

David Heylen
Project Manager and Senior Mechanical Designer

Hunt Engineering Services Inc.
Senior Mechanical Designer

Years of Experience: 25
Years with Hunt Engineering: 10

Education

Associate Degree, Dawson College; Montreal, Quebec
McGill University; Montreal, Quebec

Professional Registrations

- LEED GA (Green Associate)



Professional Experience

David Heylen has over 25 years of experience serving as a mechanical designer and project manager. His design experience includes building HVAC and plumbing systems as well as significant experience in heavy industrial process piping. He has designed systems for a wide range of facilities including: data centers, restaurants, schools, health care, animal shelters, office buildings, apartment buildings, churches, pulp & paper mills and metals reprocessing plants. David has worked on projects for a variety of clients including King County, Highline School District, Seattle Children's Hospital, Port of Seattle (SeaTac Airport), Verizon, T-Mobile as well as industrial clients such as Weyerhaeuser and Boise Cascade.

Representative Projects

SeaTac Airport Tenant Improvements; Seattle, WA, 2004-2014

Provided project management and mechanical & electrical design on over 50 projects including food service, retail space, office space and infrastructure for clients such as HMS Host, Concessions International, Delta Airlines and Alaska Airlines.

Highline School District ERAC Electrical & Data Center Upgrade; Burien, WA, 2013

Provided mechanical design for this data center upgrade & generator replacement. This project involved adding a Computer Room Air Conditioning (CRAC) unit & dry cooler to the data center and replacing the 150 kW generator & belly fuel tank with a 300 kW unit & 2,000 gallon above ground tank. This project was designed & phased to complete construction without interruption of service.

Jefferson Healthcare; Port Angeles, WA, 2013

Provided mechanical design for various projects for Jefferson Healthcare including: project management & design of an emergency medical oxygen supply system for the hospital; project management & design for an expansion of the medical gas piping system in the Labor, Delivery, Recovery & Postpartum (LDRP) ward; mechanical design for an ambulatory surgical center annex and analysis & survey of the medical gas piping system in the hospital to determine system capacity for future expansion.

Seattle Children's Hospital Sand Point Way; Seattle, WA, 2011

Provided mechanical design for replacement of a data center condenser water cooling plant. This project involved doubling the capacity of the cooling without expanding the original footprint, maintaining strict acoustical requirements imposed by an adjacent condominium complex & phasing construction to replace the cooling plant without interruption to this 27/7 critical use facility.

Port of Seattle – 2nd Floor HVAC Upgrade; SeaTac Airport, WA, 2010

Provided project management and mechanical & electrical design on this capital project to modify existing HVAC infrastructure & increase HVAC capacity in the Central Terminal by 20,000 CFM. This project involved routing very large ductwork through multiple tenant spaces, coordinating significant structural revisions to load bearing members of the building, rebuilding the supply plenum of an existing air handling unit without interruption of service, & designing an interlocked duct system to combine two air handling units into a common ductwork system.

North Olympic Peninsula Skills Center; Port Angeles, WA, 2004 & 2009

Provided mechanical & electrical design for a new, industrial occupational skills center for the Port Angeles School District. This building included including an articulating exhaust system & spray booth, dust removal system and computer lab. Mechanical design was also provided for upgrades to the center, including adding dust collection and fume control systems in the occupational skills center along with multiple other concurrent projects for the school district; these projects were designed under a strict deadline in order to procure funding

Dupus Boomers Restaurant (Washington State University); Pullman, WA, 2008

Provided mechanical & electrical design for a new, 320 seat, full service 2 cook-line restaurant / bar / coffee bar / fish & chips bar in the Compton Union Bldg. Scope included grease waste exhaust piping with local grease traps, type 1, type 2 & environmental exhaust systems, exhaust duct sumps, interior display fireplace, and coordination with Compton Union Bldg. utilities. Design challenges combining multiple type 1 hoods into common ductwork with extremely low headroom. This project was successfully completed in an extremely aggressive schedule.

Lakewood Center North; Marysville, WA, 2008

Provided project management and mechanical & electrical design for a new convenience store /delicatessen with split system heat pumps, type 1 grease exhaust system, LPG piping system and grease waste plumbing with local grease traps draining to a commercial septic field.

T-Mobile - Data Center B; Snoqualmie, WA, 2007

Provided mechanical design for Data Center B build-out, including refrigerant piping for Liebert extreme density precision cooling system with (8) 43 ton cooling chillers, 2,000 gpm condenser water/glycol loop system with 8 dry coolers & condenser pumps, HVAC for electrical room and plumbing.

Fibre Federal Credit Union; Longview, WA, 2006

Provided mechanical & electrical design for a new, 3-story, mixed use office building. Project scope included 1st floor retail space and office space on 2nd & 3rd floors for FFCU corporate headquarters, 1,145 MBH, 38,000 CFM rooftop air handling unit serving 25 terminal units, separate air handling systems for a 750 s.f. IT center and a separately ventilated, pressurizable glass front stair tower.