

Philip Barthman, Senior Building Inspector

Summary

I serve as an expert witness with extensive experience in inspections and code enforcement. I specialize in evaluating residential properties for compliance with the implied warranty of habitability and applicable California building standards.

With decades of hands-on fieldwork and regulatory enforcement experience, I am skilled at analyzing complex construction and code issues and presenting technical findings in a clear, persuasive, and understandable manner for judges, juries, and counsel.

My expertise consists of all phases of building construction, with advanced proficiency in California code research, interpretation, and application. I possess specialized knowledge in electrical power systems across residential, commercial, and heavy industrial installations, as well as extensive experience in renovations, upgrades, substandard housing conditions, unsafe dwellings, and conversations involving habitable and non-habitable spaces.

Professional Experience:

- Combination Building Inspector – Alameda County (20 Years)
 - Inspected new construction and remodeled residential, commercial, and heavy industrial projects to ensure compliance with applicable codes, ordinances, approved plans, and specifications.
 - Performed code enforcement services for substandard, damaged, and uninhabitable structures.
 - Conducted plan review for complex electrical installations and large-scale properties.
 - Evaluated habitability issues, life-safety concerns, and structural compliance matters.
- Electrician (35 Years)
 - Installed and supervised large-scale commercial and industrial systems.
 - Project experience includes the United Airlines maintenance Terminal at Oakland International Airport, the AT&T Telecommunications hub in Oakland, Bay Area Rapid Transit (BART) facilities, and Apple Computer installations.
 - Oversaw complex power distribution systems, infrastructure upgrades, and compliance-driven retrofits.
- Code & Electrical Application Instructor (25 Years)
 - Taught the National Electrical Code (NEC) and practical electrical installation at community colleges and apprenticeship training centers.
 - Instructed students and professionals on code interpretation, compliance standards, and real-world application of electrical systems.

Professional Experience

Senior Building Inspector Edrington and Associates	2020 - Present
Building Inspector II Alameda County, California	1999 - 2020
Building Inspector Consultant Linhart, Peterson, Powers & Associates	1998 - 1999
Building Inspector Consultant Alameda County, California	1998
Journeyman Electrician IBEW #595, Dublin, California	1986 - 1998
Apprentice Electrician IBEW #595, San Leandro, California	1982 - 1986

Teaching Experience

Professor Laney College, Oakland, California Taught the National Electric Code, Residential and Commercial wiring.	2008 – 2021
Instructor Alameda County Joint Apprenticeship Taught Code, Theory, and practical electrical skills.	1992 – 2005
Professor Chabot College, Oakland, California Taught the National Electric Code	1996 – 2003
Instructor Bay Area Training Corporation, Martinez, California Taught safety orientation for construction workers in refineries.	1993 – 2010

Formal Education

Associates of Arts

June 1990

Chabot College, Hayward

Journeyman Electrician, IBEW Apprenticeship Training

October 1986

Chabot College, Hayward

Licenses & Certifications

- ICC Commercial Combination Inspector #0852963-C5
- ICC Combination Inspector #0852963-C8
- ICC Building Inspector #0852963-B5
- ICC Certified Electrical Inspector #0852963-E5
- ICC Plumbing Inspector #0852963-P5
- ICC Mechanical Inspector #0852963-M5
- Certificate, Completion of Apprenticeship, IBEW #595, Oakland, CA
- Certificate, Building and Housing Inspection, Chabot College, Hayward, CA
- Grand Sweepstakes Championship, Rowell Ranch Rodeo Parade Float Competition. 2012