

## **CLASS SPECIFICATION**

### **SAN DIEGO CITY CIVIL SERVICE COMMISSION**

### **STRUCTURAL ENGINEERING ASSISTANT - 1208**

#### **DEFINITION:**

Under general supervision, to check building plans of moderately complicated structures for compliance with building regulations for structural design adequacies; to advise the public on building code requirements; and to perform related work.

#### **\* EXAMPLES OF DUTIES:**

- Examines and checks building plans and specifications to assure compliance with the Uniform Building Code and other State laws relating to structural adequacy, accessibility for the handicapped, proper ventilation, and location and number of emergency exits;
- Reviews building plans for compliance with building code regulations, ordinances, and the Municipal Code, and for compliance with fire resistance, life safety, disabled access, and structural design provisions;
- Performs and checks calculations for vertical and horizontal loads for compliance with wind and earthquake regulations;
- Studies reports of soil analyses to aid in proper checking of foundation designs;
- Consults with engineers, architects, contractors, and the public regarding plan modifications, building regulations, and structural problems;
- Makes field inspections of building sites when unusual structural problems exist;
- Performs structural damage assessments and feasibility studies related to the effects of earthquakes on City facilities;
- Provides technical assistance and advice on building construction problems;
- Writes reports.

#### **MINIMUM QUALIFICATIONS:**

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

A Bachelor's Degree in Structural, Civil, or Architectural Engineering, **OR** certification as an Engineer-in-Training (EIT) issued from a state licensing board, **OR** registration as a professional Structural or Civil Engineer with the State of California; **AND** two years of full-time professional structural engineering experience in structural design or public agency structural plan checking. A valid International Code Council (ICC) Certificate as a Building Plans Examiner will be required within two years from date of hire. Possession of a valid California Class C Driver's License.

- \* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.