

RAUDEL M. ALVAREZ

HYDRAULIC ENGINEER

Versatile Hydraulic Engineer with 19 years of experience in residential, commercial, industrial, and infrastructure projects. Possesses a strong civil engineering background, specializing in water resources, hydraulic infrastructures, and environmental systems, along with MEP consulting expertise. Proficient in engineering software and BIM modeling to tackle challenges and optimize projects within budget and deadlines. Effective communicator and problem solver, dedicated to building strong customer partnerships and achieving project milestones.

EXPERIENCE

EBENEZER ENGINEERING CONSULTING.

- Director, Chief Engineer MEP Consultant (2024 - 2026)

ROLES UNDER OTHER ENGINEERING CONSULTING FIRMS

- Project Coordinator, MEP Consultant (2016 - 2024)
- MEP Consultant (2014 - 2015)
- Hydraulic Engineer & MEP Consultant (2012 - 2014)
- Project Manager (2009 - 2012)
- Hydraulic Engineer (2006 - 2008)

SELECTED PROJECTS

HAMILTON BANK OFFICE BUILDING, ST. KITTS AND NEVIS

Provided MEP consulting expertise for a four-story office building, each floor encompassing approximately 14,000 square feet, while coordinating the structural and MEP engineering designs.

HERITAGE BUILDING RESTORATION – METHODIST CHURCH, CHARLESTOWN, NEVIS

Engineering consulting for the restoration of a heritage building more than 100 years old, with emphasis on preserving historic value while supporting technical rehabilitation.

PARK HYATT SPA AND SWIMMING POOL COMMISSIONING, ST. KITTS

Commissioning support for spa and pool systems, including potable water line disinfection and hydrostatic pressure testing as part of hospitality infrastructure works.

CHURCH OF GOD

MEP & Structural Engineering coordination for a large-capacity auditorium project designed to serve approximately 1,300 people.

BEAUMONT PARK RESORT RESIDENTIAL COMPLEX, ST. KITTS AND NEVIS

Led the MEP & civil infrastructure design and coordination stage through completed construction documents for a 350-acre resort residential development comprising 311 lots with panoramic Atlantic Ocean views.



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EDUCATION

BACHELOR IN SCIENCE HYDRAULIC ENGINEER

JULIO ANTONIO MELLA POLITECNIC INSTITUTE
EAST UNIVERSITY - SANTIAGO DE CUBA, CUBA
2000 - 2006

CERTIFICATES IN ENVIRONMENTAL ENGINEERING

J.A ECHEVARRIA POLITECNIC INSTITUTE
HAVANA - CUBA
2011 - 2012

SKILLS

- Design team leader & Coordinator
- Project Management
- Quantity Surveyor
- Hydraulic and Sanitary Systems Design
- Plumbing and Mechanical Installations
- Water Supply, Sewerage, and Storm Drainage
- Pumping Stations and Treatment Systems
- Fire Protection Systems
- Irrigation and Drainage Networks
- Project Review and Technical Approvals
- Construction Supervision and Author Control
- Revit & AutoCAD Civil 3D, Robot Structural Analysis, AI Tools, Engineering Software

LANGUAGE

English

Spanish

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SELECTED PROJECTS

EXPANSION AND MODERNIZATION OF SEA PORTS – LA GUAIRA, VENEZUELA

Engineering consultancy during design and execution for MEP and civil infrastructure works in the expansion and modernization of La Guaira seaport, including a Post Panamax container terminal designed for vessels up to 12,000 metric tons displacement and 15 m draft.

PLANNING OF INTERNATIONAL SEA PORTS – PUERTO CABELLO, VENEZUELA

Consultancy support for the planning and conceptualization of international seaport infrastructure in Puerto Cabello, Carabobo State.

MARITIME BULK CARGO SHIP TERMINAL “GRAMMA,” CUBA

End-to-end project management for storage steel tank construction and pump station works, including an alcohol storage tank with a capacity of 2,641,721 US gallons and an industrial firefighting system for flammable liquid Class IB under NFPA 30 criteria.

MUNICIPAL WATER SUPPLY, STORM DRAIN, AND WASTEWATER SYSTEMS – LAS TUNAS, CUBA

Hydraulic engineering for municipal infrastructure serving approximately 12,000 inhabitants, covering water supply, storm drainage, and wastewater systems.

TWENTY-THREE DEEP-WELL PUMP STATIONS, CUBA

Design and installation support for 23 groundwater-based pump stations serving public water supply needs.

OTHER PROJECTS INCLUDE:

A wide range of residential, hospitality, commercial, and infrastructure developments, including luxury residences, condominiums, villas, hotel-related works, terminal facilities, mixed-use buildings, water supply systems, pump stations, surge protection works, and rural community water solutions.

INTERNATIONAL EXPERIENCE

MEP consultancy, civil infrastructure coordination, inspections, commissioning support, quantity surveying, and construction planning across projects in St. Kitts and Nevis, Cuba, and Venezuela.