

Mark Hanna, H.S.T., C.B.S.T.**PRINCIPAL****EDUCATION**

Certified Building Science Thermographer (CBST) 2011
Large Building Air Barrier Testing, Retrotec 2010
Miller Fall Protection Competent Person Training
HydroMobile P Series User Training, 2010
Wilderness First Aid, ASHI, 2010
Health and Safety Technician, Evergreen Safety Council, 2006
ASHI First Aid/ CPR Instructor, 2003
Numerous construction trade and safety related seminars

EXPERTISE

Exterior Access Consulting, Roof Anchors, Powered Platforms, Rigging
Mechanical and Adhesive Anchorage Application and Load Testing
Rope Access and Fall Protection Training, Scaffolds, Material Handling at
Heights
Building Envelope Assessment, Consultation and Inspections (Forensic and
Construction Phase)
Fenestration Performance Testing and Consulting, Curtainwall, Window Wall
Air Barrier Blower Door Testing and Consulting
Engineered Sealant and Liquid Membrane Application

PROFESSIONAL SUMMARY

Mr. Hanna entered the workforce in 1987, employed through the 1990's at various window and insulated glass manufacturing facilities in the Puget Sound region. Duties included supervision of production lines, custom tooling manufacturing, and field technician.

During the period from 1999 through 2004, Mr. Hanna joined Tatley-Grund, Inc; a Seattle based building envelope remedial repair firm. As their Safety Director, Mr. Hanna had direct oversight of over 100 employees engaged in many high rise projects where safe exterior access was difficult to obtain. During the course of his employment, Mr. Hanna became interested in inspections, building materials science, and envelope component testing.

In January of 2008, Mr. Hanna joined BEE Consulting, LLC. During his 8 years at BEE, he held positions of Inspection and Testing Manager, Project Manager, and Building Science Director. He consulted as a Project Manager on a variety of new construction envelope designs, condominium assessments and conversions, historical masonry retrofits, and window failure analysis. Mr. Hanna also assisted BEE's Engineering department in forensic research for various safety and construction defect related cases. Exemplar cases include Yeakey v. Lease Crutcher Lewis (2006 tower crane failure), AFOA v. Port of Seattle (personal injury), Gallery COA v Schnitzer Development (construction defects), and the Matae Belltown HOA v Inline Fiberglass (fenestration alleged defects).

In the role of Building Science Director, he kept the company focused on emerging technologies and trends in envelope engineering. Performing R&D in BEE's in-house laboratory for various manufactured products and assemblies related to wall, roof, and fenestration assemblies assisted manufacturers. In this role he also provided Quality Control Peer Review to all BEE reports, design and drafting work.

In October 2015, Mark left BEE to start an independent consulting firm, Sway Mechanika LLC. As an expert in matters of fenestration, building materials science, envelope testing and difficult access on existing buildings, he serves a variety of customer needs. Sway Mechanika's consultancy is in the areas of fenestration and envelope design, commercial property condition assessments, rooftop anchorage systems, permanently installed access equipment, load testing/certification of related fixtures, and performing rope access based inspections of mid/high rise exterior wall and roof systems.

Mark's interest in both building envelope systems and exterior access safety is the dual focus of the new company and will provide a valuable service to building owners, managers, and fellow professionals in the industry.

Memberships:

- ASME A120 Committee (Permanently Installed Building Access and Maintenance Equipment), Interest Review Group
- ASME Associate in good standing since 2012