

# BUILDING DESIGN<sup>®</sup> + CONSTRUCTION

WHERE  
TECHNOLOGY  
AND INNOVATION  
COLLIDE

JULY/AUGUST 2020

## GIANTS 400 REPORT

AEC Giants Talk COVID-19,  
Technology, and the Future  
of the Built Environment

23

 SEC HORIZON

NORTHEASTERN UNIVERSITY  
SCIENCE AND ENGINEERING  
COMPLEX, BOSTON, MASS.

2020

# Giants

400

## HOW WE GET THE DATA

Data for our Giants 400 charts is based on information supplied by the respective firms. Firms are asked to verify the accuracy of their data.

The Construction section includes two types of statistics. The Contractors chart reflects revenues for general contracting, design-build, CM at risk, and IPD—projects where all revenues flow through the contractor. The CM Agent + PM chart lists firms that derive their revenues through fees. In the market-specific sections (Hotels, Retail, etc.) data labeled “Construction” includes all delivery methods.

Designed by BIG and Leo A Daly, with Gilbane Building Company as CM at-risk, the Arlington (Va.) Public Schools Heights Building features a cascading design that is meant to connect and encourage collaboration among the school's vertical spaces and different educational programs. The 181,800-sf school includes four terraces, a green roof, classrooms, labs, music rooms, gym, cafeteria, media center, and auditorium.

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# NEW DEVELOPMENTS AT 76 DESIGN FIRMS

BY ROBERT CASSIDY, EXECUTIVE EDITOR

- **AECOM** Patented new water treatment solution, DE-FLUORO (destroys PFAS contaminants).
- **ALLIANCE** Used gaming strategies to develop a Design Innovation Resources Game and an Innovation Game.
- **ARRAY ARCHITECTS** Released Net Demand Calculator (aligns healthcare system's resources with actual need).
- **BALLINGER** Developed novel structural solution for UMichigan's Kraus Building.
- **BSB DESIGN** Formed new structural engineering group.

## ARCHITECTURE FIRMS | TOP 90

Rank	Company	2019 Architecture Revenue	Rank	Company	2019 Architecture Revenue	Rank	Company	2019 Architecture Revenue
1.	Gensler	\$1,524,563,403	31.	HLW	\$55,000,000	61.	WDG Architecture	\$30,800,000
2.	Perkins and Will	\$670,322,000	32.	VLK Architects	\$54,628,180	62.	Array Architects	\$30,700,000
3.	HKS Architects*	\$431,244,000	33.	Ayers Saint Gross	\$53,622,118	63.	HBG Design	\$29,647,000
4.	Perkins Eastman	\$274,710,000	34.	Handel Architects	\$53,344,494	64.	GBBN	\$28,700,000
5.	NBBJ	\$220,500,000	35.	Fentress Architects	\$52,700,000	65.	Orcutt   Winslow	\$28,200,000
6.	Nelson Worldwide	\$219,954,000	36.	Shepley Bulfinch	\$52,525,655	66.	GGLO	\$27,795,524
7.	Corgan	\$208,746,683	37.	Quinn Evans	\$50,964,432	67.	Alliance	\$27,562,495
8.	PGAL	\$201,913,000	38.	Diamond Schmitt Architects	\$50,271,295	68.	FGM Architects	\$26,879,516
9.	ZGF Architects	\$201,141,087	39.	DGA	\$50,015,644	69.	Zyscovich Architects	\$26,812,414
10.	KPF*	\$172,536,000	40.	Ratio Architects	\$47,296,578	70.	AHL	\$26,765,174
11.	Interior Architects	\$165,366,435	41.	Eppstein Uhen Architects (EUA)	\$46,677,000	71.	Quattrocchi Kwok Architects	\$26,500,000
12.	HNTB Corporation	\$128,636,728	42.	Wilson Associates	\$45,000,000	72.	FCA	\$26,301,450
13.	HMC Architects	\$112,327,528	43.	BHDP Architecture	\$43,978,941	73.	Dattner Architects	\$26,040,480
14.	Cunningham Group Architecture	\$94,123,716	44.	MBH Architects	\$43,947,000	74.	Rule Joy Trammell + Rubio	\$26,002,138
15.	Cooper Carry	\$92,702,155	45.	RBB Architects	\$42,600,000	75.	SLCE Architects	\$26,000,000
16.	KTGY Architecture + Planning	\$89,423,409	46.	NAC Architecture	\$41,501,278	76.	HuntonBrady Architects	\$24,990,400
17.	Elkus Manfredi Architects	\$86,500,000	47.	TreanorHL	\$41,486,000	77.	Carrier Johnson + Culture	\$24,347,709
18.	WATG	\$85,193,361	48.	BWBR	\$41,180,000	78.	Davis Brody Bond	\$24,098,516
19.	Hord Coplan Macht	\$84,741,918	49.	Mithun	\$41,135,004	79.	Harvard Jolly Architecture	\$23,900,681
20.	LS3P	\$81,755,571	50.	Niles Bolton Associates	\$41,016,024	80.	RDC / Studio One Eleven	\$23,275,214
21.	Solomon Cordwell Buenz (SCB)	\$77,127,737	51.	WLC Architects	\$40,593,271	81.	SchenkelShultz Architecture	\$22,978,557
22.	Moseley Architects	\$72,320,810	52.	Steelman Partners	\$38,900,000	82.	Taylor Design	\$22,245,000
23.	Payette	\$68,980,100	53.	Sasaki	\$37,375,697	83.	Legat Architects	\$22,229,000
24.	Ennead Architects	\$64,189,600	54.	Ted Moudis Associates	\$36,000,000	84.	M+A Architects	\$21,827,960
25.	TPG Architecture	\$63,530,000	55.	FXCollaborative	\$35,843,592	85.	Huntsman Architectural Group	\$20,314,198
26.	Moody Nolan	\$62,107,000	56.	Vocon	\$35,000,000	86.	Fogarty Finger Architecture	\$19,825,000
27.	Kirksey Architecture	\$61,840,345	57.	Smallwood	\$32,652,632	87.	Champlin Architecture	\$19,731,252
28.	JCJ Architecture	\$57,788,471	58.	G70	\$32,314,000	88.	JLG Architects	\$19,512,127
29.	CBT	\$57,762,185	59.	Goettsch Partners	\$31,890,000	89.	Spiezle Group	\$19,237,000
30.	LMN Architects	\$56,300,000	60.	Grimm + Parker Architects	\$31,268,478	90.	GWWO Architects	\$19,236,153

SOURCE: BD+C 2020 GIANTS 400 REPORT • EDITORS' ESTIMATE

- **CALLISONRTKL** Kelly Farrell named CEO/President.
- **CARRIER JOHNSON + CULTURE** New office: Seattle. Targeting private-sector higher education and large-scale urban municipal projects.
- **CBT** Developed prototype single-person housing pod (Bequall) for the homeless.
- **COOPER CARRY** Celebrating 60th anniversary in 2020.
- **CORE STATES GROUP** Acquired C.M. Architecture. Catherine Pafford made Director of Architecture–Retail/Convenience.
- **CORGAN** New office in Chicago to support O’Hare airport ORD21 program.
- **CORTLAND** Acquired Pure Multi-Family apartment REIT.
- **CPL** Implemented BQE Core project management.
- **CRAWFORD ARCHITECTS** P3 projects for UC Merced and Aloha Stadium, Hawaii.
- **CUNINGHAM GROUP ARCHITECTURE** Christine Cavataio named President/COO. Conducted research on gender-neutral restrooms in K-12 schools.
- **DATTNER ARCHITECTS** New Director of Interiors: Benedetto Di Luzio.
- **DAVIS, BOWEN & FRIEDEL** Created in-house UAV service.
- **DIAMOND SCHMITT ARCHITECTS** Named new directors: Claudia Cozzitorto (design technologies), Rod Maas (technical).
- **DLR GROUP** Developing Healthy Strategies pilot for the GSA. Expanded its Healthy Space research.

- **ELKUS MANFREDI ARCHITECTS** Developed new technology to generate improved 3D models from aerial photogrammetry.
- **EUA** Named Heather Tuner Loth Workplace Strategy Leader. New Industrial Market Leader: Chris Johns.
- **FITZGERALD** Celebrated its centennial (2019). Kathy Graham named COO.
- **FXCOLLABORATIVE** Promoted Alexandra Pollock to Chief Technology Officer.
- **GENSLER** Created “Coordinates Collection” brand quartz countertops with manufacturer Cambria.
- **GGLO** New office: Boise, Idaho. Launched Technology Innovation Grants program for employees.
- **GHAFARI** Invested in experiential design agency Eview 360.
- **GOODWYN, MILLS AND CAWOOD** New office: Tampa, Fla. Acquired Bay Design Associates Architects and HMR Engineers.
- **GREENBERGFARROW** New Managing Director for Building Engineering: Donna Miller, PE, PEng.
- **HDR** Acquired Hurley Palmer Flatt Group, London. Designed 3D-printed apartment module to combat homelessness in Los Angeles.
- **HED** Merged with Integrated Design Group (Boston, Denver). New National Engineering Practice Leader: Kenneth Golovko.
- **HGA** Co-designed STAAT Mod prefab temporary care module with The Boldt Company,

Tweet/Garot, Faith Technologies, and IMEG.

- **HLW** New HQ: 5 Penn Plaza, NYC. Launched new technology team, NEXT.
- **HMC ARCHITECTS** New practice leaders: Brian Meyers (Pre-K12), Chris Naughton (healthcare).
- **HOK** Published two research reports on neurodiversity in the workplace.
- **HUCKABEE** Expanding its presence in early education, higher ed, and adult ed.
- **INTERIOR ARCHITECTS** New offices in Minneapolis and Dublin, Ireland. New Hospitality Leader: Veronica Givone. Launched Harbor@Work workplace experience app.
- **JCJ ARCHITECTURE** Expanded into Las Vegas and Tulsa.
- **KIMLEY-HORN** New office: Seattle.
- **KIRKSEY** Launched Building Physics Team.
- **KTGY ARCHITECTURE + PLANNING** Moved into larger office in Chicago. Named three new shareholders: Nathan Sciarra, Ryan Flautz, and Ben Kasdan.
- **LARSON DESIGN GROUP** New CEO: David Martin. New office: Harrisburg, Pa. Launched three-year strategic plan, “Ignite 2022.”
- **LEGAT ARCHITECTS** Hosted 5th annual Think Tank, on climate change and income disparity.
- **LEO A DALY** New Directors: Kimberly R. Cowman (engineering); Ellen Mitchell-Kozack (sustainability); Chia-Lung Chang (planning/urban design).

See the full  
**GIANTS 400**  
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- **LITTLE** Relocated HQ office (Charlotte, N.C.) to LEED/Well-certified space. Delivered first net-positive project. Won Architecture at Zero Competition.
- **LMN ARCHITECTS** 40th anniversary (2019). Fabricated 15 Post Occupancy Data Devices (PODDs) for measuring indoor quality factors.
- **MITHUN** Acquired higher education firm Schacht Aslani Architects. Designing five all-electric affordable apartment projects in San Francisco.
- **MOSELEY ARCHITECTS** New office: Charleston, S.C.
- **NBBJ** Acquired experience design studio ESI Design.
- **NILES BOLTON ASSOCIATES** Acquired Dye Aviation Facilities. Developed CLT apartment prototype with MIT.
- **PAYETTE** “Pulse” proprietary interactive space survey tool solicits client/user feedback.
- **PERKINS EASTMAN** Issued 13-point plan to cut COVID-19 deaths in nursing homes.
- **PERKINS AND WILL** Devised DOME (domeunit.com), an interim/emergency sleeping unit for the homeless.
- **POPULOUS** Completed the first purpose-built, retractable-field stadium for the National Football League in Europe.
- **PRELLWITZ CHILINSKI ASSOCIATES** DiAnn

Mroszczak named Sustainability Director.

- **QUATTROCCHI KWOK ARCHITECTS** Founder Mark Quattrocchi elevated to AIA College of Fellows. Formed ESOP.
- **QUINN EVANS** Developed tool to integrate geographic data with BIM models for historic building projects. Joined AIA Large Firm Roundtable.
- **RATIO** Acquired Humphries Poli Architects (Denver).
- **RDG PLANNING & DESIGN** Renovated its Des Moines, Iowa, office to WELL certification standard.
- **SASAKI** Achieved ILFI JUST label for social justice effort.
- **SCB** New office: Seattle; first project: 27-story condo tower.
- **SHEPLEY BULFINCH** New office: Hartford, Conn.
- **S/L/A/M COLLABORATIVE**

Developed Med Ed Planning App (for designing medical schools). Designed Rutgers U's first net-zero building.

- **SLCE ARCHITECTS** Implemented BQE Core project management software.
- **SMITHGROUP** Alexis Kim named Workplace Leader. New offices: Denver, Milwaukee. Designing first academic building on Virginia Tech Innovation Campus, Alexandria, Va.
- **SOM** Introduced new concrete platform: Stereiform Slab (uses 20% less concrete). Teamed with Italian lighting designer Neri on Nebula outdoor lighting collection. Redesigned four offices to reduce overall firm carbon footprint. New Chief Technology Officer: Rob DeMillo.
- **STANTEC** Acquired Wood &

Grieve Engineers, Australia.

- **STEVENS & WILKINSON** Celebrated its 100th anniversary in 2019. Using Google cardboard VR viewers and IrisVR's Scope to facilitate design experience.
- **TPG ARCHITECTURE** New Director of Strategy: Tim Mok.
- **TREANORHL** New office: Boise, Idaho. Joined 1+ (1% of staff time for pro bono work).
- **VOCON** Tom Vecchione, new Partner/Principal for NYC.
- **WARE MALCOMB** Elevated Lawrence Armstrong to Chairman, Kenneth Wink to CEO, Jay Todisco to President. New offices: Dallas, Toronto, Washington, D.C.
- **WDG ARCHITECTURE** Managing Principal (BD+C "40 Under 40") Sean Stadler named to AIA College of Fellows.

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- **WEBER THOMPSON** Designer, Living Stone Office Building, Seattle: Living Building Pilot Program (v5, 2018).
- **WLC ARCHITECTS** Designing Elizabeth Learning Center Comprehensive Modernization Project for Los Angeles USD.
- **WSP** New President & CEO: Lewis Cornell; new COO: Rich Driggs.
- **ZGF ARCHITECTS** Developed LCA calculator to determine life cycle impact of various concrete mixes vs. regional baselines set by the National Ready-Mix Concrete Association.

For the full **Giants 400** rankings and bonus categories, visit: [BDCnetwork.com/Giants2020](http://BDCnetwork.com/Giants2020).

**ARCHITECTURE/ENGINEERING FIRMS TOP 66**

Rank	Company	2019 Arch/Eng Revenue	Rank	Company	2019 Arch/Eng Revenue	Rank	Company	2019 Arch/Eng Revenue
1.	Stantec	\$761,250,364	23.	Huckabee	\$83,961,669	45.	Cuhaci & Peterson	\$32,805,510
2.	HDR	\$561,400,000	24.	Humphreys & Partners Architects	\$76,817,231	46.	Bergmann	\$32,400,000
3.	HOK	\$485,000,000	25.	Clark Nexsen	\$76,590,000	47.	BKV Group	\$31,920,402
4.	Skidmore, Owings & Merrill	\$382,570,545	26.	EwingCole	\$75,900,000	48.	Hoefer Wysocki	\$30,965,000
5.	CallisonRTKL	\$355,622,236	27.	RS&H	\$74,700,000	49.	Kahler Slater	\$30,914,969
6.	SmithGroup	\$290,344,747	28.	Wold Architects and Engineers	\$66,500,000	50.	GFF	\$30,081,953
7.	DLR Group	\$270,322,000	29.	Core States Group	\$65,980,000	51.	Adrian Smith + Gordon Gill Architecture	\$30,014,368
8.	IBI Group*	\$258,720,000	30.	Little Diversified Architectural Consulting	\$62,558,375	52.	Baskervill	\$29,130,171
9.	CannonDesign	\$235,000,000	31.	RSP Architects	\$56,341,000	53.	Sheehan Nagle Hartray Architects (SNHA)	\$28,115,000
10.	Populous	\$225,115,570	32.	Ballinger	\$54,964,545	54.	Wendel	\$25,144,648
11.	EXP	\$204,763,399	33.	E4H Environments for Health Architecture	\$54,000,000	55.	Lawrence Group	\$24,965,100
12.	Page	\$193,000,000	34.	S/L/A/M Collaborative, The	\$53,648,000	56.	DLZ Corporation	\$24,064,500
13.	HGA	\$152,724,962	35.	Goodwyn, Mills and Cawood	\$51,530,220	57.	GMB Architecture + Engineering	\$23,223,907
14.	Ware Malcomb	\$129,114,750	36.	BSA LifeStructures	\$49,639,534	58.	Barge Design Solutions	\$22,268,972
15.	PBK	\$128,700,000	37.	GreenbergFarrow	\$48,000,000	59.	Hollis + Miller Architects	\$21,923,892
16.	EYP Architecture & Engineering	\$127,096,262	38.	AE7	\$46,878,655	60.	Clark Enersen Partners, The	\$20,529,244
17.	NORR*	\$108,775,000	39.	RDG Planning & Design	\$40,647,000	61.	Stevens & Wilkinson	\$20,506,000
18.	HED	\$104,000,000	40.	WD Partners	\$40,200,000	62.	Aria Group Architects	\$20,100,000
19.	Flad Architects	\$102,600,000	41.	Progressive AE	\$39,331,593	63.	SWBR	\$19,590,432
20.	LPA	\$102,031,001	42.	CESO	\$36,567,217	64.	Whitman Requardt and Associates	\$19,576,534
21.	Gresham Smith*	\$89,760,000	43.	CPL	\$36,189,853	65.	LK Architecture	\$19,100,000
22.	Leo A Daly	\$89,188,739	44.	H2M Architects + Engineers	\$34,016,838	66.	TETER	\$18,533,834

SOURCE: BD+C 2020 GIANTS 400 REPORT \*EDITORS' ESTIMATE