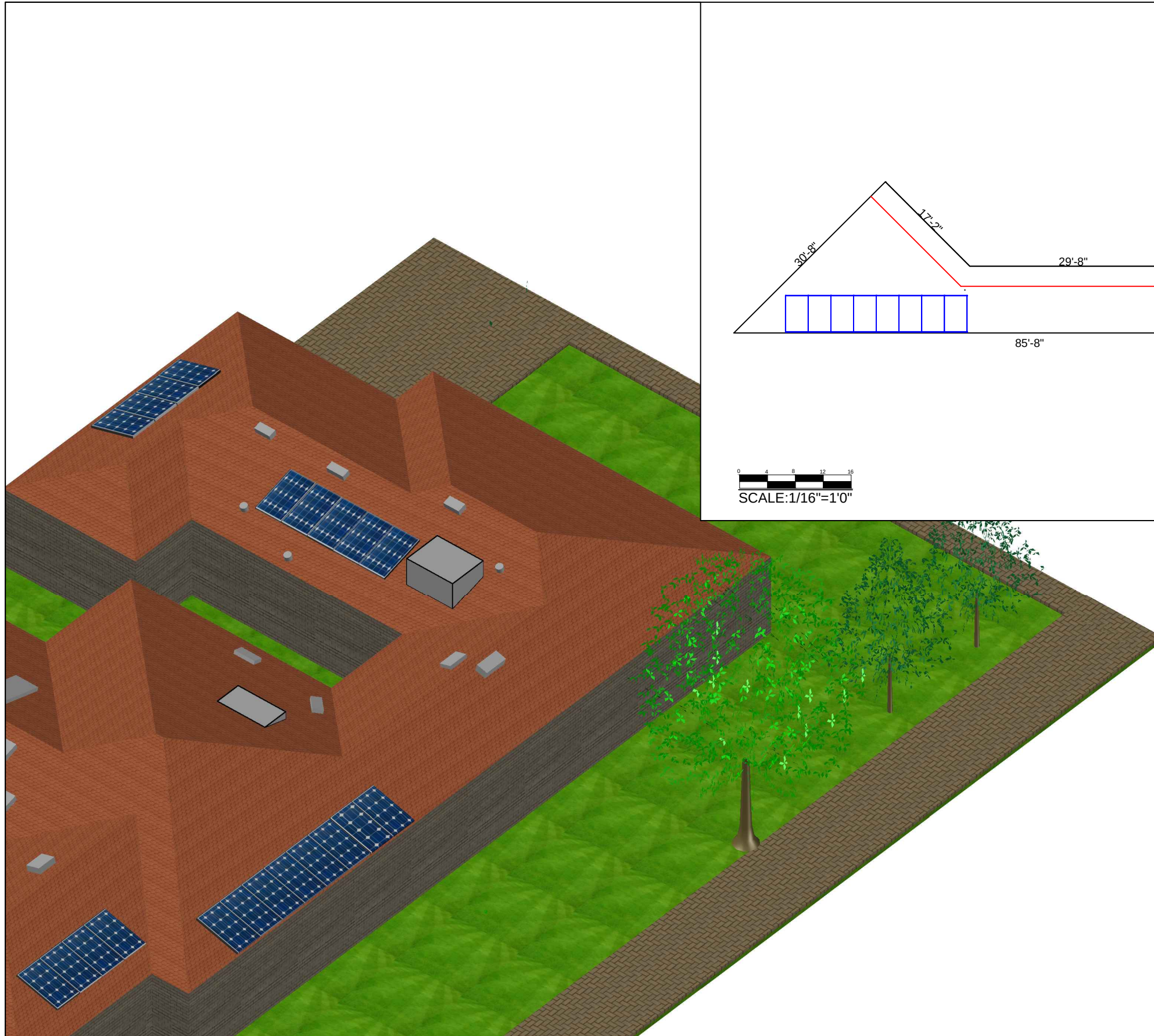
23.5 kW DC SYSTEM

Number of panels : 8
Pitch : 16°
Azimuth : 81.73°
Area : 1500sq.ft
Average Solar Access(%): 100%
Average Solar Access(%): 100%
(Across Modules)

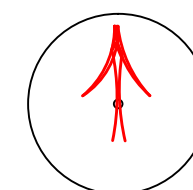
SYSTEM NOTES:

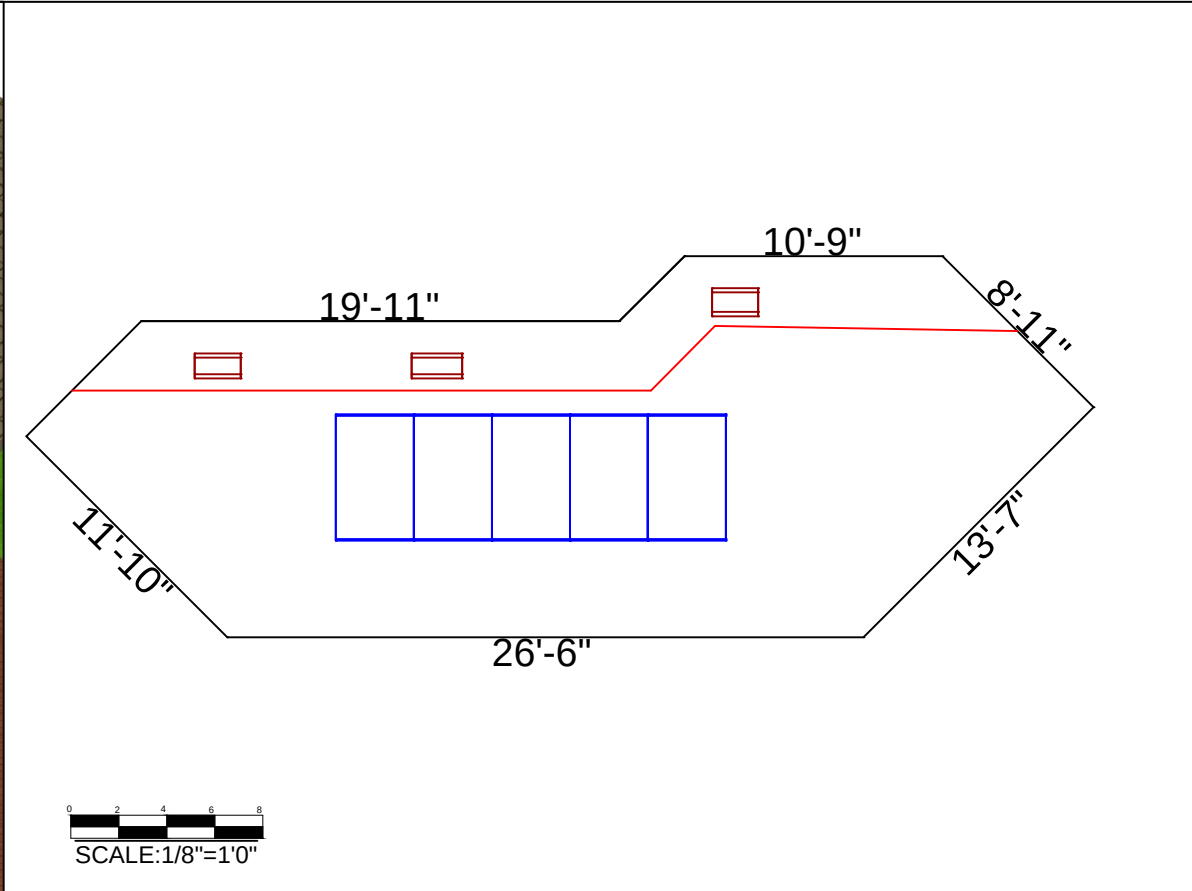
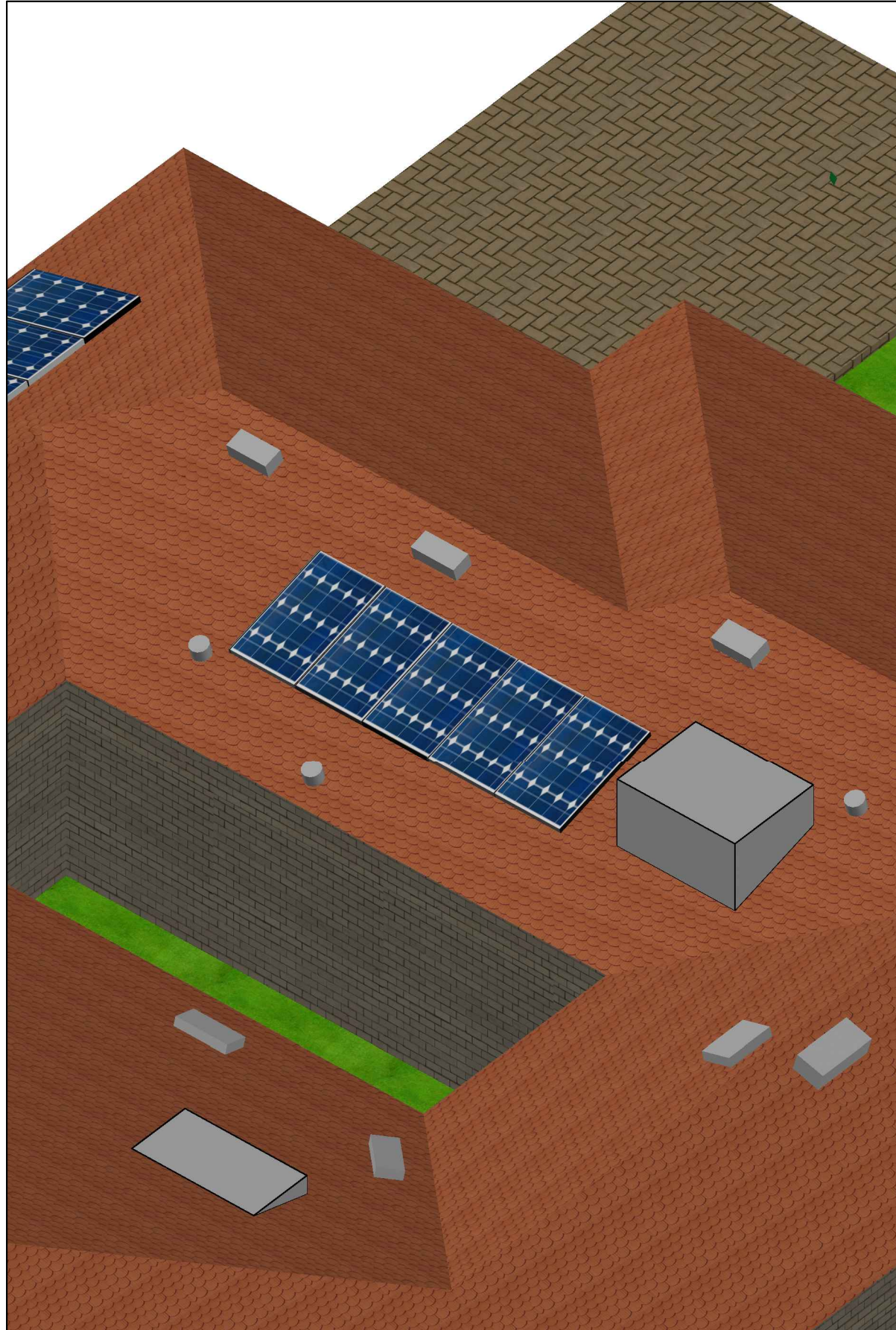
PANEL LAYOUT-5

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC



0 4 8 12 16
SCALE:1/16"=1'0"





23.5 kW DC SYSTEM

Number of panels : 5
Pitch : 16°
Azimuth : 171°
Area : 1500sq.ft
Average Solar Access(%): 100%
Average Solar Access(%): 99%
(Across Modules)

SYSTEM NOTES:

PANEL LAYOUT-6

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC





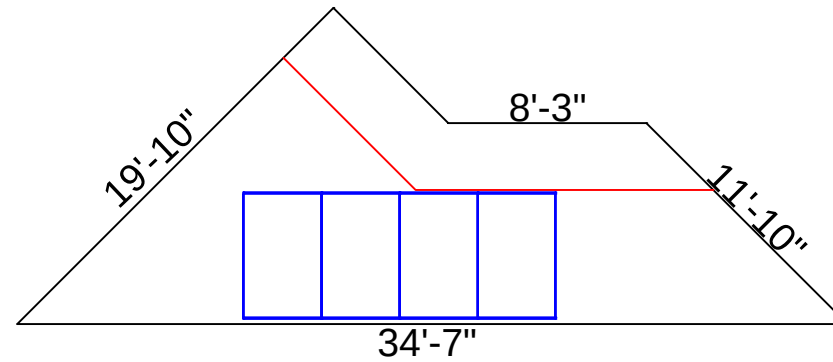
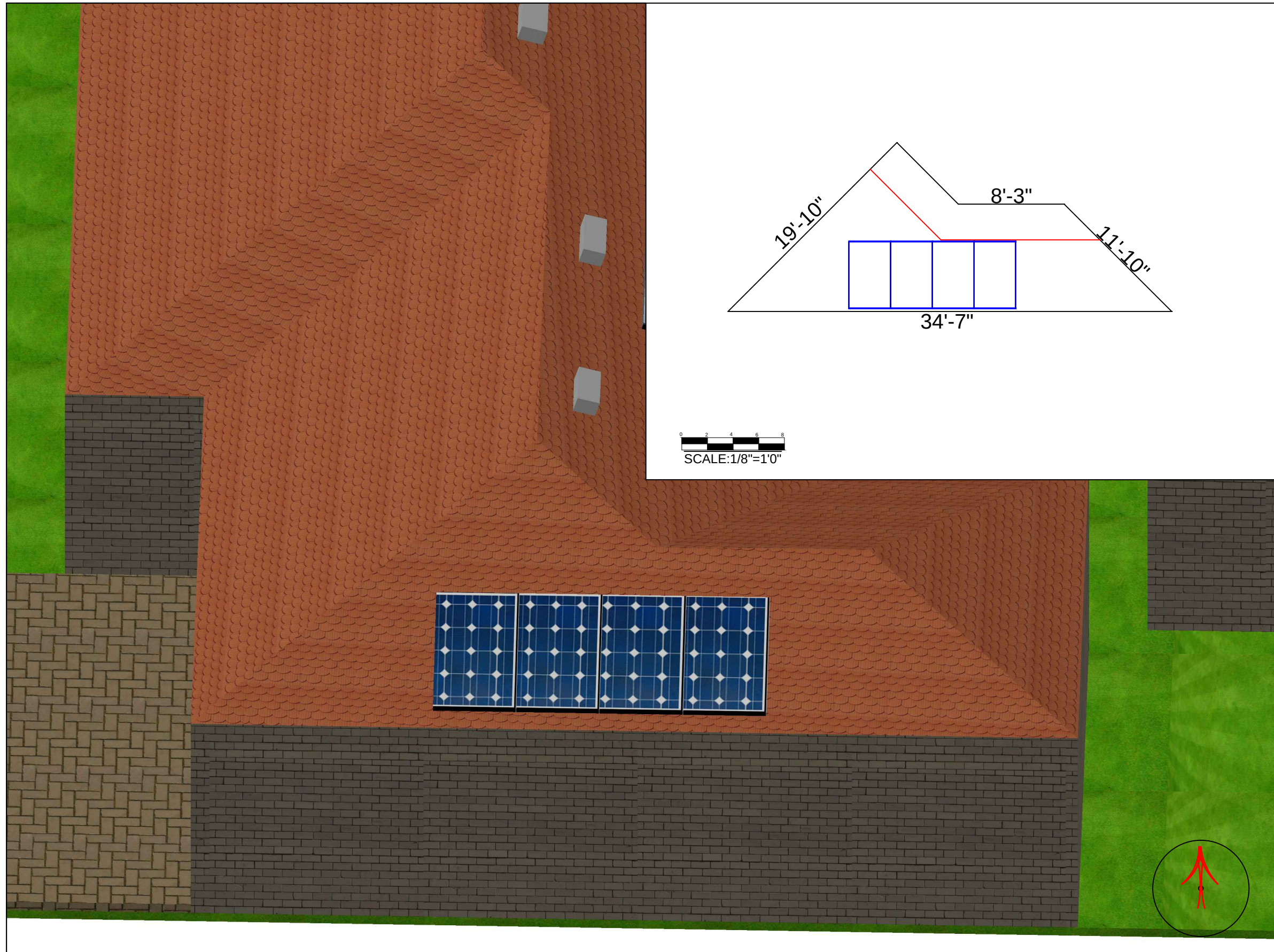
23.5 kW DC SYSTEM

Number of panels : 4
Pitch : 16°
Azimuth : 261°
Area : 1500sq.ft
Average Solar Access(%): 100%
Average Solar Access(%): 99%
(Across Modules)

SYSTEM NOTES:

PANEL LAYOUT-7

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC



0 2 4 6 8
SCALE:1/8"=1'0"

SYSTEM LOSSES		ENERGY GENERATION								
Parameters	Value	Roof Face								Generation Per Month
		Month	MP 1	MP 2	MP 3	MP 4	MP 5	MP 6	MP 7	
Soiling	3.76%	Jan	101	101	50	56	101	84	56	549
Shading	0.20%	Feb	137	137	71	78	141	115	78	757
Snow	1.25%	Mar	204	204	116	120	232	171	120	1167
		Apr	242	242	147	150	295	202	150	1428
Name Plate Rating	0.60%	May	270	270	174	176	349	226	176	1641
Mismatch	2.00%	Jun	268	268	178	178	356	224	178	1650
		Jul	275	275	180	180	361	230	180	1681
Wiring	2.00%	Aug	259	259	160	165	321	217	165	1546
Connections	0.50%	Sep	219	219	127	130	253	184	130	1262
		Oct	191	191	99	106	197	159	106	1049
Light Induced Degradation	1.50%	Nov	133	133	63	71	126	112	71	709
Availability	3.00%	Dec	92	92	44	51	88	77	51	495
Total Estimated Loss	13.92%	Annual Energy	2391	2391	1409	1461	2820	2001	1461	13934



23.5

kW DC SYSTEM

SYSTEM NOTES:

ENERGY GENERATION

PRN:DSS.01PC.AMBASDOR DAVID
Date: 13-01-2016
Designer: PC