

SYSTEM SPECS	8.8kWDC, 6.4kWAC	IMPORTANT PROJECT NOTES	REVIEW CONDUIT RUN W. HOMEOWNER PRIOT TO INSTALL
	(20) Silfab SIL-440 QD 440 Watt solar panels.		
	(20) ENPHASE IQ8MC Inverter/s		

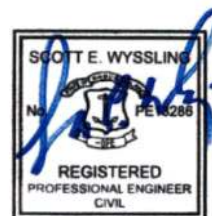
CRITTER GUARDS	YES: Use flush end clamps
SNOW GUARDS	YES: See site plan for location

Vicinity Map:



FULL PROJECT SCOPE	
Rooftop Solar PV Installation	
APPLICABLE CODES	NEC 2020, IBC 2020
AZIMUTH (R1,R2,R3...)	R1 164; R2 254
ROOF STATUS	New Roof
PLAN SET STATUS	COMPLETE
CUSTOMER PHONE	9787642952
CUSTOMER EMAIL	georgeleblanc21@gmail.com
REVIEWED	<i>Peter Hughes</i>

Sheet List Table	
Sheet Number	Sheet Title
1	Cover Sheet
2	Site Plan
3	Racking
4	Single Line



Wyssling Consulting, PLLC
76 N Meadowbrook Drive, Alpine UT 84004
Rhode Island COA #9333
Digitally Signed 7/18/2025

Sunwatt
SOLAR
1005 MAIN STREET #2129
PAWTUCKET RI 02860

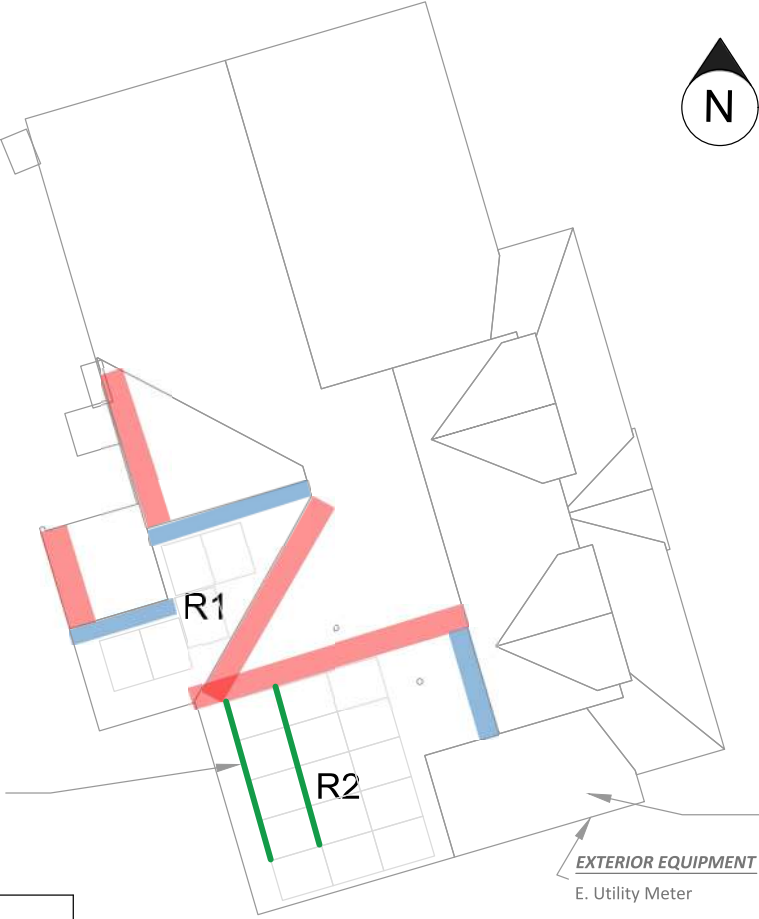
LeBLANC RESIDENCE	14 HOWE STREET BRISTOL RI 02809	ROOFTOP SOLAR PV
CUSTOMER	PROJECT ADDRESS	PRIMARY SCOPE

Drawn By:	
QC:	
DATE:	
COVER SHEET	
SHEET NUMBER	

1

SYSTEM SPECS	8.8kWDC, 6.4kWAC	IMPORTANT PROJECT NOTES	REVIEW CONDUIT RUN W. HOMEOWNER PRIOT TO INSTALL
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FIRE SAFETY SETBACK LEGEND	
18"MIN	
36"MIN	
SITE SPECIFIC DETAILS	
PV Roof Coverage %	Less than 33%
Habitable/Uninhabitable Structure	Habitable
Requirement 1	18"Min at peak and 36" Min walkway on one side of roof or straddeling a hip roof per IFC 1205.2.1.1 and 1205.2.1.2
Requirement 2	#N/A



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INTERIOR EQUIPMENT

- E. Main Service Panel
- E. Generator ATS
- N. Fused PV Disconnect
- N. Solar Combiner

EXTERIOR EQUIPMENT

- E. Utility Meter
- N. Unfused PV Disconnect

CRITTER GUARDS	YES: Use flush end clamps
SNOW GUARDS	YES: See site plan for location

STRUCTURAL AND RACKING INFO									
	ROOF COVERING	RAFTER SIZE	RAFTER SPACING	ROOF PITCH (~degrees)	SOLAR RAIL (and hardware)	FLASHING	FASTNERS/S	PROPOSED MAX ATTACH. SPACING	NOTES
R1	Shingled	2X8	16"	34	Ironridge XR100	Ecofasten GF1	5/16 lag bolt	4' staggered	
R2	Shingled	2X8	16"	33	Ironridge XR100	Ecofasten GF1	5/16 lag bolt	4' staggered	
R3									
R4									

1005 MAIN STREET #2129
PAWTUCKET RI 02860

LeBLANC RESIDENCE	CUSTOMER
14 HOWE STREET BRISTOL RI 02809	PROJECT ADDRESS
ROOFTOP SOLAR PV	PRIMARY SCOPE

Drawn By:

GC:

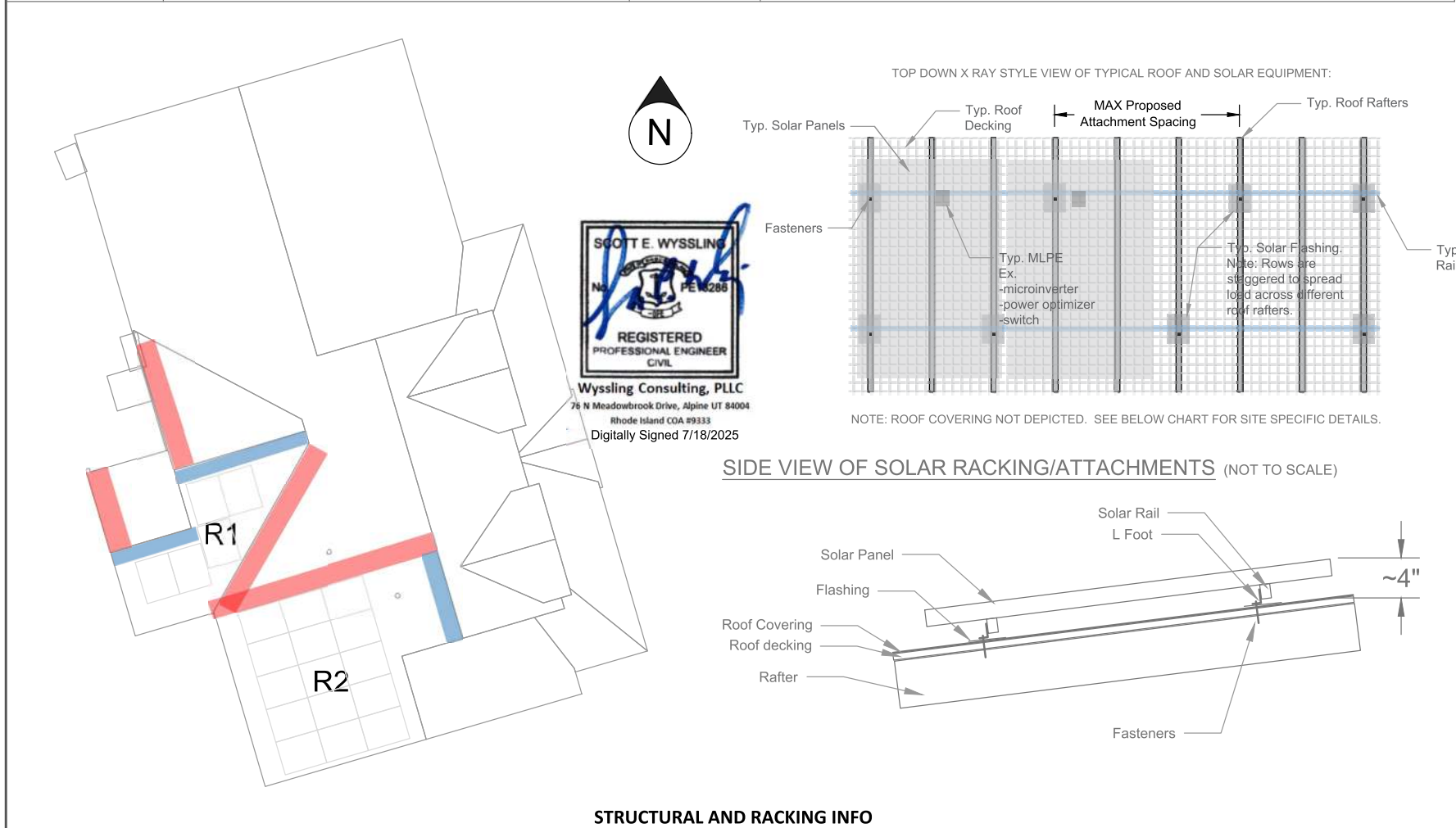
DATE:

SITE PLAN

SHEET NUMBER

2

SYSTEM SPECS	8.8kWDC, 6.4kWAC	IMPORTANT PROJECT NOTES	REVIEW CONDUIT RUN W. HOMEOWNER PRIOT TO INSTALL
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R3									
R4									

1005 MAIN STREET # 2129
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LeBLANC RESIDENCE

14 HOWE STREET BRISTOL RI 02809

ROOFTOP SOLAR PV

CUSTOMER

PROJECT ADDRESS

PRIMARY SCOPE

Drawn By:

GC:

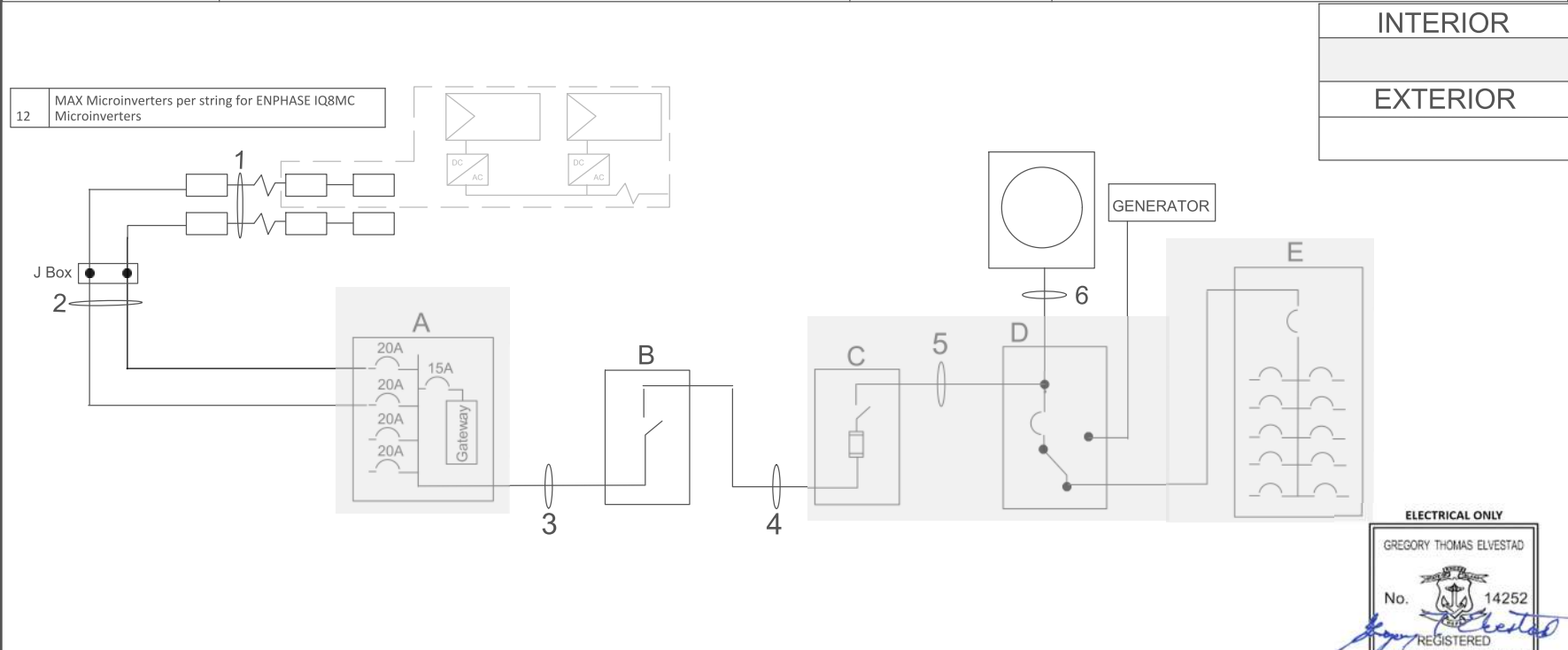
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RACKING

SHEET NUMBER

3

SYSTEM SPECS	8.8kWDC, 6.4kWAC	IMPORTANT PROJECT NOTES	REVIEW CONDUIT RUN W. HOMEOWNER PRIOT TO INSTALL
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INTERIOR
EXTERIOR

EQUIPMENT LEGEND	
TIE IN	Supply side in Generator ATS using supply side rated Sicame IPC's: Primary: 4/0 to #6, Secondary: #2-#6
A	Enphase 80A combiner
B	60A Disconnect
C	60A Disconnect with 40A Fuses
D	Whole home automatic transfer switch With Main breaker
E	Existing 200A bus with a 200A main breaker
F	Existing Stand alone meter
G	
H	
I	
GENERATOR INFO	
Existing Whole home automatic transfer switch With Main breaker	
COMMUNICATIONS TYPE	
Connect to Wifi	

WIRE LEGEND					
Tag	Guage	Type	# Of Conductors	EGC	Conduit Tye
1	12	Enphase Trunk	2/circuit	6	PVC
2	10	USE-2 / RX*	2/circuit	8	PVC/FA*
3	8	THWN-2	2 + Neutral	8	PVC
4	8	THWN-2	2 + Neutral	8	PVC
5	6	THWN-2	2 + Neutral	8	EMT
6	200A Rated	Service cable			
Note: All Solar conductors are copper. 200A Rated, 150A Rated, and 100A Rated are assumed to be 4/0, 2/0, and #2 AL respectively. *Typical Installation: USE-2 in PVC conduit when exterior. Romex in Free Air when interior. **DC wires run interior need to be in metal conduit. Exterior DC runs can be in PVC conduit.					



PV SYSTEM SPECS	
SITE/PV VOLTAGE	240
OPERATING CURRENT	26.6

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Drawn By:
GC:
DATE:
SINGLE LINE
SHEET NUMBER
4