

Solar AI Platform — Project Report (Starter)

Project: Solar Installation - 123 Main Street (ID: 2)

Address: 123 Main Street, San Francisco, CA 94102

Project Assets



[photo]

roof_20251227_211306_639732_good.jpg

[View Full Size](#)

Analysis Results

ROOF_RISK Analysis

Roof Risk: HIGH RISK

Risk Score: 30/100

Survey Information:

Key Risk Factors:

- Weak structural areas detected

Recommended Actions:

Action: CRITICAL - Strengthen weak roof structures

Reason: Current structure may collapse under solar panel weight

Next step: Structural engineer assessment, reinforce/repair roof, then

Detailed Image Analysis:

[Image 1 — Findings](#)



The roof is constructed with asphalt shingles.

Visible granular loss is present on the surface of the shingles, indicating normal wear and aging.

No obvious major cracks, holes, or missing shingles are observed in the visible areas.

No significant signs of water leakage, staining, or discoloration are apparent on the visible shingles.

No rust or corrosion is visible on the shingle surfaces (no metal components are clearly in focus).

Edges of some shingles show minor wear/abrasion.

ELECTRICAL Analysis

Status: done

10.0kW system requires 63A breaker on 63A panel