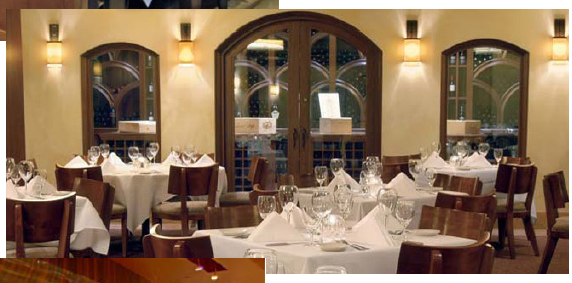
Food Service

Grand Hyatt and Convention Center – Restaurant and Banquet Kitchens

Seattle, Washington

Mechanical engineering services for new 20-story, 440-room hotel located over an eight-story base structure in downtown Seattle. Base structure includes hotel support spaces such as fitness center, laundry, banquet kitchens, restaurant, multi-media conference theater, ballrooms, meeting rooms, and multiple retail spaces for a total of 445,400 s.f. Restaurant is currently Ruth's Chris Steak House. Mechanical design for restaurant included individual chilled water air conditioning units and grease exhaust hoods in kitchen with indirect gas-fired makeup air units. Banquet kitchens included commercial kitchen plumbing, grease exhaust hoods ducted to rooftop grease exhaust fans, makeup air units with heat recovery, and natural gas to kitchen equipment. Exterior grease vault sized for banquet kitchens and restaurant located at food service loading dock.



PROJECT EXPERIENCE

Food Service

Mt. Roberts Aerial Tramway and Visitors Center

Juneau, Alaska

Mechanical engineering services for the preparation of design-build criteria for the design of the lower and upper terminal buildings at the Mt. Roberts Tram in Juneau. Lower portion of the tram is located on the waterfront in Juneau and travels 3,000 feet to an elevation of 1,700 feet at the upper terminal on Mt. Roberts. The 8,300 s.f. lower terminal building includes a large exhibition area, public restrooms, tram equipment location and storage, food storage coolers and freezers, administration offices, and emergency generators. Upper terminal building has 18,000 s.f. and includes a theater, restaurant, retail spaces, conference areas, lobby/exhibit space, food storage, domestic water storage tanks, fire protection water storage tanks and fire pumps, and a skybridge connection to the lower terminal building with the tram loading platform. Mechanical design-build criteria consisted of ventilation and heating requirements, fire protection system requirements, general plumbing, and kitchen plumbing and ventilation requirements.

Food Service

River Park Square Mall, Theater Complex and Parking Garage – Restaurants and Food Court

Spokane, Washington

Mechanical engineering services for a new fully-enclosed, five-story mall which covers two city blocks of downtown Spokane. This high-rise structure includes a 20-theater AMC complex on the fourth and fifth levels, a Nordstrom store, a fully-enclosed four-story glass atrium, upscale food court, and underground parking structure. Project included incorporating an existing mall section inside historic buildings within the same two city block area, three pedestrian skybridges that connect to adjacent Spokane City Hall and department stores located across the streets and the renovation and expansion of an existing aboveground parking structure. Mechanical design included rooftop packaged air conditioning units with gas-fired heaters sized and zoned for the common areas and the restaurant tenant spaces, grease exhaust hoods ducted to sidewall exhaust fans discharging vertically to the atmosphere, natural gas-fired makeup air units, and exterior grease vault located in the alley behind the restaurants. Plumbing for commercial kitchen equipment provided by the tenants with points of connection to the building mains coordinated with the shell and core package. Restaurant tenants are currently Rock City and Sawtooth Grill. Food court tenants are currently Edo Japan, Panda Express, Pizza Rita, Subway, D. Lish's Hamburgers, Wetzel's Pretzels.

PROJECT EXPERIENCE

Food Service

Microsoft Corporation Buildings 34, 35 & Cafeteria/Kitchen (St. Andrews Office Complex)

Redmond, Washington

Mechanical engineering services for shell and core and tenant improvement designs and construction administration for a new office building complex consisting of 465,000 s.f. of office and 34,000 s.f. of cafeteria/kitchen spaces plus underground and above grade parking structures to accommodate 2,100 vehicles. Cafeteria/kitchen building is a separate structure from the office buildings and was provided as a showcase architectural with 23-ft. high ceilings, all-glass exterior walls, and one full-height art wall for murals and artwork displays. Mechanical systems include an exterior grease vault, grease exhaust hoods ducted to a roof-mounted grease exhaust fan located in a camouflaged well, dedicated multizone air handling unit, and unique air distribution terminal devices that were hidden within the architecture of the ceiling above the dining area. Project consisted of multiple office buildings, ranging in height from three to five stories, a 525-person capacity cafeteria, and a new 3,480-ton central chiller plant for campus style distribution to the office buildings and cafeteria.

Microsoft Corporation Buildings 8, 9 & 10 Complex Cafeteria/ Kitchen

Redmond, Washington

Mechanical engineering services for 360,000 total s.f. of renovations to three office buildings at Microsoft's corporate headquarters campus. Each building has an underground parking garage; one building includes the addition of a cafeteria/serving area. Cafeteria/kitchen includes an exterior grease vault located inside parking structure with vehicle access. Grease exhaust hoods are ducted to exhaust fans located on the roof of the cafeteria addition. Indirect gas-fired makeup air units provide the offset air to the exhaust fans. Project included a complete remodel of the HVAC system with the addition of six new roof-top package air handling units for each building with ties to the new Building 10P central plant. Additionally, a new complete ductwork system and chilled water distribution within the building was retrofitted into the existing facility.