Site Plan
for Small-Scale, Single-Phase PV Systems

Site Name: Joe and Jane Homeowner
Site Address: 12 Monroe St, Alexandria, VA
System AC Size: 7.6 kW Solar Array

Structural Notes:
1. Roof Pitch: 4:12
2. Roof Covering: Single Layer Asphalt Shingles
3. Black Dots Represent Anchor Points
4. Mean Roof Height Less Than 30'
5. Roof Structure: 2x6 Rafters on 24" Centers with Midspan Support—Max Span 11'6".
6. Roof Deck: 7/16" OSB
7. Maximum Anchor Point Horizontal Distance: 48"
8. Dwelling in Wind Exposure B
9. Anchors Are 5/16" Lag Screws with 2.5 Embedment in Structure
10. Each Anchor Flashed with "Anchor-Flash" Aluminum Flashing
11. All Module Rails Run Perpendicular to Rafters
12. PV Modules Mounted 5" Above Roof Covering
13. PV Modules Certified Type 1 for Fire Purposes
14. Omirack Mod 3.0 Listed Class A with Type 1 Modules

Existing All-In-One Service Equipment with 40-AMP PV Breaker as AC Disconnect

Roof Access

125-AMP AC Subpanel with Two, 20-AMP PV Breakers

Rooftop J-Box Under Movable PV Module to Transition Exposed PV Wire to THWN-2 Conductors in 1/2" EMT (Typical 3 Places)

26 American Solar AS 360 Modules Each Connected to an American Inverter AS-295 Microinverter in Two Circuits of 13 Microinverters Each on Existing Roof Structure

Contractor Name,
Address and Phone:

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