



# Jonathan Hernandez

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(305) 849-8185



## EDUCATION

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### Carnegie Mellon University

Master of Science in Civil Engineering

Pittsburgh, Pennsylvania

May 2012

Bachelor of Science in Civil Engineering

Minor in Engineering Design

May 2010

## EXPERIENCE

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### DESIMONE CONSULTING ENGINEERS

PROJECT MANAGER

NEW YORK/MIAMI

February '20 – Present

- Preparation of design reports: façade solutions, material options, modulations and sizing, advantages & disadvantages, cost & schedule implications, Local code requirements.
- Writing of project specifications for all façade systems and materials.
- Presentation of submissions (drawings, specifications, reports) to Client & Architect.
- Supervision of field engineers. Reviewing field reports and providing technical guidance.
- Conducted leak investigations of roofing and façade assemblies.

#### Notable Projects:

- Miami Dade Civil Courthouse- Miami, FL. 420 ft institutional building. Glazed Curtain Wall, Window Wall, Limestone & EIFS. Architect: HOK.
- 2555 Broadway- New York, NY. 32 story residential building. Window Wall, Brick Masonry, Metal Panels, EIFS. Architect: Steven B. Jacobs Group.

### THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS

SENIOR FAÇADE CONSULTANT

DUBAI, UAE

April '17 – October '19

- Developed in-house engineering spreadsheets to accelerate the façade design: wind load calculations, single span mullions, fully captured IGUs, façade system weights & cost.
- Responsible for all department proposal writing and contract review.
- Assist CEO in solicitation of new business acquisition by attending meetings with prospective Clients and presenting company's credentials.
- Conducted Peer Review of design documents to identify construction and building performance issues. Provided Value Engineering options to optimize the design intent.
- Participated in design development meetings with Client and Architect to review and comment on selection, detailing, and coordination/integration of building envelope systems.
- Performed condition assessments to identify areas of concern on building facades. Wrote reports indicating repair and maintenance projections with associated costs.
- Investigated existing buildings to identify issues with various building enclosure: façade leaks, noise investigations, condensation investigations, and structural failures.

#### Notable Projects:

- Emaar Beachfront-Marina Vista. Dubai, UAE. 45/35 story towers, BH-NS Engineering Consultants.
- Leader Sports Mall. 500,000 S.F sports complex. Dubai, UAE. John R. Harris & Partners.

- Nirlon- Phase V. 30 & 15 story office buildings. Mumbai, India. Venkataramanan Associates.
- Electricity & Cogeneration Regulatory Authority. Riyadh, Saudi Arabia. 350,000 S.F institutional building. Gensler & KEO International Consultants.
- ADIA HQ Expansion. Abu Dhabi, UAE. KPF & KEO International Consultants.
- Expo Village. Dubai, UAE. 15 Residential Buildings (12-20 story). KEO International Consultants.

## VIDARIS PROJECT MANAGER

NEW YORK CITY  
October '14 – April '17

- Assist Client and Architect in developing the design and performance of the building façade utilizing a comprehensive level of understanding of façade system's design and construction.
- Assisted in the selection of building envelope materials, taking into account building code requirements, energy standards and architectural intent.
- Provided sketches during the Schematic & Detailed Design phases of various façade assemblies.
- Assisted the Client with Contractor Bidding, negotiation, and value engineering
- Supervised field engineers as they perform site inspections on new construction projects.

### Notable Projects:

- 135 E47th St. 50 story luxury residential building. New York, New York. SLCE Architects.
- Latitud Polanco. Two 30 story towers. Mexico City, Mexico. Edmonds International.
- Wexford Science Center. Philadelphia, PA. 13story custom Curtain Wall. ZGF Architects
- Staten Island Mall. Staten Island, New York. Perkins Eastman
- Princeton University Andlinger Center. Tod Williams Billie Tsien Architect
- 525 W52nd St. 22 & 14 story residential towers. New York, New York. Handel Architects.

## FACADE CONSULTANT

July '12 – September '14

- Reviewed shop drawings and submittals for conformance with the construction documents
- Witnessed laboratory Performance Mock-up testing of various façade systems. Advised on remedial procedure to successfully pass all of the project's façade performance criteria.
- Performed quality control inspection at fabrication shops and sites. Wrote daily site visit reports, documenting installation deficiencies/modifications from approved Construction Documents
- IAS Special Inspector of various façades. Façade inspections: unitized curtain wall, window wall, stick-built glazing, architectural precast, stone veneers, masonry cavity, EIFS, metal panels. Ensured the façade was installed in compliance with the NYC Building Code.

## THE LIRO GROUP FIELD ENGINEER

NEW YORK CITY  
June '10 – August '11

- Supervised and observed all contractors to ensure work is completed according to contract drawings and specifications of existing 30,000 sq ft. Fire Fighting Station. Scope: foundations, superstructure modifications, MEP systems, façade modifications and interior fit-out.
- Performed quality control/quality assurance inspections on all phases of construction.
- Produced change order estimates and schedule updates to keep within projected budget.
- Reviewed sub-contractor's proposal bids and payment requisitions to assist Ownership in maintaining the proposed budget.
- Enforced all safety guidelines by OSHA; conduct site safety orientations for new site personnel.
- Coordinated and managed progress meetings, shop drawings, submittals and RFIs.