



RFQ FOR GENERAL ENGINEERING SERVICES: CIVIL ENGINEERING- ROOF

August 1, 2012



City of Key West
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Key West, FL 33040

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BTA
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TAB 1



OVERVIEW:

With over 50 years of experience, BTA’s team of specialists is among the most respected in the industry providing worldwide delivery of Engineering Services specifically for roofs. BTA assists our clients in understanding what roof assets they have, what is required for optimal mission and financial performance, as well as the cost to meet those requirements. BTA is experienced in providing a full scope of Roofing Services, including all condition assessments and evaluations, utilizing our patented process and proprietary RoofSuite software, followed by strategic and scientific recommendations, design, specification, quality assurance and construction management.

BTA was the first to market this type of holistic Total Roof Asset Management approach, delivering optimized roofing strategies by combining unbiased, expert condition assessment with a sophisticated, computerized database. BTA’s approach allows for a seamless transition from condition assessment and life-extension recommendations to specification development, construction management, and quality assurance of roof systems. BTA is in the business of protecting your roofing investment and our focus is to transform your roofs from unpredictable expenses (devouring cash and capital), into proactively managed assets. Using sophisticated financial modeling and roof assessment techniques, BTA will reduce roofing costs, decrease leaks, and improve the life of your roofing inventory.

The BTA team has provided Engineering Design Services for projects globally and is experienced in managing projects from the beginning design phases to construction completion. We have expertise in all types of roof systems and our recommendations have been used as the template for some of the world’s largest industrial and commercial organizations, Federal Agencies, and school districts.

LOCATIONS:

BTA has offices located in Oak Park, MI , Roseville, CA, Homewood, IL and Tampa, FL but we deploy our resources worldwide BTA accommodates to each client and ensures quick responses to the needs of all our global customers. Serving as the City of Key West’s Direct Contact will be BTA’s Regional Director, David Dowler, who will schedule and coordinate availability and immediate responses for work to be performed by BTA’s expert staff.

OFFICES:

21850 Greenfield Rd.	1003 McRae Way	2060 Ridge Road, Lower Level, #4	3001 North Rocky Point Dr. E
Oak Park, MI 48237	Roseville, CA 95678	Homewood, IL 60430	Suite 200
			Tampa, FL 33607

DIRECT CONTACT: DAVID DOWLER, REGIONAL DIRECTOR

EMAIL/PHONE: ddowler@btaww.com/ (248) 727-3987

OUR FOCUS:

Our customers are our HIGHEST priority. We pride ourselves in delivering quality services and recommendations in the very best interest of our clients. Our approach will place the City of Key West’s needs and cost savings first. We are neither a contractor nor a representative of any manufacturer. BTA is a professional organization representing the best interests of our clients and an industry leader in the **assessment, design, development, construction, performance, and maintenance of roofing and waterproofing systems**. BTA is committed to this project and the proposed team is prepared to provide the requested services. BTA fully understands and complies with the terms and conditions and the attached contract. BTA’s team is made up of experienced and educated professionals, so you can trust that your roof asset is in the right hands for any and all of your roofing needs.

We are your one source for Total Roof Management.



GENERAL ENGINEERING SERVICES
RFQ#12-005



CAPABILITIES OVERVIEW:

- a) Complete Roof Condition Evaluation & Asset Assessment utilizing BTA's proprietary RoofSuite® software (including infrared moisture surveys where required)
- b) Database Collection & Database Management of Complete Roof Assets Providing Statistical Analysis to Determine Roofing Asset Life-Cycle Analysis, along with Financial and Budgetary Modeling of both Constrained and Unconstrained Budgets
- c) Expert Evaluations & Strategic Recommendations
- d) Roof Design & Engineering Services
- e) Comprehensive and Competitive Product Specification & Project Scope of Work Details
- f) Roof Construction and Roof Maintenance Bid Specifications
- g) Roofing Project Bidding Services and Assist in the Sourcing of Qualified Roofing Sub-Contractors to Ensure a Viable, Efficient, Well Subscribed & Secure Bidding Process for Roofing Projects
- h) Construction Management Services & On-Site Safety Management Services of Roofing Sub-Contractors during Roof Maintenance and Roof Construction (new & replacement) Projects
- i) Performance Guarantee/Warranty for all Roofing Projects
- j) Roof Response/Customer Service, Repair & Maintenance Management Services and Ensure Prompt/Timely Response to Various Site Roofing Maintenance Issues.
- k) Support and Advice on Various Sustainability Issues, Energy Savings & Environmental Enhancements for all Roofing Projects
- l) All other Roofing Related Support & Management as Required as the one source for
TOTAL ROOF MANAGEMENT

BTA TOTAL ROOF MANAGEMENT

ROOF INSPECTION & ASSESSMENT

Database Collection
Database Management

ROOF DESIGN, REPAIR & CONSTRUCTION

Roof Design
•New Roof
•Replacement Roof
Roof Construction
•New Roof
•Replacement Roof

ROOF RESPONSE, REPAIR & MAINTENANCE

Roof Inspections
Roof Maintenance & PM
Roof Response & Repair

SERVICES PROVIDED

Roof Inspection
Roof Assessment
Vendor Sourcing
Solar/PV Roofing
Construction Management
Roof Inspections
Engineer and Architect Alliances
Thermal/Nuclear Imaging
HVAC & Lighting Alliances
Highly Skilled Support Team
Envelope/Pavement Alliances
Energy Savings
Expert Witness

Roof Design
Bid Management
Construction Quality Control
Environmental/Green Roof
Roof Recycling
Prime Contractor
Severe Weather Assessment (SWAT)
Roof Preventative Maintenance
Zoning and Code Compliance
Roof Database Management
Roof Security Plans & Training
Roof Safety Plans & Training
Local, US & Global Service
(24/7/365)
Emergency Response/Support
(24/7/365)

Vegetative Roofing
Snow Removal
Service Supplier
Roofing Technologies
Sustainability Programs
Financing/Bonding
Roof Housekeeping
Budget/Capital Planning
Guarantee Assurances
Performance Auditing
Roofing Specifications



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TAB 2



TOTAL ROOF MANAGEMENT PROFESSIONALS

THE BTA TEAM:

All BTA personnel involved with roof assessments, design, repair and replacements have several years of experience, and have been thoroughly trained on the differences, deficiencies, incompatibilities and general performance traits of multiple roof systems and material types, including built-up roofing, modified bitumen, single-ply, polyurethane foam, metal and shingles.

Our assessment team has evaluated over 200 million square feet of roof and our design team develops specifications for \$15-20 million in replacements annually. Our Registered Roof Consultants have over 80 years experience in the roofing industry. BTA methodology encourages best practice development through ongoing technical training and education. BTA's management, technical support, RoofSuite specialists, customer service staff, and accounting team are also an integral part of BTA's success. BTA ensures that our clients' Roofing Projects are supported by educated and experienced roofing professionals. The follow team will be utilized as-needed to provide Roof Engineering Services to the City of Key West:

Robert Beauregard, Program Manager (RRO)

Scott Hoffman, Project Engineer/ Designer (PE,RRO,CDT)

Dennis McNeil, Senior Roof Design Consultant (RRO,RRC, CCS)

Ed Labus, Construction/Safety Manager (RRO, PMP, LEED)

Greg Wys, Condition Assessment/Site Management (RRO)

Kenneth Michalak, Data Collections/CAD Technician (RRO)

Robert Chandler, Roof Field Specialist (RRO)

Bruce Murphy, Roof Field Specialist (RRO certification in process)

RECOGNITION:

BTA has received numerous awards and recognitions throughout our history including: The 2009 Defense Programs Award of Excellence, the 2009 Services Supplier of the Year Award from Honeywell FM&T, and the 2008 GSA Best Practice Achievement Award.

MEMBERSHIPS:

BTA holds the following certifications/memberships: Registered Roof Consultants (RRC), Registered Roof Observers (RRO), Certified Construction Specifiers (CCS), LEED Green Associate, Project Management Professionals (PMP), Professional Engineer (PE), Roofing Consultants Institute (RCI), National Roofing Contractors Association (NRCA), Building Futures Council (BFC), Construction Specifications Institute (CSI), Project Management Institute (PMI), and American Society for Testing and Materials (ASTM).





SCOTT HOFFMAN, PE, RRO, CDT

PROJECT ENGINEER/DESIGNER: 2011 to Present

- 16 years of experience
- Manages budget, design, bidding and construction of multi-million dollar roofing projects
- Consults with clients to recommend and deliver cost-effective repair and design strategies according to financial and operational objectives
- Manages and directs specification development, vendor performance, engineering, testing and construction activities to meet project and organizational requirements

PRIOR EMPLOYMENT: Testing Engineers & Consultants, Inc. – Roofing Services Manager (2005-2011)
Roofing Consultants, Inc. – Vice President of Operations/Partner (2003-2005)
Building Technology Associates – Program Manager (1996-2003)

EDUCATION: B.S. – Civil/Construction Engineering, Lawrence Technological University, Southfield, MI

AFFILIATIONS: Roof Consultants Institute (RCI), Engineering Society of Detroit

CERTIFICATIONS AND TRAINING: Registered Roof Observer (#0175, 1997), Licensed Professional Engineer (STATE OF FLORIDA PE#74853) Licensed Builder, Construction Document Technologist (CSI)

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Department of Energy, Roof Asset Management Program, Multiple sites across US

ROLE: Project Engineer - Conducted evaluations, design, construction administration, and inspection of several projects for the Department of Energy.

TITLE & LOCATION: Berkley School District Roofing Program- Berkley, MI

ROLE: Head Engineer on all roof replacement projects, provided both design and construction management for 11 schools

TITLE & LOCATION: Chippewa Valley School District- Clinton Township, MI

ROLE: Project Engineer—Provided design and engineering services and recommendations for all roof replacements and repairs on 12 schools

TITLE & LOCATION: Detroit Public Schools Roof Program, Detroit, MI

ROLE: Project Manager and Engineer for the district's roof program.





DENNIS J. McNEIL, RRC, RRO, CCS

SENIOR ROOF DESIGN CONSULTANT, CHICAGO BRANCH OFFICE: 1968 to Present

- **48 years of experience**
- Specification designer and writer
- Roof repair, maintenance and replacement investigations
- Extensive experience in fixed price construction and requirements contracts, and in contract modification negotiation
- Oversee project investigations, surveys and analyses and develops reports
- Conducts roofing and waterproofing evaluation surveys, & analysis
- Conducts pre-construction conferences, construction quality control audits
- Reviews and develops project design drawings & specifications
- Consultant to A/E firms or new construction projects roof design

EDUCATION: B.A. UNIVERSITY OF DETROIT, Detroit, Michigan

AFFILIATIONS: The Construction Specifications Institute, 1968-present, Roof Consultants Institute, 1992-present, Chicago-Area Chapter, Roof Consultants Institute, 2003-present

CERTIFICATIONS & TRAINING: Registered Roof Consultant (#0110, 1993), Registered Roof Observer (#0124, 1996), Certified Construction Specifier (CSI)

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Chicago Public Schools, -Chicago, IL

ROLE: Performed multiple projects for the district, including condition assessment evaluation, design, specification and documentation services

TITLE & LOCATION: Ford Louisville Plant - Louisville, KY

ROLE: Performed design services on 1 million SF of roofing as Senior Design Consultant on the project

TITLE & LOCATION: Department of Energy – NNSA (2sites): Lawrence Livermore National Labs - Livermore, CA; Los Alamos National Labs - Los

ROLE: Performed design services at Lawrence Livermore National Labs on 70,780 sf of roofing \$13,000; Performed design services at Los Alamos National Labs on 152,612 sf of roofing as the Senior Design Consultant

TITLE & LOCATION: Harrah's Hotel – Metropolis, IL

ROLE: Performed assessment and design services at Harrah's Hotel on 20,000 sf of roofing





ROBERT G. BEAUREGARD, RRO

PROJECT MANAGER: 2000 to Present

- **15 years of experience**
- Oversees the planning and execution of all assessment efforts for BTA including activities such as aerial photogrammetry for use in CAD drawing production, as-built data collection, defect data collection and quality control
- Responsible for training, coordinating, and reviewing the work product of data collection teams
- Coordinates the efforts of design firms, construction firms & site management firms
- Interacts with team leaders, plant managers, and BTA/Client management to ensure that roof surveys are completed accurately, safely, and on schedule

PRIOR EMPLOYMENT: McNamee Industrial Services – Mechanical Engineer (1997-2000)

EDUCATION: B.S. *Mechanical Engineering*: Virginia Tech, Blacksburg, Virginia

AFFILIATIONS: Member of Roof Consultants Institute

CERTIFICATIONS & TRAINING: Registered Roof Observer (#0935, 2008, TSCA Title II AHERA Asbestos Inspector (June 2005) No. R050283-8293, OSHA Fall Hazard Training, National Safety Council First Aid Course

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Bay Arenac Independent School District

ROLE: Project Manager for three building roof assessment and currently managing upcoming Infra-red moisture survey

TITLE & LOCATION: Chicago Public Schools, Chicago, IL

ROLE: Provided roof services on several projects for approximately 30 buildings for CPS including condition assessments at several locations and Infra-red moisture surveys

TITLE & LOCATION: Hillsborough County Schools, Tampa, FL

ROLE: Project Manager for district-wide roof inspections on 24.7 million SF of roofing at 237 schools, managed county-wide roofing database, provided condition assessment reports and recommendations for repair and replacement

TITLE & LOCATION: Detroit Public Schools, Detroit, MI

ROLE: Project Manager for condition assessment and database management for 53 buildings in the district and provided financial analysis and budgeting plan





EDWARD J. LABUS, RRO, PMP, LEED

CONSTRUCTION/SAFETY MANAGER: 2000 to Present

- **35 years of experience**
- Works with designer to provide bid documents, bidding the work to the contractors for the owner
- Project manages the work for quality assurance, environmental compliance, and safety within the budget
- Works with roofing manufacturers to ensure quality and enforce warranties
- Manages appropriations between \$5 and \$15 million annually
- Coordinates environmental assessments of the work areas and with the operational departments in the affected areas

KEY PROJECT EXPERIENCE:

- Project Manager and field supervisor for Ford Motor Company Assembly & Stamping facilities in U.S. & Mexico, administering the Roof Asset Management Program

PRIOR EMPLOYMENT: TKS Systems, Inc. – VP Operations (1999-2002)

JA Jones Environmental Services – Sr. Project Engineer (1996-1999)

EDUCATION: B.S. Business Management, State University of New York, Buffalo, New York
1992-1993 Courses leading to MBA, Brigham Young University

AFFILIATIONS: Roof Consultants Institute (RCI), Project Management Institute (PMI), United States Green Building Council (USGBC)

CERTIFICATIONS & TRAINING: Registered Roof Observer (#04911, 2004), 60+ hours of roof related training from RCI and roof industry manufacturers, Project Management Professional (PMP), 50+ hours of project management training

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Department of Energy RAMP, Multiple sites across US

ROLE: Managed and administered the design and construction of roof replacements and repairs, to include contract preparation, on-site coordination, quality control, cost control, and all aspects of construction management.

TITLE & LOCATION: Ford Motor Company Roofing Program (Various US and Canada locations)

(Buffalo, NY; Chicago, IL; Cleveland, OH; Kansas City, MO; Louisville, KY; Lima, OH; Minneapolis, MN; Woodhaven, MI; Windsor, Canada; Oakville, Canada)

PROJECT SCOPE & ROLE: Provided project management for 33 buildings- Coordinated environmental assessments of the work areas, coordinating with the operational departments in the affected areas, working with Designer to provide bid documents, bid-ding the work to the contractors for the owner, project manage the work for quality assurance, environmental compliance, and safety within the available budget. Work with roofing manufacturers to insure quality and enforce warranties.





GREGORY WYS, RRO

ROOF ASSESSMENT TEAM LEADER/SITE MANAGER: 2006 to Present

- 6 years of experience
- Responsible for performing roof assessments and inspection– gathering as-built data and defect observations, creating/modifying CAD roof schematics
- Plans and coordinates field activities
- Ensures all appropriate site-specific safety and security measures are understood and followed
- Responsible for creating and editing AutoCAD drawings for roof assessment, design and specification projects
- Performs tracking and management of design drawings and changes to the database

MILITARY EXPERIENCE: 1989-1998: United States Army Reserves Ft. Rucker, AL
Selfridge ANGB. MI
Certificate of Merit 7/93 United States Army Reserve
Honorable Discharge 3/98

PRIOR EMPLOYMENT: Corliss Masonry Restoration (2001-2006)
Blue Water Machining (2000-2001)
Master Automatic (1995-2000)

EDUCATION: Associate of Applied Science - Computer Drafting and Design, Canton, Michigan,ITT-TECHNICAL INSTITUTE

CERTIFICATIONS & TRAINING: Registered Roof Observer (#0994, 2008), 30-hour OSHA Construction Safety & Health Training, 9/00-1/01: Trained as QS-9000 auditor

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Department of Energy- NNSA, Pantex – Amarillo, TX

ROLE: Roofing Construction, Replacement and Repair Construction Inspector, Supervised on-site construction and ensured contactors' compliance with contract documents, completed quality and safety reports

TITLE & LOCATION: Hillsborough County Schools, Tampa, FL

ROLE: Assisted Program manager in the roof inspection of 237 schools totaling 24.7 million square feet, collected data and developed reports.

TITLE & LOCATION: Bay Arenac Independent Schools, Bay City, MI

ROLE: Assisted in the inspection of the school districts buildings, generated reports and supervised all database management.

TITLE & LOCATION: Memphis City Schools, Memphis, TN

ROLE: Performed assessments on school and administrative building roofs and developed a defect summary report and 5-year budgeting plan for repair and replacement





KENNETH MICHALAK, RRO

DATA COLLECTION/CADD TECHNICIAN: 2010 to Present

- **3 years of experience**
- Responsible for performing roof assessments – gathering as-built data and defect observations
- Creates/modifies CAD roof schematics and populates RoofSuite
- Responsible for creating and editing AutoCAD drawings for roof assessment, design and specification projects
- Performs tracking and management of design drawings and changes to the database

KEY PROJECT EXPERIENCE:

- Performed assessments on .3 million SF of roofing on 26 Buildings, collected data, developed CAD drawings and reports for the Department of Energy
- Collected data, updated online database and developed CADD drawings for district-wide roof assessment project for Hillsborough County Schools

PRIOR EMPLOYMENT: Desierto Verde – CADD Technician (2007-2009)
EarthCalc – Project Manager (2005-2006)

CERTIFICATIONS & TRAINING: Computer Aided Design, Civil Drafting, AutoCAD, CATIA V5, Agtek Earthwork Systems, Registered Roof Observer (RRO)

RECENT RELEVANT PROJECT EXAMPLES:

TITLE & LOCATION: Department of Energy- Roof Asset Management Program

PROJECT SCOPE & ROLE: Performed inspections and provided CAD services for multiple sites for the DOE projects including Performed assessments on .3 million SF of roofing on 26 Buildings for the NNSA Savannah River site.

TITLE & LOCATION: Hillsborough County School District - Tampa, FL

ROLE: Assisted Program Manager and team lead in the Performed assessments on 24.7 million SF of roofing at 237 schools, developed CAD drawings and provided database management for the district wide assessments

TITLE & LOCATION: Bay Arenac Independent Schools, Bay City, MI

ROLE: CAD Technician for the school districts roof assessments and inspections contract.





ROBERT CHANDLER, RRO

ROOF FIELD SPECIALIST/ ROOF ASSESSOR: 2012 to Present

- **27 years of experience**
- Responsible for collecting current as-built data
- Provides roof inspections and assessments
- Records and reports defects and deficiencies
- Ensures all site-specific safety and security measures are followed
- Plans and coordinates field activities
- Provides recommendations for roof maintenance and roof life-extension

EDUCATION, TRAINING & CERTIFICATION:

- 2001 Building Products University (BPU) Basic Roofing Technology
- 2000 Roof Consultants Institute (RCI) Rooftop Quality Assurance Course (Presenter)
- 1993 Roof Consultant Institute (RCI) Beginning and Advanced Consulting Seminars
- 1992 Roof Consultants Institute (RCI) – Registered Roof Observer (RRO) in Built Up, Modified Bitumen, Single Ply Roofing Systems, Wood and Asphalt Shingles, Slate and Tile Roofing.
- 1990 Roofing Industry Educational Institute (RIEI) Roof Inspection, Diagnosis and Repair
- 1988 Roofing Industry Educational Institute (RIEI) Basic Roofing Technology
- 1987 Better Understanding Roofing Systems Institute (BURSI) Roofing Technology
- 1977-1978 El Camino College Architectural Drafting (three semesters)
- OSHA Safety Training

BRUCE MURPHY

ROOF FIELD SPECIALIST/ ROOF ASSESSOR: 2012 to Present

- **45 years of roofing experience**
- Responsible for collecting current as-built data
- Provides roof inspections and assessments
- Records and reports defects and deficiencies
- Ensures all site-specific safety and security measures are followed
- Plans and coordinates field activities
- Provides recommendations for roof maintenance and roof life-extension
- Knowledge and experience working with several types of roof systems

KEY PROJECT EXPERIENCE:

- Provided Roof assessment and Quality Assurance Management for several roof areas for Tallacris
- Provided roof inspection and site management for the re-roofing of two WalMart Stores

PRIOR EMPLOYMENT: Facility Consulting Group, Field Quality Manager (Oct. 2007- Dec 2011)
SKANSKA USA Building Inc, Field Quality Manager (Feb 2000- Oct 2007)
CEI Roofing & Sheet Metal, Superintendent (Feb 1998- Jan 2000)
Lance Roof Inspections Services, Inc, Inspector (Feb 1996-1998)

EDUCATION: Glynn Academy, High School Diploma, Brunswick, GA



CLIENT: **Chicago Public Schools**

LOCATION: Chicago, IL

POINT OF CONTACT NAME/TITLE: Michael Zanco, CPS Assessment Manager

PHONE/EMAIL: 312-960-8145, mzanco@cannondesign.com

COST: Approx. \$240,000

SUMMARY OF PROJECT: BTA has provided roof management services on approximately 30 different projects for the Chicago Public School System. The services we have provided to their Facility and Planning teams include project design & engineering, roof inspections, infra-red moisture survey, nuclear moisture survey, detailed lifecycle roof assessments, warranty commissioning, specification review, construction management and inspection. BTA collected as-built data, assessed each roof, recorded defects and developed a budgeting and repair plan for the schools and is currently designing the re-roofing of four schools.

SPECIFIC PROJECT EXAMPLES:

Theodore Roosevelt High School

BTA was retained by CPS to provide Design & Specification Review along with Pre-Out to Bid Services for this 114,000 SF re-roofing project. This project is ongoing and currently in the design phase. Upon Contractor award, BTA will act as CPS's daily on-site Roof Project Manager including progress reporting, punch-list, warranty reporting and construction audits.

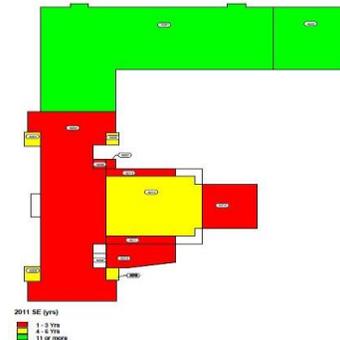


Herzl Elementary School

BTA completed an Inspection and detailed Roof Assessment to generate current conditions, defect summary, moisture content and project budgets. BTA was retained as part of the Architect's team to complete full Roof Design and Specifications. The design was an energy efficient multi-ply, white cool roof with long term efficiency and initial cost as key factors for this project. BTA then acted as the Construction Observer on behalf of the owner. 4) BTA did project close-out, warranty audits and final performance reports.

Burbank Elementary School

BTA provided a full assessment and non-destructive moisture survey for the elementary school as well as a report that included plotted defects and the remaining service life.



Size of Building: 51,329 SF

CLIENT: Bay Arenac Independent School District

LOCATION: Bay City, MI

POINT OF CONTACT NAME/TITLE: Gary Soggs, Facilities Operations Supervisor

PHONE/EMAIL: 989-667-3270, soggs@baisd.net

COST: \$13,900 annually

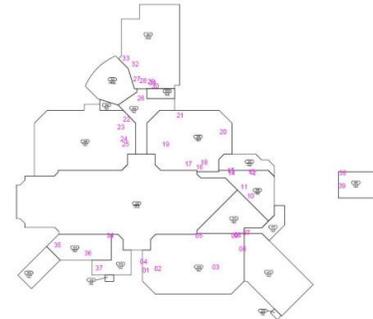
SUMMARY OF PROJECT: BTA has performed roof audits, assessment and reports for three buildings for Bay Arenac Independent School District which included a life-expectancy of the roof, a budgeting plan, and recommendations for repairs and potential replacement. Currently, BTA is working with the school district on upcoming design for replacement projects. BTA has recently been awarded a three-year contract with to provide annual roof consulting services for all of the assessment, design and construction management for the school system.



Career Center & Boiler House:

One of three buildings that BTA assessed, created CAD drawings and plotted defects.

Size of Building: 127,543 SF



CLIENT/PROJECT: Hillsborough County Public Schools

LOCATION: Tampa, FL

DATE: September 5, 2005- Current

POINT OF CONTACT NAME/TITLE: Clay Ward, Facilities Manager

PHONE/EMAIL: 813-635-1133, clay.ward@sdhc.k12.fl.us

COST: \$270,000

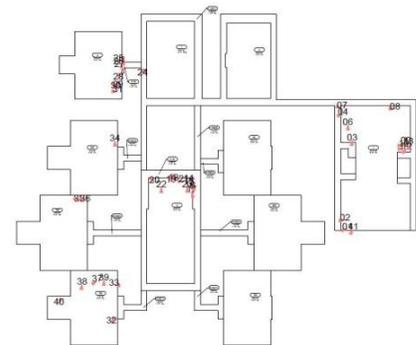
SUMMARY OF PROJECT: BTA initially performed roof assessments and created a database to assist Hillsborough County Public Schools (HCPS) in the management of more than 200 schools, including 21 million square feet of roofing. Roof asset data was then analyzed by BTA to identify the best opportunities to extend the life of HCPS roof inventory while containing costs. Because HCPS maintained the database created for them by BTA, annual inspections of the roof inventory were unnecessary until 2010. BTA currently supports HCPS in all its planning and budgeting functions regarding roofing and recently extended the contract to 2013.



Alafia Elementary School:

One of over 200 buildings that BTA assessed and developed reports including photos and drawings identifying defects, and budgeting plans

Size of Building: 106,206 SF





RELEVANT EXPERIENCE

CLIENT: **Will County Health Department, Building Roof Assessment**

LOCATION: Joliet, IL

DATE: 2012

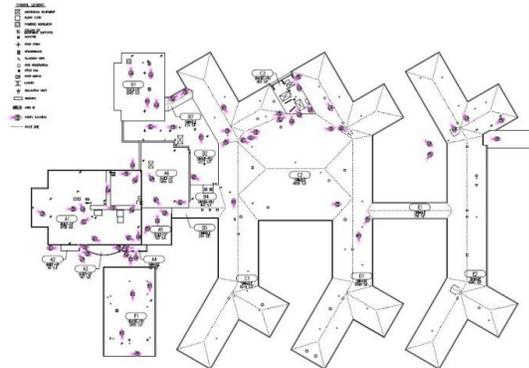
POINT OF CONTACT NAME/TITLE: John Cicero, Executive Director

PHONE/EMAIL: 815-750-8982, jcicero@willcountyhealth.org

COST: \$14,000.00

SUMMARY OF PROJECT: BTA performed an on-site inspection of each building roof area in order to document the existing components of construction, and the obvious conditions (both atypical as well as common) affecting the roof system serviceability and the availability of treatment options. BTA provided replacement and repair cost estimates, serviceability estimates (the amount of financial life remaining for each given roof, adjusted serviceability estimates (the revised remaining financial life assuming optimal repairs have occurred), optimal repairs (the combination of reconstructive and temporary repairs that produces the highest return on investment in terms of capital deferment), minimum repairs (a list of all the defects that are allowing water to enter the roofing system and a cost and specification to repair these defects at least temporarily and a recommended scope of work. Currently in the design phase following award of recommendations.

Will County Health Department and Community Health Center



CLIENT: **Honeywell Federal Manufacturing & Technology (NNSA - DOE)**

LOCATION: Various locations across the U.S. (including Sandia, CA, Albuquerque, NM, Oak Ridge, TN, & Amarillo, TX)

POINT OF CONTACT NAME/TITLE: Jim Schubert, Program Manager

PHONE/EMAIL: 816-997-5307, jschubert@kcp.com

SUMMARY OF PROJECT: The Roof Asset Management Program (RAMP) is a Department of Energy Complex-wide program to manage roof inventory at multiple sites under one contract. Partners in this program include the Kansas City Plant, Idaho National Laboratory, Sandia National Laboratory, Pantex, Y-12, Los Alamos National Laboratory, Lawrence Livermore National Laboratory, and Nevada National Security Site. Services provided include inspection, assessment, planning, cost analysis, design, coordination and management of roof maintenance and construction site management and observation.

Idaho National Labs:

One of several sites included in the Department of Energy's Roof Asset Management (RAMP) program in which BTA performed roof assessments and inspections, design and construction management.

274 Buildings: 1.2 Million SF



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RELEVANT EXPERIENCE

ADDITIONAL PROJECT EXAMPLES:

CLIENT: **Lexington Center**

LOCATION: Lexington, KY

DATE: February 2012 - Completed

SUMMARY OF PROJECT: BTA provided evaluation and condition assessment services to determine course of action to decrease leaks and extend the life of the roof for the Center. Life-extension recommendations were provided along with a budgeting plan for future repair and replacement action.



CLIENT: **City of Sarasota**

LOCATION: Sarasota, FL

SUMMARY OF PROJECT: BTA was awarded a contract with the City to provide as-needed Roof Services, included on-call response, repair, replacement and consulting Services.

CLIENT: **Ford Motor Company**

LOCATION: 33 sites across U.S. & Canada

DATE: January 1, 1970 - Current

SUMMARY OF PROJECT: BTA has assessed and managed facilities components with Ford Motor Company since 1970. BTA has performed full facility assessments and provided information for budgeting and planning purposes over the past few decades. Currently, BTA manages all the roof assessment, design and construction activity at all of Ford Motor Company's manufacturing facilities in North America.

CLIENT: **Pinellas County**

LOCATION: Pinellas County Florida

DATE: Awarded March 13, 2012

SUMMARY OF PROJECT: Roof Consulting Services contract to provide (as needed services for roof projects - currently scheduling roof assessment, evaluation, and analysis for the Pinellas County Community Center and County Jail to provide recommendations and follow up with design, specification and construction management of repair and replacement projects.



CLIENT: **Nathan Leader Property Group**

LOCATION: Auburn Hills, MI/Detroit, MI

DATE: Awarded February 2012 - Completed

SUMMARY OF PROJECT: BTA provided Roof Survey Services which included architectural data review, on-site inspection and development of investigation findings for 10 separate condominium complexes at Patrick Henry Condos and 2 buildings at Kirkwood Apartments. BTA provided condition reports, life-cycle analysis and recommendations.



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RELEVANT EXPERIENCE

CLIENT: **Hillsborough County**
LOCATION: **Hillsborough County, Florida**
DATE: Awarded April 4, 2012



SUMMARY OF PROJECT: Roof Inspection & Assessment Services contract to provide analysis and evaluation of 1.5 Million SF of roof systems on various commercial and industrial County buildings

CLIENT: **General Motors Corporation**
LOCATION: multiple sites across the US, Canada & Mexico
DATE: January 5, 1992 - Current



SUMMARY OF PROJECT: Roof Asset Management services have been provided for General Motors since 1992. Our most recent assessment contract covered the 3-year period from January 2007 through December 2009. The services provided included a re-survey of approximately 150 million square feet of General Motors roofing at 72 facilities. Also included is the ongoing management of the roofing database and associated services of planning, budgeting, construction support and associated database updates.

PROJECT NAME: **Memphis City Schools**
LOCATION: Memphis, TN
DATE: January 2010 - May 2010



SUMMARY OF PROJECT: BTA assessed school and administrative building roofs for Memphis City Schools on approximately 220,000 SF. A defect summary report was created with drawings of each roof area. BTA provided a five year budget plan for replacement, repair and maintenance for each building and included recommendations.

PROJECT NAME: **Pinellas County Schools**
LOCATION: Largo, FL
START DATE: March 2010 - May 2010



SUMMARY OF PROJECT: BTA collected data on two Pinellas County buildings and presented a roof assessment and management plan which included CAD drawings and budgeting reports.





PERFORMANCE AWARDS & RECOGNITION

2008 GSA Best Practice Achievement Award from NNSA

PROJECT: National Nuclear Security Administration (NNSA) Roof Asset Management Program

SITES: Kansas City Plant (Kansas City, MO), Pantex (Pantex Plant, Carson, TX), Y-12 (Y-12 National Security Complex, Oak Ridge, TN), Los Alamos National Laboratory (Los Alamos, NM), Lawrence Livermore National Laboratory (Livermore, CA), Nevada Test Site (Las Vegas, NV)

BTA's ROLE: Manage/execute roof design, repairs, replacement and site management on all six sites for NNSA

KEY ACCOMPLISHMENTS:

- *Added \$19.3 million in value to our roofing portfolio through life extending repairs.*
- *Saved \$7 million in construction costs*
- *Increased average remaining life of roof inventory by 25 percent*
- *Replaced 1.9 million square feet of roof with more energy efficient sustainable roofs*
- *Eliminated \$46 million in deferred maintenance from the 2003 congressional baseline.*
- *Realized energy cost savings exceeding 50 percent.*
- *Achieved exceptional safety record*

Recognition - NNSA Roof Project Completed Two Years Early and 80 Percent under Budget

PROJECT: National Nuclear Security Administration (NNSA) Roof Asset Management Program

SITES: Nevada Test Site

BTA's ROLE: Manage/execute roof design, repairs, replacement and site management

KEY ACCOMPLISHMENTS:

- *Savings of \$7.8 million for U.S. taxpayers*
- *Completed 2 years ahead of scheduled completion*

2009 Supplier of the Year Awards from Honeywell FM&T

PROJECT: NNSA/DOERoof Asset Management Program

BTA's ROLE: Manage/execute roof design, repairs, replacement and site management on multiple sites for the DOE

KEY ACCOMPLISHMENTS:

- *2009 included energy cost savings of over \$500,000 through replacing roofs with more energy efficient, sustainable roofs*
- *Successful completion of 17 projects valued at \$16 million*
- *Record 29 percent savings in cost per square foot (based on a record low average of \$16.31 per square foot versus \$23.12 per square foot in 2008)*
- *Several examples of outstanding emergency responsiveness to storm and wind damage.*

2009 Defense Programs Award of Excellence

PROJECT: National Nuclear Security Administration (NNSA) Roof Asset Management Program

BTA's ROLE: Manage/execute roof design, repairs, replacement and site management on multiple sites for the DOE

KEY ACCOMPLISHMENTS:

- *Executed 15 roofing projects totaling \$16.02 million at a record average*
- *Added \$1.8 million in value to NSE's roof portfolio through life extending repairs*
- *Realized life energy cost savings of \$539,758*





TAB 4

Our Patented Process & Total Roof Management Services

Following a project award, BTA will begin scheduling and coordinate with the City of Key West to begin phases of the project and develop a timeline that satisfies the requirements. BTA is experienced in providing roof services for multiple clients, large and small, at multiple locations. For example, BTA teams have continued to provide a full Roof Asset Management Program for the Department of Energy at various locations across the U.S. while servicing Bay Arenac School District on their three building roof assessment and providing Chicago Public Schools with roof design services on several schools.

It is with BTA's process, organized structure, and knowledgeable management that we ensure on-time and on-budget projects. All of BTA's staff has been thoroughly trained in our standard set of patented procedures. BTA has never failed to complete a project, or defaulted on a contract. Our work record and customer support history is exemplary, and we would be pleased to provide project/contract performance records or other supporting documentation upon request.

ASSESSMENT:

BTA will deploy a two-man team (Designer & Roof Inspector) to conduct an assessment and investigation of the roof areas to determine the current condition and the necessary course of action. BTA Roof Inspectors will gather roof data to populate our RoofSuite® database. The process includes an objective, standardized set of procedures and methodologies designed to be efficient, thorough, and precise. It eliminates subjective opinions and ensures repeatable results. This unique survey technique provides for an unbiased analysis of roof requirements and opportunities from a financial perspective.

The process begins with obtaining historical data such as roof installation dates, leak and repair activity, information about the installing contractor and the roof materials manufacturer. Further as-built information is gathered in the field on the roof itself, including slope, drainage methods, type and lengths of flashing material, square footage, etc.

CAD drawings are updated in the field to assure that they show all penetrations and equipment for each roof section. Roof inspectors then measure, and identify by code, objective defect observations. These defect observation codes represent descriptions of visible and measurable conditions. Quality Control audits are frequently performed by the Field Coordinator to ensure standardized, repeatable results. CAD drawings are then updated to include any modifications to dimensions or penetrations based on the field survey and to plot the identified defect observation codes. These codes are read from the CAD drawing by RoofSuite® and applied to the as-built data for processing.

FINANCIAL PLANNING & ANALYSIS:

Once the roof inspection and data collection phase is complete and the database is populated with roof data, RoofSuite® processes the data and develops a lowest life cycle cost strategy for managing the roof. CAD drawings are a key ingredient to the powerful reporting mechanism of the RoofSuite® system, which allows for a dynamic graphic interface. Roof contractors or maintenance workers can easily locate defects that are selected for repairs, since they were plotted in their exact location by the BTA Roof Inspectors. RoofSuite® will also color-code the roof areas based on expected life, age, or any number of categories.

Based on the combination of materials and methods used to construct the roof, RoofSuite® projects the expected life cycle of each roof area in the database. The observed defects are then compared with the age of the roof, the roof system type, and the risk of failure to calculate a Serviceability Estimate (SE), which is the remaining useful life of the roof asset in its present condition. In determining the optimum treatment for the roof, RoofSuite® considers the cost to make the various available repairs and compares them on a lifecycle cost basis, against the cost of a replacement roof.

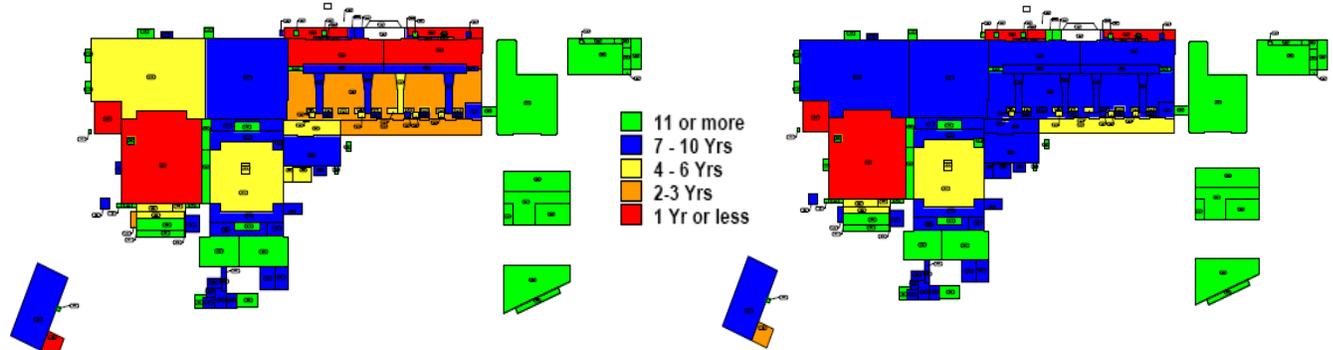


Sometimes the best financial decision is to replace the roof, but the first goal of the RoofSuite® analysis is to find opportunities to extend the roof life cost effectively. The Adjusted Serviceability Estimate (ASE) is the projected remaining life assuming the life extending “optimum repairs,” have been executed by the client.

The advanced graphic reporting capability of the system displays these values in various illustrative formats such as pie charts and color-coded roof plans. The color schemes are fully customizable. RoofSuite® can easily attribute virtually any color to user-determined values such as SE, ASE, Age, Roof Type, Repair/Replace decisions, etc.

Remaining life “as-is” (Before Optimum Repairs)

Remaining life after Optimum Repairs have occurred

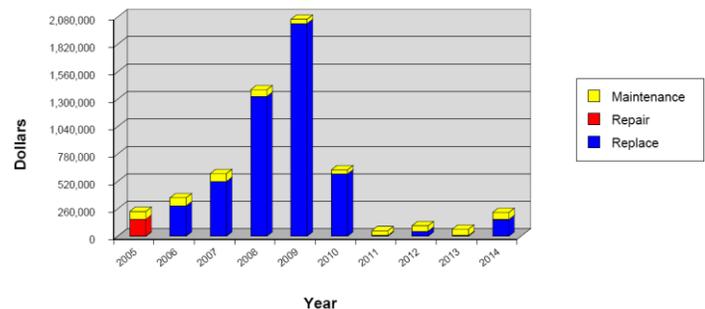


RoofSuite® produces color-coded projections of remaining life

Once all the optimized repairs are calculated, a roll-up of the entire portfolio reveals the “unconstrained” funding requirements (including replacement of those roofs where opportunities to cost effectively extend roof life did not exist) for the current year. In many cases our clients find themselves unable to fully fund this requirement. This is where RoofSuite® becomes especially valuable. Budget constraints are very common and RoofSuite® can automatically determine the most appropriate and financially attractive use of limited funds by producing a constrained budget. Constraints can also be in the form of limiting by percentage the amount of capital (replacement) dollars that are available as well as expense (repairs, maintenance, etc.).

Using the unrivaled “what-if” capability of the RoofSuite® system, many scenarios and strategies can be modeled to determine the future impact of decisions made today.

Multi-year budgets are produced to show the requirements for repairs, maintenance and replacements for the next 5, 10, 15, 20 years or beyond. “Waves of expiring assets” can become evident and actions can be taken proactively to guard against large budget strains.



RoofSuite® produces multi-year budgets

ONLINE ACCESS:

All data is maintained in the RoofSuite® database, which is web-accessible and will provide password protected access to the City of Key West’s roof data, reports, photographs and drawings. While the software is proprietary, access to the system capabilities are available without limitation in the future. If requested, all data can be provided in Microsoft Excel or PDF format and all drawing in AutoCAD format as a safeguard for future use of transfer.





ANNUAL SERVICE PROGRAMS:

BTA provides ongoing program services, including:

- Updates to the database following inspections
- Preparation of preventive maintenance schedules and work orders
- Accreditation and management of contractors to provide maintenance services

Once the Initial Assessment has been performed on the respective facilities, BTA will perform an Annual Inspection to identify the current condition of each roof area and perform routine housekeeping items such as clearing rooftop drains and removing debris from the roof. Information gathered is used to update the RoofSuite® database and prepare a recommended work plan for annual scheduled maintenance visits. These Annual Inspections, if performed consistently, will eliminate the need for updated and more costly Assessments, and provides our clients with ongoing roof data which adds significant value to the objectives of Roof Life Extension and Minimizing Life Cycle Costs. Plus it ensures a qualified annual asset review by an experienced roofing professional.

DESIGN & CONTRACT DOCUMENT PREPARATION:

BTA has extensive experience and offers considerable savings opportunities for the various design and management activities. Utilizing the integrated Total Roof Management System, BTA reduces design time and effort and automates many of the design and management functions. The BTA team has designed and managed several roofing projects. We have expertise in all types of roof systems and our design specifications have been used as the template for some of the world's largest industrial and commercial organizations, municipalities and many Federal Agencies.

Our focus is on providing the right roof, at the right time for the lowest achievable price. The BTA Total Roof Management process allows for the development of the specifications, prequalification of roofing contractors, and project establishment in an automated fashion.

Utilizing the integrated Total Roof Management System, BTA uses the following roof design approach:

- BTA prepares a budget identifying optimal repairs and replacements using its RoofSuite software.
- Scope setting meetings are held with each site to determine if the selected areas meet the requirements for replacement or if any restrictions prevent including specific areas in the scope of work.
- The field design effort incorporates a review of each roof area to capture roof details, replacement system options, restrictions, special requirements and environmental, safety and health issues that may exist. A core cut is taken to verify the as-built conditions.
- A pre-design meeting is held with the site to approve the recommended replacement system and identify any additional obstacles or restrictions.
- Professional Engineers and Registered Roof Consultants prepare the contract documents consistent with BTA's performance requirements under its PERCEPT Program. This program includes strict material requirements, manufacturers review of specifications, use of approved reroofing contractors and full-time site management during construction.
- Site specific general conditions are incorporated into the design which is reviewed by the site at predetermined intervals before final design is completed.
- All designs incorporate a minimum design life of 20-years using approved systems consistent with the intended use and design of the facility.





BIDDING & AWARD:

BTA uses its computerized system to manage, pre-qualify, solicit and analyze construction bids. We prepare recommendations for award of construction contracts, monitor project progress, and verify payment to contractors.

BTA pre-qualifies a network of accredited Roofing Contractors using pre-qualification criteria to fit our quality standards and requirements. This automated web-based process produces a pre-approved bidder list to assure the highest quality contractors selected for the highly competitive bid process. Once bids have been submitted, BTA assists with the bid analysis and provides professional recommendations based on cost, quality, schedule and other parameters established by our clients.

Documented Bidding Process

- BTA prepares estimates for reroofing based on the RoofSuite analysis and historical roofing costs associated with each site. Independent costs estimates are provided by the site to validate the information.
- A minimum of three (3) viable contractors are selected to bid each project based on their experience, proximity and previous performance to assure a competitive bid environment.
- Comprehensive bid documents allow bidders to “sharpen their pencils” and eliminate the grey areas that often escalate bid pricing to cover “unknowns”.
- Bid packages are evaluated based on contractor pricing which includes all anticipated costs and defined unit costs for potential additional items such as deck replacement. The contractors ability to meet the schedule and crew requirements are also considered, as well as, past performance. This information is reviewed with the Buyer prior to award.
- Upon receiving an approved work order from the Buyer a contract is awarded to the successful bidder.

CONSTRUCTION MANAGEMENT:

BTA manages roof construction contractors to assure safe practices, maintain quality standards, perform all work within project budgets, and complete projects on schedule.

BTA meets these standards by providing the following services to the roof construction process:

- Resolves variances from contract as they occur
- Briefs roofing contractor on quality control and quality assurance procedures
- Ensures that all personnel comply with roofing contractor's Jobsite Safety and Health Program, Fall Hazard Control Program, and plant's Jobsite Safety and Health Program Enforces OSHA standards on the roof
- Selects locations for, and directs roofing contractor regarding roof test samples to be removed by roofing contractor. These roof samples are tested to ensure compliance to the specifications.
- Providing final review of roofing contractor's submittals
- Providing technical and administrative support to a pre-qualified site quality manager
- Assisting in the resolution of contract variances
- Conducting on-site audits

MAINTENANCE, REPAIR & LEAK RESPONSE MANAGEMENT

To eliminate the burden of facility leak response, roof maintenance and repair management, BTA establishes a network of contractors who are pre-approved and provide competitive bids.

BTA provides the coordination of the maintenance and repair efforts and prepares centralized invoicing for all the contractors. Leak occurrences can be reported to BTA's national call center (via toll free number or email), where BTA dispatches the facilities approved maintenance contractor based on pre-determined response rates and response times.





QUALITY CONTROL OVERVIEW:

BTA has considerable experience performing roof services at diverse, complex, and challenging facilities and locations. We are well-versed in coordinating projects in high-security/high-traffic locations, and are knowledgeable in dealing with property owners, site management, and local/regional/federal government agencies to ensure a safe and professional working environment.

The following procedures are used in order to assure work quality.

1. For the initial assessment phase, BTA deploys 2-man teams to allow for the validation of each other's observations on the roof. The teams prepare drawings that are reviewed by each member prior to proceeding to the next roof area. Roof Assessment team leaders are responsible for quality control checks on 10% of the roof areas that are assessed and follow behind the teams to perform this task.
 - a. Our quality control employees are typically the team leaders that are assigned to the project. The team leaders experience includes performing assessments on over 30 million square feet of roof. In addition the team leaders have obtained certification as a Registered Roof Observer (RRO) as certified by the Roof Consultants Institute.
 - b. Our Roof Assessment Manager is also responsible for the quality of the process and makes periodic site visits to ensure the integrity of the data and resulting output. Our Roof Assessment Manager has 7 years of experience in the assessment of roofs. He has assessed over 100 million square feet of roof and is also certified as a Registered Roof Observer.
2. CAD work that is completed in the home office is reviewed by the BTA CAD Manager to validate the accuracy of the completed product. Our automated process runs a validation check on the processed drawings to capture anomalies like incorrect codes, open linework and labeling errors.
 - a. All of our assessment team members are technically trained in AutoCAD and perform the CAD services included in our process. Our CAD process allows for the cross-check of assessment drawings so that team members are evaluating each other's field work.
 - b. Our Roof Assessment Manager is also responsible for the quality of the CAD drawings that are used for processing or generated as a deliverable to the client. His qualifications are listed above.
3. The services provided for quality control of field activities for roof repair and replacement, include both internal and sub-contracted personnel. As such, we have developed a stringent scope of work for the services that assure all phases of the construction process are performed with efficiency and that all specification requirements are provided in a quality manner. Below are selected items from the lengthy scope of work that identify the quality components of the field quality control efforts.
4. In addition to the specific items listed above, our staff members are trained using proven methodologies and an internal training guide. These training documents are used for both internal and sub-contracted personnel. The training guides identify all the procedures for performing assessments including the photos and descriptions of the various deficiencies that are to be identified.
5. For each Program that we manage, monthly meetings are mandatory that include all team members from the client's site staff as well as key members of the BTA team. Project status, current issues and potential obstacles are addressed to keep all team members informed and on track.
6. For larger projects, daily phone conferences are scheduled with the client's management team to identify schedule status and address any issues that arise. Weekly conferences are held to review a "Weekly Status Report" which provides detailed information on each project including cost, schedule and required action items. The schedule review ensures that deliverables can be met in a proficient manner and that proper personnel are assigned to meet the weekly task requirements.

****BTA has a full Quality Contract/Management Plan as well as a Corporate Safety Program available for City of Key West upon request.***





BTA collects data and provides assessments, populating our proprietary RoofSuite Software. This Program provides serviceability-life, life-cycle cost analysis, engineering statistical analysis, budgeting for short and long term costs, reveals all hidden costs, and provides statistical data which allows our clients to make strategic roofing decisions.

ROOFSUITE® CAPABILITIES:

- Contains billions of square feet of data collected over decades by roofing professionals
- Provides Identification of deficiencies or combinations of deficiencies that shall result in repair versus replacement comparisons for each facility.
- Provides current and life-cycle planning, repair and replacement costs and compares alternatives
- Develops cost estimates to correct roofing site-specific deficiencies
- Sets priorities & optimizes spending to reflect the most cost-effective investment strategies Develops service -life estimates of remaining useful life for all roof areas.
- Generates multi-year repair vs. replacement scenarios with all costs, in one-year increments, up to twenty years that are capable of evaluating both unlimited spending limited spending strategies
- Generates R-Value calculations, identifying the change in R-Value associated with the existing system and the newly replaced system. Using utility cost data provided by the sites, calculates the annual and 20-year savings realized through the increases in R-Value.
- Ensures the quality, consistency, and timeliness of the inspection data for easy transfer into the summary database, files & reports.
- Includes backup, recovery and archiving of all data collection entries.
- Provides standard reports to assist in roof asset management decisions.
- Updates the condition of the roof upon completion of construction activity (both replacements and repairs).
- Provides password protected online access through www.BTAworldwide.com



BTA is committed to green technologies working to continually provide innovative sustainable solutions. Our energy-efficient approach ensures our clients are positioned for today's ever-growing energy landscape needs. BTA is continually investing in process and technology improvements. Our clients rely on BTA to comprehend the latest energy efficiency guidelines and standards, including recommendations and action plans in regard to PV, solar lighting, cool roofing, and vegetative roofing led by our LEED Green Associate.

BTA will surely exceed the expectations for the requested services with these Key attributes:

- **Over 50 years of experience**
- **Certified and Experienced Staff**
- **Scientific, objective and Patented Process**
- **Proprietary, web-accessible RoofSuite Software**
- **Pre-qualified Network of Nationwide Roofers**
- **High-Standard Safety Program and Quality Control Plan**
- **24/7 on-call response services**
- **Our loyalty to you and your roofs**





TAB 5

State of Florida

Department of State

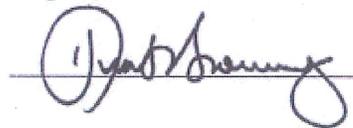
I certify from the records of this office that BUILDING TECHNOLOGY ASSOCIATES, INC. is a corporation organized under the laws of Michigan, authorized to transact business in the State of Florida, qualified on April 1, 2002.

The document number of this corporation is F02000001640.

I further certify that said corporation has paid all fees due this office through December 31, 2007, that its most recent annual report was filed on January 4, 2007, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the Great Seal of
Florida, at Tallahassee, the Capital, this the Third
day of August, 2007*



Secretary of State



Authentication ID: 600107272816-080307-F02000001640

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

www.sunbiz.org/auth.html



CERTIFICATE OF LIABILITY INSURANCE

OP ID: DH

DATE (MM/DD/YYYY)

03/08/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cambridge Underwriters Ltd. P.O. Box 511077 Livonia, MI 48151-7077 Daniel P. Hale	734-525-0927	CONTACT NAME: Cambridge Property & Casualty
	734-525-0612	PHONE (A/C, No, Ext): 734-525-0927
		FAX (A/C, No): 734-525-2429
E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: BUILD-2		
		INSURER(S) AFFORDING COVERAGE
INSURED Building Technology Associates Attn: Jon Schreiber 21850 Greenfield Rd. Oak Park, MI 48237	INSURER A : Citizens Insurance Company	
	INSURER B : Star Insurance Co.	
	INSURER C : Lloyd's Underwriters at London	
	INSURER D :	
	INSURER E :	
	INSURER F :	
		NAIC #

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			PWB 9476818 TEMP	03/01/12	03/01/13	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 5,000
							PERSONAL & ADV INJURY \$ 1,000,000
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
							Emp Ben. \$ 1,000,000
A	AUTOMOBILE LIABILITY			AWB 9476818 00	03/01/12	03/01/13	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS						\$
A	<input checked="" type="checkbox"/> NON-OWNED AUTOS			\$			
A	<input checked="" type="checkbox"/> Phys damage			AWB 9476818 00	03/01/12	03/01/13	\$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			UMB 9476818 TEMP	03/01/12	03/01/13	EACH OCCURRENCE \$ 5,000,000
	EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$ 5,000,000
	DEDUCTIBLE						\$
	<input checked="" type="checkbox"/> RETENTION \$ 10,000						\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			15415-00 TEMP	03/01/12	03/01/13	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		N/A				E.L. EACH ACCIDENT \$ 500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 500,000
							E.L. DISEASE - POLICY LIMIT \$ 500,000
C	Professional Liab			ANE1200566.11	03/07/12	03/01/13	Limit \$1M/\$1M Deductibl 25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Info Only

CERTIFICATE HOLDER

CANCELLATION

To Whom It May Concern For Information Only	TOWHITM	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
		AUTHORIZED REPRESENTATIVE

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**SWORN STATEMENT UNDER SECTION 287.133(3)(a)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ 12-005 for
General Engineering Services

2. This sworn statement is submitted by Building Technology Associates, Inc
(Name of entity submitting sworn statement)
whose business address is 3001 North Rocky Point Dr. E, Suite 200, Tampa, FL 33607
and (if applicable) its Federal
Employer Identification Number (FEIN) is 38-2677061 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Jonathan Schreiber and my relationship to
(Please print name of individual signing)
the entity named above is Owner/Treasurer

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime; or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(Signature)

07/31/2012

(Date)

STATE OF MICHIGAN

COUNTY OF OAKLAND

Jonathan Schreiber
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Jonathan Schreiber who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 31st day of July, 2012.

My commission expires: 9/23/13
NOTARY PUBLIC

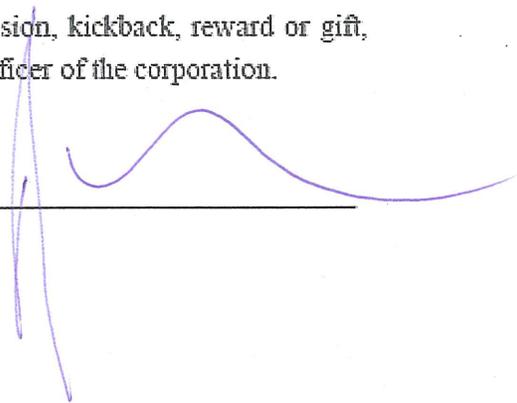
Diane C. Smith

DIANE C. SMITH
Notary Public - State of Michigan
County of Oakland
My Commission Expires Sept. 23, 2013
Acting in Oakland City, MI

ANTI-KICKBACK AFFIDAVIT

STATE OF MICHIGAN)
): SS
COUNTY OF OAKLAND)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: _____


Sworn and subscribed before me this

31st day of July, 2012.


NOTARY PUBLIC, State of ~~Florida~~ Michigan at Large

My Commission Expires: 9/23/13

DIANE C. SMITH
Notary Public - State of Michigan
County of Oakland
My Commission Expires Sept. 23, 2013
Acting In Oakland, Mich, MI