



PROJECT OVERVIEW

This 2,000 sf Class 10 cleanroom provided a modular cleanroom system that includes 126 HEPA filters with low AMC filters. An interstitial space with a catwalk was provided above the system for servicing of the cleanroom. This voluminous interstitial space was used as an air mixing plenum above the HEPA/AMC filters. The temperature band required for the cleanroom was +/- 0.5F. A DX rooftop unit, exhaust fans, and all new ductwork was routed above to control room pressure and temperature. Structural upgrades to the roof were performed to support the DX unit. Specialized architectural, structural and MEP design was required to minimize and/or eliminate acoustical vibrations. In addition, DI water, CDA and chilled water systems were installed to support the cleanroom processes. An electrical upgrade to the Main Switchgear was required to support the new equipment and electrical requirements within the cleanroom. A custom helium recovery system was designed and installed which included welded high purity stainless steel tubing and cross over manifolds. This helium recovery system was installed for processes the client used for their cleanroom. Other improvements included CDA air upgrades, oil & water separator upgrade, new doors, windows, roofing and other architectural/structural features.

Zygo - KLA - Project Shasta

Richmond, CA

CLIENT/OWNER

Zygo Corporation

ARCHITECT

Interactive Resources

PROJECT SIZE

2,000 sf

COMPLETION DATE

February 2019

BUDGET

\$2,200,000