Education Experience

CONXTECH

conxtech.com/conx-portfolio/education



The Structural Steel Building System That is Simply Better for Institutional Projects.

ConXtech[®] is a building technology company that offers an innovative, mass customizable, structural steel framing system. Often referred to as a "Full-Scale Erector Set," ConXtech enables rapid design and delivery of robust, yet affordable steel structures that meet even the most demanding seismic design and building code requirements. ConXtech provides both fabrication and erection services and has access to a global network of ConXtech Fabricators & Erectors.

For nearly two decades, ConXtech has teamed with high-profile clients to design and deliver innovative structures that improve safety and accelerate schedules while reducing Total Installed Costs (TIC).

We Are Conxtech



CONXTECH







About The ConXLTM System

Proven Technology

ConXtech has designed and delivered over 10 million square feet of ConX System structure over the last five years. The system is manufactured in an AISC Fabricator Certified Plant. The design, system and plant have undergone extensive peer reviews, full scale testing and the scrutiny of some of the world's most respected seismic and structural engineers.





Predictable Delivery

ConXtech integrates a systemized approach to building design by utilizing standard structural components. The result is a simple and robust structural chassis that enhances aesthetic design freedom and meets even the most demanding structural criteria. Our systemized approach enables predictable delivery and quality through unprecedented dimensional tolerances inherent in the system.

Turnkey Approach





Design

- In-House professional engineering capacity offers robust design-assist support from concept though plan check
- · Standardized connection design allows engineers to focus

Fabricate





CONXL Collar



- Specialized fixturing = fewer defects Reduced inspection costs
- High-Accuracy fabrication yields precision fit in the field
- Flexible fabrication capabilities across multiple locations

Erect

- 2x 5x faster assembly than other construction methods
- 50% reduction of field labor for "assembly" of structure
- · Reduced risk for client
- · Rapid turn-over of critical path

Technical Summary: OSHPD Approval

Approval Process

The ConXL connection is qualified as a Special Moment Frame connection for use in hospital environments with the California Office of Statewide Health Planning and Development (OSHPD).

OSHPD observed the successful completion of three full scale biaxial tests, which met OSHPD's test protocol designed specifically for ConXtech's connection. ConXtech also completed 3 additional tests following this protocol for AISC CPRP qualification. This qualification is unique as no other steel moment frame has undergone cyclic testing while simultaneously being subjected to a constant orthogonal load equal to 100% of the probable maximum moment (Mpr) of the primary beams. This unprecedented bi-axial testing proved the unique capabilities of the ConXtech moment connection, the only standardized true bi-axial moment connection in the steel framing market today.

Applied Column Load vs. Interstory Drift Angle W30x108xRBS - BOX16x16x1.25



Applied Column Load vs. Interstory Drift Angle Concrete-Filled PJP BOX 16x16x1.25 with Thickened Haunch at Base



AISC Pre-Qualified Connection



I

Technical Summary

ConXtech's ConXL connection has been through a rigorous qualification review process conducted by the AISC 358 - Connection Prequalification Review Panel (CPRP). ConXL was approved through this process and has been incorporated as Chapter 10 in the 2010 AISC 358 code book, Pre-qualified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications.

ConXtech completed six successful tests of its moment connection for the CPRP under the unprecedented biaxial test protocol which subjected the ConXL connection to the typical Seismic Provisions cyclic loading while simultaneously subjecting the connection to a constant orthogonal load equal to 100% of the probable maximum moment (Mpr) of the primary beams. No other steel framing connection has been subjected to this type of loading as the ConXtech connections are the only standard bi-axial steel moment connections in the market today.

AISC's CPRP reviews connection test data and pre-qualifies connections in accordance with the AISC Seismic Provisions. The connections that gain approval of the AISC CPRP reviews are considered a pre-qualified connection standard. A moment connection pre-qualified by the AISC CPRP provides the most recognized and direct method of satisfying the Seismic Provision's conformance demonstration requirements for SMF and IMF connections and simplifies the project approval process for this class of buildings.





Is an AISC Prequalified Connection for Special and Intermediate Steel Moment Frames for Seismic Applications

ConXtech vs. Conventional Construction:

- Magnitude of savings is proportionate to magnitude of project
- On average, Conxtech is 67% faster





Time is Money:

• Savings from Financing & Bump from Early Revenue



Factory & Jobsite Integration

Benefits	
Increased Labor Productivity	
Less Waste	
Highly Skilled Workforce	
Improved Jobsite Efficiency	
Quality Control	
Advanced Technology	



Source: McGraw Hill

Onsite

End-to-end LEAN process, from manufacturing through erection.

Shifting labor from the jobsite to the factory.



Why ConX is Faster

Streamline method of erection Built-up is Built-in

Traditional

Multiple people per joint in precarious positions



Billboard/X-tree Installation speeds assembly time

Traditional

Tiered Erection - mired in redundancy



No lost time to inspections, testing and reworking

Traditional

Field weld testing/inspection leading to re-work



CONXTECH

Labor Productivity Increases by 30% on Offsite Projects







Extending factory precision to the jobsite.





Conxtech

Work out of man-basket, only one person needed at joint to easily lower and lock into place (not even one man...only one hand)





Conxtech

Billboarding - instant stability +fewer "at risk" hours onsite





Conxtech

ConX simplifies inspection





ConXtech Structural Steel Building **Platforms**:

Education

ConXtech is an ideal structural solution for Education applications offering accelerated installation schedules as well as simplified layout and future programmability.

Schedule	 2x-5x faster than conventional steel and concrete Accelerated schedule from concept through construction Accelerated approvals
Safety	 50% reduction in field labor- fewer "at-risk" hours "Lower and locking" connection provide instant stability and alignment prior to bolt-up Erection done from aerial baskets Precision fabrication translates to repeatable standard work and perfect fit in field
Cost	 Up to 10% lower structural system cost vs conventional steel (incl savings in GC/GRs) depending on region Reduced carrying costs and interest reserves required for development financing Easy integration of other trades due to standard, modular componentry
Asset Value	 Increased schedule leads to faster occupancy Safer, higher performance facilities Lower overall risk and greater predictability due to systems approach Reduced Noise, on-site waste, and disruption to neighboring facilities Flexible structural system is easy to customize
Use Cases	 Projects that are schedule driven: "WE WILL GIVE YOU A MONTH!" Projects that require schedule certainty: "CONXTECH HAS NOT MISSED A SCHEDULE EVER" Projects that require pricing certainty: "AS A MODULAR SYSTEM WE CAN GIVE YOU A DEFINITIVE PRICE (+/- escalation) FOR YOUR CLIENT!"

Key CONXL 400 Product Details

Height Range: Field Assembly Rate: HSS/Box Column Size: Variable Beam Depth*: Variable Beam Spans**:

2 - 5 stories
0,000 - 15,000ft²/Day
Nominal 400mm (16" square)
8" - 36"
8' - 45'+





For more information about this product or any product within the ConX Structural Steel Platform, please contact us at info@conxtech.com or visit conxtech.com

Stanford Neuroscience

Location	Stanford, CA
Description	Neuroscience Health Center
Size	92,000 sqft
Time	17 Days to Erect Steel
Owner	Stanford Health Care
Contractor	Cahill Contractors
Engineer	Degenkolb Engineers
Architect	TEF Design
Туре	ConXL 400

Southwestern College HEC

Location	National City, CA
Description	Educational Building
Size	22,400 sqft
Time	12 Days to Erect Steel
Owner	Southwestern College
Contractor	Sundt Construction
Engineer	TTG
Architect	Johnson Favaro
Туре	ConXL 400

Cal State University, Monterey Bay

Location	Seaside, CA
Description	Business and IT Facility
Size	58,000 sqft
Time	27 Days to Erect Steel
Owner	CSU Monterey Bay
Contractor	Rudolph and Sletten
Engineer	Thornton Tomasetti
Architect	HMC Architects
Туре	ConXL 400







Stanford Law School

Location	Stanford, CA
Description	LEED [®] Gold Academic Building
Size	65,000 sqft
Time	17 Days to Erect Steel
Owner	Stanford University
Contractor	Dome Construction
Engineer	Degenkolb Engineers
Architect	Ennead Architects
Туре	ConXL 400



California Baptist University

Location	Riverside, CA
Description	Engineering Facility
Size	100,670 sqft
Time	15 Days to Erect Steel
Owner	California Baptist University
Contractor	Tilden Coil Constructors
Engineer	Walter P. Moore
Architect	Gensler
Туре	ConXL 400



SJSU Student Wellness Center

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Location	San Jose, CA
Description	Student Health Center
Size	53,000 sqft
Time	6 Days to Erect Steel
Owner	San Jose State University
Contractor	Blach Construction
Engineer	BKF/ Tipping Mar
Architect	Ratcliff Architects
Туре	ConXL 400



Marshall Elementary School

Location	Anaheim, CA
Description	Elementary School
Size	43,600 sqft
Time	18 Days to Erect Steel
Owner	Anaheim School District
Contractor	Inc; Erickson-Hall Construction
Engineer	Walter P. Moore
Architect	BCA
Туре	ConXL 400

UC Merced Student Housing

Location	Merced, CA
Description	Student Housing Facility
Size	110,000 sqft
Time	20 Days to Erect Steel
Owner	University of California, Merced
Contractor	ProWest Constructors
Engineer	GFDS Engineers
Architect	EHDD
Туре	ConXL 400

Santa Monica High School

Location	Santa Monica, CA
Description	8-12 High School
Size	127,873 sqft
Time	25 Days to Erect Steel
Owner	Malibu Unified School District
Contractor	McCarthy Construction
Engineer	Saiful. Bouquet Structural Engineers
Architect	HED Design
Туре	ConXL 400







ConXtech Leadership



Robert Paulk President

Captain Paulk, a 1984 graduate of the U.S. Naval Academy, retired in 2014 after 30 years of Active and Reserve naval service that culminated with three decorated command and overseas combat tours (2007-2012) in Afghanistan, Iraq, Kuwait, and the United Arab Emirates. In his private career, he has held numerous senior leadership positions in both large national and regional private businesses and nonprofit organizations.

Recently, he served as Pogue Construction's Chief Operations Officer (COO), a \$600 million general contractor located in McKinney, TX. During his 6 years as COO he led multiple key reorganization and staffing initiatives, corrected project ontime completion performance, and helped drive record annual revenues and profit in 2018, 2019, and 2020. Concurrently, Pogue Construction received regional and national recognition for construction volume and as a "best place to work."



Josh DeLehman Senior Director, Business Development

Mr. DeLehman joins ConXtech with 15 years of experience in engineering and construction for the energy, mining, and infrastructure industries. His roles have included senior positions in both Supply Chain Management and Business Development, with an emphasis on construction support services and manufacturing. A common thread in Mr. DeLehman's career has been risk mitigation through shifting work from the job site into controlled shop environments where certainty of cost, quality, schedule and safety are more readily achievable. This focus is expected to serve Mr. DeLehman well as he works to grow ConXtech's core business. Mr. DeLehman holds a Bachelor's of Science in **Business Administration from** the University of North Carolina at Chapel Hill's Kenan-Flagler Business School.



Adam Kurtenbach Vice President of Business Development

Adam Kurtenbach has been in the modular construction industry for over 20 years. He joins ConXtech from KATERRA, where he was most recently the Director of Business Development for the PNW. In this role, Adam was responsible for oversight of almost \$500 million in project sales. Previous to his stint at Katerra, Adam ran Business Development for Urban Edge Builders (UEB) where he helped establish their Seattle office and was involved in bringing the first high-rise to the University of Washington district in over 30 years; The M. Adam is a firm believer in the power of innovative, modular, sustainable building practices and their ability to change the built environment for the better. A long-time hockey and lacrosse coach and player, Adam believes in the parallels between these sports and the construction industry; namely, grind to succeed, be accountable every day, and team before individual.



Tony Pydych Director of Business Development

Tony brings over 25 years of client-centric design, preconstruction, and construction experience to ConXtech. He is a licensed Architect, AIA member and holds a General Contractor's license. Tony brings a multidisciplinary background and a pragmatic results-driven approach to ConXtech with an emphasis on developing positive and durable client & industry relationships.

Tony joined ConXtech from Walsh Group where he was the Director of Preconstruction & Design Manager for the Seattle Division. He previously worked for Katerra/UEB as Preconstruction Director, Perkins+Will and Callison Architecture as a Senior Project Architect, and he started his career working at Skilling Ward Magnusson Barkshire Engineering (currently named MKA).



Adam Browne S.E, P.E Chief Engineering Officer

As the CSEO, Mr. Browne is responsible for ConXtech's standardized calculations and design methodologies. He also provides technical recommendations and guidance to outside engineering firms working with the ConX System.

Mr. Browne is a licensed California structural engineer with over 20 years of experience. He has a bachelor's degree in mathematics from the University of California at Santa Cruz and studied structural engineering at San Francisco State University before joining the firm BFL/ OWEN in 1994. Before joining ConXtech in 2012, Mr. Browne was the EOR at FBA and Associates, responsible for the structural design on the first 2 million square feet of ConX structure. There, he was integral in establishing acceptability of the framing system with various building departments and jurisdictions.

As Vice President of Industrial Operations, Kevin is responsible for growing and executing work in the Process Industry, larger commercial markets such as data centers, and responsible for work with our international clients. Before coming to ConXtech, Kevin worked as a consultant in Project Management for a private company in Houston. Prior to that he spent ten years executing projects in the process industry that ranged in costs of \$50MM to \$3B. His responsibilities ranged from business development to engineering and design to project management. Kevin received his Bachelor's Degree in Civil Engineering from Texas Tech University and has worked in several different markets prior to attending college. In his youth, he worked as a laborer and welder for companies like Fluor and smaller commercial companies.



Kevin Chambers Vice President of Industrial Operations



Stephen Boyd Vice President, Technology & Operations

As VP Technology, Stephen is responsible for ConXtech's core products, as well as the hardware, software, processes, and systems needed to successfully execute ConX-based projects. He is a passionate technology leader and innovator driving scalability for ConXtech's products and setting the stage for longterm growth. As one of the engineers responsible for the XL300 industrial system, Stephen has developed a deep knowledge of the ConXtech product portfolio and all of the underlying systems enabling its success. He has led crossfunctional engineers to drive product improvements and scalability that have enabled successful deployment and implementation of ConXtech technology.

With a Bachelor of Science Mechanical Engineering degree from Union College, Stephen's background gives him exposure across engineering disciplines.



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Thank you.

For more information, please contact:

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