

“barrel ceilings inside the sanctuary and lobby were made difficult by changing floor elevations”

St. Philopateer Coptic Orthodox Church

Location: Richardson, Texas
Builder: Idea Construction
Estimator: Jim Hatch
BT Supervisor: Jerry Winkle
BT Project Manager: Kyle Caviness
Scope: Metal framing, drywall, insulation, acoustical ceilings, GFRG and trims.

The biggest challenges of the job were the dome and barrel ceilings. Access to the main dome ceiling in the center of the building was the first obstacle. BT contracted the building of this massive scaffold system by Contactors Access. In the midst of the barrel ceilings and BT substrate, is a fabric that was brought in from Egypt and stretched between architectural features. Kyle Caviness stated, “the framing of the large dome ceilings was a challenge to our crew but was improved as Armstrong provided us with shop drawings for the domes as we used their Drywall Ceiling Framing Systems”.

The structural framing of the new exterior dome structures was also a challenge but with the help of Superior Steel Components who prefabricated the components, BT was able to build the domes on the ground and then set into place with the use of a crane. The framing and sheet rocking of the numerous barrel ceilings inside the sanctuary and lobby were made difficult by changing floor elevations.

