

Statement of Qualifications

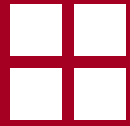


1035 Yellowstone Ave., 2nd floor
PO Box 2153
Pocatello, ID 83206
PHONE: (208) 234-8005
FAX: (208) 234-8974



TABLE OF CONTENTS

COMPANY PROFILE	1
TECHNICAL SERVICES OFFERED	2
MANAGEMENT SERVICES OFFERED	4
LIST OF PROJECTS	5
PERSONNEL PROFILES	10



COMPANY PROFILE

Walker Engineering was formed in Pocatello, Idaho to provide high quality, innovative, and value minded engineering services. We have a staff of competent professionals consisting of technical specialists and engineers. Walker Engineering specializes in mechanical, process, and structural engineering for industrial clients. This combination allows us to offer multi-discipline engineering services to our clients. Our personnel have handled projects spanning the full range of engineering design such as turnkey, fast track, maintenance and plant modifications.



We have sufficient staff to handle small projects as well as large complex ones. All work is executed by staff located in one office and managed by senior professionals. We have a unique management structure with minimal overhead. This allows us to provide extremely cost-effective services, while simultaneously being very responsive to our clients' needs. We offer many of the same services offered by large engineering conglomerates, but without the hassle, and without the associated massive overhead expenses. Our objective is to tailor your project to provide less complex solutions to achieve your project's goals.

We are committed to responding quickly to the needs of our clients. Strict quality control and project management procedures are the operating philosophies and backbone of our firm. We are dedicated to progress through innovative engineering practice and state-of-the-art office automation. All of our engineering, drafting, planning, and project control tasks are performed on computer workstations aided by the latest networking technology. Numerous hardware configurations and software programs allow us to provide CAD drafting, engineering analysis, and project management. The depth of our engineering expertise and project execution know-how assures our clients of a well coordinated, timely and successful project.

ENGINEERING SERVICES

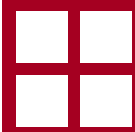
We offer our clients a full spectrum of multi-discipline engineering services. We can provide a proven project team to accomplish your project.

OFFICE RESOURCES

We are equipped with a variety of state of the art computers, printers, plotters, scanners and copiers. Our hardware and software resources allow us to offer quick and accurate response to the demands of our clients.

PARTIAL LIST OF SOFTWARE AVAILABLE

AutoCAD 2013 (incl. 3D)	Enercalc
SAP 2000N	COADE CAESER II R13
Visual Anlysis 4.01	RISA Version 9.0.0 (3D)



TECHNICAL SERVICES OFFERED

Walker Engineering has the experience you need.

The engineering team has a core knowledge set based on an extensive industrial design and project management background. Vast experience and expertise is available for a wide range of projects, some of which are outlined below.

STUDIES AND REPORTS

- Feasibility studies
- Conceptual design
- Site selection
- Trade out studies
- Retrofit studies
- Cost estimates

PROCESS DESIGN

- Mass flow and thermal transfer
- Equipment sizing and selection
- Packaging equipment selection
- Line layout
- Facility layout
- Safety/insurance code review

HEAT TRANSFER

- TEMA exchanger design
- Custom heat exchanger design
- Process utility loads
- Process equipment thermal sizing

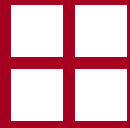
PIPING

- ANSI/ASME B31.1 and B 31.3 piping design (“PP” STAMP)
- 3A Sanitary - food processing
- Industrial piping for general services
- Refrigeration
- High pressure hydraulic – to 5,000 psi
- Stress & thermal analysis
- Material selection
- Sizing , layout, supports and anchors

TANK AND VESSEL DESIGN

- ASME pressure vessel design (“U” stamp)
- ASME repair (“R” stamp)
- API 650 tank design
- Storage tank design
- Square tanks and bunkers





TECHNICAL SERVICES OFFERED

THERMAL PLANT DESIGN

- Boiler rooms and condensate handling systems
- Industrial refrigeration systems
- Cooling towers and other heat rejection devices
- Central plant utilities
- Emergency and standby generators

INDUSTRIAL VENTILATION

- HVAC
- HEPA filter systems
- Environmental control
- Dust control
- Baghouses

EQUIPMENT DESIGN

- Custom machine design
- Material handling
- Packaging
- Conveying
- Hydraulic circuit design
- Pneumatic circuit design

MATERIAL SCIENCE

- Material selection
- Material compatibility
- Corrosion control – active and passive
- Paint, coatings and linings
- ASME and NACE heat treating guidelines and procedures

CIVIL

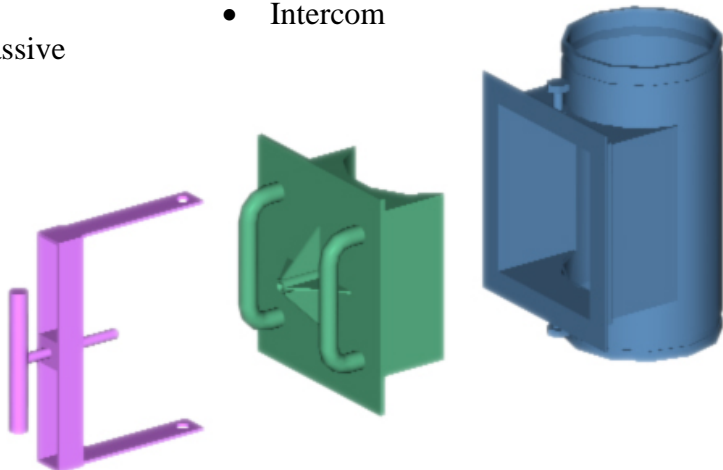
- Site layout and grading
- Underground utilities
- Ponds and liners

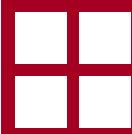
STRUCTURAL

- Building foundations
- Building superstructures
- Equipment support
- Rotating equipment foundations
- Service and access platforms
- Pipe racks and material handling
- Bridge crossings and abutments
- Finite element analysis and design
- Seismic and wind analysis

ELECTRICAL

- Site power supply
- Site lighting
- High voltage switchgear
- MCCs
- Power runs to equipment
- Industrial and emergency lighting
- Phone
- Intercom





MANAGEMENT SERVICES OFFERED

DESIGN MANAGEMENT

- Budget development
- Definition of deliverables
- Schedule
- Code/insurance review and compliance
- Consultant selection
- Contractor/vendor qualification
- Client interface
- Regulatory interface
- Design team management – multidiscipline
- Senior review and mentoring



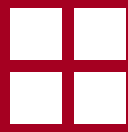
PROJECT MANAGEMENT

- Program management approach
- Turnkey – design and construction management
- Client management and interface



CONSTRUCTION MANAGEMENT

- Budget review/forecasting
- Definition of work scope
- Construction schedule development
- Contractor/vendor qualification
- Contractor/vendor selection
- Contract review
- Claims and change orders
- Safety compliance
- Permitting
- Startup support



LIST OF PROJECTS

The Walker Engineering team has a wealth of experience working for industrial clients in design and project management rolls. A partial list is as follows:

NUCLEAR

DOE, HF SYSTEM MODULES, OAK RIDGE, TN

Engineering for modules for chemical processing of high temperature radioactive hydrogen fluoride. Service requirements called for operation at 1,100 F. with an assortment of radioactive and highly corrosive gasses.

WIPP - HFEF NORTH, ID ARGONNE NATIONAL LABORATORY - WEST

Structural design of access platforms, landings, and in-cell structures. Also responsible for checking and peer review of structural calculations performed by other engineers on the project. Performed analysis and design check of the HFEF superstructure for wind and seismic loads.

ZPPR – ZERO POWER PHYSICS REACTOR, ANL-W

Responsible for dynamic seismic analysis of birdcage container systems to store and isolate on-site uranium and plutonium stored in the ZPPR vault. Structural integrity of the birdcage storage system was necessary for isolation of the radioactive materials to prevent the formation and development of critical masses. The analysis was critical and vital to the continuing operation of the ZPPR facility.

FCF MODIFICATION PROJECT (INTEGRAL FAST REACTOR PROJECT) ANL-W

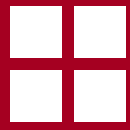
Structural design and checking of the overall integrity of the Fuel Cycle Facility (FCF) located at Argonne National Labs (ANL-W), DOE facility operated by the University of Chicago. Major projects include analysis and design check of the FCF superstructure for wind and seismic and dynamic equipment loads. Also responsible of consequential reinforcing of the structure due to analysis results.

Specific areas of analysis and design include:

- Analysis and design check of the FCF superstructure for wind and seismic loads.
- Structural analysis and design of the roof structures above the Argon cell.
- Analysis and design of the FCF operating floor reinforcing.
- FCF - Hot Repair Area, EMM pit cover modifications.
- FCF - Radioactive Liquid Waste Room, additional shielding requirements to be supported to resist seismic loading.
- FCF - Structural analysis of the Operating Floor.
- Calculation checking and peer review of structural analyses performed by others

SPIF – SODIUM PROCESSING FACILITY, ID Argonne National Laboratory - West

Sodium Process Facility – Design and checking of the building structure for dynamic equipment loads from the thin film evaporator located on an elevated deck in the building.



LIST OF PROJECTS

OIL AND GAS

AMOCO – NATURAL GAS GATHERING COMPRESSOR MODIFICATION - ANSCHUTZ RANCH – EVANSTON, WY

Civil/Structural Engineering design for the liquid natural gas gathering upgrade and compressor facility modification. Multiple 20” gas lines from the well heads at the gas-gathering field were routed above and below grade to the compressor facility. Analysis and design included dynamic loading and analysis for frequency response for vibration resistance due to varying gas line pressures and compressor surge loading. Design work included: thrust block designs, bridge crossings, intercooler and aftercooler structures, vent stack foundations, pump foundations, compressor mat, inlet separator foundation, elevated slug catcher support and foundation, multiple cooler and coalescer foundations, filter foundations and all intermediate piping support racks and piers. Dynamic analysis and evaluation of building and equipment foundations.

UNO-VEN PROJECT, CHICAGO, IL

Mechanical and structural design of petrochemical pressure vessels and structural platforms. Service requirements included pressures to 650 psig, full vacuum, sour gas service, lethal design and heat treating to ASME and NACE requirements. Modular construction techniques were employed to require only bolt up for field erection.

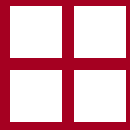
SCHLUMBERGER - WELL HEAD TEST MODULES, ALASKA

Design engineering for pressure vessels and piping packaged in self contained skidded modules for use on the North Slope. System included vessels and piping for sour gas service, christmas tree piping at wellhead and enclosure buildings.

SINCLAIR REFINERY – “CATCRACKER”, CRACK TOWER STRUCT. ANALYSIS, RAWLINS, WY

Civil/Structural Engineering analysis for the investigation of the proposed changes in the existing catcracker process configuration. Phase one involved extensive finite elemental analysis to determine if the existing structure was adequate to support the changes and additional loading. Phase 2 was to propose reinforcements for members that were inadequate and to design additional steel framing where necessary for equipment/process modifications.





LIST OF PROJECTS

MICROELECTRONICS

AMERICAN MICROSYSTEMS INCORPORATED (AMI) – SEISMIC ANALYSIS, POCATELLO, ID

Performed Civil/Structural Engineering analysis for the investigation of the structural integrity of electrical and chemical equipment including cable trays, conduit runs, double containment piping, and trapeze type strut hangers in the AMI Fab-ten facility. All seismic restraints of transmission and distribution of chemicals and electricity (i.e., controls, instrumentation, and communications) were evaluated throughout the facility as per contract including clean areas in both the fab and sub-fab areas.

MOTOROLA MOS 13 - NEW FAB, CHINA

Mechanical design of the plant high temperature utility system which included the boiler plant, process and utility heat exchangers, clean steam generators, piping distribution system, pipe stress analysis, bulk oil storage tanks, emergency generator, including Chinese and American code review and evaluation.

INTEL, D2 PHASE 3 EXPANSION, SAN JOSE, CA

Design of the plant high temperature ultrapure water system including pipe stress analysis and development of a white paper on design of high temperature plastic pipe systems. Design of the emergency generator system and boiler room retrofit package.

FOOD PROCESSING

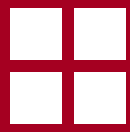
DAVISCO FOODS INTL., LAKE NORDEN, SD

Design of green field refrigeration plant including screw compressors, evaporative condensers, water and brine heat exchangers, ammonia pumped recirculator, liquid subcooler, finished product cooler, combined high pressure receiver and thermosiphon vessel, controls and safety system, 1,150 TR at 20 F.

JEROME CHEESE CO., JEROME, ID

Design of refrigeration plant expansion including new screw compressors, evaporative condensers, water and glycol heat exchangers, finished product cooler, building, structural platforms, electrical power, control and emergency alarms. Total capacity of 2,600 TR at 24 F.





LIST OF PROJECTS

AMALGAMATED SUGAR CO., PAUL, ID

Vessel review and design for multi-effect process evaporators; stainless steel pressure vessels were tower type, heights to 65 feet, 50 PSI to full vacuum with internal welded pack plate heat exchangers.

AMALGAMATED SUGAR CO., TWIN FALLS, ID

Design of the Raffext Evaporator process structure including mat foundation, building, equipment supports and foundations.

AVONMORE WEST, GOODING, ID

Design of refrigeration plant expansion including new compressor, evaporative condenser, heat exchanger, product cooler and control system.

KIKKOMAN PLANT DESIGN, FOLSOM, CA

Mechanical design of plant utility system which included boiler room, condensate return system, superheater, mechanical vapor recompression, sanitary air compressors and dryers, process load evaluation, code/insurance review and pipe stress analysis for utilities and process. Provided services during construction and start-up support

ARI., TWIN FALLS, ID

Toroidal pressure vessel design for fractal chromatographic separation of sugar from molasses including manual and computer aided design.

ROSS PRODUCTS, CASA GRANDE, AZ

Piping design for retort system, process plate and frame heat exchangers, process and utility piping, refrigeration plant modification, steam line pipe stress thermal analysis, wastewater system modification, ozone injection system design, and sanitation system design.

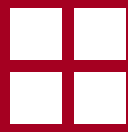
SIMPLOT, AMERICAN FALLS, ID

Design of the dry storage building, product blending room and modification of the existing sanitary process areas.

SIMPLOT, PORTAGE LA PRAIRIE, CANADA

Design of green field plant utilities system and refrigeration plant including incoming plant water supply, water storage tanks, natural gas, bulk chemical delivery, air compressors, all piping and distribution systems, and sanitation system. Refrigeration plant design of a -30 F., 2,200 TR single stage system.





LIST OF PROJECTS

AMALGAMATED SUGAR Co., PAUL, ID

Design modifications for a German 220 foot vertical tower type lime kiln. Design of multi-level kiln building to house heavy equipment (slaker, graders, aging tanks, pumps, etc). Design of single shell, dual hopper storage bunker capable of simultaneously holding 600 tons of limestone and 70 tons of coke. Bunker design included equipment supports interior to shell for grading, weighing and conveying equipment as well as level detection system. Material handling system (conveyor, transfer points, grading, etc.) design to get material from approximately 750 feet away into the bunker. 36" diameter stainless steel carbon dioxide vacuum piping reinforcement and support design.

ROSS PRODUCTS, CASA GRANDE, AZ

Retrofit a malfunctioning "free cooling" system (inoperative for the prior ten years) which utilizes a cooling tower to generate chilled water. Modify the existing system to allow use of the free cooling system – thereby allowing the facility to capitalize on the equipment already installed, i.e. use the free cooling system and gain the benefits it was originally installed for.

JEROME CHEESE Co., JEROME, ID

Retrofit existing reciprocating compressors from high stage to low stage service. Design included repiping compressors, addition of a new intercooler with liquid subcooling coil, low stage suction accumulator, low stage pumped recirculator, liquid transfer unit, recirculation pumps, evaporators, piping, controls, underfloor warming system, safety system, etc. Freezer capacity of 80 TR at -10 F.

GREAT WESTERN MALTING, POCA TELLO, ID

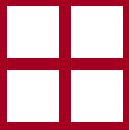
Design of new hopper cone for steel cone/concrete shell grain bin. Design and specification of product conveying chutes, vibratory screen grader supports/mounting, new grain splitter box, slide gates, etc. Provide site support during construction and startup.



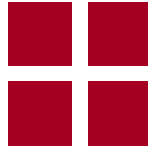
MISCELLANEOUS PROJECTS

HARCON CONSTRUCTION, SPOKANE, WA

Design of an air curtain system as required by the Spokane County Department of Public Works for pile driving in the Spokane River without killing fish. Design bubble ring (toroidal pressure vessel), piping and air compressor skid including filtration and oil removal satisfactory for direct air injection into protected water.



PERSONNEL PROFILES



DAVE FINKELBURG, PE

PROCESS ENGINEER/PROJECT MANAGER

SUMMARY OF EXPERIENCE

Thirty six (36) years of engineering and management experience in a broad variety of industrial settings. Additional professional experience as a print journalist. Management experience has included project development, project cost control, and project execution to meet the needs of marketing and production. Professional experience includes project scoping, utility development and expansion for new and established sites, estimate of constructed value, feasibility studies, consultant selection, contractor qualification, contract negotiations and claims. Technical experience includes pilot studies, process trouble-shooting, equipment sizing and selection, process design and evaluation. Roles have included process engineer, project engineer, project manager, and construction manager. Currently he is Technical Editor of Ceramics Monthly magazine. He holds a valid US passport.

PROJECT TYPES

Heavy Industry
Food Processing
Materials Handling

Minerals and Chemicals
Pollution Control
Refrigeration

SIGNIFICANT PROJECTS

Australian Iron & Steel Pty. Ltd. – Ore Blending Facility	Startup Engineer
Glanbia – Refrigeration Compressors Relocation, ID	Project Engineer
Simplot – Granular Fertilizer Loading Upgrade, ID	Process Engineer
Simplot – Ore Unloading, Storage, Pneumatic Conveying, ID	Project Manager
Simplot – Vegetable Plant Design, Construction, WA	Project Manager
Simplot – Avocado Processing Plant, Mexico	Startup Engineer
Simplot – Frozen Vegetable Repackaging Plant, NY	Project Manager
Simplot – Prill Tower Emission Control, Canada	Project Engineer
Simplot – Fertilizer Business Capital Projects Control	Engineering Mgr.
Simplot – Utilities Design For Potato Plant, Canada	Project Manager
Simplot – Refrigeration System Design, Canada	Engineer
IDC – Boiler/Utility Room Heating & Ventilation Retrofit	Project Manager

EDUCATION

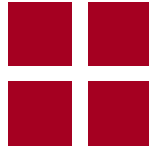
Bachelor of Science in Metallurgical Engineering – University of Idaho
Master of Science in Ceramic Engineering – New York State College of Ceramics at Alfred University

PROFESSIONAL ACTIVITIES

Idaho State University – Engineering Advisory Council, Member
Graduate, Program for Executives, Carnegie-Mellon University, 1996
Presenter, National Council on Education in the Ceramic Arts annual meeting, 2007, Louisville, KY

REGISTRATIONS

Licensed Professional Engineer (PE) – Idaho



MARK FORBORD, PE

CIVIL/STRUCTURAL ENGINEER/PROJECT MANAGER

SUMMARY OF EXPERIENCE

Thirty five (35) years experience in consulting engineering, construction management, project scheduling, project management and engineering design. Engineering expertise in site work, buildings, structures, material handling systems, conveying equipment, pipe support systems, transmission lines and substations and all areas of plant support facilities.

Design and construction experience with structural steel, reinforced concrete, precast concrete, tilt-up concrete and reinforced masonry. Extensive experience and involvement with micro-computer applications for project scheduling, management, and expediting. Working knowledge of critical path project scheduling, cost tracking and budgetary control. Good knowledge of various CAD drafting systems including AutoCAD.

PROJECT TYPES

Commercial	Minerals and Chemicals
Food Processing	Nuclear
Heavy Industry	Petrochemical
Microelectronics (FAB)	Pharmaceutical

SIGNIFICANT PROJECTS

Argonne National Laboratory – Fuel Control Seismic Analysis, ID	Scientific Assistant
American Microsystems Incorporated (AMI) – Seismic Analysis, ID	Structural Engineer
AMOCO – Natural Gas Gathering Compressor Modifications, WY	Structural Engineer
Beatty Justice Facility – Building Design, NV	Responsible Engineer
Caribou County Hospital – Primary Support Structure, ID	Responsible Engineer
Golden Eagle Valley Ranch – Pumping Station, ID	Structural Engineer
Kraft Foods – Starter Room Modification, ID	Structural Engineer
Pahrump Justice Facility – Building Design, NV	Responsible Engineer
Pioneer Building – Structural Renovation of Historic Building, ID	Structural Engineer
Shoshone K-12 School – Structural Design, ID	Responsible Engineer
Sinclair – Crack Tower Structural Analysis, WY	Responsible Engineer
Sinclair – N-S Piperack Piperack Structural Analysis, WY	Structural Engineer
Veterans Administration – Counseling Center Design, ID	Structural Engineer

EDUCATION

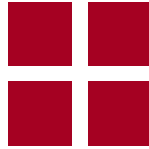
Bachelor of Science in Civil Engineering – Montana State University, 1978

PROFESSIONAL ACTIVITIES

American Society of Civil Engineers (ASCE)
Idaho Society of Professional Engineers (ISPE)
National Society of Professional Engineers (NSPE)

REGISTRATIONS

Licensed Professional Engineer (PE) – Arizona, Idaho, Pennsylvania, Washington
Licensed Structural Engineer (SE) – Idaho



PHIL FORBORD, PE
CIVIL/STRUCTURAL ENGINEER

SUMMARY OF EXPERIENCE

Thirteen (13) years experience in consulting structural engineering, finite element analysis, project scheduling, cost controls, project management and engineering design. Experience in design team coordination, civil and structural analysis and all areas of facility design for industrial, commercial and utility related projects. Scheduled and implemented 'fast-track' projects.

Engineering expertise in site work, buildings, pipe support systems and most areas of industrial plant support facilities. Design and construction experience with structural steel, reinforced concrete and reinforced masonry

Extensive experience and involvement with computer applications for finite element analysis and design project scheduling and management. Working knowledge of critical path project cost tracking, execution and supervising drafting personnel. Excellent knowledge of various CAD drafting systems including AutoCAD and 3-D modeling.

PROJECT TYPES

Commercial	Minerals and Chemicals
Food Processing	Nuclear
Heavy Industry	Petrochemical
Microelectronics (FAB)	

SIGNIFICANT PROJECTS

American Microsystems Incorporated (AMI) - Seismic Analysis, ID	Structural Engineer
AMOCO - Natural Gas Gathering Compressor Modifications, WY	Structural Engineer
Beatty Justice Facility - Building Design, NV	Structural Engineer
Caribou County Hospital - Primary Support Structure, ID	Structural Engineer
Golden Eagle Valley Ranch - Pumping Station, ID	Structural Engineer
Kraft Foods - Starter Room Modification, ID	Structural Engineer
Pahrump Justice Facility - Building Design, NV	Structural Engineer
Pioneer Building - Structural Renovation of Historic Building, ID	Structural Engineer
Shoshone K-12 School - Structural Design, ID	Structural Engineer
Sinclair - Crack Tower Structural Analysis, WY	Structural Engineer
Sinclair - N-S Piperack Structural Analysis, WY	Structural Engineer
Veterans Administration - Counseling Center Design, ID	Structural Engineer

EDUCATION

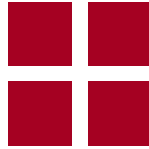
Bachelor of Science in General Engineering - Idaho State University

PROFESSIONAL ACTIVITIES

American Concrete Institute (ACI)

REGISTRATIONS

Registered Professional Engineer - Idaho



WARREN GOSSETT

SENIOR DESIGNER

SUMMARY OF EXPERIENCE

Mr. Gossett has thirty (30) years experience in architectural and engineering drafting and design, project management, project design and scheduling. Warren has been responsible for the mechanical, structural and electrical drawings for dam reconstruction, food processing, storage plants, power distribution systems, industrial and chemical processing plants, and microprocessing (FAB) facilities.

PROJECT TYPES

Commercial
Food Processing
Heavy Industry

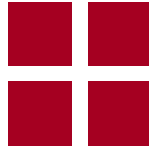
Microelectronics (FAB)
Minerals and Chemicals
Oil and Gas

SIGNIFICANT PROJECTS

Ross/Abbott—Plant expansion, Arizona	Sr. Designer /Const Mgr.
Davisco Cheese—Refrigeration Piping, North Dakota	Sr. Designer
Simplot —Refrigeration piping, Canada	Sr. Designer
Jerome Cheese—Refrigeration Piping, ID	Sr. Designer
Pillsbury – Conveyor Redesign, ID	Sr. Designer
Agripac – Utility Piping, Process Safety Management, WA	Project Manager
Simplot Inc. – Platform design, ID	Designer
Simplot – Plant Expansion, ID	Lead Designer
Kikkoman – New Plant Design, Process and Utility Piping, CA	Lead Designer
Ash Grove – Foundations, Footings, Structural Steel, OR	Lead Designer
Micron – Reconstruction, Architectural Floor Plans, ID	Lead Designer
Darigold – New plant construction, WA	Lead Designer
AT&T – Steel Framing, Foundations, HVAC, and Piping, GA	Lead Designer
Weight Watchers – General Arrangements/Piping design, ID	Project Manager
Monsanto – Retrofits, Piping, Equipment, Steel Framing, ID	Sr. Designer
FMC – Railroad Load-out Facility, ID	Sr. Designer
FMC – Caisson, Foundations, Footing Design, Structural steel, WY	Sr. Designer
Nu-West – Steel Framing, ID	Sr. Designer
Veterans Building – HVAC, Building Foundations, WA	Designer
Kraft Foods Inc. – Piping, Process, Utility and Ammonia, ID	Drafter
Fischbach and Moore – Foundation and Building, Saudi Arabia	Designer
Ore-Ida Foods – General Arrangements/Equipment Design, MI	Drafter
Ore-Ida Foods – General Arrangements/Equipment Design, WI	Drafter
Ball Construction – Dam Lift drawings and Mechanical Plans, ID	Drafter

EDUCATION

Bachelor of Science in Architecture – Idaho State University
Bachelor of Architecture Degree – Idaho State University



BRION KETTLER, PE

MECHANICAL ENGINEER

SUMMARY OF EXPERIENCE

Engineering experience includes P&ID development and review, complete drawing package review, control loop descriptions, equipment selection, final element selection, mechanical design (ammonia refrigeration, boiler/steam, pumping/piping, compressed air, mechanical components, pressure vessels, etc.) and code/standard reviews (IBC, IMC, IFC, ASHRAE 15, IIAR 2, API 650, etc). Further engineering related skills include familiarity and use of CAD, solid modeling and pipe stress analysis. Educational experience included pressure vessel design, transmission design, shaft design, pumping/piping system design and heat transfer analysis/design. Prior technical experience includes ten (10) years of automotive diagnostics, repair and small business ownership with specialization in automotive control systems, electrical and engine performance.

PROJECT TYPES

Construction
Food Processing
Material Handling

Process
Refrigeration
Utilities

SIGNIFICANT PROJECTS

Abbott Labs – Flammable Storage Building, AZ	Engineering Intern
Abbott Labs – Product Silo Replacement, AZ	Engineer
Abbott Labs – Refrigeration expansion, AZ	Engineering Intern
Abbott Labs – Product Silo Replacement, VA	Engineer
Abbott Labs – Ammonia Refrigeration Plant Study, VA	Engineer
Barclay Mechanical, API 650 tanks, ID	Engineer
Davisco – Refrigeration Plant Design, SD	Engineering Intern
Great Western Malting – Grading Equipment Replacement, ID	Project Manager/Engineer
Great Western Malting – Germ Bed Hoist Pulley Design, ID	Engineer
Harcon – Air Curtain Pneumatic Design, WA	Engineer
Jerome Cheese – Vacuum Pump/Air Compressor Cooling, ID	Engineering Intern
Jerome Cheese – 60,000 sq. ft. Cooler Expansion, ID	Engineer
Jerome Cheese – Process Expansion, ID	Engineer
Jerome Cheese – -20 F Freezer and Ammonia Low Stage Addition, ID	Engineer
Lamb Weston – Pipe Stress Analysis, LA	Engineer
ON Semiconductor – Ammonia System Retrofits, ID	Engineer
ON Semiconductor – Air Handling System Performance Analysis, ID	Engineer
Simplot Food Group – OSHA PSM Compliance (multiple facilities), ID	Engineer
Simplot Food Group – API 650 tank, WA	Engineer
The Amalgamated Sugar Company – Lime Kiln Building and Bunker, ID	Engineer

EDUCATION

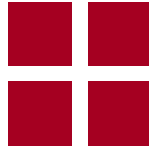
Certificate Automotive Technology (2000)– Idaho State University
Bachelor of Science in Mechanical Engineering (2008) – Idaho State University
Graduated with High honors, outstanding student of the year 2007-2008
Three time National Science Foundation (NSF) Scholarship recipient
Tau Beta Pi – Vice President

PROFESSIONAL ACTIVITIES

Idaho Society of Professional Engineers/National Society of Professional Engineers – Member
Idaho Society of Professional Engineers – SE Chapter Treasurer
MATHCOUNTS volunteer
Idaho State University Senior Design Mentor

REGISTRATIONS

Licensed Professional Engineer (PE) – Idaho



STEVE WALKER, PE

MECHANICAL ENGINEER/PROJECT MANAGER

SUMMARY OF EXPERIENCE

Thirty (30) years of design, construction and project management experience in a variety of industries, project types and management roles. Management experience has included project definition, estimate of constructed value, feasibility studies, consultant selection, contractor qualification, contract negotiations and claims. Roles have included design manager, project manager and construction manager. Engineering experience has included equipment, plant and process design, prototype development and start-up. Technical experience includes heat and mass transfer, stress analysis, vessel design, machine design, hydraulic power, process/equipment optimization and senior review. Current US passport.

PROJECT TYPES

Commercial
Food Processing
Heavy Industry
Microelectronics (FAB)

Minerals and Chemicals
Nuclear
Petrochemical
Pharmaceutical

SIGNIFICANT PROJECTS

Abbott Labs – Ammonia Plant, Casa Grande, AZ	Project Manager
Campbell Soup Co. – Line Retrofits, UT	Project Manager
CH2M-HILL – Kikkoman Plant Design, CA	Senior Engineer
City of Pocatello – City Hall and Library, ID	Project Manager
Davisco – Refrigeration Plant Design, SD	Project Manager
DOE – PREPP, INEL, ID	Lead Design Engr.
Eisai Pharmaceutical Labs – Process Vessels, MA	Project Manager
Jerome Cheese – Refrigeration Plant Upgrade, ID	Project Manager
INTEL – D2 Phase 3 Expansion, CA	Senior Engineer
Motorola MOS 17 – New FAB, China	Senior Engineer
Ore-Ida Foods Inc. – Plant Expansions, ID, OR and WI	Lead Design Engr.
RAYTHEON Engineers and Constructors – Uno-Ven Project, IL	Project Manager
Schlumberger – Well Head Test Modules, AK	Lead Design Engr.
Simplot – Refrigeration Plant Design, Canada	Project Manager
Universal Foods Corp. – Plant Expansions, ID and WA	Project Manager
Weight Watchers – Phase 3 Plant Expansion, ID	Lead Design Engr.

EDUCATION

Bachelor of Science in Mechanical Engineering – University of Idaho

PROFESSIONAL ACTIVITIES

ASHRAE - Member
AWS - Member
EIEC (Eastern Idaho Engineering Council) – Past Chairman
ISPE - Past National Director, Past President of the State, Magic Valley Chapter and Southeast Chapter
Idaho State University - Engineering Advisory Council, Past Chairman, Adjunct Faculty
NSPE Presidents Task Force - Program Evaluation and Priorities
RETA - Member

REGISTRATIONS

Licensed Professional Engineer (PE) – Arizona, Idaho, South Dakota, Utah, Virginia, Washington