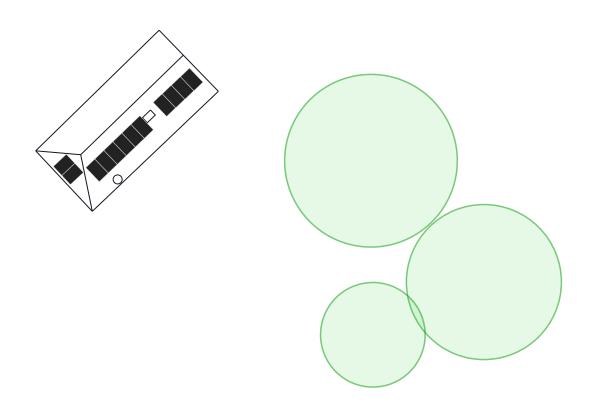
# **SOLAR RESIDENCE**

3.12 KWp

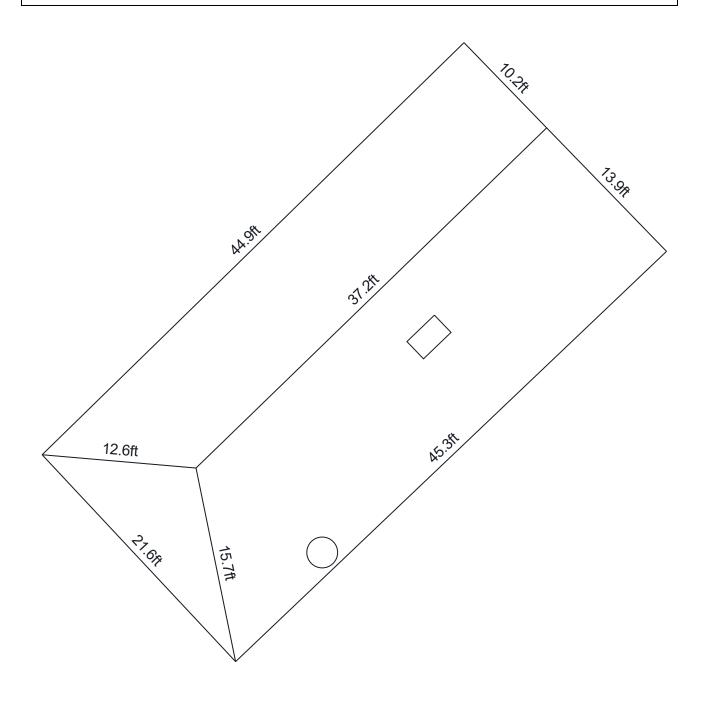
# **SOLAR FEASIBILITY STUDY**

PREPARED BY: CUSTOMER NAME May 19th, 2016



# YOUR SOLAR INSTALLER

PROPOSED SYSTEM SIZE: 3.12 KWp PROJECT NAME: SOLAR RESIDENCE

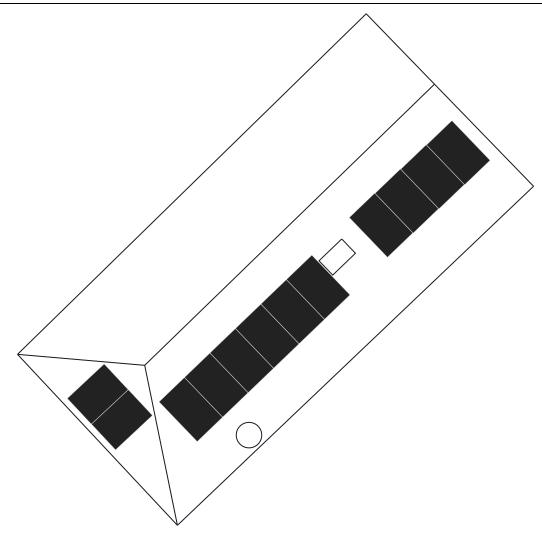


### **STRUCTURE MEASUREMENTS**



## YOUR SOLAR INSTALLER

PROPOSED SYSTEM SIZE: 3.12 KWp PROJECT NAME: SOLAR RESIDENCE



### PROJECT PLAN



#### PROJECT INFORMATION

NAME: JOE SOLAR

ADDRESS:1435 E 92ND ST, BROOKLYN,

NY

**COMPANY: CONTRACTOR NAME** 

**PHONE #**: 999-999-9999

#### **SYSTEM INFORMATION**

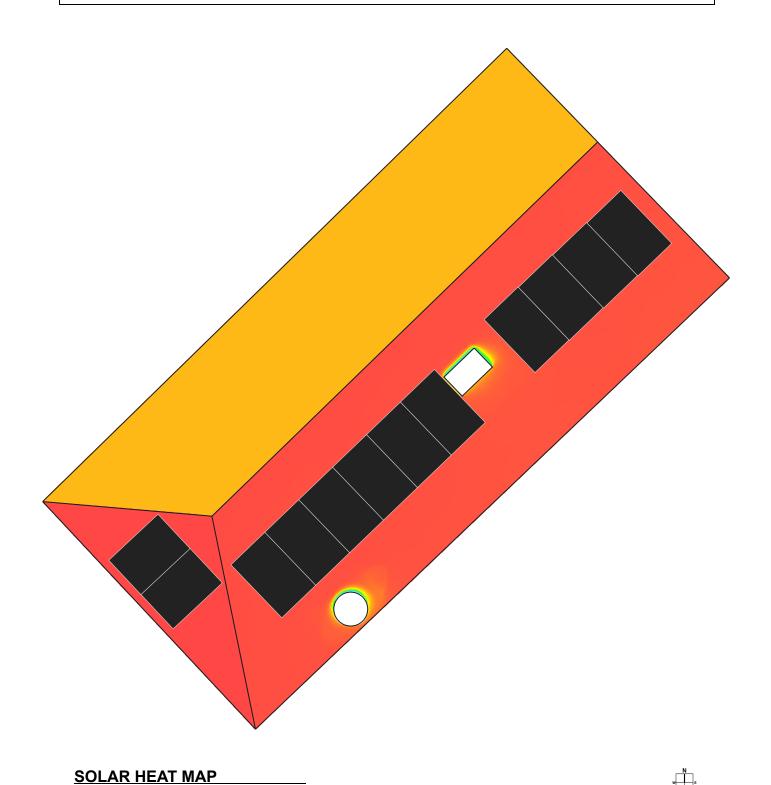
PROJECT TYPE: RESIDENTIAL APPLICATION TYPE: ROOFTOP

ARRAY TILT: 23
ORIENTATION(S):180

MODULE TYPE: JINKO 260P MODULE POWER: 260 WATTS MODULE QUANTITY: 12

# YOUR SOLAR INSTALLER

PROPOSED SYSTEM SIZE: 3.12 KWp PROJECT NAME: SOLAR RESIDENCE



General													
Area (square ft)		566											
Pitch (%)		20											
Azimuth (%)		136											
Modules		10											
Averaged Across Roof Face (Beta)													
Annual Irradiance (kWh/m^2/year)	:	1509											
Solar Access (%)		97											
Tilt Orientation Factor (%)		94											
Total Solar Resource Fraction (%)		91											
Monthly Values	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Irradiance (kWh/m^2/month)		62	85	122	140	171	173	176	189	134	126	74	60
Solar Access (%)		95	94	96	98	98	98	98	99	98	95	95	94
Averaged Across Modules (Beta)													
Annual Irradiance (kWh/m^2/year)	:	1513											
Solar Access (%)		97											
Tilt Orientation Factor (%)		94											
Total Solar Resource Fraction (%)		91											
						Lum	Jul	Aug	Sep	Oct	Nov	Dec	
Monthly Values	Jan	Feb	Mar	Apr	May	Jun	Jui	Aug	sep	OCI	INOV	Dec	
Monthly Values Irradiance (kWh/m^2/month)	Jan	Feb 62	Mar 86	Apr 122	140	171	174	176	190	135	126	74	60

General														
Area (squ	iare ft)		99											
Pitch (%)			31											
Azimuth (	(%)		227											
Modules			2											
Averaged	Across Roof Face (Beta)													
Annual Irr	radiance (kWh/m^2/year)		1558											
Solar Acce	ess (%)		100											
Tilt Orien	tation Factor (%)		94											
Total Sola	ar Resource Fraction (%)		94											
Monthly \	Values	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Irradiance	e (kWh/m^2/month)		69	93	131	140	166	176	175	191	137	139	76	67
Solar Acce	ess (%)		100	100	100	100	100	100	100	100	100	100	100	100
Averaged	Across Modules (Beta)													
Annual Irr	radiance (kWh/m^2/year)		1558											
Solar Acce	ess (%)		100											
Tilt Orien	tation Factor (%)		94											
Total Sola	ar Resource Fraction (%)		94											
Manthly	Values	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
ivionthly														
	e (kWh/m^2/month)		69	93	131	140	166	176	175	191	137	139	76	67

Genera	al													
Area (s	square ft)		415											
Pitch (	(%)		28											
Azimu	ıth (%)		316											
Modul	les		11											
Avera	ged Across Roof Face (Beta)													
Annua	al Irradiance (kWh/m^2/year)		1130											
Solar A	Access (%)		100											
Tilt Or	rientation Factor (%)		68											
Total S	Solar Resource Fraction (%)		68											
Month	hly Values	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Irradia	ance (kWh/m^2/month)		31	46	87	109	149	162	159	152	96	74	38	26
Solar A	Access (%)		100	100	100	100	100	100	100	100	100	100	100	100
Averag	ged Across Modules (Beta)													
Annua	al Irradiance (kWh/m^2/year)		1130											
Solar A	Access (%)		100											
Tilt Or	rientation Factor (%)		68											
Total S	Solar Resource Fraction (%)		68											
Month	hly Values	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
								462	450	450	0.0		20	20
Irradia	ance (kWh/m^2/month)		31	46	87	109	149	162	159	152	96	74	38	26