

# Solar AI Platform — Project Report (Starter)

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

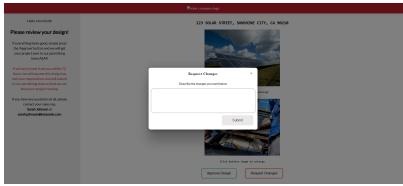
Address: 123 Main Street, San Francisco, CA 94102

## Assets

[photo]

Screenshot 2025-12-18 232103.png

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[document]\$aurabh\_Resume.pdf

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## Analysis Results

### SHADING Analysis

Summary: 2 roof plane(s), 2 obstruction(s)

**Overall Shading Level:** Low (Avg 0.27% loss)

#### • Main Roof

**Shading Level:** Low (0.54% annual loss)

**Expected Production:** Excellent

Power loss during strongest sunlight hours (10AM-4PM): 0.0%

#### Recommendations:

- Excellent solar exposure - minimal shading impact
- Most affected time: 18:00 - avg 1.1% shaded

#### • Garage Roof - West Facing

**Shading Level:** Low (0.0% annual loss)

**Expected Production:** Excellent

Power loss during strongest sunlight hours (10AM-4PM): 0.0%

#### Recommendations:

- Excellent solar exposure - minimal shading impact

### CHECK - RECOMMENDATION:

Excellent site conditions! Minimal shading impact - ideal for solar installation.

## **COMPLIANCE Analysis**

**Compliance Status: PASS**

**Score: 100/100**

■ Compliance Check PASSED - Score: 100/100. Design meets all requirements and is ready for permitting.

Checked 1 of 2 roof plane(s) with layouts