



## **PHILIP W. HOPKINS, M.S., E.I. – PROJECT ENGINEER**

### **SUMMARY OF**

**QUALIFICATIONS:** Extensive experience in structural engineering research. Experienced in the operations and management of a research laboratory specializing in mechanics and structural materials. Worked on numerous publications in academia. Professional design experience with both wind and flood hazard mitigation of building envelope products.

**EDUCATION:** UNIVERSITY OF MIAMI COLLEGE OF ENGINEERING Miami, FL  
MASTERS OF SCIENCE IN ARCHITECTURAL ENGINEERING  
2009

### **PROFESSIONAL ASSOCIATIONS:**

Florida Structural Engineers Association (FSEA), American Society of Civil Engineers (ASCE), University of Miami College of Engineering Alumni Association (UM CoEAA, Assistant Committee Chair 2010-2011)

### **WORK EXPERIENCE:**

05/09 – Present DLG ENGINEERING, INC South Miami, FL  
**PROJECT ENGINEER**

Designing structural members to support storefront and curtain wall systems in HVHZ / windborne debris zones. Preparing project calculations, connection details and structural plans for structural retrofits, specialty design for new construction, and free-standing structures. Verifying storefront and other glazing products for both commercial and residential projects per structural codes and county product approvals. Providing special inspections for installed glazing and structural systems. Consulting on the creation of proprietary mullion design software.

05/07 – 12/09 ADVANCED MATERIALS RESEARCH LABORATORY Miami, FL  
UNIVERSITY OF MIAMI COLLEGE OF ENGINEERING  
**RESEARCH ASSISTANT AND LABATORY ADMINISTRATOR**

Constructed laboratory and adjacent moisture chamber. Conducted and supervised all research activities. Collaborated with Ph.D. students and faculty on various projects

### **ADDITIONAL SKILLS:**

*Engineering tools:* SAP2000, ENERCALC, AutoCAD, RISA, COMSOL, MULTIPHYSICS, ABAQUS, ROBOT STRUCTURAL ANALYSIS, ENERGYGAUGE USA, REVIT STRUCTURE / ARCHITECTURE / MEP

**PUBLICATIONS:** Hopkins P, Giancaspro J. "Algorithm for the computation of proportional limit of composite materials in bearing." Under review. Journal of Testing and Evaluation (2010).

Goolabsingh R, Hopkins P, Redondo A, Giancaspro J. "Effect of mechanical pre-treatment on Geopolymer balsawood joints." In-progress.

**REFERENCES:** Available upon request.