



CASE STUDY

UCLA Westwood Medical Center, LOS ANGELES, CALIFORNIA



BIOTECH/HEALTHCARE MEDICAL CENTERS

OPERATING COMPANY:

Marelich Mechanical Co., Inc.

CLIENT:

University of California at Los Angeles

**GENERAL CONTRACTOR/
CONSTRUCTION MANAGER:**

Tutor-Saliba-Perini

ARCHITECT:

Perkins & Will, Inc.

ENGINEER:

Ove Arup

VALUE DELIVERED

- All shop coordination drawings were completed utilizing CAD systems. Marelich managed this effort and coordinated all of the sub-trades including electrical, fire protection, drywall, medical equipment as well as plumbing, ducting and mechanical piping. We provided all background documents to insure consistency in our coordination effort and updated these documents as warranted due to owner directed changes. We housed all participants in the same location to provide daily interaction between the various coordinators and draftspersons.
- Participated in the development of the project CPM schedule so that we would be allowed an even flow of work. Installation procedures were established benefitting all subcontractors through the layering method while installation durations were dictated by our estimated manhours in any given area.
- Development and implementation of a QA/QC program that met the strict standards required by the state of California as it pertains to the construction of a critical care facility. Due to seismic activities prevalent in the state of California, the state has a special division (OSPHD) that monitors the development and construction of all critical care facilities. The construction criteria established by this division far exceeds the criteria required under national construction standards. Our QA/QC department monitored and inspected installations for compliance to OSPHD standards, then records and documented all inspections and provided the final sign-off.
- Marelich has developed a detailed commissioning program enlisting the participation of all trades that interface with our mechanical and plumbing systems. This would include fire protection, fire/life/safety, controls and electrical. We established dates for all equipment start-up activities and then identified all preceding activities, gathered commissioning criteria from the other sub-trades and established timelines for each activity.

TECHNICAL SOLUTIONS

Relationships

Quality Service

VALUE ENGINEERING

Experience

Project Schedule & Coordination

EXPERTISE

- New Construction
- Retrofit
- Electrical Construction
- Mechanical Construction
- Facilities Services
- Consulting Services

SCOPE OF WORK

- Marelich contracted for the installation of mechanical piping, plumbing, ducting and temperature controls in this 1.2 million square-foot critical care facility.
- We will install roughly 2.250 million pounds of sheet metal ducting including many stainless steel welded systems servicing critical exhaust systems.
- The facility is serviced from an existing central plant that provides chilled water and steam to our facility. Though no major central plant was included within our facility, we have installed emergency back-up equipment for service to the surgeries.
- The plumbing systems include standard waste, vent and domestic water systems as well as medical gas systems and specialty fountain systems.

BACKGROUND

The UCLA Westwood Medical Center is governed by the California State Board of Regents which essentially represents all California Universities. Locally, the Regents employed representatives to direct the design team and interface with the construction management team. The construction management team is a joint venture between URS and Turner Construction. Their responsibility is to monitor construction progress and compliance with the contract documents. The University, along with their construction management team, solicited firm bids for the shell and core portion of the project and selected Tutor-Saliba-Perini as the general contractor. UMM bid the tenant improvement package directly to the University and Construction Management team approximately one year after Tutor-Saliba-Perini was awarded the core and shell project. After our award of the mechanical and plumbing portion of the tenant improvement package, UMM was assigned by the University to Tutor-Saliba-Perini as a subcontractor.

OBJECTIVES

- To provide excellent patient care in support of the educational and scientific programs of the schools of the UCLA Center for the Health Sciences.
- To replace the existing UCLA Medical Center that no longer meets the state-mandated seismic criteria standards.

SOLUTIONS

Provide weekly schedule updates to identify and address areas that have been impacted or delayed, then identify the impact and seek immediate resolution engineering.



University Marelich Mechanical offers professional construction services geared to the size and complexity of each project. Partnerships with clients are utilized to provide superior quality work, safely, on time and within budget.

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