

EMMANUEL GONZALEZ, PE, MSCM

(754) 703-9444 | emmanuelgonzalezusa@gmail.com

Professional Summary

Seasoned Structural Engineer, Contractor and Cost Estimator with over 20 years of experience providing consultation and oversight in the construction industry as a civil engineer with a master's degree in construction management. Extensive experience in all aspects of building design and construction, budgets and timelines, project plans, and team leadership. Continually exceeds expectations by building valuable relationships and works well with people at all levels.

Skills

- Structural Analysis and Design
- High wind design
- Application of building codes and standard
- Design and development of proprietary building components
- Budgets & Project Deadline Attainment
- Team Training & Supervision
- Scheduling & Workforce Planning
- Project Management & Estimating

Technical Skills

MS Office Suite: Word, Excel, Outlook, PowerPoint

Estimating Software: MC2, On Screen Take off, Blue Beam, Cost Works, RS Means, Auto Cad, ConEst

Engineering and Drafting: Meca-Wind, Enercalc, E-tabs, Auto Cad, Revit.

Education & Certifications

Education:

Florida International University – **Master's Degree** in Construction Management – 2005

Pontificia Universidad Católica Madre y Maestra, Dominican Republic – **Bachelor of Science** in Civil Engineering – 2002

Licences:

Florida Professional Engineer Certification – PE 83204 – 2018

Florida Certified General Contractor – CGC 1513186 – 2006

Recent Courses:

Emergency Management Institute- FEMA: "Costing- Estimates and the Cost Estimating Format", 2021

American Society of Civil Engineers: "Wind Engineering for Buildings", 2021

American Society of Civil Engineers: "Roofing Systems: A Primer for Engineers", 2021

American Society of Civil Engineers: "Engineering Investigations of Hurricane Damage: Wind versus Water", 2021

Forensic Engineering

▪ Application of engineering principles to determine cause/effect relationships of structural failures. ▪ Building and construction sciences ▪ Construction defects and accidents, plan and specifications deviations. ▪ Roofing failures and deficiencies. ▪ Building inspection and evaluation. ▪ Damage assessments, appraisal and expert witness for wind, flood, water intrusion

Clients

Duboff Law Firm- Forensic engineer for the firm – Miami, FL

- Hurricane and wind damage investigations on roof.

Stalo Engineering- Serving as the structural engineer of record for the firm – Miami, FL

- Residential and light commercial new construction design
- Understanding of building codes all over the U.S. with a focus on Florida
- Design of masonry, wood, concrete, CFS, and other manufactured building techniques
- Use of many structural software suites for multiple design considerations
- High wind and hurricane zone specialty for all types of buildings

Consultant – Arbor Electric – Fort Lauderdale, FL

- Successfully bidding, executing, and winning projects with best available data including historical data and research.
- Sorting through large drawing or specification sets to extract relevant information, highlighting scope drawings for review with the sales team, and developing accurate, thorough, and complete material takeoffs.
- Utilizing the latest computer software to quickly develop takeoffs, cost estimates, and system configuration.
- Assisting in soliciting and evaluating major material quotations prior to bid day and on bid day, coordinating the estimate with other disciplines to ensure all elements of the estimate are accounted for.
- Generating, reviewing, and coordinating final proposals with the sales team and completing estimates in a timely fashion to allow adequate review by superiors before presentation to stakeholders at key accounts.
- Taking responsibility for review of project bid accuracy and communication of construction techniques and strategies used in bid preparation on successful bids with Project Management prior to project commencement.

Work History

Synergyn – Forensic Engineering Company – Miami, FL

05/2020 to 08-2021

- Completed over 60+ inspections and reports of single family homes, following an scientific method to provide opinions and recommendations about whether the direct force of hurricane or storms event damaged roof, windows or walls of the building, including a description of the damage.
- Create a report that includes property location on a weather map.
- Evaluate weather data from a verified weather data source, the date of loss and determine if it was sufficient to affect the roof system.
- Inspect the entire roof, interior of the house and the attic by walking the roof, perform shingle or tile uplift testing, record and photograph all visual physical damage and create a diagram of the areas of the roof and interior of the property, and indicate which areas were repaired per the homeowner.

Lead Estimator and Cost Consultant – CMS Construction Corp – Deerfield Beach, FL

02/2020 to Current

- Estimating 50+ complete school projects from \$500K to \$10M while working with the Broward County School Board
- Serving the needs of progressive architecture and building construction professionals across the region with a core focus on estimating costs, materials, and schedules for school districts including all trades such as Mechanical, Electrical and Plumbing.
- Providing consulting and estimating services for custom construction, evaluating structural bid specifications and drawings, and ensuring that vendors have the knowledge of all requirements.
- Ensuring accurate quantities of materials needed and the pricing of these materials in a specific discipline and section of a project to realistically predict the cost to construct coming within 5% of final expenses.
- Re-evaluating cost estimates throughout the design phase of a project and preparing change orders to account for scope of work changes as well as participating in mark-up or pricing strategies.

Owner and Manager – Astral Construction LLC

01/2013 to 12/2020

- Achieved \$300K in sales per year for over 100 small projects annually ranging from \$2K to \$30K each while overseeing daily operations, processed orders, wrote proposals, answered calls, and drafted shop drawings.
- Hired, trained, and mentored a staff of 3 employees/craftsmen as well as provided leadership and team building while overseeing human resource policies to meet state and federal regulations including wage reporting.
- Oversaw and managed all accounting including required financial reporting duties such as reviewing P&L statements, analyzing sales reports, and adjusting sales activities or expenses to meet budgets and ensure profitability.
- Planned, organized, and controlled the completion of home improvement projects, prepared or revising job schedules with critical path milestones, provided weekly updates to clients, and led production meetings.
- Negotiated and wrote purchase orders and subcontracts, reconciled all terms with bid proposals, contracts, and specifications while reporting any specification or contract discrepancies to homeowners or project managers.
- Directed the fabrication, delivery, and installation of custom mirrors, tables, showers, and office partitions for residential projects as well as coordinated project scheduling and material delivery.

Project Manager – Sullivan Land Services, Haiti Division

01/2012 to 02/2013

- Served as Project Manager for a \$5M Project in Haiti comprised of 8 buildings including a school, medical clinic, community cluster, distribution relief warehouse, and emergency operation center plus site improvements.
- Delivered strong project management skills in the management of scope and deliverables across multiple, concurrent projects including effective interactions with customer project teams and their C-Level management.
- Planned and oversaw the construction team to meet the project budget and schedule, reviewed sub-contractor performance, and processed monthly payments as well as change orders.
- Reviewed construction documents, oversaw permitting, and ensured compliance with A/O specifications.

Consultant – RCI Engineering – Davie, FL

01/2009 to 01/2012

- Served as a consultant for developing and managing the international team of designers in Dominican Republic.
- Provided support and guidance for multiple clients to enhance productivity while developing marketing strategies to improve return on equity and cost controls while troubleshooting and resolving engineering issues.
- Developed solutions by providing new information and advice through researching, brainstorming, and analysis.
- Interfaced with clients directly to ensure deliverables fall within the applicable scope and budget while coordinating with internal departments to ensure all project criteria are achievable.

Additional Work History

Instructor for Civil Engineering Materials – Department of Civil Engineering, Universidad Tecnológica de Santiago – 2014 to 2016**Estimator for Sunshine Structures** – Commercial Concrete Shell Contractor, Lehigh Acres, FL – 2007 to 2009**Project Engineer** – Kraft Construction Corp., Naples, FL – 01/2006 to 04/2007**Estimator/Assistant Project Manager** – MJF Construction Corp., Miami, FL – 2004 to 2005**Estimator** – US Construction Corp., Miami, FL – 2003-to 2004**Project Manager** – Peralta 3 Corporation, Dominican Republic – 2002 to 2003

Memberships

American Society of Civil Engineers -ASCE

American Society of Professional Estimators -ASPE



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

GONZALEZ, EMMANUEL DEJESUS

9001 SW 49TH ST
9001 SW 49TH CT
★ COOPER CITY FL 33328 ★

LICENSE NUMBER: PE83204

EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



JIMMY PATRONIS
CHIEF FINANCIAL OFFICER

**STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION**

**** CERTIFICATE OF ELECTION TO BE EXEMPT FROM FLORIDA WORKERS' COMPENSATION LAW ****

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation law.

EFFECTIVE DATE: 2/24/2021

EXPIRATION DATE: 2/24/2023

PERSON: EMMANUEL D GONZALEZ

EMAIL: EMMANUELGONZALEZUSA@GMAIL.COM

FEIN: 680633925

BUSINESS NAME AND ADDRESS:

ASTRAL CONSTRUCTION LLC

K & K MIRROR

9001 SW 49TH ST

FORT LAUDERDALE, FL 33328

SCOPE OF BUSINESS OR TRADE:

| | | | |
|---|--|--|--|
| Door and Window Installation All Types Residential and Commercial | Carpentry Installation Of Cabinet Work or Interior Trim | Contractor-Project Manager, Construction Executive, Construction Manager or Construction Superintendent | Carpentry Dwellings Three Stories or Less |
|---|--|--|--|

IMPORTANT: Pursuant to subsection 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter. Pursuant to subsection 440.05(12), F.S., Certificates of election to be exempt issued under subsection (3) shall apply only to the corporate officer named on the notice of election to be exempt and apply only within the scope of the business or trade listed on the notice of election to be exempt. Pursuant to subsection 440.05(13), F.S., notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a certificate at any time for failure of the person named on the certificate to meet the requirements of this section.

State of Florida

Department of State

I certify from the records of this office that ASTRAL CONSTRUCTION LLC is a limited liability company organized under the laws of the State of Florida, filed on August 7, 2006.

The document number of this limited liability company is L06000077351.

I further certify that said limited liability company has paid all fees due this office through December 31, 2023, that its most recent annual report was filed on March 31, 2023, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Thirty-first day of March, 2023*




Secretary of State

Tracking Number: 2183878236CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



This certificate is presented to

Emmanuel Gonzalez

in recognition of successful completion of

CEU: 2.4

Wind Engineering For Buildings (GOCWEB221)

2021/07/19 - 2021/08/27

and for demonstrating a commitment to engineering excellence through lifelong learning.

A handwritten signature in black ink that reads "Gayle Claman". The signature is written in a cursive style with a horizontal line underneath it.

Gayle Claman, CAE

Managing Director, Continuing Education

Florida Provider Number:
0003826
Florida Course Number:

Please retain this certificate for your continuing education records.
1801 Alexander Bell Drive, Reston, VA 20191-4400 Phone: (800) 548-2723



CERTIFICATE OF ATTENDANCE



Structures Congress 2022

4/20/22 - 4/23/22

Hyatt Regency Atlanta

PRESENTED TO

Emmanuel Gonzalez

PROFESSIONAL DEVELOPMENT HOURS EARNED – 9.5

Gayle Claman

Gayle Claman, CAE
Managing Director, Continuing Education



American Society of Civil Engineers

1801 Alexander Bell Drive, Reston, VA 20191-4400
Phone: (800) 548-2723





This certificate is presented to

Emmanuel Gonzalez

in recognition of successful completion of

CEU: 0.2

Engineering Investigations of Hurricane Damage: Wind versus Water (AWI041515)

September 18, 2021

and for demonstrating a commitment to engineering excellence through lifelong learning.

A handwritten signature in black ink that reads "Gayle Claman". The signature is written in a cursive style with a horizontal line underneath it.

Gayle Claman, CAE

Managing Director, Continuing Education

Florida Provider Number:

0003826

Florida Course Number:

0000435

*Please retain this certificate for your continuing education records.
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This certificate is presented to

Emmanuel Gonzalez

in recognition of successful completion of

CEU: 0.2

Roofing Systems: A Primer for Engineers (AWI032911)

September 15, 2021

and for demonstrating a commitment to engineering excellence through lifelong learning.

A handwritten signature in black ink that reads "Gayle Claman". The signature is written in a cursive style with a horizontal line underneath it.

Gayle Claman, CAE

Managing Director, Continuing Education

Florida Provider Number:

0003826

Florida Course Number:

0000435

*Please retain this certificate for your continuing education records.
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Emergency Management Institute



FEMA

This Certificate of Achievement is to acknowledge that

EMMANUEL D GONZALEZ

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

IS-01013

Costing- Estimates and the Cost Estimating Format

A handwritten signature in black ink, appearing to read "J. Stern", with a long horizontal line extending to the right.

Issued this 16th Day of September, 2021



0.6 IACET CEU

Jeffrey D. Stern, Ph.D.
Superintendent
Emergency Management Institute
Federal Emergency Management Agency

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

EnergyGauge Pro Hands On

ON

July 31, 2022

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

Introduction to the Home Energy Rating System (HERS)

ON

May 3, 2022

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

EnergyGauge Pro Hands On

ON

July 31, 2022

Certificate of Completion

PRESENTED TO

Emmanuel Gonzalez

FOR SUCCESSFULLY COMPLETING ALL REQUIREMENTS ESTABLISHED
BY FSEC ENERGY RESEARCH CENTER AS A

FSEC Certified Residential Energy Modeler

Rob Vieira

Rob Vieira
Director, Buildings Research

August 11, 2022

Date



UCF

**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

Building Geometry for Energy Modeling

ON

February 11, 2022



UCF

**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

Building Science for Energy Modeling and Field Inspection

ON

July 30, 2022



**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

From Blueprints to Residential Energy Code Compliance

ON

July 31, 2022



**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

EnergyGauge Pro Hands On

ON

July 31, 2022



UCF

**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

Certificate of Completion

THIS ACKNOWLEDGES THAT

Emmanuel Gonzalez

HAS SUCCESSFULLY COMPLETED

Introduction to the Home Energy Rating System (HERS)

ON

May 3, 2022



UCF

**FSEC Energy
Research Center**

UNIVERSITY OF CENTRAL FLORIDA



NRCA
University

Certificate of Completion

THIS IS TO CERTIFY THAT

Emmanuel Gonzalez

SUCCESSFULLY COMPLETED

Steep-slope Decks and Underlayment

Date of completion: **September 8, 2023**

Associate Executive Director, NRCA University
National Roofing Contractors Association



NRCA
University

Certificate of Completion

THIS IS TO CERTIFY THAT

Emmanuel Gonzalez

SUCCESSFULLY COMPLETED

Design Essentials for Roof Performance: Codes

Date of completion: **August 23, 2023**

Hours completed: 1.0 hours

Associate Executive Director, NRCA University
National Roofing Contractors Association



NRCA
University

Certificate of Completion

THIS IS TO CERTIFY THAT

Emmanuel Gonzalez

SUCCESSFULLY COMPLETED

Asphalt Shingle Installation

Date of completion: **August 24, 2023**

Associate Executive Director, NRCA University
National Roofing Contractors Association



TRAINING for **ROOF APPLICATION CAREERS**

Certificate of Completion

THIS IS TO CERTIFY THAT

Emmanuel Gonzalez

SUCCESSFULLY COMPLETED

TRAC Clay and Concrete Tile Installation Package

Date of completion: August 20, 2023

Vice President, NRCA University

National Roofing Contractors Association



NRCA
University

Certificate of Completion

THIS IS TO CERTIFY THAT

Emmanuel Gonzalez

SUCCESSFULLY COMPLETED

Steep-slope Flashing Concepts

Date of completion: **September 8, 2023**

Associate Executive Director, NRCA University
National Roofing Contractors Association



This certificate is presented to

Emmanuel Gonzalez

in recognition of successful completion of

PDH: 14.0

Structural Condition Assessment of Existing Structures (8026CEN2023)

2023/09/28 - 2023/09/29

and for demonstrating a commitment to engineering excellence through lifelong learning.

A handwritten signature in black ink that reads "Gayle Claman". The signature is written in a cursive style and is positioned above a horizontal line.

Gayle Claman, CAE

Managing Director, Continuing Education

Florida Provider Number:

0003826

Florida Course Number:

447

Please retain this certificate for your continuing education records.
1801 Alexander Bell Drive, Reston, VA 20191-4400 Phone: (800) 548-2723

