TOWN OF CASTLE ROCK SERVICES AGREEMENT

(Station 152 Architectural Design)

DATE: ______, 2016.

PARTIES: TOWN OF CASTLE ROCK, a Colorado municipal corporation, 100 N.

Wilcox Street, Castle Rock, Colorado 80104 ("Town").

SHORT ELLIOT HENDERSON, INC., a Colorado corporation, 2000 South Colorado Boulevard, Suite 6000, Denver, Colorado 80222 ("Consultant").

RECITALS:

- A. The Town issued a Request for Proposals from qualified firms with expertise in architectural design services.
- B. Consultant timely submitted its proposal.
- C. Town wishes to engage Consultant to provide the services more fully described in the following Agreement and Exhibits.

TERMS:

- **Section 1.** <u>Scope of Services.</u> Consultant shall provide architectural design services related to the Fire Station 152 project, in accordance with Consultant's proposal attached as *Exhibit 1* ("Services").
- **Section 2.** Payment. Consultant shall invoice Town on a monthly basis for the Services rendered in accordance with the rate and fee scheduled identified in *Exhibit 1*. Town shall pay such invoices within 30 days receipt of such invoice. In no event shall the cumulative payment to Consultant exceed \$295,524, unless authorized in writing by Town.
- **Section 3.** Completion. Consultant shall commence the Services upon execution of this Agreement and complete not later than December 31, 2017. Consultant shall devote adequate resources to assure timely completion of the Services. Consultant shall perform the Services under this Agreement using a standard of care, skill and diligence ordinarily used by reputable professionals performing under circumstances similar to those required by this Agreement.

Town shall have the right to terminate this Agreement at any time with 30 days written notice to Consultant. The Town's only obligation in the event of termination shall be payment of fees and expenses incurred up to and including the effective date of termination. Consultant shall turn over all work product produced up to the date of termination.

Rev. 05/2015

- **Section 4.** <u>Subcontractors.</u> Consultant may utilize subcontractors to assist with specialized works as necessary to complete the Services. Consultant will submit any proposed subcontractor and the description of their services to the Town for approval.
- **Section 5.** Assignment. This Agreement shall not be assigned by Consultant without the written consent of the Town.
- **Section 6.** Notice. Any notice required or permitted by this Agreement shall be in writing and shall be deemed to have been sufficiently given for all purposes if sent by certified mail or registered mail, postage and fees prepaid, addressed to the party to whom such notice is to be given at the address set forth on the first page of this Agreement, or at such other address as has been previously furnished in writing to the other party or parties. Such notice shall be deemed given when deposited in the United States mail.
- **Section 7.** Prohibition Against Employing Illegal Aliens. Consultant shall not knowingly employ or contract with an illegal alien to perform work under this contract. Consultant shall not enter into a contract with a subcontractor that fails to certify to the Consultant that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this contract.

Consultant has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under the public contract for services through participation in either the E-verify program or the Department program, as defined in C.R.S. §§ 8-17.5-101(3.3) and 8-17.5-101(3.7), respectively. Consultant is prohibited from using the E-verify program or Department program procedures to undertake pre-employment screening of job applicants while this contract is being performed.

If Consultant obtains actual knowledge that a subcontractor performing work under this Agreement for services knowingly employs or contracts with an illegal alien, Consultant shall:

- A. Notify the subcontractor and the Town within three days that the Consultant has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and
- B. Terminate the subcontract with the subcontractor if within three days of receiving notice required pursuant to this paragraph the subcontractor does not stop employee or contracting with the illegal alien; except that the Consultant shall not terminate the contract with the subcontractor if during such three days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.

Consultant shall comply with any reasonable request by the Department of Labor and Employment made in the course of an investigation that the Department is undertaking pursuant to the authority established in C.R.S. §8-17.5-102(5).

If Consultant violates a provision of this Agreement required pursuant to C.R.S. §8-17.5-102, Town may terminate the Agreement for breach of contract. If the Agreement is so terminated, the Consultant shall be liable for actual and consequential damages to the Town.

- **Section 8.** <u>Insurance.</u> Consultant agrees to procure and maintain, at his own cost, the following policy or policies of insurance. Consultant shall not be relieved of any liability, claims, demands or other obligations assumed pursuant to this Agreement by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.
- A. Consultant shall procure and maintain, and shall cause each subcontractor of the Consultant to procure and maintain a policy with the minimum insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to the Town. All coverage shall be continuously maintained from the date of commencement of services hereunder. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage.
 - 1. Workers Compensation insurance to cover obligations imposed by the Workers Compensation Act of Colorado and any other applicable laws for any employee engaged in the performance of Work under this contract, and Employer's Liability insurance with minimum limits of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) each accident, FIVE HUNDRED THOUSAND DOLLARS (\$500,000) disease-policy limit, and FIVE HUNDRED THOUSAND DOLLARS (\$500,000) disease-each employee.
 - 2. Comprehensive General Liability insurance with minimum combined single limits of ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) aggregate. The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including for contractual and employee acts), blanket contractual, independent contractors, products, and completed operations. The policy shall contain a severability of interests provision.
 - 3. Comprehensive Automobile Liability Insurance with minimum combined single limits for bodily injury and property damage of not less than ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) aggregate with respect to each of Consultant 's owned, hired and/or non-owned vehicles assigned to or used in performance of the services. The policy shall contain a severability of interests provision.
 - 4. Professional Liability insurance with minimum limits of ONE MILLION DOLLARS (\$1,000,000) per claim and ONE MILLION DOLLARS (\$1,000,000) aggregate.
- B. The policies required above, except Workers' Compensation insurance, Employers' Liability insurance and Professional Liability insurance shall be endorsed to include the Town, its officers and employees, as an additional insured. Every policy required above, except Workers' Compensation and Professional Liability insurance, if applicable, shall be primary insurance, and any insurance carried by the Town, its officers, or its employees, shall be excess and not contributory insurance to that provided by Consultant. The additional insured endorsement for the Comprehensive General Liability insurance required

above shall not contain any exclusion for bodily injury or property damage arising from completed operations. The Consultant shall be solely responsible for any deductible losses under each of the policies required above.

- C. Certificates of insurance shall be completed by Consultant's insurance agent as evidence that policies providing the required coverage, conditions and minimum limits are in full force and effect, and shall be subject to review and approval by the Town. Each certificate shall identify the Project and shall provide that coverage afforded under the policies shall not be cancelled, terminated or materially changed until at least 30 days prior written notice has been given to the Town. If the words "endeavor to" appear in the portion of the certificate addressing cancellation, those words shall be stricken from the certificate by the agent(s) completing the certificate. The Town reserves the right to request and receive a certified copy of any policy and any endorsement thereto.
- D. Failure on the part of Consultant to procure or maintain policies providing the required coverage, conditions, and minimum limits shall constitute a material breach of contract upon which at the Town's discretion may procure or renew any such policy or any extended connection therewith, and all monies so paid by the Town shall be repaid by Consultant to the Town upon demand, or the Town may offset the cost of the premiums against any monies due to Consultant from the Town.
- E. The parties understand and agree that the Town is relying on, and does not waive or intend to waive by any provision of this contract, the monetary limitations (presently \$350,000 per person, \$990,000 per occurrence) or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, \$24-10-101, *et seq.*, C.R.S., as from time to time amended, or otherwise available to Town, its officers, or its employees.
- **Section 9.** <u>Indemnification.</u> Consultant expressly agrees to indemnify and hold harmless Town or any of its officers or employees from any and all claims, damages, liability, or court awards including attorney's fees that are or may be awarded as a result of any loss, injury or damage sustained or claimed to have been sustained by anyone, including, but not limited to, any person, firm, partnership, or corporation, to the extent caused by the negligent acts, errors or omissions of Consultant or any of their employees or agents in performing work pursuant to this Agreement. In the event that any such suit or action is brought against Town, Town will give notice within ten (10) days thereof to Consultant.
- **Section 10.** <u>Delays.</u> Any delays in or failure of performance by any party of his or its obligations under this Agreement shall be excused if such delays or failure are a result of acts of God, fires, floods, strikes, labor disputes, accidents, regulations or orders of civil or military authorities, shortages of labor or materials, or other causes, similar or dissimilar, which are beyond the control of such party.
- **Section 11.** <u>Additional Documents.</u> The parties agree to execute any additional documents or take any additional action that is necessary to carry out this Agreement.
- **Section 12.** Entire Agreement. This Agreement represents the entire agreement between the parties and there are no oral or collateral agreements or understandings. This

Agreement may be amended only by an instrument in writing signed by the parties. If any other provision of this Agreement is held invalid or unenforceable, no other provision shall be affected by such holding, and all of the remaining provisions of this Agreement shall continue in full force and effect.

- **Section 13.** <u>Time of the Essence.</u> Time is of the essence. If any payment or any other condition, obligation, or duty is not timely made, tendered or performed by either party, then this Agreement, at the option of the party who is not in default, may be terminated by the non-defaulting party, in which case, the non-defaulting party may recover such damages as may be proper.
- **Section 14.** <u>Default and Remedies</u>. In the event either party should default in performance of its obligations under this agreement, and such default shall remain uncured for more than 10 days after notice of default is given to the defaulting party, the non-defaulting party shall be entitled to pursue any and all legal remedies and recover its reasonable attorney's fees and costs in such legal action.
- **Section 15.** <u>Waiver.</u> A waiver by any party to this Agreement of the breach of any term or provision of this Agreement shall not operate or be construed as a waiver of any subsequent breach by either party.
- **Section 16.** Governing Law. This Agreement shall be governed by the laws of the State of Colorado.
- **Section 17.** <u>Independent Contractor.</u> Consultant and Town hereby represent that Consultant is an independent contractor for all purposes hereunder. As such, Consultant is not covered by any worker's compensation insurance or any other insurance maintained by Town except as would apply to members of the general public. Consultant shall not create any indebtedness on behalf of the Town.
- Section 18. No Third Party Beneficiaries. It is expressly understood and agreed that enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to Town and Consultant, and nothing contained in this Agreement shall give or allow any such claim or right of action by any other third party on such Agreement. It is the express intention of the parties that any person other than Town or Consultant receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.

ATTEST:	TOWN OF CASTLE ROCK
Sally A. Misare, Town Clerk	Paul Donahue, Mayor
Approved as to form:	Approved as to content:
Robert J. Slentz, Town Attorney	Art Morales, Fire Chief
CONSULTANT:	
SHORT ELLIOT HENDRICKSON, INC. a Colorado corporation	
By:	
Its:	

CASTLE ROCK FIRE AND RESCUE STATION #152 PROFESSIONAL DESIGN SERVICES

PROPOSAL OF ANTICIPATED DESIGN FEES





FIRM: Short Elliott Hendrickson (SEH)

Provide a total cost proposal for each design Phase. Each phase proposal shall include all costs for assessment, investigation, design, subconsultants, meetings, reimbursable expenses and revisions required to meet the requirements of CRFD and provide a complete, operational facility

PHASE	
Programming	\$12,827.00
Schematic Design	\$47,364.00
Design Development	\$79,053.37
Construction Documents	\$112,879.08
Contract Administration	\$43,400.33
TOTAL for Complete Project	\$295,523.78
For information, all costs included in above:	
Total Estimate for Reimbursable Expenses	\$ 2,886.25
% Markup on Reimbursable Expenses	0%
% Markup on Sub Consultants	0%

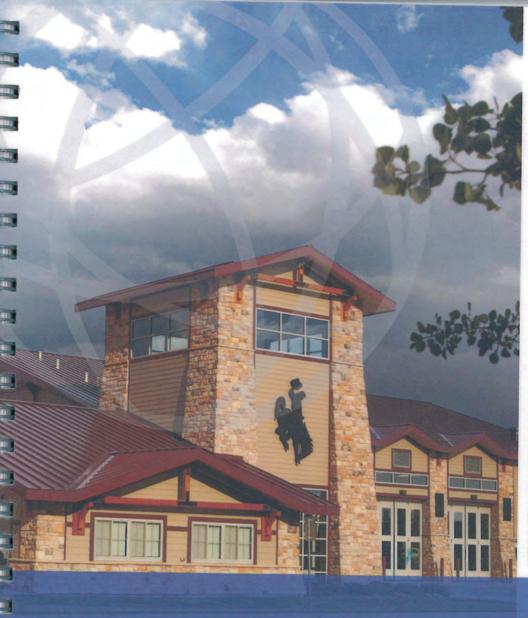
Signature: Jeffrey Pedersen, AIA LEED GA Date: August 2nd 2016

Inclusions

- 1. Fire Station Programming
- 2. Site Planning
- 3. Site Survey
- 4. Full Service Architectural Design
- 5. Civil Engineering, including Stormwater Management, Drainage Report, GESC, Autoturn Analysis
- 6. Utilities Design
- 7. Landscape Design
- 8. Traffic Studies Per Addenda email Traffic Analysis has been excluded
- 9. Structural Engineering
- 10. Mechanical & Plumbing Engineering
- 11. Electrical Engineering
- 12. Fire Alarm Design Fire Suppression Design
- 13. Interior Design/FFE
- 14. Lighting Design
- 15. Signage/Wayfinding & Graphic Design
- 16. Tele/Data, Security and Audio Visual Systems
- 17. LEED Certification Per Addeda Email, LEED Certification will not be requried but incorporation of LEED Principles has been included
- 18. Acoustical Engineering
- 19. Public Outreach and Meetings
- 20. Construction Administration
- 21. Opinions of Probable Cost

Assumptions and Exclusions

- 1. GEOTECH Services have not been included but can be subcontracted at \$3,500 additional
- 2. Site Development Plan Submittal has been included, but platting of property is excluded
- 3. Mineral Rights assumed to be provided by Owner
- 4. Land Suitability Analysis Report (LSAR) assumed to be informed entirely by Owner provided data
- 5. Zoning Documentation is excluded
- 6. Preliminary and Final Plat Documents is excluded
- 7. Offsite roadway improvements are excluded
- 8. Energy Modeling is excluded
- 9. Includes 1 round of City review comments for Permitting and Site Development







Proposal for Architectural Services

Castle Rock Fire Station 152

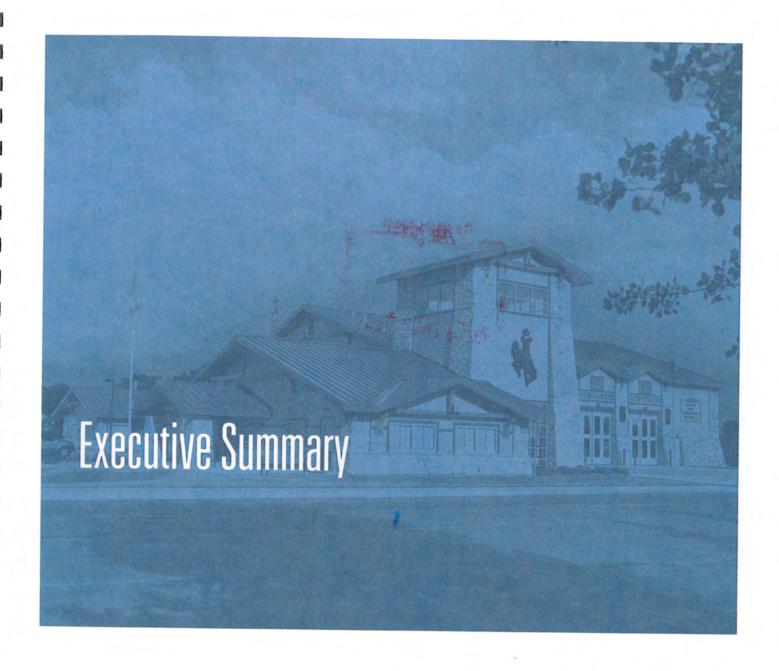
Town of Castle Rock, Colorado | April 1, 2016







Building a Better World for All of Us®

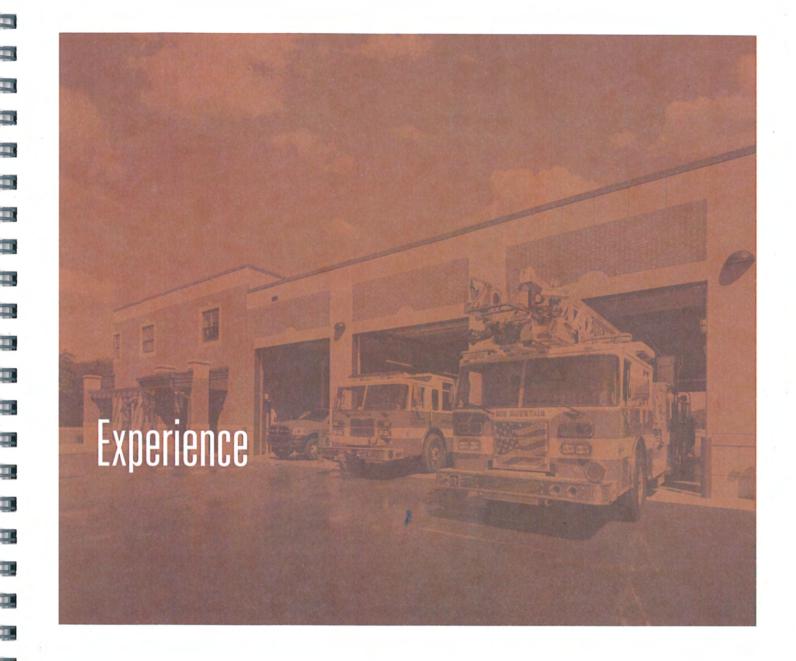


Cover Letter SEH Company Overview Castle Rock

Q 2016

Fire & Rescue Dept.

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- 1. Company History, Background and Experience
- 2. Similar Project Experience
- 3. Project Funding
- 4. References
- 5. Current Projects and Availability

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Experience

1. Company History, Background and Experience

SEH.

Short Elliott Hendrickson Inc.

Role: Architecture, Civil Engineering, Structural Engineering, Survey

SEH sees architectural design as an opportunity to improve the way we interact with one another and our environment. We see an opportunity to unite form and function, style and durability, and beauty and purpose in ways that support our clients' needs.

Although experienced in a diverse mix of projects, our architects are especially experienced in municipal and civic work with public safety facilities, including police and fire as a main focus. Our integrated project teams understand how to make the most of your investment and design functional and sustainable facilities that work for those who own, use and maintain them.

Modern fire stations must support and provide for the educational, training and physical demands placed on today's fire fighters. Fifteen years ago, hazardous materials response, pre-hospital advanced life support, public education, fire protection inspections and response to terrorism incidents were seldom considered. Today, fire service and other emergency response agencies frequently respond to such incidents.

Our staff is familiar with all aspects of the seemingly endless list of design considerations that must be addressed early in the planning process. This early planning limits the need for designers to "back-track" to include a feature that may have been overlooked but is vital to the department's response protocol. To help evaluate each of these design considerations, SEH has developed a tool – a *Fire Station Design Guide* (see Appendix) – that we will use in the planning of the station and to help guide discussions with Chief Morales, his staff, the Fire Station Design Group and other community stakeholders to identify operational components of a fire/EMS response facility that could affect building design.

Lessons Learned

SEH has designed over 100 fire stations and will use this valuable insight for the design of Fire Station 152. We know how important it is to not just use and reuse the items that work, but to stretch the design for today and tomorrow. We do this by listening to our clients and their needs, then incorporating that into our design standards. So, when you work with SEH, you are getting a custom, yet proven design.

We are happy to share this information at one of our early workshops with Castle Rock's Fire Station Design Group.

Necessary Resources

With more than 70 staff in the Denver regional office and close to 800 staff members company-wide, SEH has more than adequate capacity to provide architectural services for Town of Castle Rock Fire Station 152.



Marshfield Fire and Rescue – Marshfield, Wis.

SEH Fire Station Design Services

Our fire station design services include:

- · Site evaluation
- · Space needs studies
- Programming
- · Code analysis
- · Structural evaluation
- Asset management
- · Building condition studies
- · Restoration and renovation plans
- · Roofing design
- · Interior design
- · Schematic design
- · Design development
- · Construction administration
- Construction documents
- · Public involvement
- Vulnerability/homeland security evaluations
- · Grant applications

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SEH WAS FOUNDED IN (We're 89 years old!)

LOCAL IN-HOUSE **PROFESSIONALS** IN COLORADO



SEH ARCHITECTS **INCORPORATE** SUSTAINABLE: **DESIGN PRINCIPLES** IN ALL OF OUR PROJECTS

SEH HAS COMPLETED

FIRE STATION DESIGNS



FIRE STATIONS FOR MUNICIPALITIES IN

STATES







RAISED BY SEH FOR CLIENTS SINCE



EMPLOYEE OWNED



OF OUR CLIENTS ARE REPEAT CUSTOMERS



SUBCONSULTANTS

The Ballard Group, Inc.

Role: Mechanical Engineering, Plumbing, Fire Protection

The Ballard Group, Inc. (Ballard) was established in 1978 to provide quality mechanical engineering services of heating, ventilation, air conditioning, plumbing and fire protection systems. The breadth of our portfolio plus our commitment to continually enhance our knowledge-base and stay current or ahead of the curve with the latest innovations in design and technology enables the design of comprehensive, sound and innovative mechanical systems tailored to the individual needs of every client, on time and within budget. We are committed to provide energy efficient mechanical and plumbing system designs regardless of the owner's plans to achieve LEED Certification or simply to build a cost and energy efficient facility.

SEH is currently working with Ballard on the Fire Station/Town Hall shared facility project in Bennett, Colorado. The 40,000 sq. ft. facility, currently in the design phase, will include a fire station with drive-through apparatus bays, administrative areas and sleeping quarters; a town administration area with offices and conference rooms; and shared spaces with a municipal courtroom and training room.

CMO Consulting Engineers, LLC

Role: Electrical Engineering

CMO Consulting Engineers, Inc. (CMO) is a locally-owned M/WBE electrical engineering firm. Established in 2011, CMO's projects range from code reviews and studies to healthcare, laboratory and various other commercial and industrial projects. They have a solid record of effectively completing designs that meet the needs of the owner and that can be constructed within budget. CMO works with owners, contractors and architects on all aspects of construction projects including project planning and studies, designbuild and design bid-build projects. They review alternates prior to finalizing design and take an active role in meetings to bring their experience to the table so that all options can be considered. CMO has fully embraced the BIM world and uses it as the standard, not as an option.

SEH is currently working with CMO on the Rocky Ford Public Safety Facility, a 30,000 sq. ft. adaptive reuse joint fire station/public safety facility that will feature seven apparatus bays for the fire department, a police vehicle sally port, a temporary detention facility and a community/training room; and on multiple new construction and renovation projects as part of a \$3 million on-call contract with Regional Transportation District (RTD) including the Mariposa Maintenance of Way Remodel, Platte Bus Maintenance Facility Bus Hoist Replacement and Platte Bus Maintenance Facility Mall Bus Charging Stations.



Office Location

2525 South Wadsworth Boulevard. Suite 200 Lakewood, CO 80227 303.988.4514



Office Location

11646 Sun Bear Trail Golden, CO 80403 303.875.4037



The Platte Valley Fire Protection District's (PVFPD) new facility is a five-year collaboration between the PVFPD and SEH that began in 2007 with facility programming, basic design and preliminary budgeting. The new facility enables the PVFPD to more effectively serve 190 square miles of incorporated and unincorporated Weld County.

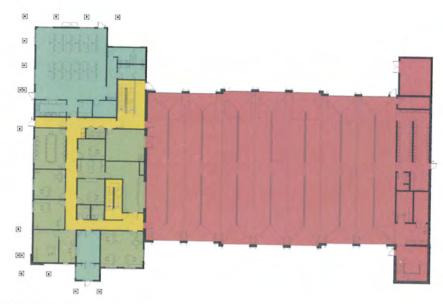
To maximize the value of dollars spent on the facility, SEH incorporated low-maintenance, energy-efficient features. Four-fold bay doors open more quickly and are less likely to be damaged, an energy recover ventilator improves air quality and energy-efficient lighting and fixtures are used throughout.



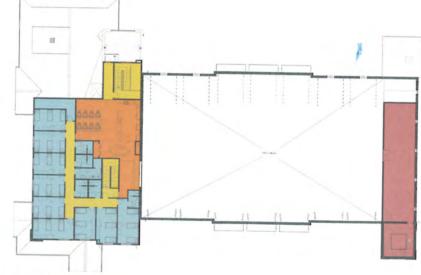
Client:Platte Valley Fire Protection
District

Project Size: 34,000 sq. ft.

Project Dates: 2007 – 2012 Project Cost: \$5,634,329



First floor plan



Second floor plan





Features

- Seven, double-loading, apparatus bays
- · Nine sleeping rooms
- Six administrative offices, private conference room and work areas
- 80-person community room
- · Training grounds
- · Emergency operations center

SEH Services

- · Architecture
- · Civil engineering





First floor plan

Features

- Five double-loading apparatus bays with accessory use areas
- Hose tower used as a display area for a historic pumper
- Community room with warming kitchen
- Living quarters with eight sleeping rooms, day room, kitchen, dining, laundry and fitness
- · Two mezzanine storage areas

SEH Services

- Architecture
- · Civil engineering







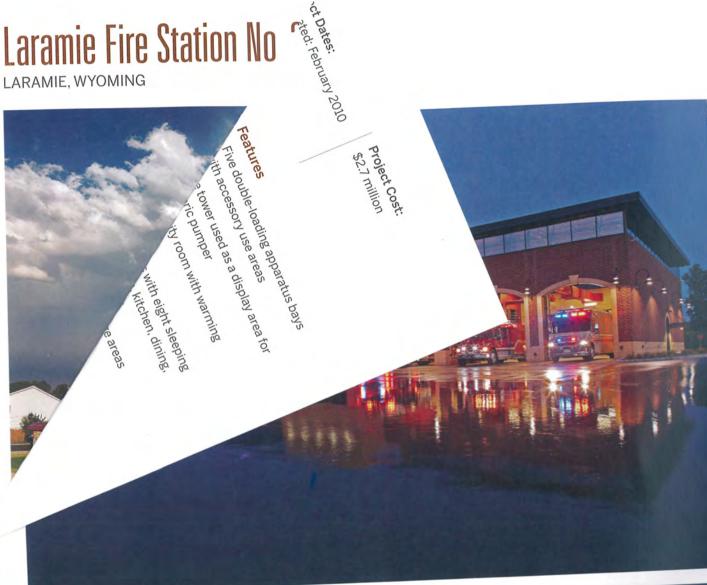
Laramie Fire Station No. 3

LARAMIE, WYOMING



SEH provided full architectural and civil design services from initial programming to construction administration. Sited on 1.15 acres, the facility consists of five drive-through bays, living quarters, community areas and administrative offices. SEH's exterior design included simulated stone, fiber-cement siding and standing seam metal roofing. The project integrated sustainable design elements with a strong emphasis on natural daylighting and renewable materials. The design included roadway improvements, a regional detention pond and an underground dewatering system.





The new 38,000 sq. ft. Fire Safety Center is located on a centralized four-acre site to provide a high level of emergency response time and training in the City's busiest district. The Center includes a fire station, emergency operations center, shared police and fire training tower, police evidence storage, administration space and firefighter dormitories.

The project is the first Green Globes Certified fire station in the country and includes many sustainable features, including geothermal ground-source heating and cooling pumps with an estimated seven-year payback. The design incorporates wood planking from trees removed from the site in the walls of a display room containing an antique fire truck and police car.









Features

- New police and fire administration building
- State-of-the-art training features including tower and rescue simulation room
- First U.S. fire station certified under Green Globes Sustainable Design Program
 - Energy-saving LED exterior lighting
 - Reflective white roof
 - Reclaimed wood from the site used for millwork
 - Geothermal ground source pumps for heating and cooling

SEH Services

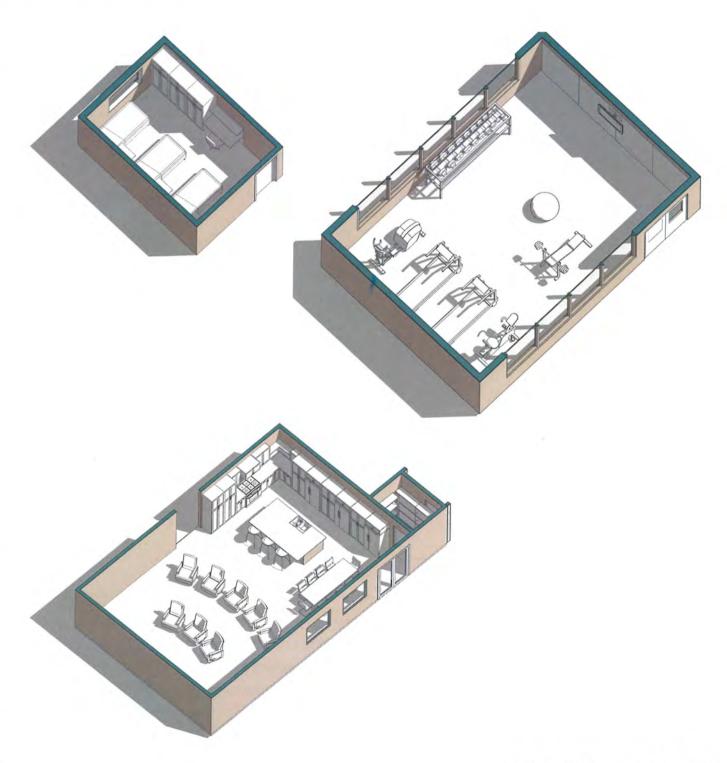
- Architecture
- · Interior design
- Landscaping



Fire Station Design Guide

Designing Fire Stations to Meet the Demands of the Future

The SEH Fire Station Design Guide is a comprehensive review of all aspects of design and construction of today's fire stations. The following pages are excerpts from SEH's Fire Station Design Guide. These pages were selected based on our understanding of the City of Castle Rock's needs for Fire Station 152. We have included the SEH Fire Station Design Guide in its entirety in the Appendix of this proposal.



Stations Currently in Design

Bennett Joint Facility

BENNETT, COLORADO



Shared facility for both the Town of Bennett and the Bennett Fire Protection District targeting LEED Gold Certification. The facility, currently in the design phase, will include a fire station with drive-through apparatus bays, administrative areas and sleeping quarters; a town administration area with offices and conference rooms; and shared spaces with a municipal courtroom and training room.

Features

- · 40,000 sq. ft.
- · Five apparatus bays
- · Eleven sleeping rooms
- Municipal courtroom/community room/training room

Laramie County Fire Station

CHEYENNE, WYOMING



Laramie County hired SEH to provide programming, planning and conceptual design for a new fire station at the Laramie County Archer Complex. The new facility is sited on a green-field at this county governmental complex and will serve east county residents in Fire Districts 1 and 2.

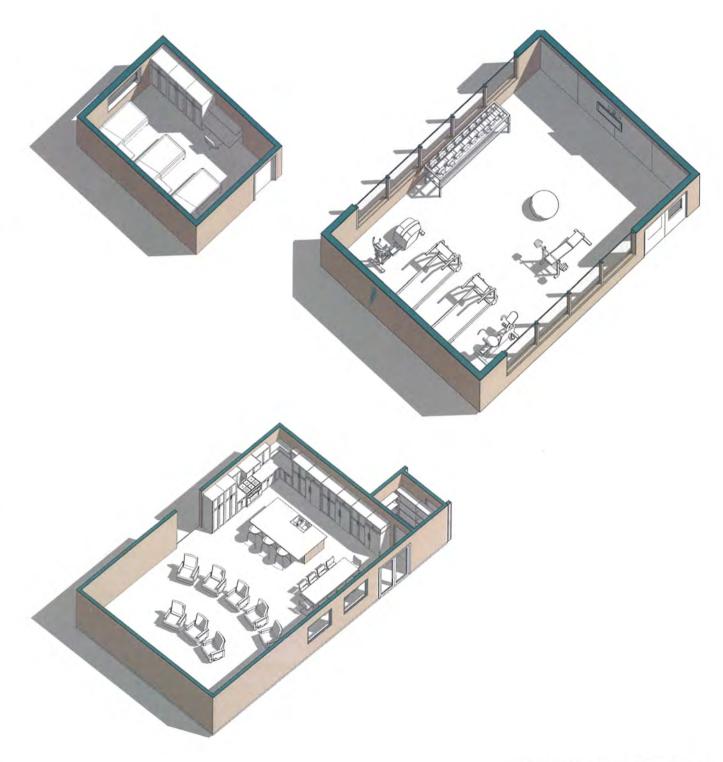
Features

- · 12,000 sq. ft.
- · Four apparatus bays
- · Six sleeping rooms
- 30-person community room
- · Fitness room

Fire Station Design Guide

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Laramie County Fire Station

CHEYENNE, WYOMING

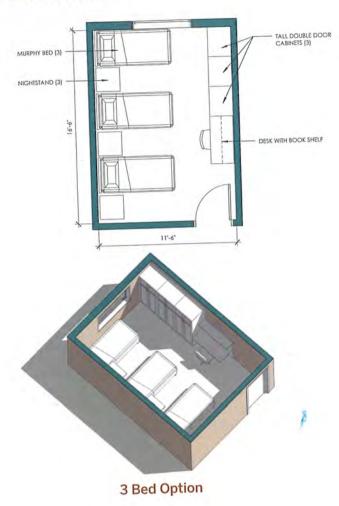


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Features

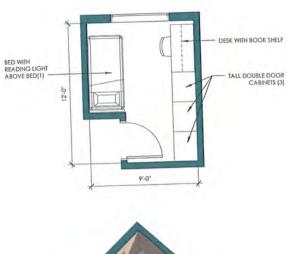
- · 12,000 sq. ft.
- · Four apparatus bays
- · Six sleeping rooms
- · 30-person community room
- · Fitness room

Dorm Room





- · Work/study area.
- · Window for natural daylight.
- Operable window for natural ventilation during comfortable months.
- Study/work desk with book shelf.
- · Bedside reading light, or wall mounted.
- Three lockable lockers for three individual shifts.
- · Sound insulated.
- Located away from noise producing spaces.
- Data/Wifi capabilities.
- · Comfortable.





1 Bed Option

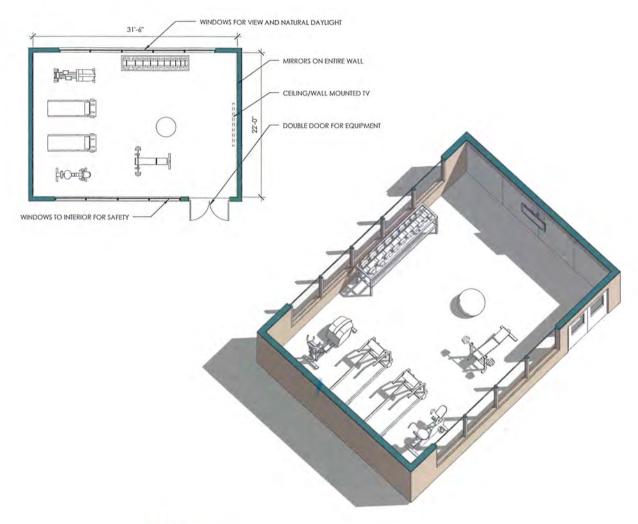
3 Bed Option

- More space intensive.
 - Ability to sleep more people in an emergency operation.
- · Optional: Murphy beds.
 - Can be folded up during normal operation to provide more personal space.

1 Bed Option

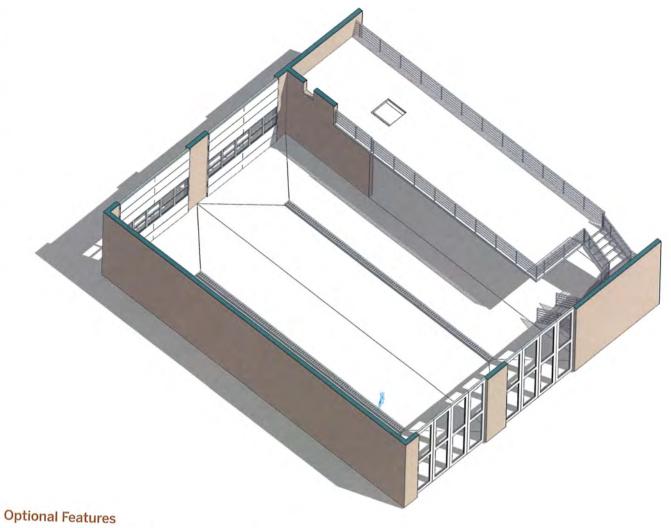
- · Less space intensive.
- Regular bed; can provide more storage under the bed.

Fitness Room



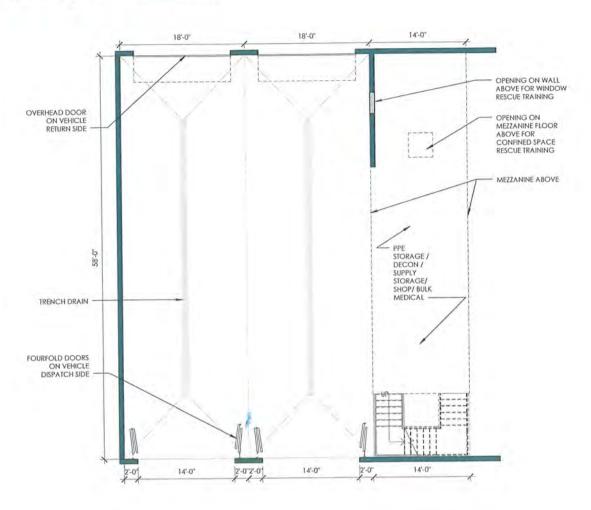
Features

- · Mirrors covering one entire wall.
- · Rubber athletic flooring.
- Open ceiling for ropes/bags mounting.
- · Wall/ceiling mounted television.
- · Floor outlets for exercise equipment.
- · Interior windows for safety spotting.
- · Located away from quiet areas.
- · Acoustic treatments to isolate noise.
- · Windows for view and natural daylight.
- Drinking fountain with bottle filler.
- · Adjacent to indoor or outdoor living area.



- CMU walls on mezzanine for training, painted dark color for ease of maintenance.
- · Hatch opening on mezzanine for confined space rescue training.
- Removable railing on mezzanine for training or large storage items.
- Window high on bay wall for rescue training.
- Additional adjacent storage for refilling bulk medical supplies.

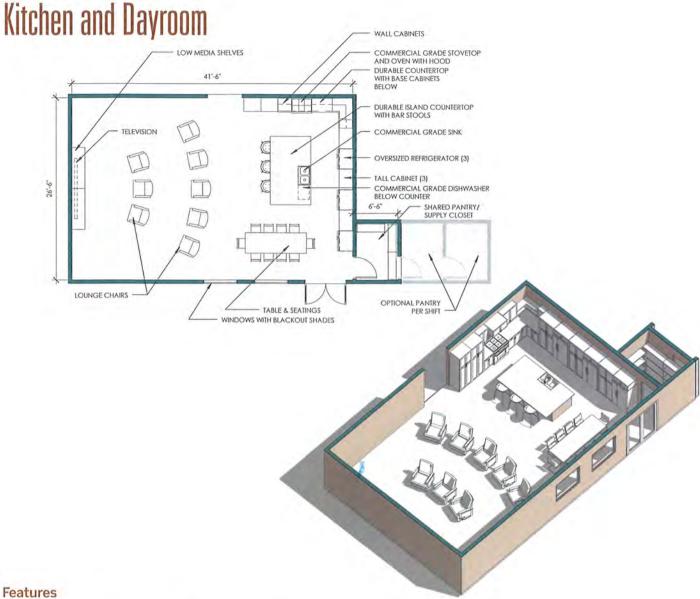
Apparatus Bay and Mezzanine



Features

- · Easy access from any point in the station.
- Direct adjacency to PPE storage. Shop, Decon, Apparatus storage.
- Fourfold doors on vehicle dispatch side for faster turnout time.
- Glazing on apparatus bay doors for visual connection to back and front aprons.
- · 22 ft. minimum clear to bottom of structure.
- · Chemical resistant seal on flooring for easy cleanup.
- Full length trench drain on each bay connected to sand/ oil separator. Floor slopes to trench drains.
- Sealed walls and doors to prevent exhaust migration.
- · Tailpipe and general area exhaust systems.
- Power cord reels on each apparatus bay.

- · Fill lines for each apparatus bay.
- · Overhead radiant heaters.
- Additional operable windows for daylighting and ventilation.
- Additional man doors to access apron without opening apparatus bay doors.
- · Ceiling fans.
- · Hose rack/drying.



Features

- · Durable and attractive countertop and casework materials.
- · Oversized sink with tall gooseneck faucet.
- · Commercial grade appliances including: range with EPO switch, range hood, oven, dishwasher and microwave.
- · Oversized refrigerators (three).
- · Tall pantry cabinets (three).
- · Outdoor dining/grilling patio adjacency.
- · Bar height counter and stools.
- · Separate pantry for shared storage and loud equipment.
- · Television, media shelving and recliners.
- · Large dining table with seating.
- · Operable windows for natural daylight and ventilation with complete blackout shades.

Optional Features

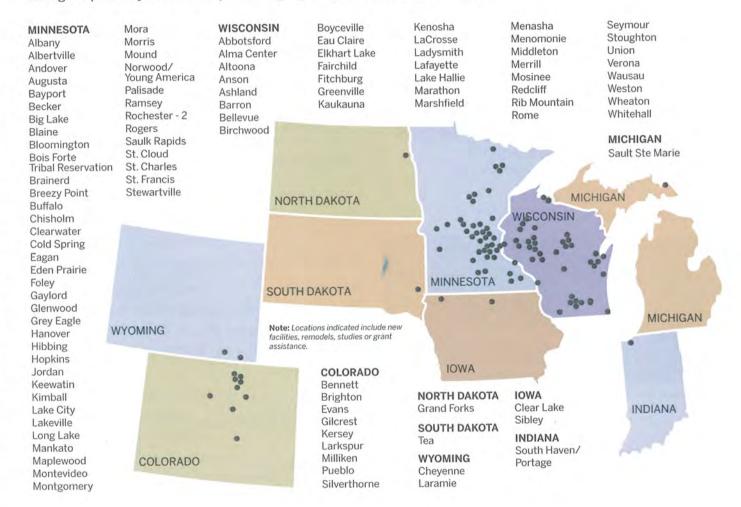
- · Common refrigerator.
- · Prep sink.
- · Ice maker and upright freezer within pantry to mask sound.
- · Work area.
- · Operable partition to separate between dayroom and kitchen.

Additional Examples of Success



FIRE STATION PROJECT LOCATIONS

SEH has completed more than 300 municipal facility studies, assessments and designs in the past 10 years. In addition, SEH has completed more than 100 fire station projects and 30 police/law enforcement projects during the past 20 years. The map below highlights our fire station experience.

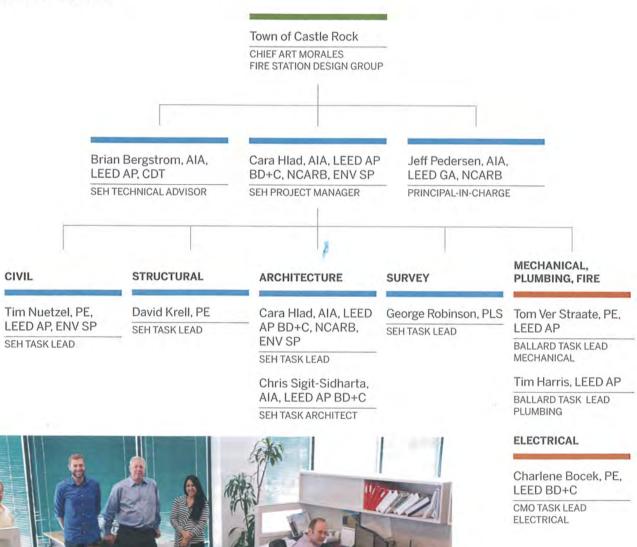


Staff

Project Team Organization

We have assembled a team with not only extensive fire station design experience, but also a team with a history of working together on successful projects. We are committed to keeping this team together and focused on your project. This team comes prepared to understand your needs and operations and make thoughtful, responsible recommendations that will help the Town of Castle Rock develop a design for Fire Station 152 that provides a highly functioning, durable and efficient facility. With the exception of mechanical, plumbing and electrical, all disciplines are provided by SEH in-house.

The organizational chart below identifies the key personnel for this project. We follow the organizational chart with resumes for those team members.



The SEH architectural team looks forward to working with Castle Rock on the design for Fire Station 152.



EDUCATION

Master of Architecture Cranbrook Academy of Art Bloomfield Hills, Mich.

Bachelor of Design Architecture University of Florida Gainesville

REGISTRATIONS/ CERTIFICATIONS

Architect in Arizona, Colorado, Michigan, Texas, Wyoming and Montana (Pending)

LEED Green Associate (LEED GA), U.S. Green Building Council (USGBC)

Architect, National Council of Architectural Registration Boards (NCARB)

PROFESSIONAL ASSOCIATIONS

American Institute of Architects (AIA), Associate

Urban Land Institute (ULI), Member

U.S. Green Building Council (USGBC), Member

Downtown Denver Partnership, Inc., Member

Jeffrey G. Pedersen, AIA, LEED GA

Principal, QA/QC, Contract Manager

Mr. Pedersen is a principal and director of architecture for SEH's western region. He has 32 years of experience in design, development and management in several market sectors. His experience with municipal and civic projects will apply specifically to your new Fire Station. Jeff is well-versed in municipal project approval, having successfully spearheaded several controversial projects through their entitlement processes. He possesses the calm and confident demeanor necessary for managing intricate teams of owners, consultants and project stakeholders. Jeff is involved in several professional and civic organizations, including the Urban Land Institute and Downtown Denver Partnership.

EXPERIENCE

Platte Valley Fire Station (Platte Valley Fire Protection District) - Kersey, Colo. Project principal for new 34,000 sq. ft. fire station headquarters. The design included seven drive-through apparatus bays, administrative offices, an 80-person community room, mezzanine storage, living quarters for eight career staff, a fitness room, training grounds and plans for a future emergency operations center. Jeff's involvement included schematic design, quality assurance/quality control and project financial oversight.

Laramie County Fire Station (Laramie County) - Chevenne, Wyo. Project principal for the design of a new 14,000 SF fire station that will be shared by two districts at the Laramie County Archer Government Complex in Cheyenne. This is a four bay station with sleeping quarters for twelve and a training room that will double as a community room. Design is underway with construction planned for 2017.

Fire Station/Town Hall (Town of Bennett and Fire Protection District) - Bennett, Colo. Project principal for a 40,000 sq. ft. shared space for both the Town of Bennett and the Bennett Fire Protection District targeting LEED Gold Certification. The facility, currently in the design phase, will include a fire station with drive-through apparatus bays, administrative areas and sleeping quarters; a town administration area with offices and conference rooms; and shared spaces with a municipal courtroom and training room, Jeff's role as Principal on the project encompasses advising the client, helping with public outreach, managing consultants and contributing to design of the campus.

Cottonwood Joint Fire/Public Works Facility (City of Silverthorne and Lake Dillon Fire Protection District) - Silverthorne, Colo.

Project principal for this joint six-acre campus project which included three facilities: an 11,800 sq. ft. fire station, a 10,200 sq. ft. public works facility and an 8,000 sq. ft. future administration building. The design incorporates a community trail, while the building orientations are designed to take advantage of sunlight, which also helps to minimize freezing on the apparatus drives. The fire station includes four apparatus bays, accessory use areas, administrative offices, a training room and firefighter living quarters. The public works building includes two bays and administrative space. The design allows for a final build-out of 23,600 sq. ft.

Joint Police/Fire Training Facility (Norris Design) - Aurora, Colo.

Project principal for the programming and master plan for a new 45-acre joint police and fire training facility for the police and fire departments. The master plan includes indoor training and administrative space as well as outdoor training fields, fire burn buildings and a training track for police and fire vehicles. The Master Plan was completed in late 2013.

Cara A. Hlad, AIA, LEED AP BD+C, NCARB, ENV SP

Architect, Project Manager

Ms. Hlad is a licensed architect, project manager and sustainability professional (LEED and ENVISION) with experience in architectural design, teaching, construction management, chemical and hazardous materials analysis, egress and life safety code assessment and program management. Cara specializes in technical writing as well as sustainability implementation throughout the design and construction applications of water infrastructure and commercial projects all over the world.

EXPERIENCE

Fire Station/Town Hall (Town of Bennett and Fire Protection District) – Bennett, Colo. Project manager and architect for the \$10 million shared facility including Town Hall Administration and Public Works as well as a Fire Station. The facility is a two-story, 40,000 sq. ft. space that houses critical town functions, including a public courtroom, drive-through apparatus bays and dormitories for fire protection staff.

Cottonwood Joint Fire/Public Works Facility (City of Silverthorne and Lake Dillon Fire Protection District) – Silverthorne, Colo.

Project manager and architect for the planned joint facility and campus which includes a 10,000 sq. ft. public works facility and an 8,000 sq. ft. fire station. The public works facility is a two-story space which houses critical town functions, including records storage, vehicle maintenance bays, locker rooms, offices, public works equipment and parts storage. The design incorporates a community trail, while the building orientations are designed to take advantage of sunlight, which also helps to minimize freezing on the apparatus drives. The fire station includes four apparatus bays, accessory use areas, administrative offices, a training room and firefighter living quarters.

Public Safety Facility (City of Rocky Ford) - Rocky Ford, Colo.

Architect and specification writer for the 30,000 sq. ft. joint fire station and public safety facility. The facility is an adaptive reuse and addition to an existing 14,000 sq. ft. indoor flea market space. The project features seven apparatus bays for the fire department, a police vehicle sally port, a temporary detention facility and a community/training room. The project is a candidate for Green Globes Certification.

Civic Center Plaza (Regional Transportation District (RTD)) - Denver, Colo.

Project manager for the \$20 million renovation to RTD's Civic Center Bus Transfer Facility and related plaza spaces above. The renovation included re-design of the pedestrian concourse, RTD ticketing, maintenance and restrooms, as well as FTA's Safety and Security Certification and ADA accessibility improvements. Cara's responsibilities included overall project management, consultant management, client relations, design, permitting, code analysis, construction administration and management of the Safety and Security Certification process.



EDUCATION

Bachelor of Arts Architecture University of Miami Miami, Fla.

Masters of Science Real Estate and Construction Management University of Denver Denver, Colo.

REGISTRATIONS/ CERTIFICATIONS

Architect in Colorado, Oklahoma and North Dakota

LEED AP BD+C, U.S. Green Building Council (USGBC)

ENVISION Sustainability Professional (ENV SP), Institute for Sustainable Infrastructure

Architect (#126124, 2006), National Council of Architectural Registration Boards (NCARB)

PROFESSIONAL ASSOCIATIONS

NCARB ARE Graphic Portions, Writer and Committee Member

American Institute of
Architects (AIA), Colorado:
Young Architects Forum (YAF),
Committee Chair; Associate's
Committee of AIA Denver
(ACAD), Committee Chair;
Denver Board of Directors,
Associate Director; AIA Honor
Awards, Juror; Denver Board
of Directors, AIA Denver ARE
Study Group, Founding Chair,
AIA Grassroots Conference,
Attendee and Advocate for
Architectural Legislation



EDUCATION

Bachelor of Science Architecture University of Minnesota Minneapolis

Associate of Science Architectural Drafting Northwest Technical Institute Eagan, Minn.

REGISTRATIONS/ CERTIFICATIONS

Architect in Wisconsin and Oklahoma

LEED Accredited Professional, U.S. Green Building Council (USGBC)

Certified Construction Document Technologist (CDT)

PROFESSIONAL ASSOCIATIONS

American Institute of Architects (AIA), Member

Brian M. Bergstrom, AIA, LEED AP, CDT

Technical Advisor

Mr. Bergstrom is a Senior Architect with 16 years of experience in architectural-related work. His responsibilities include managing, designing, drafting, code analysis, environmental review and construction administration on municipal, recreational, educational facilities and Housing and Redevelopment Authority (HRA) projects. Brian has worked on projects that range from small-scale building renovations to mid-sized multi-faceted public works facilities, to large-scale performing arts theaters. These projects often are done with environmentally sustainable objectives in mind.

EXPERIENCE

Fire Safety Campus (City of Eagan) - Eagan, Minn.

Project lead on the \$6 million, 38,000 sq. ft. new fire station. Brian worked closely with the owner's representative, construction manager and project engineers to assist in the development of what is planned to be the first Green Globes Certified fire station in the state of Minnesota. Specific tasks performed included development of design and construction documents that incorporated sustainable building elements such as a ground source heat pump, high recycled content building materials, vegetated roof tops and high efficient LED lighting. The project also incorporated wood paneling and decorative trim milled from trees that were cleared on the building site to reduce landfill waste. Brian is also leading the team through the Green Globes documentation process. The project includes apparatus bays, large training rooms and facilities, administrative offices, antique truck display, firefighter dorm and living quarters.

Laramie County Fire Station (Laramie County) – Cheyenne, Wyo.

Project fire station planner for the design of a new 14,000 SF fire station that will be shared by two districts at the Laramie County Archer Government Complex in Cheyenne. This is a

four bay station with sleeping quarters for twelve and a training room that will double as a community room. Design is underway with construction planned for 2017.

Fire Station/Town Hall (Town of Bennett and Fire Protection District) – Bennett, Colo. Project fire station planner for a 40,000 sq. ft. shared space for both the Town of Bennett and the Bennett Fire Protection District targeting LEED Gold Certification. The facility, currently in the design phase, will include a fire station with drive-through apparatus bays, administrative areas and sleeping quarters; a town administration area with offices and conference rooms; and shared spaces with a municipal courtroom and training room.

Fire/Police Department South Station (City of Maplewood) – Maplewood, Minn. Project designer for the 18,000 sq. ft. fire station building. The \$3.6 million project included four drive-through apparatus bays along with gear storage, laundry and equipment storage spaces. The station is staffed on a full time basis and included eight private dorm rooms along with a kitchen, dayroom and exercise room. Brian's role included development of preliminary concept building plans, elevations and site plans.

Sheriff's Office Renovation and Addition (Murray County) – Slayton, Minn. Project manager on the renovation of the existing 3,000 sq. ft. facility and a two-story 7,000 sq. ft. addition. The renovated area accommodates a dispatch center, computer lab and office space, while the addition includes evidence storage, reception area, meeting and interview rooms and office space. Brian's responsibilities included facilitating close coordination with the Owner and communications with mechanical, electrical and structural engineering subconsultants. He also led the project team through the bidding and construction phases of the project.

Christopher L. Sigit-Sidharta, LEED GA, GGP

Architect

Mr. Sigit-Sidharta is a graduate architect with seven years of experience in design and leading production in all phases of design including bidding procedures and construction administration for new construction and building renovations. Chris's experience includes municipal projects; fire station, police and town hall; commercial and mixed-use buildings; and tenant improvement projects. Chris brings experience in the following software: Autodesk Revit Architecture, AutoCAD, SketchUp, Adobe Photoshop and InDesign.

EXPERIENCE

Platte Valley Fire Station (Platte Valley Fire Protection District) – Kersey, Colo. Graduate architect for this new 34,000 sq. ft. fire station headquarters. The design included seven drive-through apparatus bays, administrative offices, an 80-person community room, mezzanine storage, living quarters for eight career staff, a fitness room, training grounds and plans for a future emergency operations center. Chris was responsible for production of presentation, construction drawings, business development documents, construction administration and consultant coordination.

Fire Station/Town Hall (Town of Bennett and Fire Protection District) – Bennett, Colo. Facility assessment coordinator for a 40,000 sq. ft. shared space for both the Town of Bennett and the Bennett Fire Protection District targeting LEED Gold Certification. The facility, currently in the design phase, will include a fire station with drive-through apparatus bays, administrative areas and sleeping quarters; a town administration area with offices and conference rooms; and shared spaces with a municipal courtroom and training room.

Cottonwood Joint Fire/Public Works Facility (City of Silverthorne and Lake Dillon Fire Protection District) – Silverthorne, Colo.

Graduate architect for this joint six-acre campus project which included three facilities: an 11,800 sq. ft. fire station, a 10,200 sq. ft. public works facility and an 8,000 sq. ft. future administration building. The design incorporates a community trail, while the building orientations are designed to take advantage of sunlight, which also helps to minimize freezing on the apparatus drives. The fire station includes four apparatus bays, accessory use areas, administrative offices, a training room and firefighter living quarters. The public works building includes two bays and administrative space. The design allows for a final build-out of 23,600 sq. ft.

Public Safety Facility (City of Rocky Ford) - Rocky Ford, Colo.

Job captain for the 30,000 sq. ft. joint fire station and public safety facility. Chris was responsible for technical documentation. The facility is an adaptive reuse and addition to an existing 14,000 sq. ft. indoor flea market space. The project features seven apparatus bays for the fire department, a police vehicle sally port, a temporary detention facility and a community/training room. The project is a candidate for Green Globes Certification.

Needs Assessment for Municipal Campus (City of Northglenn) – Northglenn, Colo. Facility assessment coordinator for a needs assessment for the City of Northglenn and their existing Police Department and Municipal Courts.

Fire/Police Department South Station (City of Maplewood) – Maplewood, Minn. Graduate architect on the 18,000 sq. ft. fire station building. Chris assisted in production of construction documents. The \$3.6 million project included four drive-through apparatus bays along with gear storage, laundry and equipment storage spaces. The station is staffed on a full time basis and included eight private dorm rooms along with a kitchen, dayroom and exercise room.



EDUCATION

Master of Architecture University of Colorado Denver

Bachelor of Architecture Petra Christian University Surabaya, Indonesia

CONTINUING EDUCATION

Revit Architecture Denver, Colo.

AutoCAD, Petra Christian University Surabaya, Indonesia

CERTIFICATIONS

LEED Green Associate (LEED GA), U.S. Green Building Council (USGBC)

Green Globes Professional (GGP), Green Building Institute

PROFESSIONAL ASSOCIATIONS

American Institute of Architecture (AIA) Students University of Colorado-Denver Chapter, Member



EDUCATION

Bachelor of Science Civil Engineering Purdue University Lafayette, Ind.

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer in Colorado

LEED Accredited Professional (LEED AP), U.S. Green Building Council (USGBC)

Envision Sustainability Professional (ENV SP), Institute for Sustainable Infrastructure

Tim Nuetzel, PE, LEED AP, ENV SP

Civil Engineer

Mr. Nuetzel is a senior professional engineer with extensive experience in roadway, storm drainage, water and wastewater system design and residential, commercial and industrial site designs. Tim's experience in residential design ranges from site design for a single home or multi-building townhome sites to large single-family subdivisions. He recently designed multiple civil aspects of the Vestas Tower manufacturing facility in Pueblo, the Vestas Blades manufacturing facility in Brighton and the commuter rail maintenance facility for the Regional Transportation District.

EXPERIENCE

Fire Station/Town Hall (Bennett Fire Protection District) – Bennett, Colo. Civil design engineer for a new combined fire station and town offices seeking LEED Gold certification. Tim designed the site plan, grading, utilities and drainage.

Platte Valley Fire Station (Platte Valley Fire Protection District) – Kersey, Colo. Civil design engineer for a new fire station and training facility. Tim designed the site plan, grading, utilities and drainage. This project included design of a septic system, an underground tank for fire suppression, water storage and coordination with farm irrigation ditches adjoining and bisecting the project site.

RTD Civic Center Station (Regional Transportation District) – Denver, Colo. Senior project engineer responsible for design of the site layout, grading, drainage pipe system and a stormwater detention pond utilizing bioretention for water quality. This project involved the demolition and reconstruction of this downtown Denver transit station. Design included ensuring clear space for all bus maneuvers through the facility.

3

Green River High School Aquatics Center (Sweetwater School District) – Green River, Wyo. Civil engineer responsible for the aquatics center design. This project involved the design of the parking lot, walkways, ramps, stairs and drainage system for this addition to the existing high school.

Ector County Power Station (Power Engineering Collaborative) – Ector County, Texas Civil engineer responsible for power station design. This project involved the design of an internal roadway system, storm drainage, retention pond, evaporative industrial wastewater pond, septic system and site grading for new natural gas power plant.

St. Frances Cabrini Catholic Church Drainage Improvements (St. Frances Cabrini Catholic Church) – Littleton, Colo.

Civil engineer on the pavement and drainage repair project. Tim was responsible for design of the site layout, grading and roof drain and storm system. Tim designed a system to convey roof and surface water away from the building more effectively. The church had problems with ice build-up along the entrance area, which necessitated this drainage project.

Eagle Travel Center (Colorado Retail Ventures Services) – Cameo, Colo.

Civil engineer on the addition of new fast food restaurants to the existing convenience store.

Tim was responsible for grading and utility design.

Site Engineering for AES Power Plants (Poyry) – Huntington Beach, Redondo Beach and Long Beach, Calif.

Civil design engineer for demolition and reconstruction at three power plant sites. Tim prepared preliminary design of grading and drainage, quantifying potential construction trenching and grading for the three power plants using more modern technologies.

David A. Krell, PE

Structural Engineer

Mr, Krell is a senior structural engineer with more than 15 years of engineering experience in the structural design and construction management of commercial, residential, transportation, industrial and institutional projects. David's projects have ranged in size and cost from \$200,000 to more than \$6 million. His structural design experience includes steel, reinforced concrete, prestressed/post-tensioned concrete, masonry, timber and wood, light gauge framing, aluminum, tension fabric structure, seismic design, bridge superstructures and bridge substructures. David's industry software proficiency includes AutoCAD, Revit, RISA3d, TEDDS, Enercalc, MPanel FEA, AASHTOWare (Virtis).

EXPERIENCE

Rocky Ford Public Safety Building (City of Rocky Ford) – Rocky Ford, Colo. Senior structural engineer for analysis and design of the new combined Police and Fire Department facility in Rocky Ford, Colorado. David is responsible for the structural analysis and design of the renovation to the existing building and new building addition and coordination with the project architect and civil engineers. The City of Rocky Ford is relocating the public safety facility by utilizing an existing grocery store structure and building an addition. The existing building is a pre-engineered metal building and the addition is masonry and steel framed for services and vehicle maintenance. Estimated construction cost of the 26,500 sq. ft. renovation and addition project is \$4 million.

Cheyenne Regional Airport Terminal (City of Cheyenne) – Cheyenne, Wyo.

Senior structural engineer for analysis and design of the new terminal at the Cheyenne
Regional Airport. David is responsible for overseeing the structural design of the new terminal
building and coordination with the project architect and civil engineers. The new terminal will
be steel framed construction on concrete spread footings. Estimated construction cost of the
28,500 sq. ft. renovation and addition project is \$10 million.

Carbondale House (Private Owner) – Garfield County, Colo.

Senior structural engineer for structural design of the 3,600 sq. ft. custom residence in Garfield County, Colorado. David was responsible for the structural analysis and design of the new single family residence. The residence was a traditional wood framed, two-story house on cast-in-place slab on grade and footings.

Broomfield WWTP Lab/Admin Expansion (City and County of Broomfield) – Broomfield, Colo.

Senior structural engineer and technical lead for structural design of a 6,000 sq. ft. addition to the 5,000 sq. ft. existing laboratory and administrative building at the waste water treatment plant. David was responsible for the structural analysis and design of the renovation to the existing building and new building addition, as well as coordination with the project architect and civil engineers. The structural design consists of masonry and steel structure tying into the existing cast-in-place concrete building.

Wray Wastewater Treatment Facility Improvements (City of Wray) – Wray, Colo. Senior structural engineer and technical lead for structural design of a new process building, a moving bed biofilm reactor (MBBR) structure, and a diversion structure at the wastewater treatment facility. David was responsible for leading the structural design of the structures and coordination on the multidiscipline project. The process building consisted of masonry and steel construction. The water-containing structures design consisted cast-in-place concrete. Due to the presence of poor soils, the foundation for the MBBR structure included rammed aggregate piers as a soil reinforcement system.



EDUCATION

Bachelor of Science Civil Engineering Purdue University Cornell University Ithaca, N.Y.

Post Graduate coursework in Structural Engineering at University of Colorado at Denver

CONTINUING EDUCATION

ACEC Future Leaders Skills Seminars, Levels I and II

ASCE Design of Foundations for Dynamic Loadings

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer in Colorado



EDUCATION

Bachelor of Science Electrical Engineering and Computer Science University of Wyoming

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer in Colorado, Michigan, Nebraska, **Utah and Wyoming**

Charlene Bocek, PE, LEED BD+C

Electrical Engineer | CMO Electrical Consulting Engineers

Ms. Bocek is a professional engineer with 20 years of experience providing electrical engineering services on public and private facility projects throughout the Rocky Mountain region.

EXPERIENCE

- · Bennett Fire Station, Bennett, Colo.
- · Rocky Ford Police Station, Rocky Ford, Colo.
- · Acura Dealership Upgrades, Littleton, Colo.
- · AMGEN Lab Remodel, Longmont, Colo.
- · Board of Public Health Remodel, Cheyenne, Wyo.
- Centura Parker Adventist Hospital MOB1, Parker, Colo.
- Centura Parker Adventist Hospital MOB2, Parker, Colo.
- · Coors Tech Office and Laboratory, Golden, Colo.
- Denver Health & Hospital Authority, Denver, Colo.
 - Thomas Jefferson School Clinic, Imaging Equipment Replacement, CT/Cath Lab Replacement, Biplane Cath Addition, IT Help Desk Relocation, Chapel/Rehab Renovations, Tuberculosis Lab, Pavilion K Renovation, Pavilion I Renovation, Campus Green Gateway
- Denver MileHi Church Chapel Renovation, Denver, Colo.
- Gothenburg Memorial Hospital Addition, Gothenburg, Neb.
- Kit Carson Memorial Hospital, Burlington, Colo.
 - Imaging Emergency Power, Operating Room Renovations
- · Lone Tree Medical Plaza, Lone Tree, Colo.
- Memorial Hospital N Campus MOB1, Colorado Springs, Colo.
 - Operating Room 5 and 6 Buildout, Ortho Tenant Buildout, MRI Addition
- · Mercedes Benz Dealership, Farmington, Utah
- · Panorama Ortho Remodel, Golden, Colo.
- · Platte Valley Community Hospital CT Replacement, Wheatland, Wyo.
- Poudre Valley Hospital, Ft. Collins, Colo.
 - Mammography Equipment Addition, East Prospect MOB, ICU Boom Power, Pharmacy Relocation, Boiler Room Cooling, CT Replacement, MRI Replacement
- Presbyterian St. Lukes Hospital, Denver, Colo.
- · Regional Transportation District
 - Work Order 13 MOW, Work Order 18 Hoist Replacement, Work Order 20 Bus Charging Stations, Work Order 22 - KIK office remodel
- Rocky Mountain Health Care System, Co Springs, Colo.
- · Spectrum Health United Memorial, Greenville, Mich.
- Torrington Community Hospital, Torrington Wyo.
 - Medical Office Building, Sterile Processing Renovation, Operating Room Expansion



Colorado Department of Regulatory Agencies **Division of Professions and Occupations**

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

Cara Ann Sequino Hlad

Architect

ARC.00402447

Number

Credential Status Verify this credential at: www.dora.colorado.gov/professions

Division Director: Lauren Larson

Credential Holder Signature

Colorado Department of Regulatory Agencies **Division of Professions and Occupations**

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

David Andrew Krell

Professional Engineer

PE.0041222

Number Active

Credential Status

Verify this credential at: www.dora.colorado.gov/professions

Division Director: Lauren Larson

Credential Holder Signature

Colorado Department of Regulatory Agencies **Division of Professions and Occupations**

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

George Allan Robinson

Professional Land Surveyor

PLS.0035593

Number Active

Credential Status

Verify this credential at: www.dora.colorado.gov/professions

Vision Director: Lauren Larson

Credential Holder Signature

Colorado Department of Regulatory Agencies **Division of Professions and Occupations**

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

Thomas J. Ver Straate

Professional Engineer

PE.0038020

Number

Active

Credential Status

Verify this credential at: www.dora.colorado.g ov/professions Thomastor (

Division Director: Lauren Larson Credential Holder Signature

Colorado Department of Regulatory Agencies Division of Professions and Occupations

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

Jeffrey G. Pedersen

Architect

ARC.00201863

Issue Date

10/31/2017 **Expire Date**

11/01/2015

10/31/2017

11/01/2015

10/31/2017

11/01/2015

10/31/2017

Issue Date

Expire Date

Issue Date

Expire Date

Issue Date

Expire Date

11/01/2015

Credential Status

Number Active

Issue Date 10/31/2017

Expire Date

11/01/2015

Verify this credential at: www.dora.colorado.gov/professions

Division Director: Lauren Larson

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Colorado Department of Regulatory Agencies **Division of Professions and Occupations**

State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

Timothy Alan Nuetzel

Professional Engineer

PE.0037763 Number

Active

Credential Status

11/01/2015 Issue Date

10/31/2017 **Expire Date**

Verify this credential at: www.dora.colorado.gov/professions

ision Director: Lauren Larson

Credential Holder Signature



The Colorado State Board of Registration

Professional Engineers and Professional Land Surveyors This is to certify that

Charlene Ann Bocek

having given satisfactory evidence of the necessary qualifications as required by provisions of Title 12, Article 25, has been duly registered and is hereby authorized to practice as a

Professional Engineer

in the Sate of Colorado.

Registration No. 36245



CERTIFICATE OF LIABILITY INSURANCE

9/30/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT Tony Blaisdell				
Commercial Lines - 952-242-3100 Wells Fargo Insurance Services USA, Inc. 400 Highway 169 South St. Louis Park, MN 55426	PHONE (A/C, No, Ext): 952-242-3131 (A/C, No):				
	E-MAIL ADDRESS: tony.blaisdell@wellsfargo.com	AIG, NOJ:			
	INSURER(S) AFFORDING COVERAGE				
	INSURER A: Hartford Casualty Insurance Company	29424			
NSURED Short-Elliott-Hendrickson, Inc.	INSURER B: Depositors Insurance Company 42587				
	INSURER C: Continental Casualty Company 2				
3535 Vadnais Center Drive	INSURER D: Twin City Fire Insurance Company 294				
St. Paul, MN 55110	INSURER E:				
	INSURER F :				

COVERAGES

CERTIFICATE NUMBER: 9627405

REVISION NUMBER: See below

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSR LTR		TYPE OF INSURANCE	ADDL SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
Α	X	CLAIMS-MADE X OCCUR		41UENQT9743	10/01/15	10/01/16	EACH OCCURRENCE DAMAGE TO RENTED	s	1,000,000
		CLAIMS-MADE X OCCUR				PREMISES (Ea occurrence)	\$	300,000	
19							MED EXP (Any one person)	\$	10,000
							PERSONAL & ADV INJURY	S	1,000,000
	GEN	L'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE	\$	2,000,000
	_	POLICY X PRO- JEGT LOC					PRODUCTS - COMP/OP AGG	5	2,000,000
		OTHER:			-		Combined Total Aggregate	S	10,000,000
В	AUT	OMOBILE LIABILITY	BILE LIABILITY BAPD 7101965099 10/01/15	10/01/16	COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000		
	X	ANY AUTO					BODILY INJURY (Per person)	S	
		AUTOS AUTOS				BODILY INJURY (Per accident)	\$		
	X	HIRED AUTOS X NON-OWNED AUTOS					PROPERTY DAMAGE. (Per accident)	5	
	1							S	
c	X	UMBRELLA LIAB X OCCUR	L6011730036	10/01/15	10/01/16	EACH OCCURRENCE	s	7,000,000	
		EXCESS LIAB CLAIMS-MADE				AGGREGATE	\$	7,000,000	
		DED X RETENTIONS 10,000			-			s	
		KERS COMPENSATION EMPLOYERS' LIABILITY Y / N			10/01/16	X PER OTH-			
	ANY	PROPRIETOR/PARTNER/EXECUTIVE N	N/A		N/A	A	1111	E.L. EACH ACCIDENT	\$
	(Man	datory in NH)	10.0				E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
	DES	CRIPTION OF OPERATIONS below			-		E.L. DISEASE - POLICY LIMIT	\$	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Sample Certificate

CERT	TIF	CA	TE	H	OI	DE	R
		UM	1.1-		UL.		

Short Elliott Hendrickson Inc 3535 Vadnais Center Drive Saint Paul, MN 55110

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

geare Sporton

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/24/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the

PRODUCER	CONTACT NAME:					
H. Robert Anderson & Assocs., Inc. 8201 Norman Center Drive	PHONE (A/C, No, Ext): 952.893.1933 FAX (A/C, No): 952	.893.1819				
Suite 220	ADDRESS: INSURER(S) AFFORDING COVERAGE	NAIC#				
Bloomington, MN 55437	INSURER A: XL Specialty Insurance Co.					
NSURED Short-Elliott-Hendrickson, Incorporated	INSURER B:					
3535 Vadnais Center Drive	INSURER C:					
St. Paul, MN 55110	INSURER D:					
	INSURER E:					
	INSURER F:					
COVERAGES CERTIFICATE NUMBER: 2015 -						
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW F INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORD	HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY ON OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WA	IICH THIC				

CLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

LTR	TYPE OF INSURANCE	ADDL INSR	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMIT	S
	GENERAL LIABILITY				,		EACH OCCURRENCE	\$
	COMMERCIAL GENERAL LIABILITY						PREMISES (Ea occurrence)	\$
	CLAIMS-MADE OCCUR						MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$
	GEN'L AGGREGATE LIMIT APPLIES PER:					11	PRODUCTS - COMP/OP AGG	\$
	POLICY PRO- JECT LOC							\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
	ANY AUTO ALL OWNED SCHEDULED			2			BODILY INJURY (Per person)	\$
	AUTOS AUTOS			, , , , , , , , , , , , , , , , , , ,			BODILY INJURY (Per accident)	\$
	HIRED AUTOS NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$
_								\$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	\$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$
	DED RETENTION\$							\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU- TORY LIMITS ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N/A					E.L. EACH ACCIDENT	\$
	(Mandatory In NH) If yes, describe under						E.L. DISEASE - EA EMPLOYEE	\$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$
A	Professional Liability			DPR9726561	10/01/2015	10/01/2016	Each Claim/ Annual Aggregate	\$5,000,000 \$10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

This certificate or memorandum of insurance does not affirmatively or negatively amend, extend, or alter the coverage afforded by the insurance policy.

CERTI	FICATE	HOL	DED	
CERTI	PIGALE	: HUL	DEK	

CANCELLATION

BEING ISSUED FOR INFORMATIONAL PURPOSES ONLY

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Leresa M. anderson

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REQUIRED RESPONSE FORM:

Include this form (or replica) as the last page of your proposal.

Name of Proposer: Short Elliott Hendrickson	Inc. (SEH®)
Physical Address of your 2000 S. Colora Principal place of business: One Denver.	ado Blvd., Suite 6000, Colorado Center Tower CO 80222-7938
Mailing Address: Same as above	
720.540.6800 Telephone:	Fax:888.908.8166
E-Mail Address:chlad@sehinc.com	
Print name of primary contact:	flad, AIA, LEED AP BD+C, NCARB, ENV SP
Signature:April 1, 2106	8

Designing Fire Stations

A new fire station represents an investment in a community's infrastructure that can stand for more than half a century. A facility of this magnitude must be designed to meet tomorrow's needs today. Ten years ago, hazardous materials response, pre-hospital advanced life support, public education, fire protection inspections and response to terrorism incidents were seldom considered. Now, fire service and other emergency response agencies frequently respond to such incidents. Comprehensive planning and design is critical to meet immediate needs and to prepare for future obligations. This guide was prepared to help fire chiefs and their staffs review each and every component of a fire station's design, helping to assure that no details are overlooked.



Before starting a fire station's design, certain questions should be answered by local emergency response managers. Their input provides the foundation for the planning process. By answering these questions, and by facing opposition and/or providing explanations to City Council or community members, justification for a new facility becomes apparent. Additionally, architects can begin developing basic building designs that meet the station replacement criteria. Some of these questions include:



What factors indicate when a fire station should be replaced?

- inadequate apparatus space
- inadequate training facilities
- inadequate office facilities
- inadequate parking
- unacceptable building age and/or condition
- new response-time demands based on community growth

- altered local traffic patterns
- altered state/federal highway systems
- railroad tracking system routing changes
- merger of emergency services departments (e.g., fire, EMS, public safety)

What factors help influence what the station will look like?

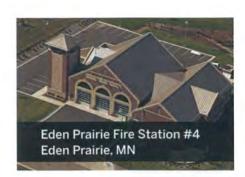
Seldom do two fire stations look alike. Local needs and requirements, the scope of services offered, staffing and community geography play major roles in defining a new station's character. A fire station with a full-time paid staff in a growing community will look different than a volunteer fire department/city hall facility in a rural community. Other compositions to consider include:

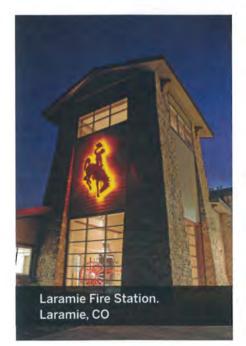
- central fire station
- · career/paid on call
- satellite fire station (residential)
- volunteer
- fire/EMS combination station
- · one story versus two story
- fire/highway department combination

What should be considered when you choose a site?

A prospective fire station site must have more than just adequate space. It must also, and perhaps more importantly, allow fire fighters to meet response time requirements. Other factors to consider include:

- donated land
- · egress to main street arteries
- intersection control (Opticom system, etc.)
- · neighborhood match
- high population facilities
- traffic congestion (time of day)
- site topography (no slope higher than 2 percent)
- · future growth potential
- parking availability
- zoning requirements
- previous ownership (soil contamination is the concern here)
- · basement potential
- barriers (one-way streets, bridges, schools)
- · community growth trend
- · 100- from any intersection
- · minimum of 24' road width
- one story/two story station







FIRE DEPARTMENT RESPONSE TIME CONSIDERATIONS

In considering sites for the construction of a new fire station within a community acceptable response times within the fire station's geographic responsibility zone, along with many other issues, is one of the most important factors in the final decision. To achieve an acceptable response time a careful analysis should be conducted that includes more than simply evaluating the distance from the proposed fire station to the borders of its farthest limits. Certainly, the distance factor is very critical to response, however, other important factors which should be considered in this review are the following:

- The site should be located on, or adjacent to, a main artery that provides good access, egress, visibility for responding fire department equipment, and adequate public alerting of the fire department incoming and departing fire equipment.
- Does the site location, and its proximity to a main artery, provide acceptable access to secondary streets that will allow the fire department to effectively respond throughout its zone of responsibility?
- Does the main response artery have adequate street/shoulder width and shoulder construction for private automobiles, trucks with trailers, buses, etc. to safely pull to the side when a fire or ambulance apparatus is coming up behind them?
- Is the main response artery a funneling point for industrial traffic in loading or off-loading supplies, products or employees?
- Does the main response artery include an overabundance of traffic controls such as stop signs or stop lights
 that could cause delays as a result of local traffic trying to find a safe place to get out of the way of responding
 fire/ambulance apparatus?
- Does the main response artery have significant commercial development where consumer traffic congestion could hamper emergency response and commuter safety?
- Does the main response artery have schools, churches, or other population dense developments that are located on it which may present a safety hazard for fire vehicles and the general public?

