

## Top Firms

### DBM Contractors, Inc.

Phone: 800-562-8460  
 Email: [rcarnevale@dbmcm.com](mailto:rcarnevale@dbmcm.com)  
 Web: [www.dbmcontractors.com](http://www.dbmcontractors.com)

**Product:** Excavation Support and Deep Foundations  
**Description:** Design-build specialty geotechnical contractor providing drilled foundation support, earth retention, slope stabilization and ground improvement for structural support and seismic hazard mitigation.

### Hayward Baker Inc.



Phone: 800-456-6548  
 Email: [info@HaywardBaker.com](mailto:info@HaywardBaker.com)  
 Web: [www.HaywardBaker.com](http://www.HaywardBaker.com)

**Product:** Liquefaction and Seismic Mitigation  
**Description:** Hayward Baker has experience with the full range of geotechnical construction techniques for seismic/liquefaction mitigation for existing and planned structures. Vibro replacement stone columns, vibro compaction, Vibro Piers, jet, chemical, and compaction grouting, dynamic compaction, and soil mixing treat liquefiable soils insitu. Anchors, micropiles, and jet grouting provide seismic retrofit.

### Leslie E. Robertson Associates RLLP

Phone: 212-750-9000  
 Email: [karimah.hourmanesh@lera.com](mailto:karimah.hourmanesh@lera.com)  
 Web: [www.lera.com](http://www.lera.com)

**Product:** Structural Engineering  
**Description:** Leslie E. Robertson Associates, is an 85-person MBE/WBE consulting engineering firm providing structural engineering design services for architects, developers, contractors and owners. Since 1923, we have designed numerous landmark projects, nationally and internationally. Our long tradition of innovative design has brought us to the forefront of the structural engineering profession.

### Thornton Tomasetti

Phone: 917-661-7800  
 Email: [RDescenza@ThorntonTomasetti.com](mailto:RDescenza@ThorntonTomasetti.com)  
 Web: [www.ThorntonTomasetti.com](http://www.ThorntonTomasetti.com)

**Product:** Structural and skin design, construction support, sustainability  
**Description:** Thornton Tomasetti is a leader in engineering design, investigation and analysis serving clients worldwide on projects of all sizes and complexity. With practices in building structure, building skin, building performance, construction support services and property loss consulting, Thornton Tomasetti addresses the full life cycle of a structure.

### Walter P Moore and Associates, Inc.

Phone: 404-898-9620  
 Email: [tsanti@walterpmoore.com](mailto:tsanti@walterpmoore.com)  
 Web: [www.walterpmoore.com](http://www.walterpmoore.com)

**Product:** Structural Consulting Firm  
**Description:** We provide structural engineering consulting services for large scale buildings worldwide. Specialties include Tall Buildings, Sports, Healthcare, Aviation, Parking, Federal, and Higher Education.

## Software

### ADAPT Corporation

Phone: 650-306-2400  
 Email: [info@adaptsoft.com](mailto:info@adaptsoft.com)  
 Web: [www.adaptsoft.com](http://www.adaptsoft.com)

**Product:** ADAPT-Builder: Floor Pro and MAT  
**Description:** ADAPT-Builder software (Floor Pro & MAT) is for the design of reinforced concrete or post-tensioned floor and foundation systems. Use it to generate detailed reinforcement requirements and drawings, investigate strength capacity of existing slabs, or carry out vibration analysis for special use structures. Seamless Revit Structure integration.

### Computers & Structures, Inc.

Phone: 510-649-2200  
 Email: [info@csiberkeley.com](mailto:info@csiberkeley.com)  
 Web: [www.csiberkeley.com](http://www.csiberkeley.com)



**Product:** ETABS  
**Description:** For more than thirty years, ETABS has been recognized as the industry standard for building analysis and design software. Whether the project is a one-story shopping center or the tallest building in the world, ETABS offers the comprehensive tools needed to produce timely, efficient and elegant engineering solutions.

### Devco Software, Inc.

Phone: 541-426-5713  
 Email: [rob@devcosoftware.com](mailto:rob@devcosoftware.com)  
 Web: [www.devcosoftware.com](http://www.devcosoftware.com)

**Product:** LGBEAMER v8  
**Description:** Analyze and design cold-formed cee, zee and channel shapes. 2007 NASPEC (2009 IBC) compatible, including distortional buckling and torsion. Uniform, concentrated, sloped and axial loads. Framed opening, shearwall, X-Brace, floor joist and rafter design tools.

### Digital Canal

Phone: 800-449-5033  
 Email: [clint@digitalcanal.com](mailto:clint@digitalcanal.com)  
 Web: [www.digitalcanal.com](http://www.digitalcanal.com)

**Product:** Structural Expert Series  
**Description:** Time tested 3D frame analysis and design inside or outside of AutoCAD. Includes integrated steel & concrete design, P-delta & frequency analysis, plate elements, tension struts, cables, elastic-plastic bars, ultra-fast sparse solver, fluid loads, moving loads, area loads and more! Try it free at our website.

### Dimensional Solutions, Inc.

Phone: 281-497-5991  
 Email: [Info@DimSoln.com](mailto:Info@DimSoln.com)  
 Web: [www.DimSoln.com](http://www.DimSoln.com)

**Product:** Mat3D  
**Description:** Mat3D completes soil and pile supported mat/pile cap designs supporting multiple load points, in an integrated environment that takes you from concept to construction in minutes. Enhance your productivity from input to construction

drawings and 3D foundation modeling in popular CAD/modeling engines for industrial, commercial, petrochemical foundation design projects.

### Product: DSAnchor

**Description:** DSAnchor makes it easy to complete computationally-intensive anchor design using Appendix D, ACI 318. With symmetrical and unsymmetrical anchor layouts on various concrete member layouts, DSAnchor computes individual and group anchor tension and shear capacities for cast-in and post-installed anchors in seconds. Download a free trial at our website.

### GT STRU DL

Phone: 404-894-2260  
 Email: [casec@ce.gatech.edu](mailto:casec@ce.gatech.edu)  
 Web: [www.gtstrudl.gatech.edu](http://www.gtstrudl.gatech.edu)

**Product:** GT STRU DL  
**Description:** GT STRU DL Structural Design & Analysis software from the Georgia Tech-CASE Center offers linear and nonlinear static and dynamic analysis features including response spectrum, transient and pushover analyses, plastic hinges, discrete dampers, base isolation, and nonlinear connections. New solvers enable the solution of static/dynamic models with over 300,000 DOF.

### IES, Inc.

Phone: 800-707-0816  
 Email: [sales@iesweb.com](mailto:sales@iesweb.com)  
 Web: [www.iesweb.com](http://www.iesweb.com)



**Product:** VisualAnalysis  
**Description:** IES VisualAnalysis automates the design of steel, wood, concrete, aluminum, and cold-formed beams, columns, and framing for anything from simple members to complete, complex structures. A modern and intuitive user interface simplifies modeling, analysis, design, and reporting.

### King & Associates LLC

Phone: 866-739-5464  
 Email: [usa@spacegass.com](mailto:usa@spacegass.com)  
 Web: [www.spacegass.com](http://www.spacegass.com)

**Product:** SPACE GASS  
**Description:** SPACE GASS is a general purpose 3D analysis and design program. It is suitable for any job from small beams to large high-rise buildings, towers, tanks, cable structures and bridges. Special features include plate finite elements, cable elements, tension and compression-only elements, moving loads and links to CAD programs.

### LUSAS

Phone: 646-837-8756  
 Email: [info@lusas.com](mailto:info@lusas.com)  
 Web: [www.lusas.com](http://www.lusas.com)

**Product:** LUSAS Civil and Structural  
**Description:** LUSAS Civil & Structural – as used on the Intesa San Paolo Tower in Turin. Finite element analysis software all types of structures from simple slabs, building frames, masts, towers and tanks through to heavy civil engineering structures such as cooling towers, dams, docks and tunnels.

## MIDASoft

Phone: 212-835-1666

Email: [midasoft@midasuser.com](mailto:midasoft@midasuser.com)

Web: [www.midasuser.com](http://www.midasuser.com)

**Product:** midas Gen

**Description:** Structural analysis includes column shortening, which reflects creep, shrinkage and modulus of elasticity varying with time. Construction stage analysis covers the sequence of erection, which can incorporate addition and removal of members, loadings and boundary conditions in conjunction with time dependent material properties. midasGen also handles nonlinear seismic analysis.

## Powers Fasteners



Phone: 985-807-6666

Email: [jzenor@powers.com](mailto:jzenor@powers.com)

Web: [www.powers.com](http://www.powers.com)

**Product:** Concrete Anchoring Systems

**Description:** FREE – Anchor Design Software – POWERS DESIGN ASSIST. Helps Tall Building designers deal with the complexity of ACI 318 Appendix D. Powers Fasteners now has 9 Product Code Compliance ICC ES Reports! Visit our website to download the software.

## RISA Technologies



Phone: 949-951-5815

Email: [info@risatech.com](mailto:info@risatech.com)

Web: [www.risa.com](http://www.risa.com)

**Product:** RISAFloor

**Description:** RISAFloor and RISA-3D form an unrivaled building analysis and design package. Modeling has never been easier whether you're doing a graphical layout, importing a BIM model (from Autodesk Revit Structure), or prefer spreadsheets. Full code checks and optimization for six different material types makes RISA your first choice in buildings.

## Strand7 Pty Ltd

Phone: 252-504-2282

Email: [anne@beaufort-analysis.com](mailto:anne@beaufort-analysis.com)

Web: [www.strand7.com](http://www.strand7.com)

**Product:** Strand7

**Description:** Strand7 is an advanced, general purpose, FEA system used worldwide by engineers, designers, and analysts for a wide range of structural analysis applications. It comprises preprocessing, solvers (linear and nonlinear static and dynamic capabilities) and postprocessing. New features include staged construction, new solvers including quasi-static for shrinkage and creep/relaxation problems.

## STRUCTUREPOINT



Phone: 847-966-4357

Email: [info@structurepoint.org](mailto:info@structurepoint.org)

Web: [www.StructurePoint.org](http://www.StructurePoint.org)

**Product:** spSlab, spColumn, spMats, spWall, spBeam, spFrame

**Description:** Reinforced concrete design software.

All Resource Guides and Updates for the 2011 Editorial Calendar are now available on the website, [www.STRUCTUREmag.org](http://www.STRUCTUREmag.org). Listings are provided as a courtesy. STRUCTURE® magazine is not responsible for errors.

## Suppliers

### ASC Steel Deck

Phone: 800-726-2727

Email: [info@ascsd.com](mailto:info@ascsd.com)

Web: [www.ascsd.com](http://www.ascsd.com)

**Product:** 36/7/4 Roof Deck Attachment Pattern

**Description:** 36/7/4 is a revolutionary roof deck attachment pattern that eliminates the overwhelming number of attachment options with a single pattern optimized for all span conditions.

### Cortec Corporation

Phone: 651-429-1100

Email: [jessij@cortecvci.com](mailto:jessij@cortecvci.com)

Web: [www.cortecvci.com](http://www.cortecvci.com)

**Product:** MCI-2005

**Description:** MCI-2500 is a migrating corrosion inhibitor admixture for protection of metallic reinforcement. MCI-2005 has over 15 years of field experience, including use on the world's tallest building, Burj Khalifa. MCI-2005 is proven to reduce corrosion due to carbonation, chlorides and other aggressive elements, extending the useful service life of structures.

### CTS Cement Manufacturing Corporation

Phone: 800-929-3030

Email: [jong@ctscement.com](mailto:jong@ctscement.com)

Web: [www.ctscement.com](http://www.ctscement.com)

**Product:** KSC™ Type-K Shrinkage-Compensating Cement

**Description:** KSC Type-K shrinkage-compensating cement products allow for installation of concrete structures and industrial-size floors with no curling, no drying shrinkage cracking, and without the need for intermediate saw cut joints. KSC Type-K is designed to keep the concrete in compression through the life of the concrete.



**Product:** Rapid Set®

**Description:** Rapid Set is a brand of fast-setting cement products used in concrete applications requiring the highest durability and fastest strength gain, achieving structural or drive-on strength in one hour. Use for concrete repairs and restoration, and new construction projects.



### Decon USA Inc.

Phone: 866-332-6687

Email: [frank@decon.ca](mailto:frank@decon.ca)

Web: [www.deconusa.com](http://www.deconusa.com)

**Product:** Jordahl

**Description:** Decon® USA is the exclusive representative of Jordahl in North America. Hot rolled Anchor Channels are imbedded in concrete and used to securely transfer high loads. Their main application is for flexible connections of glazing panels to high-rise buildings. Anchor Channels with welded on rebar or corner pieces are available.

**Product:** Studrails®

**Description:** Decon® Studrails have become the North American standard for punching shear enhancement at slab-column connections. Studrails are produced to the specifications of ASTM A1044, ACI 318-08, and ICC ES 2494. Decon Studrails are also being increasingly used to reinforce against bursting stresses in banded post-tension anchor zones.

### The Dyson Corporation

Phone: 440-946-3500

Email: [mhiggins@dysoncorp.com](mailto:mhiggins@dysoncorp.com)

Web: [www.dysoncorp.com](http://www.dysoncorp.com)

**Product:** Structural Fasteners and Accessories

**Description:** Large structural fasteners and construction accessories including foundation and anchor rods, upset forgings, turnbuckles and clevises, pins, heavy hex nuts, free spinning lock nuts and other custom machined components.

### Hardy Frames, Inc.

Phone: 805-477-0793

Email: [dlopp@mii.com](mailto:dlopp@mii.com)

Web: [www.hardyframe.com](http://www.hardyframe.com)

**Product:** Hardy Frames, Inc.

**Description:** Hardy Frames, Inc. manufactures and markets the revolutionary Hardy Frame shear wall system which includes pre-fabricated shear wall panels and moment frames. The Hardy Frame system allows Building Designers to economically and safely minimize wall space and maximize wall openings while resisting high wind and earthquake loads.

### SAS Stressteel, Inc.

Phone: 973-244-5995

Email: [info@stressteel.com](mailto:info@stressteel.com)

Web: [www.stressteel.com](http://www.stressteel.com)

**Product:** Hot-rolled Fully Threaded Steel Bars

**Description:** Innovative products + solutions. SAS hot-rolled steel thread bar sizes from #6 to #24 in grades 80, 97, 150 and select 160ksi are used in a wide range of applications from rock + soil anchors to multi-bar caissons to high strength reinforcing steel systems for high-rise concrete structures.

### Simpson Strong-Tie



Phone: 925-560-9000

Email: [web@strongtie.com](mailto:web@strongtie.com)

Web: [www.strongtie.com](http://www.strongtie.com)

**Product:** Simpson Strong-Tie® Anchor Tiedown System (ATS)

**Description:** The ATS is an innovative solution for wood-frame multi-story construction. As a continuous rod system, the ATS anchors stacked shearwalls at each level while compensating for construction shrinkage and settling within the structure. It's now available in five and six-story runs and with an expanded line of shrinkage compensating devices.

### SYNTHEON Inc.

Phone: 888-992-2353

Email: [elemix@syntheoninc.com](mailto:elemix@syntheoninc.com)

Web: [www.elemix.com](http://www.elemix.com)

**Product:** Elemix® Concrete Additive

**Description:** Elemix concrete additive, a newly engineered lightweight synthetic particle that is code-compliant as validated by ICC-ES, has been specially formulated for use in concrete. Because the particles disperse evenly in the mix, reliable consistency and improved performance are achieved in lightweight structural concrete.