



Chandler City Hall

Chandler, Arizona

Providing a new "urban edge" Chandler City Hall reflects the idea of respecting the past and acknowledging the future.

PROJECT TEAM

ARCHITECT | SMITHGROUP
CONTRACTOR | SUNDT
MEP | SMITHGROUP
CIVIL | DIBBLE ENGINEERING
STRUCTURAL | CARUSO TURLEY SCOTT
LANDSCAPE | GBTWO LANDSCAPE ARCHITECTURE



MECHANICAL

- ◆ Variable air volume and constant volume distribution systems
- ◆ Cooling tower and chiller
- ◆ Roof and indoor air handling units
- ◆ Fan coil units provide heat and cooling



STRUCTURAL

- ◆ Combination of concrete and steel construction
- ◆ Deep cussions, isolated footings and continuous footings
- ◆ 4" concrete slab on grade on 4" aggregate course base
- ◆ Reinforced concrete supported by concrete columns
- ◆ Single load bearing masonry walls and steel columns

ARCHITECTURE

Single story stone elements encompass the historical and natural scale of the building. However the Council Chambers and tower provide the link to the technology driven future. The tower exists as a floating glass box over the plaza, that frames and unveils the iconic structure of the Council Chamber, creating a new identity for the City of Chandler.

LIGHTING

- ◆ Variety of fluorescent, metal halide, halogen and LED sources
- ◆ Daylight integration and controls
- ◆ Programmable and dimming controls

ELECTRICAL

- ◆ Utility owned pad mounted transformers step down the high voltage service to 480Y/277V
- ◆ 750 kW emergency diesel generator: 480Y/277V 3F, 4W
- ◆ Two service entrances; two switchboards
- ◆ Lighting load supplied by 480Y/277V; HVAC and receptacle loads supplied by 208Y/120V



STATISTICS SIZE | 137,000 SQ.FT. COST | \$47 MILLION

Stephanie Romanias | 2011 Senior Thesis | Lighting/Electrical

<http://www.engr.psu.edu/ae/thesis/portfolios/2011/smr5094/index.html>