

# Building Inspection Occupation Overview

Emsi Q2 2016 Data Set

July 2016

College of San Mateo



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# Parameters

## Occupations

Code	Description
47-4011	Construction and Building Inspectors

## Regions

Code	Description
6001	Alameda County, CA
6013	Contra Costa County, CA
6075	San Francisco County, CA
6081	San Mateo County, CA
6085	Santa Clara County, CA

## Timeframe

2014 - 2021

## Datarun

2016.2 - QCEW Employees

## BLDG CTE in 5 Counties

Construction and Building Inspectors (SOC 47-4011):

Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.

Sample of Reported Job Titles:

Plumbing Inspector

Inspector

Elevator Inspector

Construction Inspector

Building Inspector

Construction Materials Testing Technician

Combination Building Inspector

Building Official

Building Inspection Engineer

Building Code Administrator

Related O\*NET Occupation:

Construction and Building Inspectors (47-4011.00)

## Occupation Summary for BLDG CTE

<p><b>2,215</b> Jobs (2016) 5% <b>above</b> National average</p>	<p><b>+15.0%</b> % Change (2014-2021) Nation: <b>+8.6%</b></p>	<p><b>\$42.18/hr</b> Median Hourly Earnings Nation: \$27.92/hr</p>
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## Growth for Construction and Building Inspectors (47-4011)

**2,086**

2014 Jobs

**2,398**

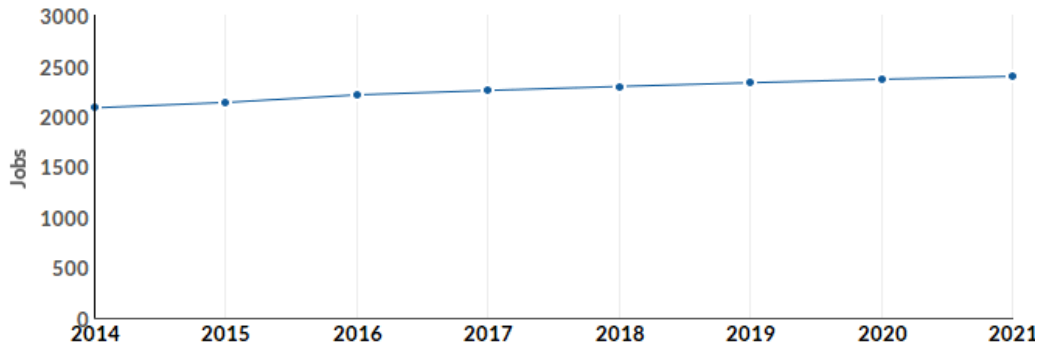
2021 Jobs

**312**

Change (2014-2021)

**15.0%**

% Change (2014-2021)



## Percentile Earnings for Construction and Building Inspectors (47-4011)

**\$36.23/hr**

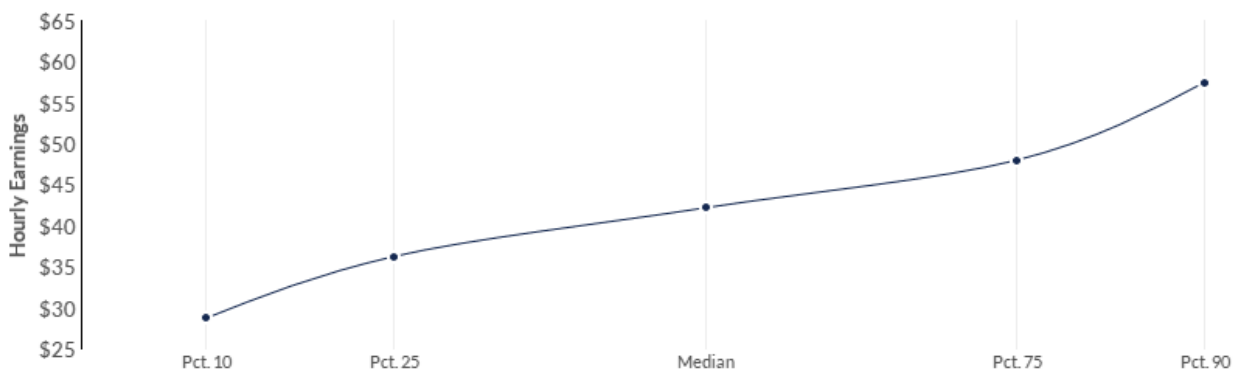
25th Percentile Earnings

**\$42.18/hr**

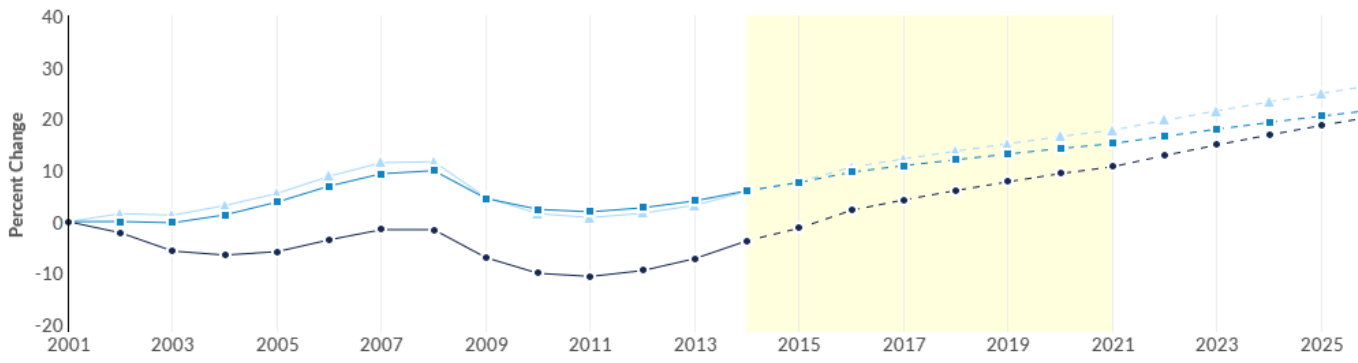
Median Earnings

**\$48.00/hr**

75th Percentile Earnings



# Regional Trends



Region	2014 Jobs	2021 Jobs	Change	% Change
● Region	2,086	2,398	312	15.0%
■ Nation	88,977	96,667	7,690	8.6%
▲ California	9,355	10,405	1,050	11.2%

## Regional Breakdown



County	2021 Jobs
Alameda County, CA	796
San Francisco County, CA	634
Santa Clara County, CA	462
Contra Costa County, CA	334
San Mateo County, CA	172

## Job Postings Summary

91

Unique Postings (May 2016)  
199 Total Postings

2 : 1

Posting Intensity (May 2016)



There were 199 total job postings for *Construction and Building Inspectors* in May 2016, of which 91 were unique. These numbers give us a Posting Intensity of 2-to-1, meaning that for every 2 postings there is 1 unique job posting.

This is lower than the Posting Intensity for all other occupations and companies in the region (5-to-1), indicating that companies may not be trying as hard to hire this position.

## Occupation Gender Breakdown



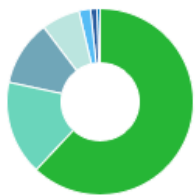
Gender	2016 Jobs	2016 Percent	
● Males	1,942	87.7%	
● Females	273	12.3%	

## Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	2	0.1%
19-24	54	2.4%
25-34	307	13.9%
35-44	448	20.2%
45-54	591	26.7%
55-64	588	26.5%
65+	226	10.2%

## Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2016 Jobs	2016 Percent
White	1,373	62.0%
Hispanic or Latino	362	16.4%
Asian	251	11.3%
Black or African American	148	6.7%
Two or More Races	44	2.0%
Native Hawaiian or Other Pacific Islander	25	1.1%
American Indian or Alaska Native	12	0.6%



## National Educational Attainment



Education Level	2016 Percent
Less than high school diploma	3.4%
High school diploma or equivalent	26.0%
Some college, no degree	32.2%
Associate's degree	12.3%
Bachelor's degree	21.0%
Master's degree	4.7%
Doctoral or professional degree	0.4%

## Occupational Programs

<p><b>1</b> Programs (2014)</p>	<p><b>28</b> Completions (2014)</p>	<p><b>113</b> Openings (2014)</p>
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CIP Code	Program	Completions (2014)
46.0403	Building/Home/Construction Inspection/Inspector	28

## Industries Employing BLDG CTE

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Local Government, Excluding Education and Hospitals	918	41.4%	0.8%
Engineering Services	357	16.1%	1.3%
Architectural Services	304	13.7%	3.5%
State Government, Excluding Education and Hospitals	53	2.4%	0.2%
Landscape Architectural Services	51	2.3%	3.6%

# Appendix A - Data Sources and Calculations

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

## Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department