Taylor Engineering LLC
1080 Marina Village Parkway, Suite 501 ■ Alameda, CA 94501-6427 ■ (510) 749-9135 ■ Fax (510) 749-9136

Green Building Projects

PROJECT	DESCRIPTION	AREA (ft^2)
UC MERCED CLASSROOM/OFFICE BUILDING Merced, CA	Full HVAC and controls design and commissioning of unique ultra-high efficiency dual fan dual duct air distribution system, demand controlled ventilation, and hybrid natural ventilation using operable windows. Project targeted for LEED Gold with 10 LEED energy points and exceeds Title-24-2001 by 36%.	95,000
SYMANTEC HQ CULVER CITY Culver City, CA	Full HVAC and controls design for underfloor HVAC systems and 2300 ton chilled water plant with variable speed chillers and primary-only variable flow distribution and water-side economizer. Building is targeted for Gold LEED rating.	550,000
ELECTRONIC ARTS PHASE II Redwood City, CA	Full HVAC and controls design for underfloor HVAC systems, natural ventilation and radiant heating/cooling in atrium, variable speed chillers with primary-only variable flow distribution. Building exceeded Title 24-1998 by 31%.	330,000
CAPITOL AREA EAST END PROJECT – BLOCK 225 Sacramento, CA	Conceptual design and energy optimization of underfloor HVAC system, full design of control systems, and complete HVAC and control system commissioning for 6-story office building. Design includes air and water-side economizers, daylighting controls, and photovoltaic panels. Exceeded Title 24 by 35% and received a LEED Gold rating.	330,000
VISTA COMMUNITY COLLEGE Berkeley, CA	Full HVAC and controls design and commissioning of high efficiency water-cooled DX cooling variable air volume system, variable speed condenser water pumping system, demand-controlled ventilation, variable flow laboratory fume hood exhaust system. Building is targeted for LEED certification.	160,000
ALAMEDA FREE LIBRARY Alameda, CA	Full design of HVAC and control systems for underfloor air distribution system with perimeter underfloor variable speed heating fan-coils. Building is targeted for a Silver LEED rating.	45,000
CHARTWELL SCHOOL Seaside, CA	Full design and commissioning of HVAC system consisting of radiant heat coupled with advanced controls and innovative fresh air system that works in tandem with natural ventilation and operable windows.. Building is targeted for a Platinum LEED rating.	20,000
MORGAN HILL INDOOR RECREATION CENTER Morgan Hill, CA	Full design of HVAC and control systems for this recreation center including a 10,000 ft^2 natatorium that has a VAV indirect evaporative cooler with heat pipe heat recovery system. Building exceeds Title 24-2001 by 23%.	55,000

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Green Building Projects (continued)

PROJECT	DESCRIPTION	AREA (ft^2)
JASPER RIDGE BIOLOGICAL PRESERVE – FIELD STATION Stanford University Stanford, California	Feasibility analyses and peer review for this remote field station. Features natural ventilation and passive cooling, active solar collectors to pre-heat heating and domestic hot water, photovoltaic panels. Project will submit for a LEED rating.	10,000
S.T. DANA BUILDING RENOVATION, LEED DOCUMENTATION University of Michigan Ann Arbor, MI	Full HVAC design of a green building retrofit in conjunction with William McDonough and Partners and Quinn Evans Architects (Allan Daly while at Arup, SF). LEED Energy Modeling and Documentation (Taylor Engineering). Project will submit for LEED Gold. Project uses innovative radiant cooling system.	150,000
PG&E ACT^2 Sunset Building San Ramon, CA CSAA Building Antioch, CA	Energy analysis, development of energy conservation measures, conceptual design of HVAC systems for super high efficiency office buildings. Goal of this pilot project was to exceed Title 24 by >50%.	30,000
RIDGEHAVEN "GREEN BUILDING" OFFICE PROJECT City of San Diego Environmental Services Department	Conceptual design and energy optimization of HVAC system, development and DOE-2 modeling of energy conservation measures, and HVAC and control system commissioning. This was one of the early "green building" projects. High efficiency water-source heat pump system with variable speed pumping, high efficiency variable speed cooling tower, demand controlled ventilation, and occupancy sensor controlled setpoints. Measured energy usage is 47% below the estimated level of consumption for a comparable California Title 24 energy code compliant building.	73,000