

UC MERCED STUDENT HOUSING



Rendering: EHDD Architecture



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PROJECT NARRATIVE

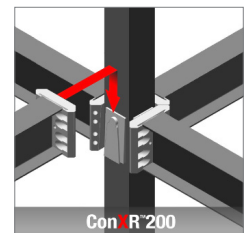
The UC Merced Summits project is a five-story, 364-bed, 110,000 ft² Student Housing Facility. Trades employed BIM integration, sharing models in a collaborative 3D environment for communication and clash management. ConXtech Manufacturing utilized automated modular detailed connections, shop drawing production, electronic BOMs and nesting, and CNC data. Output from Tekla Structures enabled sophisticated MRP program use in manufacturing and field assembly.

CONX SOLUTIONS

Enabled by ConXtech's standard part database and pre-programmed, auto-connecting components, subcontractor Dowco Consultants efficiently provided detailing services for non-core component modeling. Detailing setup, connection design, and connection application in the model were significantly simplified and faster compared to traditional steel detailing. ConXtech pre-planned daily work packages for the ConX Certified Erector, Bragg Crane and Rigging, to assemble at an astonishing rate of 120 to 160 pieces per day.

PROJECT DATA

Square Footage	110,000 ft ²
Steel Assembly Duration	20 Days
Number of Collars	780
Bay Spacing	Varied, 8'-6" to 14'-9"
Structure Weight	798 tons; 14.5 lbs./ft ²



STAKEHOLDERS

Owner	University of California
Architect	EHDD Architecture
Engineer	GFDS San Francisco
Contractor	ProWest Constructors
Steel Fabricator	ConXtech Manufacturing
Steel Erector	Bragg Crane & Rigging
ConXtech Scope	Structural Steel, Decking



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