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636 N Formosa Avenue, Los Angeles, CA, 90036-1943
Tel: 323-931-2969 Fax: 323-933-2301 Cell: 626-695-6170
On the web at Cal-Quake.com Email: info@cal-quake.com

Job Description

Draftsmen

We at Cal-Quake are looking for highly motivated engineering students for training in real world engineering. We are a construction firm that deals specifically and exclusively with earthquake retrofitting. Recently the city of Los Angeles past Ordinance #183893, otherwise known as the Soft-Story Retrofit Program, requiring retrofitting for all buildings with units above an opening to be retrofitted. We have engineers on staff helping us tackle this task and we are looking for a student who is highly organized and driven to come on board and fill our need.

Position Summary

Measure buildings in and around the Los Angeles area:

-Site/Plot plan

Must include: Vicinity map with north arrow, lot dimensions, property lines, street(s), alleys, building footprint, fully dimensioned existing parking lot layout, Easement and visible utilities on site

-Existing 1st and 2nd floor plans

Base floor -column spacing and main beams direction at ceiling, inside apartment's floor enough to show foyer, main corridors and location of the stairs, no more. Identify possible structural (shear) walls on the 1st and 2nd floor.

-All exterior elevations

Show all building elevations to identify all open wall lines. (No need for all the little architectural details.)

Notes:

If the building is small, all of the above requirements are needed. For big buildings only tributary (pertinent area) of retrofit is of interest. Therefore, before going to the field and during field taking measurements, communication with the Engineer will be very important.

All the plans will be drafter on a separate 24" x 36" sheet

Draw plans on AutoCAD

Proficiency of AutoCAD is a must.

Must have previous knowledge and understanding of AutoCAD.