



The Harker School Science and Technology Building San Jose, CA

GENERAL INFO

Size: 50,000 SF, 2 stories
Dates of Construction: June '07
to August '08
Total Cost: \$22.5 million
Delivery Type: Design-Build

STRUCTURAL/ARCHITECTURAL

5" Concrete slab on grade
Footings range from 3'x2' to 10'x3'
Steel skeleton supporting concrete slab on top
of metal decking
Curtain wall consisting of aluminum window
system with insulated glass

LIGHTING/ELECTRICAL

Combination of HID, fluorescent, and halogen
fixtures
480/277V and 208/120V system distributes
750kVA

PROJECT TEAM

Owner: The Harker School
**Architect, Structural Engineer, and
Landscape Architect:** DES Architects +
Engineers
General Contractor: XL Construction
Mechanical Engineer: Western Allied
Mechanical
Electrical Engineer: AMS Electrical
Civil Engineer: Sandis
Acoustical Engineer: Charles M. Salter
Associates Inc.

MECHANICAL

(3) Rooftop air handlers 15,500-17000CFM
(33) VAV boxes serving rooms
(2) Fan powered VAV boxes serving rotunda
and cyber cafe
Radiant floor in Forum
Hot and chilled water supplied by boiler
and expansion tank respectively

Scott Davis
Mechanical Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2008/sad271/>