



Engineering Confidence.
Airfield
Electrical
Mechanical

Statement of Qualifications:



Naval Air Station, Fallon, Nevada



BLM Dispatch, Reno, Nevada



VA Hospital, Reno, Nevada



Thompson Federal
Courthouse, Reno, NV



USFS Taylor Creek Amphitheater, CA



Buckley AFB, Colorado

Federal Experience

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General Overview

Dinter Engineering Company

Consulting Engineers for Mechanical, Electrical and Airfield Electrical Systems

Dinter Engineering Company is a small business corporation which provides consulting engineering services for mechanical, plumbing, and electrical systems and includes a dedicated Airfield Electrical Department for airfield power, lighting, signage and NAVAIDS systems. The firm's corporate office began operations in Reno, Nevada, in 1961 and 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 is comprised of professional engineers licensed throughout the Western U.S. as well as engineer interns, project managers, designers, CADD technicians, Revit® BIM technicians, and administrative personnel with years of experience. Staff members coordinate effectively in-house, resulting in the best possible product delivered on time and within budget. We also utilize departmental crossover of our drafting and technical personnel whenever needed to meet project deadlines.

Stability: Dinter has a long history of service coupled with a continuous, competent work record and key personnel retention. These factors have encouraged many repeat clients over the years including airports; hospitals; city, county, state and federal agencies and most branches of the Armed Services.

Technological Capabilities: Dinter is totally automated and networked using the latest computer technology. We have a Web page at <http://www.dinter.com> and a general e-mail address of marketing@dinter.com, along with individualized addresses. Our high-speed Internet capabilities allow nearly instantaneous transfer of data and plot files, affording speedy and cost-effective coordination between offices separated by distance. We also utilize a constantly updated, rigorous virus protection system and fire walls.

Extensive Military Experience: Dinter's overall military experience spans four decades—45 years for Army and Air Force Base jobs, 48 years for National Guard facilities, and 45 years for Naval and Marine Corps projects—demonstrating long-term Government business relationships. Our resume includes work for 48 military bases in 8 states.



General Overview

- ✪ Army: 27 projects for 6 bases (and 2 IDIQ contracts)
- ✪ Air Force: 34 projects for 19 bases (and 2 IDIQ contracts)
- ✪ National Guard: 66 projects for facilities in 7 cities (and 6 IDIQ contracts)
- ✪ Coast Guard: 2 projects for 1 base
- ✪ Navy/Marine Corps: 146 projects for 15 bases (and 12 IDIQ contracts)



NAS Fallon

Dinter has also designed a number of projects for **former military air bases** such as Southern California Logistics Airport (formerly George AFB), Pocatello Regional Airport (formerly an Army Air Base), Phoenix-Mesa Gateway Airport (formerly Williams AFB), Mather Airport (formerly Mather AFB), and Klamath Falls Airport (formerly an Air Force Base).

Federal Government Experience: Dinter not only has a substantial amount of experience working for various branches of the Department of Defense (DOD) but also for other Federal agencies:

- ★ Bureau of Land Management
- ★ Department of Homeland Security/Customs and Border Protection
- ★ Federal Emergency Management Agency
- ★ General Services Administration
- ★ U.S. Department of Agriculture
- ★ U.S.D.A. Forest Service
- ★ U.S. Fish and Wildlife Service
- ★ U.S. Department of Health and Human Services -- Office of Head Start (OHS)
- ★ U.S. Department of Labor
- ★ U.S. Postal Service
- ★ U.S. Department of Veterans Affairs

Federal IDIQ Experience: Dinter has served on 28 Indefinite Delivery/Indefinite Quantity (IDIQ) contracts for federal government agencies, of which 22 were for the DOD. A consequence of this intense IDIQ experience is a staff experienced in successfully managing multiple Task Orders within allotted time schedules. We've also serviced all types of facilities through these contracts including:

- ✓ Airfields and aircraft runways, taxiways, aprons, helipads
- ✓ Control towers
- ✓ Electronic warfare bombing ranges, radar stations
- ✓ Aircraft maintenance and storage hangars, airfield vehicle support facilities, Avionics facilities
- ✓ Maintenance facilities, shop buildings, munitions facility, bomb and rocket assembly building, engine repair/test facilities
- ✓ Crash/fire/rescue facilities and fire stations
- ✓ Fuel analysis laboratory, fuel farm
- ✓ Warehouses, storage facilities, hazardous waste storage facilities
- ✓ Headquarters, administrative/office buildings, telecommunication centers, computer facilities
- ✓ Training facilities, battle/flight training centers (simulation centers), vocational trade facilities
- ✓ Residences, family housing, officers quarters, dormitories, barracks
- ✓ Dining halls, kitchens, officers' clubs
- ✓ Chapels

General Overview

- ✓ Recreational buildings, physical fitness centers, gymnasiums, bowling alley, theater, commissaries
- ✓ Child care/development/youth centers
- ✓ Medical and dental facilities
- ✓ Visitor centers
- ✓ Campgrounds, picnic areas, trails, ball fields
- ✓ Parking areas
- ✓ Access control/gate improvements
- ✓ Wastewater treatment plants, domestic water storage, water distribution
- ✓ Central plants
- ✓ Utilities, utility pedestals, infrastructure systems.

Engineering Systems: Our staff is experienced in all types of mechanical, plumbing and electrical systems with particular qualifications in evaluating or designing the following:

Mechanical/Plumbing:

- Heating, ventilating, and air conditioning (HVAC) for institutional, commercial, and industrial applications
- Central plants (boilers/chillers)
- Co-generation systems
- Steam heating and process
- Underground utilities and utility distribution
- Vehicle exhaust source extraction systems with automatic start and disconnect capabilities including Nederman vehicle exhaust
- Fire protection including aqueous film forming foam (AFFF) fire suppression, clean-agent dry fire suppression (FM-200®, Inergen® and FE-13®), and fire sprinklers
- Plumbing, fuels (gaseous and liquid), domestic water, and drain/waste/vent
- Backflow prevention assemblies
- Special waste handling--sand-and-oil interceptors, waste oil collection/storage
- Medical gases
- Air tank breathing-air filling stations
- Compressed air
- Process piping
- Underground and above grade fuel storage tanks, dispensing facilities , appurtenances
- Generator fueling and ventilation
- Temperature and process controls
- Solar space heating and water heating designs and feasibility studies
- Hydronic snowmelt for walkways, driveways and building entrances
- Energy management (building energy control)
- Energy audits and efficiency evaluations.

Electrical:

- Power transmission and distribution, substations and generating plants
- Building power (design and evaluation)
- Standby generator and uninterruptible power supply (UPS)
- Power for automatic roll-up doors
- Special power for computer systems, including local area network (LAN)
- Fiber optics
- Wire management
- Lighting, interior, with controls and dimming systems
- Lighting, exterior, with controls for roadways, parks, aprons, and parking lots
- Intercom, paging, and nurse call
- Fire alarm and detection
- Building security and access
- Prison security and control

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Electrical (continued):

- Security electronics, including personal duress alarms, card access, prison locking, and facility control panels
- Security fencing and automatic gates
- Intrusion detection (IDS)
- Closed circuit television (CCTV)
- Clock and program
- Television distribution and utilization
- Master antenna television distribution
- Communications, telephones, data, and voice outlets with Category 6 wiring
- Energy management
- Pump station controls and control telemetry, including Supervisory Control and Data Acquisition (SCADA).

Specialized Airside Electrical: Our Airfield Electrical Department regularly provides power and/or lighting design for:

- ➔ Runways, taxiways, aprons/ramps, and helicopter landing pads (helipads)
- ➔ Navigational and visual aids, such as PAPIs, REILs, approach lighting systems, ILS, GS, LOC, and DME
- ➔ Beacons and wind cones/wind socks
- ➔ Airfield mandatory/directional/guidance signage
- ➔ Weather stations (AWOS and ASOS)
- ➔ Airfield lighting control and monitoring systems (ALCMS)--computerized and analog
- ➔ Standby generators and uninterruptible power supplies (UPS)
- ➔ Communications
- ➔ Site electrical utilities
- ➔ Constant Current Regulators (CCRs)
- ➔ Airfield electrical/power/lighting vaults.

Staff: Dinter utilizes departmental crossover of our drafting and technical personnel whenever needed to meet project deadlines as well as independent third party review where possible. Our staff members coordinate effectively in-house, resulting in the best possible product delivered on time and within budget.

We feel that quality assurance and cost control are of primary importance, along with meeting schedules, and we follow specific quality assurance guidelines to hold errors to a minimum, contain costs, and achieve deadlines. Our clients have told us that our work is technically superior to that of many other firms with whom they have worked and that we are honest, sincere, hardworking, easy to get along with, and respond faster nationwide than many other firms.

Our firm has an excellent reputation, has been litigation-free since the beginning, and is financially secure.

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Sustainability: Dinter Engineering Company regularly incorporates energy-efficient designs conforming to the latest guidelines of the Model Energy Code, ASHRAE90.1, EPACT 2005, Executive Order No. 13423, state energy codes, California Title 24, and local adopted green standards. All of our designs include the latest in energy-efficient systems and reduced consumption technologies. Dinter has received many awards from utility companies for our energy-efficient designs in both mechanical and electrical engineering disciplines.



Bethlehem Lutheran Church and School -- energy-efficient electrical systems

Members of our staff have completed a **Leadership in Energy and Environmental Design (LEED®)** certification course, we employ LEED® Accredited Professionals, and we utilize LEED® principles and techniques whenever possible to design environmentally friendly "Green Buildings" incorporating energy efficiency and waste reduction. Dinter is currently in charge of the LEED® process for the new multi-million-dollar **PHX Sky Train** at Sky Harbor International Airport in Phoenix that will result in LEED® "Green Building" certification for the entire project.

We routinely design energy-efficient lighting fixtures and low-consumption plumbing fixtures and have engineered projects which utilize solar and geothermal energy. Our mechanical designs include the latest techniques for energy-efficient design by incorporating ice storage, heat recovery, geothermal energy, outside air economizing and energy management controls utilizing state-of-the-art direct digital controls (DDC). Our electrical projects include the latest in high-efficiency lighting sources with automatic controls to limit use to occupied times only. As a standard practice, we specify outdoor light fixtures which are "Nighttime Friendly" with high-efficiency lamps. This means that the light fixtures we select are consistent with U.S. Green Building Council's LEED® and Green Globes™ product criteria for energy efficiency and light pollution reduction.

Design-Build: Dinter Engineering has been involved in design-build work for many years. Examples include:

- ✓ Creech Air Force Base, Nevada: Design-Build UAS Main Gate and Infrastructure
- ✓ Nellis Air Force Base, Las Vegas, Nevada: Design and Repair Various 58th Para RQS Facilities in Area II
- ✓ Naval Air Weapons Station (NAWS), China Lake, California: Design-Build Repair Flightline Lighting Electrical Distribution System [part of Dry Utilities Multiple Award Contract Construction (MACC)]
- ✓ El Centro Naval Air Facility, El Centro, California: Design-Build Lighting for Simulated Aircraft Carrier Deck with Landing Lights and Helicopter Landing Pad
- ✓ Design-Build Projects for Naval Air Station, Fallon, Nevada:
 - ▶ Design-Build Taxiways B, F, G - Lighting Upgrade
 - ▶ Electrical Infrastructure Upgrades at Various Locations
 - ▶ Design-Build Taxiway Alpha Lighting Systems Upgrade
 - ▶ Design-Build Taxiway E, CALA Ramp, Aprons for Hangars 3, 4 and 7
 - ▶ Design-Build Heating Plant Decentralization
 - ▶ Insulation Resistance Monitoring System (IRMS) and Wave-off Lighting for Runway 13L-31R



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- ✓ Defense Depot San Joaquin [Sharpe Defense Depot], Tracy Site, California: Renovate Building 286, Bays 4, 5 and 6
- ✓ Brown Field Municipal Airport, San Diego, California: Design-Build Fuel Lines
- ✓ Norman Y. Mineta San José International Airport, San José, California: Renzel Airfield Taxiways Y and Z Improvements
- ✓ Los Angeles International Airport, Los Angeles, California: Airport-wide Computer Airfield Lighting Control and Monitoring System Upgrade
- ✓ Phoenix Sky Harbor International Airport, Phoenix, Arizona: S2 Concourse Apron Development/ Taxiway D Reconstruction
- ✓ Pulliam Airport, Flagstaff, Arizona: GA Box, T- and Shade Hangar Infrastructure and Design
- ✓ The Boys & Girls Club of Western Nevada, Carson City, Nevada: New Facility
- ✓ Northern Nevada Adult Mental Health Services, Sparks, Nevada: Dini-Townsend Hospital - Design-Build East Wing Remodel
- ✓ Flying Eagle Air Park Ranches, Washoe County, Nevada
- ✓ Camp Grizzly Creek, Portola, California: Campground, Phase I Buildings
- ✓ Truckee Police Station, Truckee, California: Remodel
- ✓ Nevada Department of Motor Vehicles & Public Safety/Nevada Highway Patrol State Office Building Complex, Elko, Nevada
- ✓ Carson City Public Works, Butti Way, Carson City, Nevada: Renovate Electrical Service in Building #7
- ✓ The Metropolitan at Cupertino, Cupertino, California: HVAC and Plumbing Systems
- ✓ University of Nevada, Reno: Frandsen Humanities Building: Retrofit Security and Fire Alarm Systems



Boys & Girls Club



The Metro



Reno ReTRAC

- ✓ Truckee Meadows Reno Transportation Rail Access Corridor (ReTRAC), Reno, Nevada: Phase I - Project Management
 - ★ *Southwest Contractor's* "Best of Nevada 2005 Award" for Transportation Project
 - ★ *American Public Works Association 2007 award* "Public Works Project of the Year" in Transportation category, more than \$100 million range

Key Personnel

Key Personnel:

<i>Keller C. Hackbusch</i>	- Chief Executive / Manager of Airfield Electrical Department Electrical Engineer
<i>Peter K. Hackbusch</i>	- President Electrical Principal-in-Charge
<i>Tim A. Prockish</i>	- Executive Vice President / Manager of Idaho Office and of Electrical Department Chief Electrical Engineer
<i>Thomas P. Federici</i>	- Principal / Manager of Mechanical Department Chief Mechanical Engineer
<i>Matthew C. Myres</i>	- Mechanical Department Production Manager Mechanical Engineer
<i>Donald Y. West</i>	- Mechanical Engineer
<i>Peter M. Syntax, LEED^{AP}</i>	- Electrical Engineer
<i>Edward R. Gansberg</i>	- Assistant Manager of Electrical Department Electrical Project Manager
<i>Kevin B. Melrose</i>	- Electrical Project Manager

The staff of Dinter Engineering Company generally numbers around 30 and is comprised of professional engineers licensed throughout the Western U.S. as well as engineer interns, project managers, designers, CADD technicians, Revit® BIM technicians, and administrative personnel with years of experience. The firm operates three departments from which drafting and technical personnel may be pulled to meet surge workload demands on another department.

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 the following associations:

- ➔ Airport Consultants Council (ACC)
- ➔ American Association of Airport Executives (AAAAE)
- ➔ American Association of Airport Executives - South Central Chapter (AAAAE-SCC)
- ➔ Northwest Chapter of the American Association of Airport Executives (NWAAAAE)
- ➔ Southwest Chapter American Association of Airport Executives, Inc. (SWAAAAE)
- ➔ Arizona Airports Association (AzAA)
- ➔ Nevada Airports Association (NvAA)
- ★ American Public Works Association (APWA)
- ★ American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)
- ★ American Society of Mechanical Engineers (ASME)
- ★ Builders Association of Western Nevada (BAWN)
- ★ The Institute of Electrical and Electronics Engineers, Inc. (IEEE)
- ★ Illuminating Engineering Society of North America (IESNA)
- ★ National Fire Protection Association (NFPA)
- ★ National Society of Professional Engineers (NSPE)

Key Personnel



Years:

with Dinter Engineering: 14.3

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 now also Chief Executive for the firm. Keller's considerable airfield project experience includes work for 46 different airports and 6 military air bases in 12 states.

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

Project Experience:

- **El Centro Naval Air Facility**, El Centro, California: *Design-Build Lighting for Simulated Aircraft Carrier Deck with Landing Lights and Helicopter Landing Pad.*
- **MCAS, Camp Pendleton**, California: *Repair of Bravo (formerly known as Alpha) Taxiway.*
- **Naval Air Weapons Station (NAWS), China Lake**, California: *Design-Build Repair Flightline Lighting Electrical Distribution System.*
- **Grand Forks Air Force Base**, North Dakota: *Construction Quality Assurance Observation Services for Runway Reconstruction.*
- **Wright-Patterson Air Force Base**, Ohio: *Replace Runway 05L-23R Approach Lights.*
- Projects for **Naval Air Station, Fallon**, Nevada:
 - *Design-Build Taxiway E, CALA Ramp, and Aprons for Hangars 3, 4 and 7.*
 - *Insulation Resistance Monitoring System & Wave-off Lighting - Runway 13L-31R*[Design-Build].
 - *Airfield Electrical Systems' Condition Assessment* [part of IDIQ contract.]
- **Klamath Falls Airport**, Klamath Falls, Oregon (former Air Force Base and presently Air National Guard Base): *Various Airport Improvements.*
- 3 projects for **Phoenix-Mesa Gateway Airport**, Mesa, Arizona (former Williams Air Force Base).
- 3 projects for **Southern California Logistics Airport** (former George Air Force Base), Victorville, CA, including: *Airfield Electrical Systems Upgrade and Vault (Fast-Track: design was completed in just 10 weeks from initial field investigation through bid documents for complete electrical upgrade for airport).*
- **Pocatello Regional Airport**, Pocatello, Idaho (former Army Air Base): *Runway 3-21 Improvements.*
- 3 projects for **Los Angeles International Airport**, Los Angeles, California, including:
 - *Computer Airfield Lighting Control and Monitoring System Upgrade* [Design-Build].
- **Idaho Falls Regional Airport**, Idaho Falls, Idaho: *Runway 2/20 Rehabilitation.*
- 4 projects for **Colorado Springs Airport**, Colorado Springs, Colorado.
- 6 projects for **Reno-Stead Airport** (Army National Guard Base), Reno, Nevada.
- 14 projects for **Reno-Tahoe International Airport**, Reno, NV (Air National Guard Base) including:
 - *New Cargo Facility for U. S. Postal Service.*
- 5 projects for **Norman Y. Mineta San José International Airport**, San José, California, including:
 - *Renzel Airfield Improvements* [Design-Build].
- **Tallahassee Regional Airport**, Tallahassee, Florida: *Runway 9/27 Reconstruction and Correction of Line of Sight.*

Key Personnel



Years:

with Dinter Engineering: 33
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 43 years. In 1977 he joined Dinter Engineering and in 1985 became a principal in the firm. Presently Mr. Hackbusch is president and the principal in charge of electrical production.

For over 20 years Pete was in direct charge of most of the electrical engineering work for the Naval Air Station in Fallon, Nevada and he is especially knowledgeable in indefinite delivery/indefinite quantity (IDIQ) contracts, having participated in 19 federal IDIQ contracts. He has done projects for DOD agencies in California, Colorado, Nevada, North Dakota, Ohio, Utah, and Washington.

Project Experience:

- 4 projects for **U.S.D.A. Forest Service** including:
 - **Zephyr Cove Resort Campground and RV Park**, Zephyr Cove, Nevada: *Rehabilitation* [part of IDIQ contract] ☆ Won TRPA "2003 Best in Basin" award.
- 16 projects in California and Nevada for **General Services Administration**, including an IDIQ contract involving federal office buildings, courthouses and post offices, and:
 - **New Bruce R. Thompson U.S. Courthouse and Federal Building**, Reno, Nevada ☆ recognized by AIA as among Top 10 designed courthouses in the nation for aesthetic and security reasons and earned *AIA Nevada Excellence in Design Awards* for 1997, 1998 and 2000.
- 6 projects for **U.S. Department of Labor** at **Sierra Nevada Job Corps Center**, Reno, Nevada, including: *Buildings #4, #22, and #30: Fire Safety Retrofit.*
- **Bureau of Land Management: New Dispatch Facility**, Reno-Stead Airport, Reno, Nevada.
- **Moapa Valley Fisheries, Moapa National Wildlife Refuge**, Nevada: *Phase 1 Visitor Center Development.*
- 12 projects for **U.S. Postal Service** including: *Silver City, Nevada Remodel.* (part of IDIQ contract.)
- 11 projects for **VA Sierra Nevada Health Care System** (Hospital), Reno, Nevada, including:
 - *Building #1 HVAC System Replacement.*
- **Dept. of Veterans Affairs Carl T. Hayden Medical Center**, Phoenix, AZ: *Increase Electrical Distribution.*
- 31 projects for **Nevada Air National Guard**, Reno-Tahoe International Airport, Reno, Nevada, including 4 IDIQ contracts.
- Work for 17 **Air Force Bases** in Western U.S. (including an IDIQ contract.)
- 57 projects for **Naval Air Station, Fallon**, Nevada, including 8 IDIQ contracts.
- **Naval Air Weapons Station (NAWS), China Lake**, California: *Design-Build Repair Flightline Lighting Electrical Distribution System* [part of MACC].
- **El Centro Naval Air Facility**, El Centro, California: *Design/Build Lighting for Simulated Aircraft Carrier Deck with Landing Lights and Helicopter Landing Pad.*
- **MCAS, Camp Pendleton**, California: *Repair of Bravo (formerly known as Alpha) Taxiway.*
- **Naval Air Station, Lemoore**, California: *Runway/Taxiway Lighting Guidance Signs.*
- **Southern California Logistics Airport**, Victorville, California (former George Air Force Base): *Airfield Electrical Systems Upgrade and Vault.*

Key Personnel



Years:

with Dinter Engineering: 9
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 22 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.

Mr. Prockish has considerable experience with DOD agencies including the Air Force, Army, Marine Corps, and Navy, is currently Dinter's Project Manager for many recent projects for the NAS in Fallon, Nevada, and has been involved in two IDIQ contracts at this Base. He has also been involved in a number of projects for other federal agencies including work for the USDA Forest Service, U.S. Dept. of Housing and Urban Development (HUD), U.S. Dept. of Labor, and Department of Veterans Affairs.

Project Experience:

- **Buckley Air Force Base**, Aurora, Colorado: *Taxiway Zulu Widening.*
- **El Centro Naval Air Facility**, El Centro, California: *Design-Build Lighting for Simulated Aircraft Carrier Deck with Landing Lights and Helicopter Landing Pad.*
- **MCAS, Camp Pendleton**, California: *Repair of Bravo (formerly known as Alpha) Taxiway.*
- **Naval Air Weapons Station (NAWS), China Lake**, California: *Design-Build Repair Flightline Lighting Electrical Distribution System.*
- 19 projects for **Naval Air Station, Fallon**, Nevada, including:
 - ▶ *Design-Build Taxiways B, F, G - Lighting Upgrade.*
 - ▶ *Design-Build Taxiway Alpha Lighting Systems Upgrade.*
 - ▶ *Electrical Infrastructure Upgrades at Various Locations (\$2.7 million design-build project.)*
 - ▶ *Insulation Resistance Monitoring System (IRMS) and Wave-off Lighting for Runway 13L-31R (design-build project--airfield lighting, NAVAIDs, vault.)*
 - ▶ *Design-Build Taxiway E, CALA Ramp, and Aprons for Hangars 3, 4 and 7.*
 - ▶ *2003 IDIQ Contract* (6 projects).
 - ▶ *2001-03 IDIQ Contract* (8 projects).
- **Defense Depot San Joaquin**, Tracy Site, CA: *Renovate Bldg 286, Bays 4, 5 and 6* (design-build).
- **Nellis Air Force Base**, Nevada: *Design and Repair Various 58th Para RQS Facilities in Area II* (Design-Build renovation of six buildings).
- **Phoenix-Mesa Gateway Airport** (former Williams Air Force Base), Mesa, Arizona: *Fire Protection System, Phases I and II.*
- **Norman Y. Mineta San José Intl. Airport**, California: *Renzel Airfield Improvements* (design-build).
- Projects for **U.S. Forest Service**:
 - ▶ *Truckee Public Services Center*, Truckee, California: Infrastructure.
 - ▶ *Taylor Creek Visitor Center*, (Lake Tahoe), CA: Lake of the Sky Amphitheater Rehabilitation and Site Lighting Improvements.
- Other **Federal** Work: 4 projects for **U.S. Dept. of Housing and Urban Development (HUD)** [prior to Dinter], 1 project for **Department of Veterans Affairs.**

Key Personnel



Years:

with Dinter Engineering: 14.6
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 federal experience includes projects for the Bureau of Land Management, General Services Administration, USDA Forest Service (including an IDIQ contract), US Department of Labor (Job Corps), US Postal Service, Department of Veterans Affairs, and DOD work for four Army and Air Force Bases in the Western States, for the Navy in Nevada (including three IDIQ contracts), and for the Nevada National Guard (including an IDIQ contract). His military experience prior to employment at Dinter Engineering includes multiple projects for the Air Force, Navy and National Guard in Nevada.

Project Experience:

- **Nevada National Guard State Area Readiness Command Complex**, Carson City, Nevada, comprised of two new buildings-- *USPFO* (31,000 sq.ft.) and *Armory/Headquarters (OTAG)* (78,683 sq.ft.)
- Projects for **Nevada Air National Guard**, Reno-Tahoe International Airport, Reno, Nevada:
 - ▶ *Modification of Hangar Fire Suppression System and Design of Overhead Crane.*
 - ▶ *Interim C-130 Aircraft Maintenance Hangar.*
 - ▶ *Addition of Welding Shop to Jet Engine Shop* [part of IDIQ contract.]
- 11 projects for **Naval Air Station, Fallon**, Nevada, including three IDIQ contracts, and *Design-Build Heating Plant Decentralization.*
- **Bureau of Land Management Dispatch Facility**, Reno-Stead Airport, Stead, Nevada.
- **Sierra Nevada Job Corps Center**, Stead/Reno, Nevada: *HVAC Addition to Women's Dormitories Buildings #11 and #15.*
- **GSA: Bruce R. Thompson U.S. Courthouse and Federal Building**, Reno, Nevada: *Security Gates.*
- 3 projects for **U.S.D.A. Forest Service**, including: *Zephyr Cove Resort Campground and RV Park*, Zephyr Cove, Nevada: *Rehabilitation* [part of IDIQ contract] ☆ Won TRPA "2003 Best in Basin" award.
- **U.S. Post Office** (built in 1932), Downtown Branch, Reno, Nevada: *Elevator Room.*
- Projects for **VA Sierra Nevada Health Care System** [Hospital], Reno, Nevada:
 - ▶ *Building #1 HVAC System Replacement.*
 - ▶ *Construct Chapel.*
- **Defense Depot San Joaquin** [Sharpe Defense Depot], Tracy Site, California: *Renovate Building 286, Bays 4, 5 and 6* (design-build project).
- **Nevada National Guard**, Carson City, Nevada: *HVAC System Renovation in Office of the Adjutant General (OTAG) Building.*
- **U.S. Army Reserve Center**, Mare Island, California: *MP&E Utility/ATFP Evaluation.*
- * Projects prior to Dinter employment:
 - 4 projects for **Naval Air Station, Fallon**, Nevada.
 - **Nellis Air Force Base**, Las Vegas, Nevada: *New Accounting Facilities Building.*
 - **Nevada National Guard**, Carson City, Nevada: *CS/MS and Organizational Maintenance Shop.*

Key Personnel



Years:

with Dinter Engineering: 10.3
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, commercial kitchens, remodeled office buildings, fire stations, vehicle exhaust systems, auditoriums, stand-alone restroom facilities, design-build mixed-use condos with retail spaces, *Green* building design, and senior assisted living facilities.

Project Experience:

- **Nellis Air Force Base**, Las Vegas, Nevada: *Design and Repair Various 58th Para RQS Facilities in Area II* (\$4.5 million design-build project to repair/refurbish six buildings.)
- **Nevada National Guard State Area Readiness Command Complex**, Carson City, Nevada:
 - ▶ *New USPFPO Building* (\$4.4 million; 31,000 sq.ft.)
 - ▶ *New Armory/Headquarters (OTAG) Building* (\$8.6 million; 78,683 sq.ft.)
- Projects for **Naval Air Station, Fallon**, Nevada:
 - ▶ *IDIQ Contract N44255-03-D-6037: Building 455, Central Utility Plant - Replace Air Compressors.*
 - ▶ *IDIQ Contract N44255-03-B-6063:*
 - *Repair Indoor Swimming Pool.*
 - *Modify Rooms B183 and B186 in Strike and Warfare Building #465.*
- **Defense Depot San Joaquin** [Sharpe Defense Depot], Tracy Site, California: *Renovate Building 286, Bays 4, 5 and 6* (design-build project.)
- **800 High Street Apartments**, Palo Alto, California: *HVAC and Plumbing Systems* [design-build.]
- **VA Sierra Nevada Health Care System**, Reno, Nevada: *Building #1 HVAC System Replacement* Prime A-E/Mechanical Engineer/Designer/Construction Observer for \$16 million phased renovation project to replace antiquated HVAC system in 132,000 sq.ft., six-story, 68-year-old building.)
- **Housing Authority of the City of Reno (HUD), Nevada: Hawk View Apartments: Heating System Evaluation and Repair.**
- **University of Nevada, Reno: Anderson Health Science Building, Manville School of Medical Science: Remodel of Animal Care Laboratory.**
- **Sparks Fire Stations Nos. 2, 3 and 4**, Sparks, NV: *Nederman Vehicle Exhaust Systems* (Prime A-E.)
- **Squaw Valley Public Service District**, Olympic Valley, CA: *Fire Station and Administration Center.*
- **Phoenix Sky Harbor International Airport**, Phoenix, Arizona: *PHX Sky Train* (\$800 million.)
- 5 projects for **Washoe County Jail**, Reno, Nevada, including:
 - ▶ *Replace Chiller.*
 - ▶ *Civil Protective Custody (CPC) Expansion.*
 - ▶ *Remodel Basement Forensic Laboratory.*
- **Plumas County Sheriff's Correctional Center**, Quincy, California: *Phase II Remodel.*

Key Personnel



Donald Y. West - Mechanical Engineer: Mr. West has 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.

Years:

with Dinter Engineering: 3.3
with other firms: 7.7

Professional Registration:

Mechanical Engineering P.E. in multiple states

Degree: B.S.

Mechanical Engineering - 1999

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).

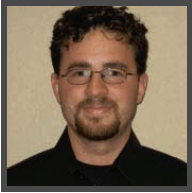
Project Experience:

- Phoenix Sky Harbor International Airport, Phoenix, Arizona: *PHX Sky Train*.
- Brown Field Municipal Airport, San Diego, California: *Design/Build Fuel Lines*.
- Reno-Tahoe International Airport, Reno, Nevada: *Integrated In-Line Explosive Detection System (Airport Baggage Check-in) Project*.
- City of Reno Police Department, Reno, NV: *Main Police Station HVAC Replacement (Prime A-E.)*
- Arizona Department of Revenue, Phoenix, Arizona: *Elevator Modernization*.
- Foothills Community Park, Goodyear, Arizona: *Aquatic Facility*.
- Regional Transportation Commission of Washoe County, Reno, Nevada: *RTC Ride and RTC Access Facilities: Seismic Gas Shutoff Valves*.
- Silver Peak Grill & Taproom on the River, Reno, Nevada: *Modification and Reconfiguration of Kitchen Hood Exhaust for the Parking Gallery Ventilation System (Prime A-E for City of Reno.)*
- University of Nevada, Reno: *Fleischmann Agriculture Building #032: Environmental Controls Upgrade for Rooms 135, 137, 137B, Animal Laboratory (Prime A-E.)*
- Lamoreaux Marketplace, Phoenix, Arizona (eight 3,000 sq.ft. tenant spaces in new building.)
- Arizona State Veterans Home, Phoenix, Arizona: *Dining Room Remodel Expansion*.

Prior to Dinter Engineering employment:

- * North Tahoe Fire Station, North Lake Tahoe, California (new building; ADA-compliant plumbing).
- * Southern Nevada Adult Mental Health Services, Las Vegas, Nevada: *Rawson-Neal Psychiatric Hospital* (new 117,000 sq.ft., single-story, 190-bed psychiatric hospital).
- * University of Nevada, Reno: *Student Union Building* (new 160,000 sq.ft. building).
- * 3 projects for Lyon County School District, Nevada, including new elementary and intermediate schools in Fernley.
- * China Springs Boys' & Girls' Dormitories, Gardnerville, Nevada (new buildings).
- * Comstock Large Animal Hospital, Reno, Nevada (new veterinary hospital with offices).
- * Lahontan Fish Hatchery, Gardnerville, Nevada (new building; HVAC equipment selections and water distribution system for ultraviolet (UV) filter system inside the building).

Key Personnel



Years:

with Dinter Engineering: .8
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 nearly ten years of engineering experience from engineering firms and from U.S. Navy ships. He is currently in the Navy Reserve and holds an active military ID. 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.

Project Experience:

- **Phoenix Sky Harbor International Airport**, Phoenix, Arizona: *Phx Sky Train* (Electrical Engineer/Assistant Project Manager for phased new passenger train system with elevated guideways, platform stations, Maintenance and Storage Facility, and Automated Train Central Control Facility.)
- **Arizona State Veterans Home**, Phoenix, Arizona: *Dining Room Remodel Expansion* (On-site Electrical Engineer.)
- Projects for **Kingman Airport**, Kingman, Arizona:
 - *Airfield Guidance Signage* (Local Electrical Engineer/Project Manager.)
 - *New Terminal* (Electrical Engineer/Project Manager.)

Prior to Dinter Engineering employment:

- * **APS Deer Valley Operations Building**, Phoenix, Arizona (new \$85 million, multi-story, 220,000 sq.ft.)
- * Projects for **Arizona State University**, Tempe, Arizona:
 - *Devil Dome* (new \$15 million, 90,000 sq.ft. indoor practice and training facility for football team.)
 - *Psychology Department Expansion and Renovation* (\$10 million, phased, multiple remodel packages of over 65,000 sq.ft. of office and research space in six different buildings.)
 - *The Weatherup Center* (new \$25 million, 44,000 sq.ft. basketball practice facility.)
- * **Surprise City Hall**, Surprise, Arizona (new, \$48.5 million, 160,000 sq.ft. city hall.)
- * **Maricopa County Fire Stations #2 and #571**, Maricopa County, Arizona (new municipal fire stations.)
- * **The Baha'i Faith Center**, Scottsdale, Arizona (three-building religious facility complex.)
- * **Bank of America Corporate Offices**, Phoenix, Arizona (\$8 million, 1.3 million sq.ft. remodel.)
- * **George Washington Carver Museum & Cultural Center**, Phoenix, AZ: *Feasibility Study & Renovation.*
- * **Las Vegas Convention Center**, Las Vegas, Nevada (\$890 million; three million sq.ft.)
- * **The Rock Teen Center**, Phoenix, Arizona (new two-story, 26,000 sq.ft. multipurpose.)
- * **Yourland Mixed-Use Development**, Phoenix, Arizona (new mixed-use development including nine six-story office buildings, three multi-level parking garages, a hotel, restaurant, and retail space.)

Key Personnel



Years:

with Dinter Engineering: 19
with other firms: 14

Degree:

Junior Designer - 1976

Edward R. Gansberg - Assistant Manager of Electrical Department / Electrical Project Manager: Mr. Gansberg has 33 years' experience in the construction industry directly related to electrical engineering. Ed joined Dinter in 1991 as an Electrical Project Manager and is currently assistant manager of the Electrical Department.

Mr. Gansberg's engineering talents have received special recognition for design of energy-efficient electrical systems. He is currently a member of the Illuminating Engineering Society of North America.

Ed's federal government experience includes projects for the BLM, GSA (an IDIQ contract), Forest Service (including an IDIQ contract), U.S. Department of Labor, USPS (including an IDIQ contract), Veterans Affairs, and military projects for a Marine Corps Base in California, NAS Fallon, Nevada (including two IDIQ contracts); Nevada Air National Guard (including an IDIQ contract) and Nevada Army National Guard.

Project Experience:

- 2 projects for **Bureau of Land Management**, including: *New Dispatch Facility*, Stead, Nevada.
- 4 projects for **General Services Administration**, including an IDIQ contract and:
 - ▶ **New Bruce R. Thompson U.S. Courthouse and Federal Building**, Reno, Nevada.
- **VA Sierra Nevada Health Care System**, Reno, Nevada: *Building #1 HVAC System Replacement*.
- 4 projects for **U.S.D.A. Forest Service**:
 - ▶ **Truckee Public Services Center**, Truckee, California: *Infrastructure*.
 - ▶ **Fallen Leaf Water System**, California: *US Forest Service Improvement Project Phase IA*.
 - ▶ **Taylor Creek Visitor Center**, (Lake Tahoe), California: *Lake of the Sky Amphitheater Rehabilitation and Site Lighting Improvements*. ☆ Won TRPA "Best in Basin" award.
 - ▶ **Zephyr Cove Resort Campground and RV Park**, Zephyr Cove, Nevada: *Rehabilitation* (part of IDIQ contract.) ☆ Won TRPA "Best in Basin" award.
- 4 projects for **U.S. Postal Service**, including: **U.S. Post Office**, Elko, Nevada: *New Carrier Annex* and an IDIQ contract.
- **Marine Corps Base, Mountain Warfare Training Center**, Pickel Meadows, Bridgeport, California: *P-797(B) Training Billeting Support Facilities*.
- 11 projects for **Naval Air Station, Fallon**, Nevada:
 - ▶ *Electrical Infrastructure Upgrades at Various Locations* (design-build).
 - ▶ *Design/Build Heating Plant Decentralization*.
 - ▶ *IDIQ Contract N44255-03-B-6063* (5 projects).
 - ▶ *IDIQ Contract N62474-91-D-0038* (4 projects).
- 4 projects for **Nevada Air National Guard**, Reno-Tahoe Intl. Airport, Reno, Nevada, including:
 - ▶ *Aerial Port Facility*.
 - ▶ *Modification of Hangar Fire Suppression System and Design of Overhead Crane*.
 - ▶ *Composite RF-4C Flight Simulator and Air Crew Training Facility* (IDIQ contract).
- **Sierra Nevada Job Corps Center**, Stead/Reno, Nevada: *HVAC Addition to Women's Dormitories Buildings #11 and #15*.
- **Nevada Army National Guard, Reno-Stead**, Nevada: *Washoe County Armory*.
- **Nevada National Guard State Area Readiness Command Complex**, Carson City, Nevada: *New Armory/Headquarters (OTAG) Building*.

Key Personnel



Years:

with Dinter Engineering: 14
with other firms: 2

Professional Registration:

Canada - C.E.T.

Degree:

Electrical Engineering Technology
- 1995

Kevin B. Melrose - Electrical Project Manager: Mr. Melrose has 6 years of electrical experience performing field investigations, design, calculations, cost estimating, as-building systems, and construction administration tasks.

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 Experience:

- Projects for **Naval Air Station, Fallon, Nevada:**
 - ▶ *IDIQ Contract N44255-03-D-6037: Building 311 - Water Pump Station System Upgrade.*
 - ▶ *IDIQ Contract N44255-03-B-6063: Replace High Voltage Transformer Banks at 15 Sites.*
 - ▶ *IDIQ Contract N62474-95-D-3405: Repair Heating System, Building.*
- **Defense Depot San Joaquin** [Sharpe Defense Depot], Tracy Site, California: *Renovate Building 286, Bays 4, 5 and 6* (design-build).
- **Nellis Air Force Base**, Las Vegas, Nevada: *Design and Repair Various 58th Para RQS Facilities in Area II* (design-build).
- **U.S. Post Office, Vassar Street, Reno, Nevada:** *Investigation for Security Upgrades* (IDIQ Contract).
- **Fallen Leaf Water System**, California: *US Forest Service Improvement Project Phase IA.*
- **Dept. of Veterans Affairs Carl T. Hayden Medical Center**, Phoenix, Arizona: *Increase Electrical Distribution* (upgrade for entire medical center.)
- **Southern California Logistics Airport** (former George Air Force Base), Victorville, California: *Airfield Electrical Systems Upgrade and Vault.*
- 4 projects for **Phoenix-Mesa Gateway Airport**, Mesa, Arizona (former Williams Air Force Base.)
- **Flying Eagle Air Park Ranches**, Washoe County, Nevada (design-build.)
- **Northern Nevada Adult Mental Health Services**, Sparks, Nevada: *Dini-Townsend Hospital - Design-Build East Wing Remodel* (design-build).
- **South Hills Christian Assembly**, Geiger Grade, Reno, Nevada: *Addition and Remodel* (design-build).
- **University of Nevada, Reno:** *Frandsen Humanities Building: Retrofit Security and Fire Alarm Systems* (design-build).
- **Arizona Department of Revenue**, Phoenix, Arizona: *Elevator Modernization.*
- **Mineral County Library**, Hawthorne, Nevada: *Addition and Remodel.*
- **Southern Nevada Adult Mental Health Services**, Las Vegas, NV: *Rawson-Neal Psychiatric Hospital.*
- **City of Sparks' Glendale/Meredith and Mary Wahl Pump Stations**, Sparks, Nevada: *Storm Drain Control Structures and Lift Station Design.*
- **City of Mesa, Arizona:** *Sossaman Road 16-inch Waterline - Pressure Reducing Valve (PRV) Station.*
- **Downtown Phoenix Public Market**, Phoenix, Arizona.