

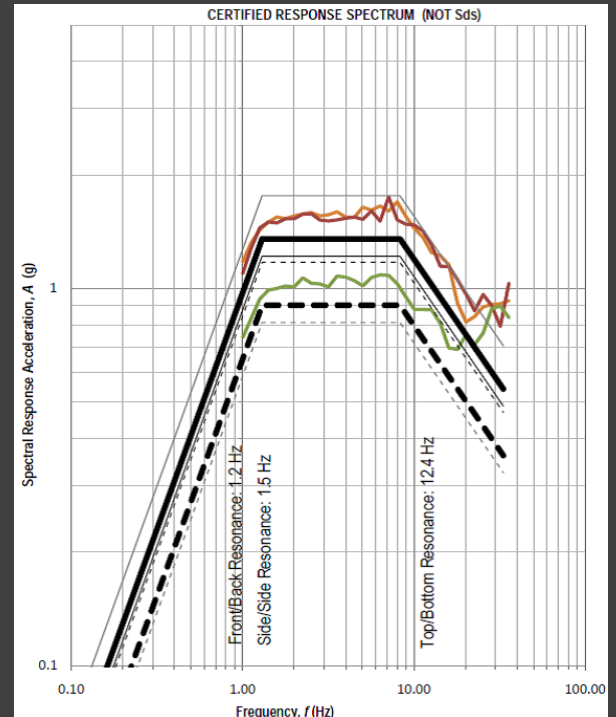


# DCL Dynamic Certification Laboratories

DCL is one of only a few **fully accredited**, single source, premier laboratories for all required seismic simulation testing, analysis, reporting, and certification of essential equipment. Its advanced, triaxial shake table, experienced staff and commitment to quality makes DCL a leader in the industry.



DCL's dedication to their vision of improving the quality and efficiency of seismic testing is best demonstrated in their commitment to upholding the code's requirement for accreditation. Since its debut in early 2010, Dynamic Certification Laboratories has been used extensively for the Certification of Designated Seismic Systems.



## SERVICES:

- Seismic Certification Plan Development
- Engineering Analysis and Design
- Finite Element Computer Modeling
- Design for Anchorage and Restraint
- Shake Table Testing at DCL's IAS Accredited laboratory and other laboratories around the country
- Shake Table Test Report Writing
- OSHPD Pre Approvals for Restraint and Anchorage
- OSHPD Pre Approvals for Special Seismic Certification
- Site and Project Specific Special Seismic Certification

The implementation of Shake Table testing by an Accredited Laboratory is growing in response to the requirements set forth by legislation:

- ASCE/SEI
- ICC Acceptance Criteria 156 (AC-156)
- 2010 California Building Code (CBC)
- 2009 International Building Code (IBC)

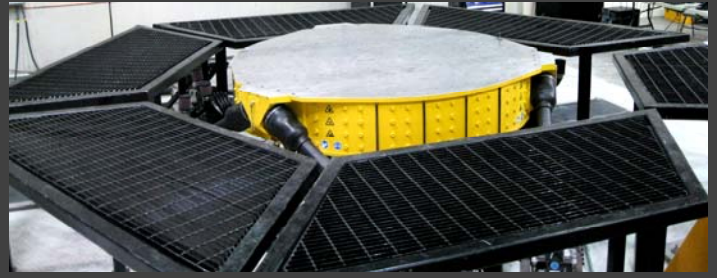
(References available on DCL's website!)

[www.SHAKETEST.com](http://www.SHAKETEST.com)

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## SERVICE

The time and attention DCL devotes to its clientele is unmatched. To ensure that every client is made a priority, each project at DCL is assigned to a Client Services Representative. The staff is knowledgeable, easy to work with, and committed to putting customers first.



## KNOWLEDGE

DCL's Advisory Board is comprised of highly specialized experts. It's Managing Member, Joseph La Brie is a CA registered Civil and Structural Engineer, and has been working in the industry for more than 25 years. He serves as an active member of the American Society of Civil Engineers (ASCE), is on the Board of Directors for the Structural Engineers Association of Southern California (SEAOSC), and is serving in his second term as Chairman for California's Hospital Building Safety Board (HBSB).



Dr. Ahmad Itani is a licensed Civil and Structural Engineer in the State of California. His expertise lies in the experimental and analytical evaluation of structures and nonstructural components under extreme loading. He has conducted large scale experiments on many long span bridges in California, and has performed experiments on both the new Moscone Center in San Francisco and the UCLA hospital in Los Angeles.



Dr. Patrick Laplace is a published research expert in shake table testing and analysis. He has been a laboratory manager at a structures research laboratory for 10 years and has over 15 years of experience in real-time servo-hydraulic and digital control systems and development, design, installation, set-up, testing, and analysis of structural research projects.



Dr. Gokhan Pekcan's expertise lies in the theoretical and experimental aspects of earthquake engineering and structural dynamics. He has been one of the contributors in the development of ATC-58 - Interim Shake Table Test Protocol for Quantifying Seismic Fragility of Motion-Sensitive Nonstructural Components.

## QUALITY RESULTS

While DCL believes that service and knowledge are cornerstones of good business practice, we also believe that these fundamentals are ineffective without efficient and excellent results. **As an IAS Accredited and fully ICC-ES AC-156 Compliant Laboratory**, DCL only accepts the highest standard of testing. DCL takes each piece of equipment on a well-planned journey from testing through certification. Our commitment to quality results is unparalleled in the Special Seismic Certification Industry.

