New Acute Care Hospital and Skilled Nursing Facility

845 Jackson Street, San Francisco, CA

Tim Ariosto/Structural Option

www.engr.psu.edu/ae/thesis/portfolios/2010/tma5011/index.html

Building Statistics

Size:	92,000 S.F.
Number of Floors:	7 above ground/ 1 below
Project Cost:	$160 Billion
Construction Dates:	2010-2013
Delivery Method:	Integrated Delivery Process

Architecture

-Design **highlights** include 76 additional beds, several new health care departments, and a pharmacy

-**Addition to existing Chinese Hospital** in Chinatown area of San Francisco

-Facade made up of two types of **precast concrete panals** and glazing

MEP System

-Four **air handling units** located on roof level ranging from 20,000 - 36,000 CFM.

-3000A **277/480V 3-Phase 4-Wire** electrical system

-**Sprinkler system** installed throughout building

Project Team

Owner:	Chinese Hospital
Architect:	Jacobs Carter Burgess
Structural Engineer:	ARUP North America
Mechanical Engineer:	Mazzetti & Associates
Electrical Engineer:	FW Associates, Inc.
Plumbing Engineer:	SJ Engineers
Preconstruction Services:	DPR Construction

Structural System

-36" **mat slab foundation** for seismic dampening

-**Structural steel framing** with 3" composite steel deck and 3-1/4" concrete slab

-Perimeter **special steel moment frames** to resist lateral loads

-**Seismic design** for underpinning and crush zone considerations.