

Hyung Ryu, PE, Principal, Plumbing & Fire Protection Engineer (M-22395)

Hyung Ryu has over 29 years of laboratories and healthcare experience in all phases of plumbing and fire protection engineering from design through construction supervision. The projects have included intricate plumbing systems, central plants, fire protection systems, medical gases, process piping systems and industrial environmental control systems. He was served as the Technical Vice President of the American Society of Plumbing Engineers (ASPE) in San Francisco and served as the Codes and Standards Review Committee for the National Fire Protection Association (NFPA).



Professional Experience:

- Kaiser Berkeley Regional Laboratory - 35,000 sq. ft., Laboratory Expansion, 40,000 sq. ft., Biomedical Engineering 30,000 sq. ft., Laboratory Remodel, \$24.5 million construction cost, Berkeley, CA
- Kaiser Richmond Regional Laboratory – Automated Clinical Laboratory, 50,000 sq. ft. Tenant Improvement, Shell & Core Upgrade, Richmond, CA
- Stanford University Clinical Laboratory – 60,000 sq. ft. Tenant Improvement and Shell & Core Upgrade, Palo Alto, CA
- Ernest Gallo Clinic and Research Center – 62,000 sq. ft. Laboratory / Research Center, 7,000 sq. ft. Animal Holding and 4,500 sq. ft. Administrations, \$14.8 million construction cost, Emeryville, CA
- UCSF - Health Sciences Instruction and Research Buildings - HVAC Master Plan and Upgrades 370,000 sq. ft. in two 16-story buildings, \$16.5 million construction cost, San Francisco, CA
- Bayer Diagnostics Lab – 72,000 sq. ft. 2-story building, 100,000 sq. ft. Parking Garage, \$11,000 million construction cost for Shell & Core Building, \$7.6 million construction cost for Tenant Improvement, Berkeley, CA
- Department of Justice Forensics Lab – 67,000 sq. ft., Forensic Laboratory, \$17 million construction cost, Richmond, CA
- Chiron Corporation - Central Plant Development, \$8.5 million construction cost, Emeryville, CA
- Emery Station North 6th Floor - 36,000 sq. ft. Proteom Tech, Kinemed, Thios, and Nanomix Laboratories, Emeryville, CA
- Roche Diagnostic Lab – 42,000 sq. ft. Laboratory / Research, 18,000 sq. ft. Administration, \$10.8 million construction cost, Berkeley, CA
- Palo Alto Medical Foundation – 360,000 sq. ft. Laboratory including Animal Facility Lab, 350,000 sq. ft. Underground parking structure, Palo Alto, CA
- Lawrence Livermore National Laboratories, Building 256 - New Additions & Renovations, Building 243 - Evaluate HVAC System, Building 332 - Air Conditioning Upgrade, Offices, Corridor and Loft, Livermore, CA
- Children's Hospital Oakland - Central Plant, Central Sterile, Patient Services Pavilion, As-built drawings for existing CHORI facilities, Oakland, CA.

Education:

BS, Mechanical Engineer / 1973 - University of Hanyang, Korea, and Iowa State University

Registration:

Registered Mechanical Engineer in the State of California
 Certified Plumbing Engineer by ASPE
 Certified Commercial Energy Inspector

Publication:

Mr. Ryu's article on plumbing systems was published in the ASPE data book Volume 2 of Special Plumbing Systems Design, Chapter 18: "Corrosion", and he has spoken to various audiences including Berkeley professors on "The Effects of Water Quality."