

Solar Checklist



This document must be present at the time of inspection. Failure to keep this document onsite may result in inspection cancellation.

PROJECT ADDRESS: _____

PROJECT CONTACT: _____

BUILDING PERMIT #: _____

Submittal Requirements

- Quantity:** Two (2) plan sets, 11 x 17
- Building Permit Application
- Plot Plan/Title Sheet
- Load Calculations
- Single Line Diagram
- Sample Labels Page
- Picture(s) of electrical panel
 - o Main electrical panel
 - o Sub-panel

Inspection Requirements

1. IF NO VERIFIABLE UFER OBSERVED A 8' GROUND ROD/RODS MUST BE INSTALLED AND THE GAS AND WATER BONDING IN PLACE.
2. **Placards/Stickers.** ALL PLACARDS AND CONDUIT STICKERS MUST BE APPLIED.
3. ALL EQUIPMENT WITH A DEAD FRONT MUST BE OPEN AND DEAD FRONT REMOVED FOR INSPECTION.
4. **Ladders.** LADDERS MUST BE PROVIDED FOR ROOF ACCESS IF NEEDED.
5. **Photos.** PICTURES OF OPEN JBOXES ON ROOF, WIRE MANAGEMENT UNDER PANELS AND PANEL ATTACHMENT TO ROOF.
6. **Reinspection.** IF THE ABOVE ITEMS ARE NOT READY FOR INSPECTION WHEN THE INSPECTOR ARRIVES RE-INSPECTION FEE'S MAY BE CHARGED TO GO BACK.

Building Division

200 H Street || Antioch, CA. 94509

Phone: (925) 779-7035 || Antiochca.gov

Residential Electrical Load Calculation Worksheet

Quantity	Load Item	Minimum Rate	Column 1	Column 2
	Dwelling Squares Footage	3w/sq.ft		
	Small Appliance (2 min)	1500 V-A/ea.		
	Electric cook top(s)	5100		
	Electric ovens(s)	8000		
	Dishwasher	1200		
	Garbage Disposal	800		
	Laundry Circuit	1500		
	Forced air unit	550		
	Air conditioner			
	Pool equipment			
	Individual space heating			
	Microwave	1600		
	Electric clothes dryer	5000		
TOTALS				

First 8,000* V-A at	8,000*
Column 1 (minus 8,000*) x 40%	
Column 2 at 100%	
Calculated Volt-Ampers Divided watts by 240	
Calculated Ampers	
Solar Breaker Ampers	
Total Ampers on Bus	
Bus Bar Rating in Ampers	
Panel upgrade	Yes No

*Use the first 8,000 Volt-Ampers for additional loads to existing dwellings. Use 10,000 Volt-Ampers in calculations for new dwelling units. NEC Article 220.83

If the total demand is less than the rating of the existing electrical service or subpanel including the 120% rule, then a panel upgrade is not required. If the total demand is greater than, then a Photovoltaic permit will only be issued if a panel upgrade is included in the work. New/upgraded panels may require the service lateral to be placed underground

SELF CERTIFICATION

I, the undersigned owner (or authorized agent) of the property herein described, hereby make application to the Antioch Building Department for the review and approval of the solar installation submittal and certify that all required contents are contained in the project plans.

APPLICANT

Signature: _____

Printed Name: _____

Date: _____