

NORTHBAY HOSPITAL HEALTHCARE



PROJECT NARRATIVE

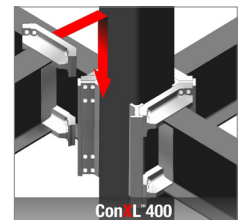
This 78,130 ft² hospital expansion includes a new 4,500 ft² freestanding lobby as well as the renovation of 9,000 ft² of the existing Emergency Department. Other new components include diagnostic facilities, central sterile processing facilities, a kitchen and cafeteria, nursing units and surgical and imaging services. The expansion is the first OSHPD-licensed critical care facility in Northern California designed using the ConX System.

CONX SOLUTIONS

Due to the ConX System's prequalification with OSHPD, the risk of any major changes to the primary steel frame design during OSPHD review has been virtually eliminated. This significantly shortens the BIM coordination process allowing the MEP coordination team to begin earlier using ConX's LOD 500+ fabrication model. ConX's OSHPD prequalification also streamlines the structural review process, significantly reducing the demand on the EOR throughout the approval process. Additionally, OSHPD requires enhanced column-based fixity requirements at the base of the structure. ConXL collars and moment frame columns and beams were easily integrated to the foundation base in order to meet OSHPD's requirement for a robust and structurally sound hospital facility.

PROJECT DATA

Square Footage	78,130 ft ²
Steel Assembly Duration	20 Days
Number of Collars	144
Bay Spacing	29' x 29'
Structure Weight	670 tons; 17 lbs./ft ²



STAKEHOLDERS

Owner	Northbay Healthcare
Architect	Ratcliff Architects
Engineer	Thornton Thomasetti
Contractor	DPR Construction
Steel Fabricator	ConXtech Manufacturing
Steel Erector	ConXtech Construction
ConXtech Scope	Structural Steel



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