

HOUSING FACILITIES

PORTFOLIO

HIGHER EDUCATION HOUSING

The following portfolio highlights MW Engineers' experience with residential facilities on higher education campuses.

Central Washington University

Ellensburg, WA

- Dugmore Hall (402 Beds)
- Barto Residence Hall (360 Beds)
- Getz Short Housing Renovation/Addition (42, 1-2 Bedroom Apartments), not constructed
- Wendell Hill Hall (478 Beds)

Eastern Washington University

Cheney, WA

• Snyamncut Residence Hall (350 Beds)

University of Idaho

Moscow, ID

• Living Learning Center (602 Beds)

Washington State University

Pullman, WA

- Northside Residence Hall (300 Beds)
- Global Scholars Hall (275 Beds)
- Chief Joseph Apartments Renovation & Addition (101 2-3 Bedroom Apartments)

Whitworth University

Spokane, WA

• Boppell Hall (84 Beds)

Gonzaga University

Spokane, WA

- B.J. Coughlin Hall (600 Beds, "Live-Learn" Villa)
- Corkery Apartments (155 Beds)
- Dillon Hall (93 Beds)
- Residence Hall (99 Beds)
- Goller Hall (90 Beds "KEEN Living-Learning")
- Jesuit Residence (37 Bedrooms)
- Twohy Hall (85 Beds)

LEED CERTIFICATION

CWU Barto Residence Hall LEED Platinum
GU Jesuit Residence LEED Gold
EWU Snyamncut Residence Hall LEED Silver
WSU Global Scholars Hall LEED Silver
WSU Northside Residence Hall LEED Silver

Cover Photo CWU Dugmore Hall Below Photo EWU Snyamncut Residence Hall





HOSPITALITY, RESIDENTIAL & MILITARY HOUSING

Our skillset has grown to include experience with the hospitality industry, multi-use residential, and military housing. Still, our commitment to our partners' success remains steadfast.

Northern Quest Hotel & Conference Center Expansion

Airway Heights, WA

• Hotel (192 Rooms)

Schweitzer Mountain Resort

Sandpoint, ID

- 5 Needles at White Pine Lodge (26 Condos)
- Ascent Condos

Marine Security Guard Residences

- Sarajevo, Bosnia & Herzegovina
- Djibouti, Republic of Djibouti
- Santo Domingo, Dominican Republic
- Kabul, Afghanistan
- Nouakchott, Mauritania
- Ashgabat, Turkmenistan

- · Colombo, Sri Lanka
- Hyderabad, India
- · Nairobi, Kenya
- Nassau, Bahamas
- Podgorica, Montenegro



DESIGNING HEALTHIER HOUSING

Housing is an important factor in recruiting and retaining students. The goal of each university is to create a vibrant culture of learning for its residents. Supporting students' needs for housing can be met while considering their complex needs for social interaction and exposure to cultures beyond their own experiences. Additionally, university housing must compete based on price and amenities with nearby private sector housing. Perceived quality of life often drives the final decision.

MW Engineers has over 30 years of housing experience, with the majority of recent housing achieving LEED Silver or higher certification while providing students with spaces that support their lifestyles. By developing a clear understanding of the various criteria for mechanical, electrical, and telecommunications systems for new construction and renovation projects, we can respond to today's housing facilities' multi-user, multi-use demands. As a result, our engineers have designed over \$245,000,000 in university residence housing in the last twelve years. And current multi-use residential and hotel an added \$56,000,000.

Below Photo CWU Dugmore Hall Right Photo GU Coughin Residence Hall Bottom Photo WSU Global Scholars Hall

SIX UNIVERSITY CAMPUSES

1M+
SQUARE FEET

3,480







SUSTAINABILITY

BARTO RESIDENCE HALL CENTRAL WASHINGTON UNIVERSITY

Location: Ellensburg, WA

Services: Mechanical

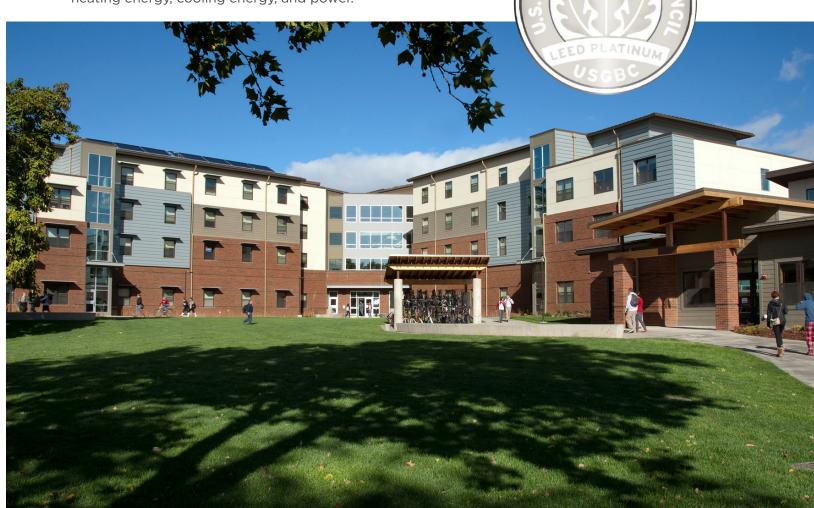
Project Size: 117,000 SF, 360 Beds LEED Status: Certified Platinum

'Mid-Rise, Multi-family Home Pilot Projects'

Mechanical systems which contributed to LEED Platinum certification included solar domestic water heating (taking advantage of the generous Ellensburg blue sky days) to satisfy the large hot water shower demand. Energy is recovered from exhaust air and used to preheat and pre-cool fresh air introduced into the building. Direct digital controls provide control for both the fan coils for the living

units as well as the heating and cooling systems. Controls are adjustable by the students while still affording campus facilities with override capabilities and remote monitoring.

To promote educational awareness, dashboard controls provide meaningful energy feedback to the students of each wing, reporting such data as consumption of cold water, hot water, heating energy, cooling energy, and power.



ELECTRICAL & TELECOMMUNICATIONS

GLOBAL SCHOLARS HALL

WASHINGTON STATE UNIVERSITY

Location: Pullman, WA

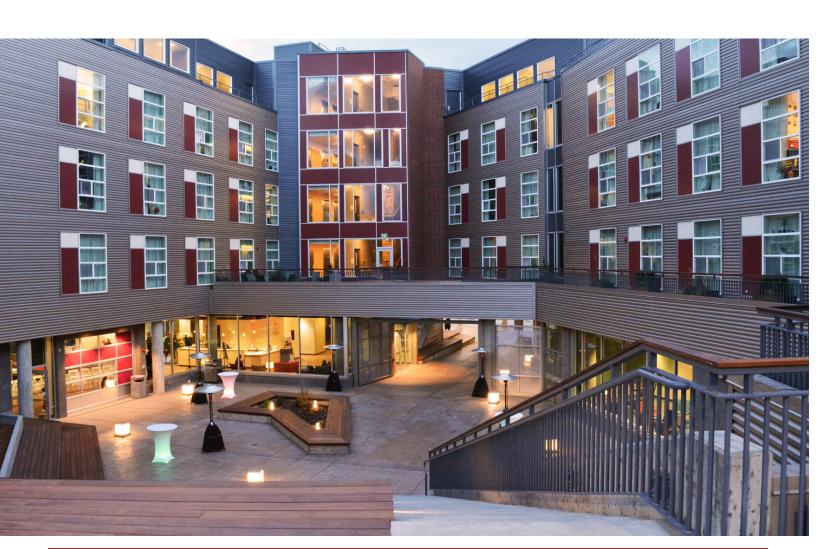
Services: Mechanical, Electrical, Telecommunications, Architectural Lighting

Project Size: 102,500 SF, 275 Beds

LEED Status: Certified Silver 'LEED BD+C New Construction'

As technology changes and the demands for improved performance require upgrades to institutional networks, copper-based local area networks (LANs) become prohibitively expensive and space intensive. Deploying a Passive Optical Network (PON) drastically reduces costs, stabilizes space requirements, and virtually future-proofs network infrastructure while realizing the benefits of converged wired and wireless network services. PON consists of single-mode optical fiber cables and splitters in lieu of traditional copper-based structured cabling systems.

Electrical design highlights for Global Scholars Hall include a popular robust and pervasive WiFi access and telecommunications (voice, data, and video) service delivered to occupants via a Passive Optical Network (PON).





DUGMORE HALL

CENTRAL WASHINGTON UNIVERSITY

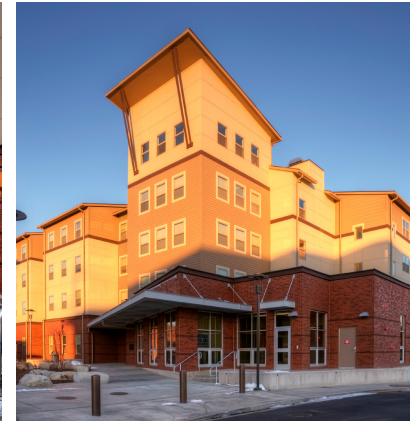
Location: Ellensburg, WA

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting

Project Size: 105,000 SF, 402 Beds







WENDELL HILL HALL CENTRAL WASHINGTON UNIVERSITY

Location: Ellensburg, WA

Services: Mechanical

Project Size: 152,768 SF, 478 Beds



NORTHSIDE RESIDENCE HALL WASHINGTON STATE UNIVERSITY

Location: Pullman, WA
Services: Mechanical

Project Size: 99,655 SF, 300 Beds

LEED Status: Certified Silver



CHIEF JOSEPH APARTMENTS WASHINGTON STATE UNIVERSITY

Location: Pullman, WA

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting

Project Size: 95,882 SF, 101 2-3 Bedroom Apartments



SNYAMNCUT RESIDENCE HALLEASTERN WASHINGTON UNIVERSITY

Location: Cheney, WA

Services: Mechanical, Electrical, Architectural Lighting

Project Size: 104,300 SF, 350 Beds

LEED Status: Certified Silver



Rendering Courtesy of Wolfe Architecture Group

GONZAGA HALL GONZAGA UNIVERSITY

Location: Spokane, WA

Services: Mechanical, Electrical, Architectural Lighting

Project Size: 29,910 SF, 99 Beds



COUGHLIN RESIDENCE HALLGONZAGA UNIVERSITY

Location: Spokane, WA

Services: Mechanical, Electrical, Architectural Lighting

Project Size: 134,400 SF, 600 'Live-Learn' Villa





DELLA STRADA JESUIT RESIDENCE

GONZAGA UNIVERSITY

Location: Spokane, WA

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting

Project Size: 36,000 SF, 37 BedroomsLEED Status: Certified LEED Gold







LIVING & LEARNING COMMUNITY UNIVERSITY OF IDAHO

Location: Moscow, ID Services: Mechanical

Project Size: 152,000 SF, 600 Beds



Rendering Courtesy of CollinsWoerman

5 NEEDLES AT WHITE PINE LODGE SCHWEITZER MOUNTAIN RESORT

Location: Sandpoint, ID

Services: Electrical, Telecommunications, Architectural Lighting

Project Size: 36,350 SF, 26 Condos



NORTHERN QUEST HOTEL & CONFERENCE CENTER EXPANSION

Location: Airway Heights, WA

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting

Project Size: 132,000 SF, 190+ Rooms



Rendering Courtesy of Integrus Architecture

MARINE SECURITY GUARD RESIDENCE US EMBASSY COLOMBO, SRI LANKA

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting



MARINE SECURITY GUARD RESIDENCE US EMBASSY SANTO DOMINGO, DOMINICAN REPUBLIC

Services: Mechanical, Electrical, Telecommunications, Architectural Lighting



- **%** 509.838.9020
- \bowtie contact@mwengineers.com
- mwengineers.com
- © 601 W First Ave, Ste 1300 Spokane, WA 99201