

Top Design Firms



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Following the Leaders

Innovative firms are striving to perfect the use of BIM and green building

By Joe Florkowski

Architects in California say factors such as building information modeling, green building and industry consolidation are changing the way they do business.

Design firms are finding they will need to offer more service, experience and increase in size to thrive in California. That service and experience may come either through hiring LEED-accredited professionals for green projects or by dipping a toe in the still uncharted waters of BIM.

For instance, Irvine-based Ware Malcomb has placed a big emphasis on having its project management teams become LEED-accredited, says CEO Larry Armstrong. At the same time, Ware Malcomb is preparing its staff to do BIM projects later this year, he adds.

“(BIM) is a freight train and it’s coming,” Armstrong says.

Peter Devereaux, president of Los Angeles-based Harley Ellis Devereaux, calls BIM “the wave of the future and it will transform our industry.”

BIM will first be done by large firms and eventually will force the industry to consolidate, he says.

Because of the investment required in BIM, design firms will need to merge to bring together the architecture, engineering and expertise to deliver such projects.

Ed Darden, principal with Fresno- >>



Larry Armstrong



Ed Darden

based Darden Architects, agrees that the increased use of tools like BIM will make it harder for the little guy to be a factor in design. "It's sad there isn't room for the little guy, but it's better in the long run for the profession," Darden says.

BIM also means that design firms will be looking for more experienced, licensed architects and that will mean less opportunities for the drafters and novice architects, Darden adds.



Kit Ratcliff

"Everywhere you will see people trying to hire licensed experienced architects," Darden says. "With BIM, there is no room at the bottom."

Finding experienced and qualified architects is a concern for Kit Ratcliff,

president of Emeryville-based Ratcliff.

There has been a 50% falloff in the last 10 years in U.S. licensed architects, Ratcliff says. "We are running out of architects," he adds.

And the architect shortage is coming at a time when architects need more experience to design using tools such as BIM, he says.

"Who is going to design these high-performance buildings?" Ratcliff adds.

Experience is also going to be a factor in how firms design buildings, Devereaux says.

Architects will need to start designing buildings that go beyond simply the interior and exterior, he adds. He says that experience-based design means architects will need to design a retail store as if they were a retailer or design a hospital as if they were a patient in the hospital.

Devereaux says that in the past design was often driven by cost, to give the owner

the most space for the least amount of cost.

Now designers need to start thinking like their clients and designing with a clients' need in mind, he adds.

"We have to provide an environment for the end user that exceeds their expectations," says Devereaux.

And designers are finding that in order to meet their clients' requirements, they must design more green projects.

Green building is not only on the mind of designers and builders, but now has reached the owners, says Ware Malcomb's Armstrong.



Peter Devereaux

"We appear to have reached a tipping point in corporate America," he adds.

In the Bay Area, a majority of Skidmore, Owings and Merrill's clients are pursuing sustainability, says Carrie Byles, managing partner in the San Francisco office.

One of the benefits of pursuing gold LEED certification in San Francisco is that you can move through the permit process faster, she says.



Carrie Byles

However, because so many projects are seeking gold LEED certification, it may ultimately end up not being that much faster than going through the

regular permit process, she adds.

What will be interesting is how buildings will be built using a combination of BIM and green building techniques, she says.

"These tools are helping us create sustainable buildings," Byles says. "When you are trying to prove your building is green, you can back it up with BIM."

Now that green building is here and everyone is aware of it, those firms who can provide sustainable services will gain a competitive advantage, says Devereaux.

"Sustainable design will be one more added incentive for firms to come together as full service," he adds. <<

2007 Top Architectural Firms in California

Rank	Name	Year Founded	Corporate Headquarters	2006 CA /2006 Worldwide Revenue
(revenue and project amounts are in the millions)				
1	Gensler Largest project in design: Port of Long Beach Administration Building; Long Beach \$300 General contractor: TBD Largest project under construction: The Ritz-Carlton and JW Marriott Hotel at L.A. Live and Ritz Carlton Residences at L.A. Live; Los Angeles \$650 General contractor: PCL Construction	1965	San Francisco	\$153/536
2	Kleinfelder Largest project in design: West Sacramento Levee; West Sacramento \$3.2 General contractor: TBD Largest project under construction: UC Davis Medical Center Surgery and Emergency Service Pavilion; Sacramento \$1.8 General contractor: Swinerton Builders	1961	San Diego	\$113/ 290
3	PB Largest project in design: San Francisco-Oakland Bay Bridge; San Francisco \$2,600 General contractor: American Bridge/Fluor Enterprises Largest project under construction: San Francisco-Oakland Bay Bridge; San Francisco \$2,600 General contractor: American Bridge/Fluor Enterprises	1885	New York City	\$90/1,689
4	KTGY Group, Inc. Largest project in design: Trestle Glen Apartments; San Mateo County \$30 General contractor: Segue Construction Inc. Largest project under construction: Platinum Centre (apartment complex); Anaheim \$85 General contractor: The Hanover Company	1991	Irvine	\$76.1/78
5	HMC Architects Largest project in design: Rancho Serrano High School; Corona \$110 General contractor: TBD Largest project under construction: Kaiser Downey Medical Center; Downey \$350 General contractor: McCarthy Building Cos.	1940	Ontario	\$70.4/75.3
6	Carter & Burgess, Inc. Largest project in design: University Town Center; La Jolla \$500 General contractor: Westfield Corp. Largest project under construction: Porterville Developmental Center; Porterville \$65 General contractor: Harris	1939	Fort Worth, TX	\$58.6/498
7	LPA, Inc. Largest project in design: East Natomas Educational Complex; Natomas \$120 General contractor: McCarthy Building Cos. Largest project under construction: 20 & 40 Pacifica (office towers); Irvine \$120 General contractor: McCarthy Building Cos.	1965	Irvine	\$52.8/53.5
8	NBBJ Largest project in design: Stanford Learning & Knowledge Center; Stanford \$N/A General contractor: Whiting-Turner Largest project under construction: Kaiser Permanente - Oakland Medical Center Replacement Hospital; Oakland \$N/A General contractor: McCarthy Building Cos.	1943	Los Angeles	\$46.1/51
9	Anshen + Allen Largest project in design: UCSF Mission Bay hospital; San Francisco \$900 General contractor: TBD Largest project under construction: Pomerado Hospital; San Diego \$209 General contractor: Rudolph and Sletten (construction manager)	1940	San Francisco	\$44.5/74.7
10	Hellmuth, Obata + Kassabaum, Inc. Largest project in design: Highland Hospital; Oakland \$300 General contractor: TBD Largest project under construction: Los Angeles County + University of Southern California Medical Center; Los Angeles \$500 General contractor: Clark Construction, Hunt Construction and McCarthy Building Cos. – joint venture NTDSTICHLER Architecture Largest project in design: Methodist Hospital of Southern California; North Tower Addition, Arcadia \$97 General contractor: TBD Largest project under construction: Del Norte High School; San Diego \$125 General contractor: Barnhart	1983 (Los Angeles office) 1953	St. Louis, MO San Diego	\$43/214 \$43/52.8
11	Chong Partners Architecture Largest project in design: Mission Bay, Block 26A (office development); San Francisco \$50 General contractor: Swinerton Builders Largest project under construction: Kaiser Permanente Vallejo Medical Center; Vallejo \$350 General contractor: McCarthy Building Cos.	1976	San Francisco	\$41.2/42.4

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12	McLarand Vasquez Emsiek & Partners, Inc. Largest project in design: Five Seven Centrum (master-planned mixed-use development that will feature commercial, entertainment, residential and retail components); Anaheim \$1,500 General contractor: TBD Largest project under construction: The Village at Irvine Spectrum (mixed-use development that features residential, retail and office components); Irvine \$500 General contractor: Western National	2000	Irvine	\$41/46
	Boyle Engineering Corp. Largest project in design: Cross Valley Canal Project; Bakersfield \$70 General contractor: Don Kelley Construction with supplemental portions done by Blois Construction and W.M. Lyles Largest project under construction: City of Filmore Water Recycling Plant; Filmore \$42 General contractor: W.M. Lyles	1942	Newport Beach	\$41/95.3
13	Nadel Architects Inc. Largest project in design: Avalon at South Bay (mixed-use development featuring residential and retail uses); Carson \$350 General contractor: TBD Largest project under construction: The Village at Sacramento Gateway (mixed-use development featuring office and retail uses); Sacramento \$125 General contractor: Opus West Construction Company	1973	Los Angeles	\$40/42
14	BKF Engineers Largest project in design: Lagoon Valley Development, 2,400-acre mixed-use development; Vacaville \$DND General contractor: Standard Pacific Homes Largest project under construction: Alameda NAS Fleet Industrial Supply Center and East Housing Redevelopment; Alameda \$200 General contractor: Cattelus Construction Corp.	1915	Pleasanton	\$38.9/38.9
15	Kaplan McLaughlin Diaz Largest project in design: Hoag Memorial Presbyterian Heart Hospital; Newport Beach \$340 General contractor: TBD Largest project under construction: Sutter Sacramento Regional Health Center; Sacramento \$386 General contractor: Turner Construction	1963	San Francisco	\$38/44
16	Ware Malcomb Largest project in design: Platinum Tower (office building); Anaheim \$DND General contractor: Swinerton Builders Largest project under construction: Pacific Life Insurance Company (office building); Aliso Viejo \$DND General contractor: Snyder Langston	1972	Irvine	\$37.5/43
17	RTKL Associates Inc. Largest project in design: LA Central (mixed-use development featuring residential, retail and hospitality); Los Angeles \$1,000 General contractor: Morley Construction Largest project under construction: LA Live! (mixed-use development featuring residential, retail, hospitality and theater); Los Angeles \$190 General contractor: Clark Construction	1946	Los Angeles	\$34/195
18	CO Architects Largest project in design: Palomar Medical Center West; Escondido \$478 General contractor: TBD Largest project under construction: Santa Monica - UCLA Medical Center/Orthopaedic Hospital; Santa Monica \$140 General contractor: Tutor-Saliba	1986	Los Angeles	\$30.9/34.4
19	Lionakis Beaumont Design Group Largest project in design: Sutter Memorial Hospital; Modesto \$130 General contractor: Did not list Largest project under construction: Sacramento Juvenile Hall; Sacramento \$58 General contractor: Broward Brothers	1909	Sacramento	\$30.2/30.2
20	Skidmore, Owings and Merrill LLP Largest project in design: Treasure Island Master Plan; San Francisco \$UNK General contractor: TBD Largest project under construction: Cathedral of Christ the Light; Oakland \$90 General contractor: Webcor Builders Project manager: Conversion Management Associates Inc.	1936	San Francisco Regional office	\$30/ DND
21	RBB Architects Inc. Largest project in design: Mercy Medical Center Replacement Hospital; Merced \$166 General contractor: McCarthy Building Cos. Largest project under construction: Mercy San Juan Medical Center; Carmichael \$100 General contractor: Turner Construction	1952	Los Angeles	\$28.1/28.1

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22	Zimmer Gunsul Frasca Architects LLP Largest project in design: University of California - Berkeley, Li Ka-Shing Center for Biomedical and Health Sciences; Berkeley \$100 General contractor: McCarthy Building Cos. Largest project under construction: Childrens Hospital Los Angeles, New Patient Tower; Los Angeles \$185 General contractor: Rudolph and Sletten	1988	Los Angeles Regional office	\$28/98
23	Perkowitz + Ruth Architects Largest project in design: Quarry Falls (mixed-use development featuring office, residential and retail uses); San Diego \$UNK General contractor: TBD Largest project under construction: The District at Tustin Legacy (retail shopping center); Tustin \$61 General contractor: Mercer Construction/ Culp Construction/ Lyle Parks Jr. Dahlin Group Architecture Largest project in design: University Villages (mixed-use project featuring retail and residential development); Marina \$DND General contractor: Shea/Centex Largest project under construction: Vidrio (mixed-use project featuring retail and residential development); Pittsburg \$100 General contractor: Johnstone Moyer, Inc.	1979	Long Beach	\$27/52
24	Harley Ellis Devereaux Largest project in design: San Diego Medical Examiner Facility; San Diego \$63 General contractor: Did not list Largest project under construction: Americana at Brand -mixed-use project; Glendale \$200 Construction manager: Bernards	1908	Los Angeles	\$26.3/70.5
25	Penfield & Smith Largest project in design: Riverpark (commercial and residential development); Oxnard \$UNK General contractor: Sukut Largest project under construction: Lewis Road Widening Project; Ventura County \$27 General contractor: Security Paving	1946	Santa Barbara	\$24.3/24.3
26	Carrier Johnson Largest project in design: Seventh and Market (mixed-use project featuring civic, hospitality, residential and retail components); San Diego \$300 General contractor: TBD Largest project under construction: Hard Rock Hotel; San Diego \$84 General contractor: Turner Construction	1977	San Diego	\$22.8/22.8
27	DES Architects + Engineers Largest project in design: Summit Rancho Bernardo; San Diego \$N/A General contractor: Rudolph and Sletten Largest project under construction: Moffett Towers; Sunnyvale \$N/A General contractor: Rudolph and Sletten	1973	Redwood City	\$22.7/22.7
28	Callison Largest project in design: Santa Ana MainPlace Mixed Use Project (featuring hospitality, office, residential and retail); Santa Ana \$500 General contractor: TBD Largest project under construction: GardenWalk (Mixed-use development featuring entertainment, hospitality and retail project); Anaheim \$150 (estimated) General contractor: Bayley	1975	Los Angeles Regional office	\$22/129.5
29	Johnson Fain Largest project in design: Constellation Park (residential development); Century City \$400+ General contractor: TBD Largest project under construction: LAUSD East Valley Middle School No. 1; Los Angeles \$50 General contractor: Bernards	1959	Los Angeles	\$21.7/23.5
30	MBH Architects Largest project in design: Bay Meadows (housing development); San Mateo \$DND General contractor: DND Largest project under construction: Marina University Village; Marina \$DND General contractor: DND	1989	Alameda	\$20.3/33.8
31	Dowler-Gruman Architects Largest project in design: Mission Bay, Block 26 (office and research building); San Francisco \$80 General contractor: Whiting-Turner Construction Largest project under construction: 409/499 Illinois (office and research building); San Francisco \$105 General contractor: Hathaway Dinwiddie	1995	Mountain View	\$19.5/19.5

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32	SB Architects Largest project in design: Hard Rock Hotel Palm Springs; Palm Springs \$140 Largest project under construction: Ritz-Carlton Rancho Mirage; Rancho Mirage \$200 General contractor: Ledcor Construction	1960	San Francisco	\$19.1/25.8
33	LEO A DALY Largest project in design: Harbor/UCLA Medical Center Surgery-Emergency Replacement Building; Torrance \$344 General contractor: TBD Largest project under construction: Tom Bradley International Airport Terminal Interior Renovation and Baggage Handling Facilities, LAX; Los Angeles \$575 General contractors: Clark Construction/McCarthy (joint venture)	1915	Los Angeles Regional office	\$19/140
34	Ratcliff Largest project in design: John Muir Medical Center; Walnut Creek \$435 Largest project under construction: Doe Library Annex - UC Berkeley; Berkeley \$39 General contractor: McCarthy Building Cos.	1906	Emeryville	\$17.3/17.4
35	MCG Architecture Largest project in design: Scott & Haun Commercial Retail Project; Riverside County \$50 Largest project under construction: The Fountains (lifestyle center with mixed-use component of hotel and office); Roseville \$100 General contractor: Moorefield Construction	1927	Pasadena	\$16/26
36	Cannon Design Largest project in design: Kaiser Permanente, Orange County Medical Center; Anaheim \$350 Largest project under construction: University of California, San Diego, Price Center Expansion; La Jolla \$48 General contractor: Mortenson	1945	Los Angeles and San Francisco Regional offices	\$15.6/130.3
37	BAR Architects Largest project in design: Anaheim Hills (mixed-use project featuring retail); Anaheim \$DND Largest project under construction: Northpark - The Sycamores (multi-family complex); San Jose \$110 (estimated) General contractor: Douglas Ross Construction	1966	San Francisco	\$15.1/17.6
38	HKS Inc. Largest project in design: Lennar A-Town (mixed-use condominium residential project with retail); Anaheim \$120 General contractor: Webcor Largest project under construction: W Hollywood/Hollywood & Vine Apartments; Hollywood \$360 General contractor: Webcor Builders	1987	Dallas, TX	\$14.9/320
39	Thomas P. Cox: Architects, Inc. Largest project in design: 1540 N. Vine Street (Mixed use development featuring residential and retail); Hollywood \$127 General contractor: Pankow Builders Largest project under construction: Miracle Mile - 5550 Wilshire Boulevard (Mixed-use development featuring residential and retail); Los Angeles \$78 General contractor: American Constructors	1993	Irvine	\$14.5/14.6
	Architects Orange Largest project in design: Panama Grove Retail Center; Bakersfield \$60 (estimated) General contractor: Intertex Companies Largest project under construction: Archstone Gateway Apartments; Orange/Anaheim \$250 (estimated) General contractor: Archstone Builders Inc.	1974	Orange	\$14.5/14.5
40	Lee, Burkhart, Liu Largest project in design: U.S. Department of Veterans Affairs, VA Long Beach Medical Center, Blind Rehabilitation Center, Outpatient Clinic and Educational Resource Center; Long Beach \$94.2 Largest project under construction: Los Angeles County + University of Southern California Medical Center; Los Angeles \$560 General contractor: Clark Construction, Hunt Construction and McCarthy Building Cos. – joint venture	1986	Marina del Rey	\$14/14

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41	Nichols, Melburg & Rossetto Architects Largest project in design: Temecula Civic Center; Temecula \$DND General contractor: TBD Largest project under construction: Feather River Hospital; Paradise \$DND General contractor: John F. Otto	1966	Redding	\$12/\$12
	JCJ Architecture Largest project in design: Pala Resort; Pala \$125 General contractor: Swinerton Builders Largest project under construction: Valley View Resort; Valley Center \$45 General contractor: Kitchell Corp.	1936	San Diego Regional office	\$12/48
42	Darden Architects Inc. Largest project in design: Fresno Pacific University Five-year Plan; Fresno \$100 General contractor: TBD Largest project under construction: Clovis North Educational Center; Clovis \$129.6 Construction manager: Harris Construction	1959	Fresno	\$11.6/11.6
43	Loving and Campos Architects Inc. Largest project in design: Oakland High School Renovation; Oakland \$10.4 General contractor: TBD Largest project under construction: San Marco Luxury Apartments; Pittsburg \$80 General contractor: Discovery Builders	1974	Walnut Creek	\$10.8/10.8
44	TAYLOR Largest project in design: Scripps Memorial Hospital Seismic Retrofit Program; La Jolla \$UNK General contractor: TBD Largest project under construction: Miller Children's Hospital Pavilion and Expansion; Long Beach \$130 General contractor: Turner Construction	1979	Newport Beach	\$10.6/10.6
45	Rainforth Grau Largest project in design: Mather High School/Morrisa Creek Middle School; Rancho Cordova \$160 General contractor: Roebbelen Construction Management Services Largest project under construction: Vista del Lago High School; Folsom \$96 General contractor: Roebbelen Construction Management Services	1984	Sacramento	\$10.2/10.2
46	SMWM Largest project in design: Piers 27-31; San Francisco \$250 General contractor: TBD Largest project under construction: Mission Bay Biotech Building; San Francisco \$ Client does not wish to disclose General contractor: Client does not wish to disclose	1985	San Francisco	\$9.4/9.8
47	Wald, Ruhnke & Dost Architects, LLP Largest project in design: 5 Lower Ragsdale Expansion (medical office expansion); Monterey \$16 General contractor: TBD Largest project under construction: Tynan Village; Salinas \$N/A General contractor: N/A	1963	Monterey	\$9.1/9.1
48	Rauschenbach Marvelli Becker Largest project in design: Rocklin Marketplace; Rocklin \$43 General contractor: TBD Largest project under construction: Lincoln Crossing Marketplace; Lincoln \$50 General contractor: Saca Builders	1984	Sacramento	\$8.4/8.4
49	RNL Largest project under design: DND Largest project under construction: City of Fontana Library, Resource Technology Center and Auditorium; Fontana \$41 General contractor: Barnhart, Inc.	1956	Los Angeles	\$7.6/30.6
50	VBN Architects Largest project in design: Silicon Valley Rapid Transit Rail Stations; Santa Clara County \$4 General contractor: TBD Largest project under construction: West Dublin-Pleasanton BART Station; Pleasanton \$40 General contractor: Shimmick Construction	1958	Oakland	\$7.5/7.5
	Wolcott Architecture + Interiors Largest project in design: Mitchell Silberberg & Knupp LLP; Los Angeles \$9 General contractor: TBD Largest project under construction: Transamerica; Los Angeles \$11 General contractor: Turelk, Inc.	1975	Culver City	\$7.5/7.5

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51	ANOVA Architects, Inc. (Merger of Murray & Downs and Oshima & Yee) Largest project in design: Marshall Hospital New Acute Care Wing; Placerville \$40 General contractor: Carter Kelly, Inc. Largest project under construction: New Dixon High School; Dixon \$63 General contractors: Clark & Sullivan/Broward Brothers Inc. (joint venture)	1985/1968	Placerville/Sacramento	\$7.2/7.2
52	Sasaki Associates Inc. Largest project in design: Cal Poly Pomona Residential Suites; Pomona \$63 Largest project under construction: UC Riverside Arroyo Student Housing; Riverside \$43 General contractor: ProWest Constructors	1952	San Francisco	\$6.9/56
53	BCA Architects Largest project in design: Christopher High School; Gilroy \$110 (Estimated) Largest project under construction: Downer Elementary School; San Pablo \$22 General contractor: Gilbane Construction General contractor: West Bay Builders	1989	Fremont	\$6.8/6.8
54	WD Partners Largest project in design: The Home Depot; Moorpark \$26 (estimated) Largest project under construction: The Home Depot; Compton \$17 General contractor: TBD General contractor: CSI	1968	Irvine	\$6.6/68.4
	Graham Downes Architecture Largest project in design: N/A Largest project under construction: Hard Rock Hotel; San Diego \$96 General contractor: Turner Construction	1994	San Diego	\$6.6/9.8
55	POLLACK Architecture Largest project in design: Mellon Financial Corporation; San Francisco \$N/A General contractor: N/A Largest project under construction: Salesforce.com; San Mateo \$N/A General contractor: N/A	1985	San Francisco	\$6.5/7.4
56	Boulder Associates, Inc. Largest project in design: Eisenhower Ambulatory Care Center; La Quinta \$25.8 Largest project under construction: Sutter Medical Foundation - 600 Coffee Road Medical Office Building; Modesto \$36 General contractor: CT Brayton & Sons	1983	Sacramento	\$6.3/12
57	GreenbergFarrow Largest project in design: Indio Towne Center (retail shopping center); Indio \$50 (estimated) Largest project under construction: Orchard - Stone Creek (retail shopping center); Murrieta \$35 (estimated) General contractors: Heil Construction and Segni Construction	1974	Irvine	\$6.2/47.5
58	Dreyfuss & Blackford Architects Largest project in design: Cal ISO Headquarters; Folsom \$100 Largest project under construction: South Placer Courthouse; Rocklin \$25 General contractor: TBD General contractor: J.B. Company	1950	Sacramento	\$6/6
59	Watry Design Inc. Largest project in design: The Historic Guasti District (Parking structures for mixed use development); Ontario \$55 Largest project under construction: John Muir Medical Center Parking Structure; Walnut Creek \$35 General contractor: TBD General contractor: BN Builders	1975	Redwood City	\$5.9/N/A
60	Bull Stockwell Allen Architects Largest project in design: Squaw Creek Phase II (residential and hospitality development); Squaw Valley \$160 General contractor: TBD Largest project under construction: Santa Rosa Junior College Bertolini Student Center; Santa Rosa \$35 General contractor: TBD	1968	San Francisco	\$5/N/A
61	MSA Architecture and Planning Largest project in design: Multiple telecommunications projects \$170,000 per site Largest project under construction: Multiple telecommunications projects \$170,000 per site	2002	Santa Ana	\$4.7/N/A

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62	Beverly Prior Architects Largest project in design: Child Development Center at Las Positas Community College; Livermore \$14 General contractor: TBD Largest project under construction: Balboa High School; San Francisco \$12 General contractor: Arntz Builders	1986	San Francisco	\$4.1/4.1
63	TSAO Design Group Largest project in design: West Gate Center; San Leandro \$1.1 General contractor: TBD Largest project under construction: Best Buy store; Sherman Oaks \$18.5 General contractor: Magnum Enterprises Inc.	1981	San Francisco	\$3.7/4.5
64	RJC Architects Largest project in design: San Diego County Government Operations Center; San Diego \$373 General contractor: Roel Construction Largest project under construction: Rowland Hall Renovations, UC Irvine; Irvine \$22 General contractor: Soltek Pacific	1991	San Diego	\$3.3/3.3
65	Roshanian and Associates, Inc. Largest project in design: LAUSD Central Region High School #13; Los Angeles \$147 General contractor: TBD Largest project under construction: Central Los Angeles High School No. 9 (Performing arts center); Los Angeles \$160 General contractor: PCL Construction Shubin + Donaldson Architects Largest project in design: Private residence; Santa Barbara \$7.5 General contractor: TBD Largest project under construction: Saatchi & Saatchi (office development and tenant improvements); Los Angeles \$5 General contractor: Sierra Pacific Constructors	1988	Los Angeles	\$3/3
66	DeStefano + Partners, Ltd. Largest project in design: Glass Tower (residential condominium tower); Los Angeles \$60 Construction manager/preconstruction services: Tishman Construction Largest project under construction: Concerto (residential condominium tower); Los Angeles \$170 General contractor: Astani Enterprises Construction manager: Webcor	1988	Los Angeles	\$2.8/22.2
67	Cuschieri Horton Architects Largest project in design: San Ramon Regional Medical Center Orthopedic Hospital; San Ramon \$15 (estimates) General contractor: TBD Largest project under construction: Santa Clara Valley Medical Center; San Jose \$12.5 General contractor: XL Construction	1999	San Jose	\$2.7/2.7
68	Fentress Architects Largest project in design: Sacramento International Airport Terminal B Modernization; Sacramento \$750 General contractor: TBD Largest project under construction: Pasadena Center Expansion; Pasadena \$122 General contractor: Clark Construction McCall Design Group Largest project in design: West Elm; Emeryville \$7 General contractor: TBD Largest project under construction: Victoria's Secret; Arcadia \$5 General contractor: ICE Builders	1980	Denver, CO	\$2.5/30.4
69	Lehrer Architects LA Largest project in design: Rustic Canyon Residence; Santa Monica \$13 General contractor: Horizon General Contractors Largest project under construction: Registrar recorder/county clerk service center; Santa Fe Springs \$5 General contractor: MTM Construction, Inc.	1985	Los Angeles	\$2/2
70	Parallax Associates Largest project in design: Berkeley Hall School - Arts and Science and Building; Los Angeles \$DND General contractor: Del Amo Construction, Inc. Largest project under construction: Sierra Canyon School - Science and Humanities Building; Chatsworth \$DND General contractor: Del Amo Construction, Inc.	1996	Culver City	\$1.2/1.2

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71	Sfeir Architecture Largest project in design: Santa Rosa Medical Plaza; Murrieta Largest project under construction: N/A	2002	San Diego	\$1.1/1.1
	Townsend Architectural Group Largest project in design: The Lifehouse Church; Loomis Largest project under construction: Progressive Community Church; Stockton	2001	Porterville	\$1.1/1.1
72	Steven Lombardi Architect Largest project in design: "Beach Living"(residential project); Ocean Beach Largest project under construction: Santa Monica Mixed Use Project (office and residential uses); Ocean Beach	1987	San Diego	\$1/1
73	Avila Design, Inc. Largest project in design: Food/beverage/retail concessions at Oakland International Airport Terminal 1; Oakland Largest project under construction: Food/beverage/retail concessions at Oakland International Airport Terminal 2; Oakland	1992	Berkeley	\$.9/.9
74	OJMR Architects, Inc. Largest project in design: The Cameron (mixed-use development featuring residential and retail); Palm Springs Largest project under construction: High cliff residence; Orange County	1991	Los Angeles	\$.8/.8

Methodology: DND= Did not disclose. TBD= To be determined. N/A = Not available UNK = Unknown

Ranking was based on information submitted in July and August; firms are ranked by 2006 revenue. Firms were ranked by the amount of business their California offices did. Worldwide revenue is included but is not ranked. For more information, contact Joe Florkowski at (626) 932-6171 or by e-mail at joe_florkowski@mcgraw-hill.com