

Statement of Qualifications: **Theaters and Churches**

Dinter Engineering Company is a small business corporation which provides consulting engineering services for mechanical, plumbing, and electrical systems. The firm's corporate office began operations in Reno, Nevada, in 1961, and Dinter opened a branch office in Phoenix, Arizona, in 2006 and another in Coeur d'Alene, Idaho, in 2009.

The firm's experience is extensive, with over 4,200 projects completed that cover a wide range of military, airport/airfield, light and heavy rail, health care, commercial, industrial, educational, and institutional facilities of all sizes and complexities.

Services: Routinely Dinter Engineering Company is geared to provide the following:

- Investigations and reports
- Testing and evaluating
- Feasibility studies and master plans
- Energy audits
- Plan checking
- Engineer's Reports
- Designs, drawings, specifications and cost opinions
- Consultation during bidding and construction phases
- Construction observation and support
- "As-built" plans and documents
- "Design/Build" contractor design assistance

Staff: Dinter's staff generally numbers around 30 licensed professional engineers, engineer interns, project managers, designers, CADD technicians, drafters and administrative personnel. The firm operates three departments – Mechanical, Electrical and Airfield Electrical – from which drafting and technical personnel may be pulled to meet surge workload demands on another department.

Members of our staff have completed a **Leadership in Energy and Environmental Design (LEED®)** certification course, and we have LEED® Accredited Professional engineers on staff.

Professional Registrations: We have mechanical and electrical engineers licensed in multiple states.

Professional Affiliations: Actively participating in many professional organizations keeps our staff up-to-date with the latest products and techniques. Currently we are represented in seven airport associations, six professional engineering societies, and two additional professional groups.

Reno

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Reno, NV 89502
Phone: 775.826.4044
Fax: 775.826.4190
Web: www.dinter.com

Phoenix

Office: 3770 North 7th St.
Suite 150
Phoenix, AZ 85014
Phone: 602.489.7303
Fax: 602.489.7295

Coeur d'Alene

Office: 17562 W. Liree Drive
Hauser Lake, ID 83854
Phone: 208.457.2538

Key Personnel Resumes:



Years:

with Dinter Engineering: 13.9

Professional Registration:

Nevada P.E. No. 018326

Degree: B.S.

Electrical Engineering - 2001

Keller C. Hackbusch - Chief Executive / Manager of Airfield Electrical Department / Electrical Engineer: Mr. Hackbusch began his employment at Dinter Engineering in 1995, while attending the University of Nevada, Reno. During the next nine years his duties focused on project management, design and construction observation services for airfield electrical projects. In 2004 Mr. Hackbusch became manager of Dinter's Airfield Electrical Department and is also Chief Executive for the firm. His duties include project management, design and construction management for airfield electrical systems on projects at 41 different airports and 10 former or current military air bases nationwide.

Keller is a member of seven airport-related professional organizations, including ACC, AAE and AzAA, and has lead educational presentations at two *ACC/AAE Airport Planning, Design and Construction Symposiums*.



Years:

with Dinter Engineering: 32.5

with other firms: 10

Education:

Electrical Engineering - 1973

Peter K. Hackbusch - President / Electrical Principal-in-Charge: Mr. Hackbusch has amassed a tremendous amount of electrical design and project management experience on a large variety of projects over the last 42 years. In 1977 he joined Dinter Engineering and became a principal in the firm in 1985.

Mr. Hackbusch's work experience includes design of high and medium voltage distribution systems; standby generation and controls, computer facilities' distribution; tele/data communications and fiber optics; pumping control systems, and special signal and security electronics systems required for prisons, hospitals, and universities.

Pete was in direct charge of most of the electrical engineering work at the Fallon Naval Air Station (NAS) in northern Nevada for over 20 years and has been involved with projects of all sizes up to construction cost of \$800 million. He is currently electrical project manager for the new Phoenix International Airport Sky Train.

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Years:

with Dinter Engineering: 8.5
with other firms: 13

Professional Registration:

Electrical Engineering P.E. in
multiple states

Degree: B.S.

Electrical Engineering - 1993

Tim A. Prockish - Executive Vice President / Manager of Idaho Office and of Electrical Department / Electrical Engineer:

Mr. Prockish has more than 21 years of engineering experience from various local electrical engineering and contracting firms. He has performed all phases of electrical engineering including design, project scheduling, estimating, submittal review, field inspections, overseeing staff and drafters, and system installation.

Tim has designed all types of electrical systems including communications infrastructure items such as security, telephone, local area network (LAN), fiber optics, information display, and fire alarm systems, power distribution, building electrical systems, and roadway and interior lighting. He is presently Dinter's Project Manager for recent projects for the Naval Air Station in Fallon, Nevada.

Mr. Prockish is particularly experienced in airport work, having done projects to date for 40 different airports/air bases in nine states. He is a member of six airport-related professional organizations.



Years:

with Dinter Engineering: 14.3
with other firms: 21

Professional Registration:

Mechanical Engineering P.E. in
multiple states and
California Energy Auditor

Degree: B.S.

Mechanical Engineering - 1974

Thomas P. Federici - Principal and Manager of Mechanical Department / Mechanical Engineer:

Mr. Federici has over 35 years' experience in engineering. He joined Dinter Engineering as a Senior Mechanical Engineer in May 1995 and is presently a principal in the firm and manager of the Mechanical Department, overseeing the mechanical and plumbing designs for all projects.

Mr. Federici's experience encompasses a wide variety of projects, and his responsibilities have included design of mechanical and plumbing systems, design review, studies, and construction inspection. He is currently mechanical project manager for the new Sky Train for Phoenix Sky Harbor International Airport.



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Years:

with Dinter Engineering: 3.1
with other firms: 7.7

Professional Registration:

Mechanical Engineering P.E. in
multiple states

Degree: B.S.

Mechanical Engineering - 1999

Donald Y. West - Mechanical Engineer: Mr. West has nearly eleven years' experience as a Mechanical Engineer designing HVAC and plumbing systems for a variety of projects including health care, institutional, educational, and commercial facilities; office buildings; and warehouses. He is now a mechanical engineer in Dinter's **Phoenix** office.

Donny's experience includes design of overall mechanical/HVAC air distribution, plumbing and fire protection systems; mechanical calculations for HVAC design; selection of new HVAC equipment and of plumbing fixtures, including ADA-compliant fixtures; and design of water, waste, and gas distribution, backflow prevention devices, and chillers and water towers

Mr. West is an active member and past-president of the local chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE).



Years:

with Dinter Engineering: 10
with other firms: 3.2

Professional Registration:

Mechanical Engineering P.E. in
multiple states

Degree: B.S.

Mechanical Engineering - 1999

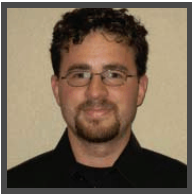
Matthew C. Myres - Mechanical Department Production Manager / Mechanical Engineer: Mr. Myres' experience includes eight years of military service, work for general contractors, employment for a plumbing contractor for whom he started an engineering department specializing in design/build projects, and various positions at Dinter Engineering, where he is now a key staff member in the firm's mechanical department. His duties include designing HVAC, plumbing, and fire protection systems, performing calculations, AutoCAD work, cost estimating, specification writing and managing mechanical production.

Matt's project experience is varied and includes military facilities, maintenance shops, a criminal forensics lab, commercial kitchens, remodeled office buildings, tenant improvement buildings, fire stations, vehicle exhaust systems, high-end residences, auditoriums, stand-alone restroom facilities, design-build mixed-use condominiums with retail spaces, underground garages, Green building design, and senior assisted living facilities. He is currently designing a complete retrofit HVAC system for a Veterans Hospital building that is more than 60 years old.



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Years:

with Dinter Engineering: .5
with other firms: 9

Professional Registration:

Electrical Engineering P.E. in
Arizona (No. 49025) and
LEED® Accredited Professional

Degree: B.S.

Marine Engineering Systems
(minor in Electrical Engineering) -
2004

Peter M. Syntax, LEED^{AP} - Electrical Engineer: Mr. Syntax has over nine years of engineering experience from engineering firms and U.S. Navy ships. In addition to electrical engineering, his background includes providing mechanical and plumbing designs for residential and commercial projects. Mr. Syntax currently heads up the Electrical Department for Dinter Engineering Company's **Phoenix** office.

Pete has performed all phases of engineering including feasibility studies and assessments, project designs, project scheduling, estimating, field inspections, construction administration and submittal review, and overseeing engineers, designers, and drafters. He also provides LEED design and documentation.

Mr. Syntax's project experience is diverse and includes educational, administrative, institutional, government, fire station, museum, recreational, athletic, mixed-use, retail, convention, hotel, and restaurant facilities.



Years:

with Dinter Engineering: 18.5
with other firms: 14

Degree:

Junior Designer - 1976

Edward R. Gansberg - Assistant Manager of Electrical Department / Electrical Project Manager: Mr. Gansberg has over 32 years' experience in the construction industry directly related to electrical engineering, performing all phases including computer operating, design, calculations, estimating, and inspections. Ed joined Dinter Engineering Company in 1991 as an Electrical Project Manager and is currently assistant manager of the Electrical Department.

Mr. Gansberg's engineering talents have received particular recognition through a number of honors/awards including:

★Special recognition from Sierra Pacific Power Company commending Mr. Gansberg's design of energy-efficient electrical systems for the Bethlehem Lutheran Church and School in Carson City, Nevada.

★"Excellence in Design" award from Washoe County Design Review Committee Awards Panel for design of an electrical snowmelt system for the Washoe County Administration Courtyard.

Mr. Gansberg is a member of the Illuminating Engineering Society of North America (IESNA).



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Years:

with Dinter Engineering: 13.9
with other firms: 2

Professional Registration:

Canada - C.E.T.

Degree:

Electrical Engineering Technology
- 1995

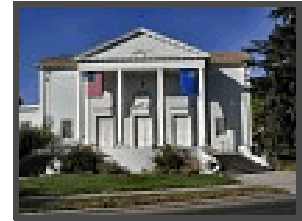
Kevin B. Melrose - Electrical Project Manager: Mr. Melrose has nearly 16 years of electrical experience performing field investigations, design, calculations, cost estimating, as-building systems, and construction administration tasks. After acquiring his Certified Engineering Technologist (C.E.T.) certification, Mr. Melrose joined Dinter Engineering's Electrical Department, bringing with him considerable knowledge in computer hardware and software as well as engineering.

Kevin has worked on a variety of new and remodeled projects for Dinter Engineering. His military experience includes projects for the Naval Air Station in Fallon, Nevada (part of three separate IDIQ contracts) and the Defense Depot San Joaquin. His other federal work includes projects for the U.S.D.A. Forest Service, U.S. Postal Service (part of an IDIQ contract), and the Department of Veterans Affairs.

In the last few years Mr. Melrose's work has focused on airport projects – specializing in apron lighting, security fencing and gates, automated access controls and card reader systems – and on municipal well and pumping station projects.

Project Examples:

Lear Theater, Reno, Nevada - Electrical design and construction support services to provide power, lighting, signal and fire alarm/detection systems for the phased conversion of the historic First Church of Christ, Scientist building (built in 1938) next to the Truckee River into a community theater for Reno Little Theater group with a 425-seat theater on the ground floor, a 125-seat cabaret, and a studio theater in the former basement. Our work included connections of theatrical lighting and special public address systems and design of site and street lighting and new electrical service to the building. (\$9 million)



U.S. Forest Service Taylor Creek Visitor Center, Highway 89 north of Camp Richardson (Lake Tahoe), California: **Lake of the Sky Amphitheater Rehabilitation and Site Lighting Improvements** - Electrical design of power and lighting for a remodeled outdoor stage with a new dressing room and storage room; new stage floodlighting; power to the sound system, projection screen and Owner-furnished equipment; and new electrical panel, receptacles and room lighting. Our work included design to relocate and/or remove the existing bench lights and circuiting; relocate the existing pathway bollard lights, removing some existing; reinstall bench lights on new benches; provide new pathway pole lights; and provide new conduit and conductors to bench lights, relocated bollards, and new pole lights. (\$421,245)



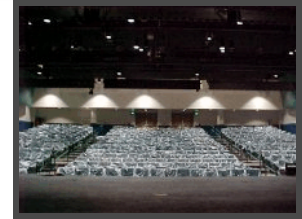
☆ 2006 "Best in Basin" award in Public Facility Rebuild category from Tahoe Regional Planning Agency for design effectiveness, ease of maintenance, types of materials used and overall visual quality.



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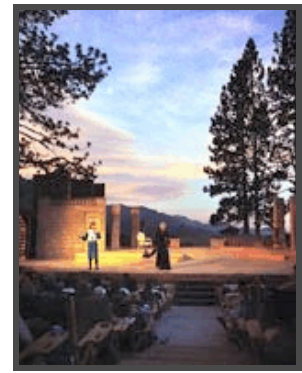
Washoe County School District, Reno, Nevada: **Three New High Schools** - Mechanical and electrical design and construction support services for new Spanish Springs, North Valleys and Damonte Ranch high schools, each with a small (350-seat) theater-type facility to accommodate plays, concerts and speakers, equipped with professional-quality theatrical lighting, dimming and sound systems. (\$100 million)



Bob Boldrick Theater, Carson City, Nevada: **Lighting Upgrade** - Prime A-E for electrical evaluation and report on an existing lighting system last upgraded in 1978 in a 826-seat capacity theater constructed in 1974, followed by preliminary design for improvements.



Lake Tahoe Shakespeare Festival, Sand Harbor State Park, Lake Tahoe, Nevada: **Warren Edward Trepp Stage, Restroom and Additional Power** - Mechanical and electrical design and construction support services for a state-of-the-art open stage structure with dressing rooms, restrooms, clothes washer and dryer area, and shower beneath the stage and piping to a remote restroom. Our work included design of ventilating, toilet room plumbing, sewage ejector, and electrical systems on-site and within the stage sound booth and ticket booth structures including lights, receptacles and equipment hookups; new electrical service to the site to step up the voltage through two transformers and 6,000 feet of 5 kV wire; and coordination with the Stage Consultant for power for stage lighting, dimming and sound systems. (\$2 million)



Naval Air Station, Fallon, Nevada: **Repair and Alteration of Theater** - Mechanical and electrical design to upgrade HVAC, electrical distribution, sound and lighting systems and provide some plumbing system modifications. Our work included design to renovate the stage and screen area and track lighting as well as improve the lobby area. (Estimate \$190,000)

Great Basin College, Elko, Nevada: **Community Center - Phase II (Theater)** - Mechanical and electrical design and construction support services to provide HVAC, plumbing, fire protection, power, lighting, and signal systems for a *new 250-300 seat theater/auditorium* with lobby, office area, restroom, stage, backstage area, and projection/lighting booth. The theater had a large stage illuminated with stage-type light fixtures provided by a local foundation fund and powered by plug-in lighting busways above the stage and on catwalks above the seating area. These were controlled by a dimmer board and matrix control console located in a light/sound booth. The seating area had recessed metal halide and incandescent down lights to allow the theater to be a multi-use facility. Dressing rooms and rehearsal rooms backstage were provided with incandescent down lights and mirror lights on local dimmers. The lobby used metal halide indirect sources to highlight the vaulted ceiling. Spotlights were used for illuminating artwork on the lobby walls. Our work included design of pole-mounted high pressure sodium walkway lighting. (\$1.9 million)



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Yerington Community Center, Yerington, Nevada: **Study through Phase IV** - Mechanical and electrical study and design to remodel a 1920's elementary school into a *community center with theater stage and multipurpose areas*. Our work included design of a new HVAC system for the lobby, plumbing for rebuilt toilet facilities, routing of sanitary sewer piping, sizing and locating a sewage lift station, replacing the electrical system, and locating light fixtures and telephones. We also developed a concept design for the theater lighting.

University of Nevada, Reno, Nevada: **Black Box Theatre (Remodel of Church Fine Arts Building)** - Prime A-E for electrical design and construction support services to provide theatrical lighting system, new 300 kVA transformer, power service, lighting distribution and intercom/sound system. (\$72,000)

Reno Little Theater, Reno, Nevada: **Remodel** - Mechanical and electrical design and construction support services.

St. Gall Catholic Church, Gardnerville, Nevada: **Parish Center** - Electrical design and construction support services to provide power, lighting, and signal systems for 20,000 sq.ft. of new construction for church parish facilities including a *multipurpose room*, offices, classroom, workroom, toilets and kitchen. Our work included design of a service upgrade; lighting for lobby monument, site, and parking lot; *theatrical lighting*; special sound; and fire alarm/detection systems. (\$3 million) *Dinter also provided the mechanical and electrical design for the original church building.*

First Presbyterian Church, Carson City, Nevada: **Phase 1 Expansion/Social Hall Addition** - Mechanical and electrical design and construction support services to provide HVAC, plumbing, fire sprinkler, lighting and power systems for a 5,241 sq.ft. social hall addition with a multipurpose facility (with basketball backstops), kitchen, scullery, stage, and toilet room. (\$162,000)

Reno Adventist Church, Reno, Nevada: **Review of Existing Electrical Installation** - Electrical engineering to review portions of existing electrical systems and their construction documents to determine and report on any code errors or contract omissions.

Immaculate Conception Church, Sparks, Nevada - Electrical design and construction observation services for a Design/Assist project to provide power, lighting, and fire alarm systems and telephone/data raceways for a new 43,000 sq.ft. church with a sanctuary seating 1,000 for Mass and a multipurpose hall with a kitchen, offices, classrooms, daycare, library, other support spaces, and a gathering space to serve as an entrance for both the sanctuary and the hall. Our work included design of power connections for the special lighting in the sanctuary and multipurpose room; power connections to, and signal cable conduits for, the projection screens, computer, and sound system; new underground utilities; lighting for parking and landscaping; power and lighting to an outside plaza fountain; and power and grounding connections to pumps for the immersion pool and baptismal font. (\$7.8 million)



☆ *Southwest Contractor's "Best of Nevada 2005 Award" for Private Building Project over \$5 million*

☆ *Q & D Construction, Inc., won "2005 PINNACLE Award" from Nevada Chapter of Associated General Contractors for "Over \$5 million" category for sensitivity to environment/history/culture.*

Our Lady of Tahoe Catholic Church, Zephyr Cove, Nevada: **Parking Lot Lighting** - Prime A-E for electrical design to provide new pole-mounted lighting, conduits, conductors, trenching, backfill, and timeclock and connection to the existing panel.



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Seventh Day Adventist Church, Reno, Nevada: **Pressure Booster Facility** - Mechanical design and construction support services to provide new domestic water and fire protection pressure booster facility for a new church using a diesel engine to power the fire protection pump and an electric motor for the domestic water pressure booster system.

First Baptist Church, Tahoe City, California - Mechanical and electrical design and construction support services to provide HVAC, plumbing, fire protection, power and lighting for a new 7,800 sq.ft. church/multi-purpose/day care facility. Our work included design of a zoned heating and ventilating system using natural gas-fired furnaces and fresh air for ventilation; new, institutional grade, low-consumption, ADA-compliant plumbing fixtures; backflow prevention on water service; wet pipe sprinklers throughout the building and glycol sub-loops or dry systems for freeze-prone areas; new power and telephone services to the building (power main service designed for underground distribution); exterior lighting; technology data and security system raceways; and fire alarm/detection systems.

Projects for **South Hills Christian Assembly**, Geiger Grade, Reno, Nevada:

- **HVAC for Foyer Addition** - Mechanical design for a design/build project to extend the existing HVAC systems to the new 20'x20' foyer addition.
- **Addition and Remodel** - Electrical design to provide power and lighting for a design/build project for a 20'x20' foyer addition, other minor associated remodel work, and Phase I parking lot site lighting.

Reno-Sparks Tongan Wesleyan Methodist Church, Sun Valley, Nevada: **Assembly Hall** - Prime A-E for mechanical and electrical design to provide HVAC, plumbing, power, interior and site lighting, and telephone systems for a new 4,400 sq.ft. structure, including an exhaust system for the restrooms and the kitchen. (\$275,000)

Bethlehem Lutheran Church and Elementary School, Carson City, Nevada: **Remodels/Additions, Phase I and II** - Mechanical and electrical design and construction support services to provide HVAC, plumbing, fire sprinkler, power and lighting systems for several phases of expansion including a remodel of a 300-occupancy sanctuary and offices, restroom additions/modifications, and a new 8-classroom Parochial school wing with kindergarten room, gymnasium, administrative offices and parking lot. Our work included design of special sanctuary lights and controls, office-type lighting, classroom lighting with parabolics for glare control, high-bay lighting for the gym, parking lot pole lights, and wall-mounted building security lights. For this project Dinter's electrical project manager received special recognition from Sierra Pacific Power Company commending his design of energy-efficient electrical systems.



The Church of Jesus Christ of Latter-Day Saints, Fallon, Nevada: **New Chapel for Fallon Fifth Ward** - Electrical design and construction support services to provide power, interior and exterior lighting, lightning protection, fire alarm and detection, and signal systems for a new church. (\$1.6 million)

Grace Community Church of Reno, Reno, Nevada - Electrical design and construction support services to provide power, lighting and signal systems for construction of a new church with classroom space at Robb Way and Bankside Drive. (\$430,000)



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The Church of Jesus Christ of the Latter-day Saints, Reno, Nevada: North Stake - Heritage Meeting House - Electrical design and construction support services to provide power, lighting and fire alarm systems for a new chapel for Reno Third Ward including athletic, recreational and therapeutic equipment. (\$1,549,000)

St. Patrick's Episcopal Church, Incline Village, Nevada - Electrical design and construction support services to provide power, lighting and fire detection/alarm systems for new 15,000 sq.ft. church with parking lot. (\$1.8 million)

St. Therese, Church of the Little Flower, Reno, Nevada: Mechanical and electrical design and construction support services for new church. (\$1 million)

St. John's Lutheran Church, corner of Taylor Avenue and Merton Drive, Fallon, Nevada - Mechanical and electrical design to provide heating, air conditioning, plumbing, water, building drainage, sanitary sewer, lighting, power, burglar alarm rough-in, signal, and telephone systems for a new 7,500 sq. ft. church.

Summary: Dinter Engineering Company will respond to your needs efficiently, within budget, on time and with the quality you expect. Compelling reasons to use Dinter include:

- ✓ **Stability/Reliability** - Dinter's longevity (in business since 1961) is assurance that we will be here to respond to the project's needs throughout design and construction.
- ✓ **Experience** - Dinter's resources of thousands of completed projects of all kinds and managers with decades of experience in their fields is assurance that our staff will have the knowledge to engineer the project using the most up-to-date design.
- ✓ **Small Business** - Dinter offers the economy of working with a smaller firm as opposed to large, multi-disciplined, international firms.
- ✓ **Technology** - Dinter's use of the latest computer technologies and software results in timely responses and thorough documents.
- ✓ **Fast Response** - Dinter's methods to assure on-time response have been developed for use on projects across the country; so no matter where the work is located, Dinter will meet the scheduled due dates.
- ✓ **Familiarity with Construction Phasing** - Dinter's considerable experience with airports, hospitals, and military bases has made us experts in innovative solutions for construction planning and phasing of projects while maintaining facility operation.
- ✓ **Quality** - Dinter's excellent reputation for producing the best possible product, performed on time and within budget is recognized by our many repeat clients.
- ✓ **Professional Affiliations** - Dinter's active memberships in many airport and engineering organizations keeps our staff up-to-date with the latest products and techniques.

We welcome the opportunity to serve your needs.



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