

Recent Projects

St. Vincent de Paul Church Los Angeles, California

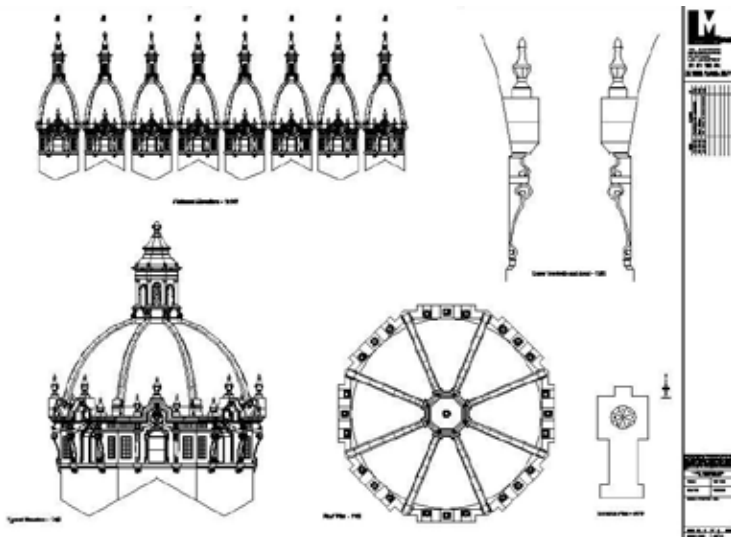
Historic Resources Group of Hollywood, California recently completed a Historic Structure Report for St. Vincent de Paul Church, a City of Los Angeles Historic Cultural Landmark. Modeled after the St. Prisca Church in Taxco, Mexico, St. Vincent de Paul is an excellent example of the Churrigueresque architectural style.

Mollenhauer's 3D Surveying team was engaged by the Historic Resources Group to provide accurate 3D as-built data to capture the precise geometry of the Church dome. Laser scanning was able to capture the intricate detail of the dome from the ground without the need for attaching targets to the structure and avoiding unnecessary scaffolding or lift apparatus. The data was referenced to an existing survey of the main body of the church performed a few years earlier.

High resolution photography was taken of the dome's tiled panels. This photography was integrated with the point cloud data to create rectified photography of the complex tile mosaic.

Both the survey of the dome's geometry and the photogrammetric survey were used as the basis of the condition and structural reports and the foundation of the design and intervention plans.

Client: Historic Resources Group, Hollywood, CA



Laser scanning allowed intricate detail to be captured without the use of lifts or scaffolding.



Mollenhauer's 3D model served as the foundation for design and intervention plans.



High-resolution photography and point cloud data were combined to create rectified images of the Dome's mosaic