



GEORGE MUSGRAVE

EDUCATION

South Florida Community College - Computer Programming
Heil-Quaker Corporation - Business Management Course

MILITARY TECHNICAL COURSES

Machinist Mate (class "A") School - Great Lakes, Illinois
Enlisted Basic Submarine Course - Groton, Connecticut
3000PSI Hydraulic System L6520011 - Pearl Harbor, Hawaii
Oxy-Acetylene Brazing - Pearl Harbor, Hawaii
Nuclear Refrigeration and Air Conditioning - Pearl Harbor, Hawaii
NavScol AC/R Class C - San Diego, California

LICENSES

Certified State of Florida Air conditioning Contractor License# CAC036817

CAREER HISTORY

Forcon International Corp. - Brandon, Florida - Investigation of Indoor Air Quality claims including both residential and commercial buildings. Claims included moisture intrusion determination and review of HVAC&R system design, installation and maintenance for Property and Casualty Claims as well as Surety Claims.

Surety Claims analysis including review of service, repair, maintenance and/or purchase orders associated with mechanical contracts. Also involved in construction management services for project completion.

Expert Witness for mediation, arbitration and trial for Property and Casualty as well as Surety Claims.

Over 500 lightning and surge investigations involving residential and commercial HVAC&R systems. Systems ranged from ½ ton refrigeration units to 100 ton commercial chillers.

Investigations included cutting open small hermetic compressors and disassembly of larger, open type compressors.

Maintain all evidence relating to Property and Casualty claims in the state of Florida.

Hilbert, Incorporated - Seffner, Florida - Vice-President/General Manager: Estimate, design and supervise the installation of both commercial and residential HVAC systems.

Tam-Bay Mechanical Contractors - Tampa, Florida - Owner/General Manager: Estimate, design and supervise the installation, service and operation of both residential and light commercial A/C systems.

Tam-Bay Heating & Air - Tampa, Florida - Vice-President and General Manager/Service Manager: Oversee the day to day operation of the A/C Department.

Sales Representative and Design Estimator: Design and sales in both new and existing commercial and residential systems.

Refrigeration and Electric - Winter Haven, Florida - Air Conditioning Installer/Foreman: Serviceman, Installation, maintenance and design of commercial and residential HVAC systems.

Long's Air Conditioning - Avon Park, Florida - Field Supervisor: Estimate, layout and design for both residential and commercial HVAC and Refrigeration systems. Scheduling work load, assignment of work to five A/C crews and quality control in the field including the field supervision of both residential, commercial, existing and new construction systems. Ordered all material, equipment, and supplies for the A/C department. Customer relations involving personal contact with developers, engineers, contractors, government agencies, and private residents. Some estimating and bidding on residential and commercial accounts.

Installer/Foreman: Installation, maintenance, and service of commercial and residential HVAC systems.

United States Navy - Throughout naval service attended courses on both HVAC and refrigeration service, maintenance, design and installation. Fleet maintenance of air and fresh water refrigeration and air conditioning systems. Purchasing equipment and material in the public sector and requisition from naval supplies. As necessary, removal of equipment from shipboard to workshop, repair and reinstall.

**ABBREVIATED LISTING OF SURETY PROJECTS INVOLVING
SPECIAL CONSULTING SERVICES**

<u>CLIENT/ATTORNEY</u>	<u>PROJECT/TYPE CLAIM</u>	<u>SCOPE</u>
Gulf Insurance Co. C/O Viceroy Management Co.	National Hurricane Center Miami, Florida	Investigation and analysis of claims
Reliance Surety Co.	Wellcraft Marine Sarasota, Florida	Investigation and analysis of claims Possible soil contamination
Liberty Bond Services	V.A. Medical Center Seminole, Florida	Investigation and analysis of claims
St. Paul Fire & Marine Ins. Co.	Pensacola Regional Airport Pensacola, Florida	Investigation and analysis of claims and completion management
Old Republic Surety Co.	Duval County Public Schools Jacksonville, Florida	Investigation and analysis of claim
Universal Bonding Insurance Co.	VA Medical Center Waco, Texas	Investigation and analysis of claims and completion management.
SAFECO Insurance Co.	Bryan Independent School District Bryan, Texas	Investigation and analysis of claims
NAS Surety Group	Miami International Airport B-C Infill Demo C Throat Conn. Corridor Miami, Fl.	Investigation and analysis of claims. Assist in re-let of contract.
Markel Insurance	Refrigerated Construction Services Magee, Ms.	Investigate alleged design and installation deficiencies Expert witness at arbitration.
Liberty Bonding	Naval & Marine Reserve Center Roanoke, Va.	Analysis of claims as well as coordination of project completion
SAFECO Insurance	City of Shreveport Convention Center Shreveport, La	Analysis of HVAC bid costs.
North American Specialty Insurance Company	South Bay Condominium Association Miami Beach, Fl.	Analysis of claims related to installation of cooling towers
North American Specialty Insurance Company	555 Washington Office Building Miami Beach, Fl.	Analysis of claims and assist in project completion
American Contractors Indemnity	Thompson, Slagle & Hannon	Ventilation Air Proj. #B311a

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Miami International Airport	Analysis of Claim	
American Contractors Indemnity Thompson, Slagle & Hannon	New Chiller Plant Miami International Airport	Analysis of Claim Against Subcontractor
St. Paul/Travelers	D-extension MEP & SHELL 741E Miami International Airport	Analysis of Claim Against Subcontractor
St. Paul/Travelers	Connector Finish out 739H Miami International Airport	Analysis of Claim Against Subcontractor
Nova Casualty Company	VA Hospital Contract V546C-447 Miami, Fl	Analysis of Claim Against Subcontractor
St. Paul/Travelers	Hard Rock Hotel/Casino Hollywood, Fl	Analysis of Claim Against Subcontractor
Guarantee Trust of N. America	610 Clematis Project West Palm Beach, Fl	Analysis of Claim Against Subcontractor
Ohio Casualty Company	Bee Ridge Water Reclamation Faculy Sarasota, Fl	Analysis of Claim Against Subcontractor
Nova Casualty	Continental Airlines Cargo Facility Houston, Tx	Analysis of Claim Against Subcontractor
Nova Casualty	Five Ash Water Treatment Plant Pompano Beach, Fl	Analysis of Claim Against Subcontractor
INSCO/DICO Group	MIA 769A APM Maint. & Storage Facility Miami International Airport	Analysis of Claim Against Subcontractor

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ABBREVIATED LISTING OF PROPERTY & CASUALTY PROJECTS INVOLVING SPECIAL CONSULTING SERVICES

CLIENT/ATTORNEY	PROJECT/TYPE CLAIM	SCOPE
CJW & Associates	Marlin Apartments/Condo's Cocoa Beach, Fl.	Determine if HVAC system caused the fire.
Nicklaus, Hyatt, Pena P.A.	Presidential Place Boca Raton, Fl.	Investigate possible design deficiencies and IAQ claims
Nationwide Insurance	Hampton Inn Boynton Beach, Fl.	Investigate water intrusion and IAQ claim allegedly due to improper HVAC installation
Gallagher Bassett Services	Dry Raw Bar & Grill Naples, Fl.	Investigate alleged damage to commercial ice machine due to road construction
Royal Sun Alliance	Tirem LLC Pinellas Co. Fl.	Investigate alleged lightning damage to DDC system
Kosterman Multi Line Services	Residential C02 Poisoning Englewood, Fl.	Investigate and determine the cause of the C02 poisoning to occupants
CJW & Associates	Myakka River Oyster Bar Venice, Fl.	Investigate alleged lightning to oyster steamer
CJW & Associates	Holiday Inn Select Tampa, Fl.	Investigate alleged lightning to 100 ton chiller
Auto Owners Insurance	Duct Cleaning/Replacement Palm Harbor, Fl.	Investigate IAQ claim and determine if the ductwork is contaminated
Hanover Insurance	Lightning strike to ten ton chiller Tampa, Fl.	Investigate and determine cause of equipment failure
Auto Owners Insurance	Smoke / Soot Damage Crystal, Fl.	Investigate to determine the cause of the smoke / soot in the condominium
Shelby Mutual Insurance	Bio-Freezer Shut Down Lakeland, Fl.	Investigate to determine the cause of the failure

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St. Paul Fire & Marine	Dunedin Country Club Dunedin, Fl.	Investigate to determine the cause of the collapse of the commercial rangehood
Fireman's Fund	Ceiling Damage at Bowling Alley El Paso, Tx.	Investigate to determine if the HVAC system caused the water damage to the ceiling
State Farm	Residential Water Intrusion St. Petersburg, Fl.	Inspect duct system to determine if the HVAC system is the cause of the moisture intrusion and alleged mold and mildew
Law offices of Louis G. Figueroa	Salvino vs Diaz - Ft. Lauderdale, Florida	Expert Witness - slip and fall relating to air conditioning Installation/maintenance
Federated Insurance	Residential Fire Ormond Beach, Fl	Inspect HVAC system to determine if the installation of the system was the cause of the fire
Hanover Insurance	Hydronic Heating Coil Failure Winter Haven, Fl.	Determine if the installation contributed to the failure of the coil.
State Farm	Damage to Walk-in Cooler during Power Loss Plant City, Fl.	Did the power loss contribute to the cooler failure.
Ohio Casualty	Fire in School A/C Unit Marco Island, Fl.	Determine if wiring preformed during servicing of unit contributed to fire.
Travelers Insurance	Contamination Due to A/C Line Chase Tampa, Fl.	Determine if A/C chase was damaged during termite treatment allowing poison to enter residence.
Travelers Insurance	Romeo's Italian Restaurant Winter Haven, Fl.	Lightning investigation on HVAC unit and ice machine
Auto Owners Insurance	Seabreeze Restaurant Tampa, Fl.	Lightning investigation on ice machine and two freezer units.
SAFECO Insurance	Sun City Center Sun City, Fl.	Lightning investigation on 15 H.P. irrigation pump and system

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State Farm Insurance	Isle of Sand Key Sand Key, Fl.	Investigate alleged HVAC coolant water leak.
Fowler White Boggs Banker	Franklin Templeton Campus St. Petersburg, Fl.	IAQ Investigation - Equipment Design System Design and Installation - Possible Moisture Intrusion
William Kramer & Associates	New Lobster Company Hialeah, Fl	Hurricane Damage to Refrigeration Equipment
FCCI	Precision Glass & Mirror Palm Beach, Fl	IAQ - Moisture Intrusion - Residential
FCCI	Empire Plumbing Miami Beach, Fl	IAQ - Moisture Intrusion - Residential
Amerisure Ins.	Residential Inspection Naples, Fl	IAQ - Hvac System Design
Kubicki Draper	Lake Pointe Apartments Tampa, Fl	IAQ - Moisture Intrusion
State Farm Ins.	Residential Inspection Sun City Center, Fl	IAQ - System Installation/design
Federated Ins.	Commercial Warehouse St. Petersburg, Fl	Moisture Intrusion
Hanover Ins.	Residential Inspection Sarasota, Fl	IAQ - Remodel Damage to HVAC
FCCI	Mcarthur Golf Course Clubhouse Hope Sound, Fl	Moisture Intrusion