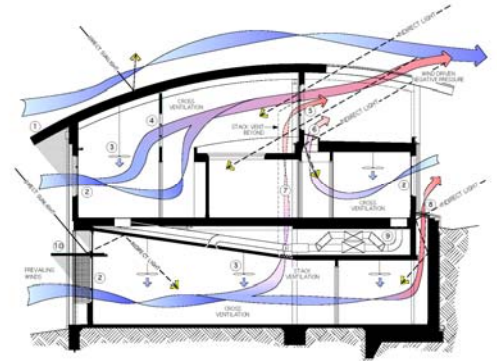




Orinda New City Offices

Orinda, California



Owner:	City of Orinda
Completion Date:	Under Construction
Size:	12,000 square feet
Architect:	Siegel & Strain Architects
General Contractor:	Ralph Larsen & Son
Mechanical Contractor:	American Mechanical Services
Program:	City Hall, Police Station, City Offices, Emergency Operations Center
Project Description:	Green design strategies used throughout. Integrated design process integrated low energy cooling strategies with building envelope, program, and internal load reduction. Project beats Title-24 by 55% and will be submitted for LEED certification.
HVAC System Description:	Mixed-Mode cooling system uses natural ventilation for much of the year and compressorless indirect-direct evaporative cooling when needed. Occupant comfort controls consist of thermostats, operable windows, and ceiling fans. Natural cooling airflows modeled and optimized in UC Berkeley wind tunnel facility.
Taylor Engineering's Role:	Full design of HVAC, plumbing, and energy management & control systems. Energy modeling and life cycle costs analysis of energy efficiency options. LEED and Savings By Design analysis and documentation. Will perform HVAC system and control system commissioning.
References:	Siegel & Strain - Henry Siegel (hsiegel@siegelstrain.com) AMS - Greg Thomas (GThomas@amsfusa.com)