

**Lee F. Holmes, PE,  
CCS, CxA, CPMP, CEA, EMP, EBCP, CEM**

**Support Services of Alaska  
2220 E. 88<sup>th</sup> Street, Anchorage, AK 99507 (907) 278-8212**

Principal Engineer / General Manager

**Position/Title**

Washington University, St. Louis, Missouri  
University of Wyoming, Laramie, Wyoming  
Arctic Engineering at University of Alaska, Anchorage

**Education**

Registered Professional Mechanical Engineer, ME-7744, Alaska (1989)  
Certified Construction Specifier (CCS) – CSI (1986)  
Certified Commissioning Authority (CxA) – ACG (2008)  
Commissioning Process Management Professional (CPMP) - ASHRAE (2011)  
Certified Energy Auditor, Commercial Buildings (CEA) – AEE (2011)  
Energy Management Professional (EMP) – IEM (2012)  
Existing Building Commissioning Professional (EBCP) – AEE (2013)  
Certified Energy Manager (CEM) – AEE (2015)

**Professional  
Licenses  
Certificates**

## Professional Experience

Lee has over 35 years of design and construction experience. Lee has worked on projects throughout the state of Alaska and such diverse locales as Wake Island, the Azores, McMurdo Antarctica, and the South Pole. Lee has extensive experience on all type of projects from the design side, the review side, the owner's side, and the contractor's side. Prior to starting Support Services of Alaska in 2003, Lee was the principal mechanical engineer at RSA Engineering, Inc. for 12 years. He is currently providing commissioning services for several projects on Joint Base Elmendorf – Richardson (JBER), Ft. Wainwright and around the state of Alaska. Lee provided the CxA work for the Ted Stevens Anchorage International Airport (TSAIA) Phase I and Phase 2 renovations and seismic upgrades to the A and B concourses. TSAIA commissioning work included mechanical, life-safety, security systems, paging systems, fire protection systems, and electrical systems. Lee provided the CxA services on the AeroMedical Clinic expansion to the Elmendorf Hospital, the ALCOM Headquarters Renovation, the Dual Bay C-17 Complex, Providence Medical Office Building 2, and regional health clinics in Alaska. Lee designed the mechanical systems for the Lake Otis Medical Plaza in Anchorage. Including 6 OR suites, imaging center, and support spaces. Lee designed the last two operating room additions to the facility as well, OR#7 was added in 2008 and OR#8 was added in 2013. In addition to his years of experience as a design and commissioning professional he is a Certified Commissioning Authority (CxA), Commissioning Process Management Professional (CPMP), Certified Construction Specifier (CCS), Certified Energy Auditor (CEA) for Commercial Buildings, Energy Management Professional (EMP) for combining commissioning and energy efficiency, Existing Building Commissioning Professional (EBCP), and Certified Energy Manger (AEE).

## Representative Commissioning Projects

- FTW374B Battalion Headquarters, Ft. Wainwright, Alaska (Current 2016 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTW374C Duplex COF, Ft. Wainwright, Alaska (Current 2016 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTW373A Warm Storage Hangar, Ft. Wainwright, Alaska (Current 2016 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- USCG New Upper Government Hill Housing, Kodiak, Alaska (Current – 2016 Completion) – Commissioning Agent for the project,

- FTW374A Battalion Headquarters, Ft. Wainwright, Alaska (Current 2015 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- CIRI Headquarters Office Tower, Anchorage, Alaska (Current 2015 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTR251B Brigade Combat Team (Light) Complex, Phase 1A (480 person Barracks) - (Current – 2015 Completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- USCG Building 576 Remodel, Kodiak, Alaska (Current – 2015 Completion) – Commissioning Agent for the project,
- USCG LOWS Repair, Kodiak, Alaska (Current – 2015 Completion) – Commissioning Agent for the project,
- USCG Building 54 Renovations, Kodiak, Alaska (Current – 2015 Completion) – Commissioning Agent for the project,
- FTG170 Heating Hot Water Distribution & Upgrades, Ft. Greely, Alaska (Current – 2015 Completion) – Commissioning Agent for the project,
- USFWS Kenai Visitor Center, Kenai, Alaska (2014) – Commissioning Agent for the project, includes enhanced commissioning for LEED, and adherence to USFWS commissioning and energy guidelines
- JL Properties International and C Street Office Building, Anchorage, Alaska (2014) – Commissioning Agent for the project, LEED certified Silver
- FTW357 GSAB Hangar, Ft. Wainwright, Alaska (2014) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- Bethel Aquatic Center, Bethel, Alaska (2014) – Commissioning Agent for the project,
- FTW Building 4107, Southern Cross Chapel Renovations, Ft. Wainwright, Alaska (2014) – Commissioning Agent for the project
- FTR271A Brigade/Battalion Headquarters, JBER, Alaska (2014) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- Tanana Chiefs Conference JVCP Ambulatory Health Care Facility, Fairbanks, Alaska (2013) – Commissioning Agent for the project, included enhanced commissioning for LEED, Building Certified LEED Gold
- Copper River Native Association Health Clinic, Tazlina, Alaska (2013) – Commissioning Agent for the project, includes enhanced commissioning for LEED, and adherence to Indian Health Services commissioning Guidelines
- USCG Tsunami Recreation Center Renovations, Kodiak, Alaska (2013) – Commissioning Agent for the project.
- Yuut Elitnaurviat Bunkhouse Dormitory, Bethel, Alaska (2013) – Commissioning Agent for the project
- USCG Buildings 4, 5, 6, & 7 Barracks Renovations, Kodiak, Alaska (2013) – Commissioning Agent for the project.
- Mt. Edgecumbe High School Heat Plant Addition, Sitka, Alaska (2013) – Commissioning Agent for the project.
- FTG168 Heating Hot Water Distribution Upgrade, Fort Greely, Alaska (2013) – Commissioning Agent for the project.
- FTR269B Barracks, MEB Phase 1, JBER, Alaska (Current – 2013 completion) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTR269C Brigade Complex COF, JBER, Alaska (2013) – Commissioning Agent for the project, included enhanced commissioning for LEED
- FTW369B Company Operations Facility, Ft. Wainwright, Alaska (2013) – Commissioning Agent for the project, included enhanced commissioning for LEED
- USCG Galley/HVAC Repairs and Upgrades, Valdez, Alaska (2012) – Commissioning Agent for the project.
- FTW1046 Historic Building Remodel, Ft. Wainwright, Alaska (2012) – Commissioning Agent for the project.
- Dorm 2204 Renovation, Eielson AFB, Alaska (2012) – Commissioning Agent for the project
- FTR266 Railhead Operations Facility, JBER, Alaska (2012) – Commissioning Agent for the project
- 176<sup>th</sup> Wing Alaska Air National Guard Hangar 10 + 11 Energy Conservation, JBER, Alaska (2012) – Commissioning Agent for the project
- GSA ALCAN Border Station Energy Upgrades, Tok, Alaska (2012) – Commissioning Agent for the project

- FTW336B Barracks, Ft. Wainwright, Alaska (2012) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- GSA Federal Building Heating System Replacement, Ketchikan, Alaska (2012) – Commissioning Design Review and commissioning plan development for the project
- FTW354 Urban Assault Course, Ft. Wainwright, Alaska (2011) – Commissioning Agent for the project
- FTW347 Railhead Operations Center, Ft. Wainwright, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTR265 Warrior In Transition Center, JBER, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- Goose Creek Correctional Center, State of Alaska Dept. of Corrections, Mat-Su Borough, Alaska (2011) – Owner's commissioning representative, created mechanical RFP, owner's design reviewer
- FTR333 Pistol Qualification Course, Ft. Richardson, Alaska (2011) – Commissioning Agent for the project
- ELM306 AeroMedical Services Mental Health Clinic, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED, LEED Gold Certified
- FTW336C Tactical Equipment Maint. Facility (TEMF), Ft. Wainwright, Alaska (2011) – Commissioning Agent for the project
- ELM301 F-22 Weapons Load Training Facility, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- FTW349 3<sup>rd</sup> Air Support Operations Facility, Ft. Wainwright, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- ELM296 F-22 Field Training Detachment, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project, includes enhanced commissioning for LEED
- CIRI Office Building 11000 C Street, Anchorage, Alaska (2011) – Commissioning Agent for the project, LEED Certified Project
- ELM297 F-22 Squad Ops and 6 bay hangar, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project
- ELM302 F-22 Flight Simulator, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project
- ELM280 F-22 Corrosion Control LO Maint. Facility Phase II, Elmendorf AFB, Alaska (2011) – Commissioning Agent for the project
- Mat-Su Borough Recycling Center, Mat-Su Borough, Alaska (2010) – Commissioning Agent for the project
- ELM285 Alaska Region PME Center, Elmendorf AFB, Alaska (2010) – Commissioning Agent for the project
- FTW300B 144PN Barracks, Ft. Wainwright, Alaska (2010), – Commissioning Agent for the project
- Hangar 18 Renovation, Elmendorf AFB, Alaska (2010) – Commissioning Agent for the project
- F-22 AGE Maintenance Shop, Elmendorf AFB, Alaska (2010) – Commissioning Agent for the project
- TSAIA South Terminal Seismic & Security Retrofit Phase 2, Anchorage, Alaska (2010) – Commissioning Agent for the project
- ALCOM Headquarters, Elmendorf AFB, Alaska (2010) – Commissioning Agent for the project
- C-17 Aircraft Complex, Elmendorf AFB, Alaska (2009) – Commissioning Agent for the project
- Air Force Reserve Headquarters, Elmendorf AFB, Alaska (2009) – Commissioning Agent for the project

## References

- Joel Spano, USACE, (907) 753-2539
- Steve Fishback, Steve Fishback AIA, (907) 375-5584
- John Powell, Unit Company, (907) 777-5705