

# David Miller

mechanical



greenspun hall  
las vegas, nv

## project information

project size.	122,000 sf
building height.	3-5 floors
construction dates.	fall 06' - fall 08'
construction cost.	\$94 million
project delivery.	design-build

## project team

architect.	hks architects
design architect.	robert a.m. stern architects
cm.	walter p. moore & assoc., inc
m.e.p. engineers	rg vanderweil engineers
structural engineers.	clark construction



## architecture

a LEED silver modernist complex designed to minimize energy and water use while maximizing natural lighting and indoor air quality. a louvered canopy of a photovoltaic array reduces heat island affect and supplies energy to power roughly 30 percent of the building.

## mechanical

(6) air handling units, 61,300 cfm total, and (2) 200 ton centrifugal chillers serve a system consisting of (22) Fan Coil Units, (6) computer room air-conditioning units, and an elaborate system of chilled beams



## structural

various sized spread footers along with strip footers. cast in place beams, slabs, and typical columns at 24x24. laterally braced steel framing in stairwells. shear walls located throughout. steel framing support photovoltaic canopy over central courtyard

## electrical

(2) 480Y/277 3 phase 4 wire distribution panels at 800 amps. (1) 208Y/120 3 phase 4 wire distribution panel at 600 amps. all distribution panels and motor control centers located in main electrical room on 2nd floor

