

# Capabilities Statement

## Cultural

[www.vertical-access.com](http://www.vertical-access.com)



**We Go to Extremes**

Helping Architects & Engineers Deliver Superior Documents



## BUSINESS + CONTACT INFO

### NAICS CODES

238190	Other Structure, and Building Exterior Contractors
541310	Architectural Services
541330	Engineering Services
541350	Building Inspection Services
541690	Other Technical Consulting Services

### PSC CODES

C213	A/E Inspect - Non Construct
H399	Inspect Svcs
H999	Misc Test and Inspect Svcs
R425	Engineering and Technical Services
R499	Other Professional Services
Z1	Maint-Alt-Rep, Buildings

### BUSINESS CLASSIFICATION

Small Business - incorporated in 1998 in New York

TIN / EIN 16-1569768

DUNS 077311459

CAGE code 332D9

### KEY CONTACT

Kent Diebolt, Founding Partner  
607-257-4049 office | 607-227-3366 mobile  
kent@vertical-access.com

### MAIN MAILING ADDRESS

PO Box 4135, Ithaca, NY 14852

### PHYSICAL OFFICE LOCATIONS

369 Asbury Road, Freeville, NY 13068  
32 Old Slip, 10th Floor, New York, NY 10005  
1053 31st St NW, 2nd Floor, Washington, DC 20006  
196 Whitfield St, Guilford, CT 06437  
234 E. 100 S., C2, Salt Lake City, UT 84111

## SPECIALIZED SERVICES

### PROFESSIONAL SERVICES

- Existing conditions documentation
- Industrial rope access - SPRAT certified
- Difficult access consulting
- Monitoring instrumentation installation
- Live-feed video

### NONDESTRUCTIVE TESTING SERVICES

- Infrared thermography
- Ultrasonics
- Borescope investigations
- Rebar location
- In situ materials sampling and characterization

## REFERENCES

### Steven Warsavage

Associate Director of Construction  
American Museum of Natural History  
Central Park West at 79th Street  
New York, NY 10024  
(212) 769-5552  
[swarsavage@amnh.org](mailto:swarsavage@amnh.org)

### Tom Scally

Building Manager  
The Metropolitan Museum of Art  
1000 Fifth Avenue  
New York, NY 10028  
[Tom.Scally@metmuseum.org](mailto:Tom.Scally@metmuseum.org)



## VERTICAL ACCESS LLC - FIRM OVERVIEW

Vertical Access LLC is a qualified small business that performs specialized inspection services on buildings, monuments, sculptures and civil structures. We are contracted by architects and engineers nationwide for our expertise in construction technologies, materials science, structural engineering, historic preservation, architectural conservation, and fall protection systems evaluation.

- Buildings: academic, commercial, healthcare, industrial, institutional, religious, residential
- Civil Structures: bridges, dams, infrastructure
- Towers, smokestacks, monuments and sculptures

We use direct-to-digital software, TPAS® (Tablet PC Annotation System) for inspections. This system was developed specifically for the building industry and allows our technicians to input graphical and numerical conditions data and photos directly into AutoCAD drawings.



## CORE COMPETENCIES

### ■ Industrial rope access systems used for:

- Existing conditions surveys
- Facade ordinance inspections
- Due diligence and prepurchase real estate inspections
- Access consulting

### ■ Certified

All rope technicians third-party certified by SPRAT, the Society of Professional Rope Technicians

### ■ Nondestructive testing and monitoring services

- Infrared thermography
- Ultrasonics
- Optical device investigations
- Wall tie and rebar location
- In situ materials sampling and characterization
- Monitoring instrumentation installation

### ■ Government agency regulations and protocols

- Experienced with working on federal and state agency projects
- Staff holds current security clearance with Department of Homeland Security

### ■ Site specific safety plans

- Hazard analysis
- Fall protection systems
- Emergency rescue plans for VA personnel

### ■ Direct-to-digital documentation

- Vertical Access has developed a system of collecting survey data while working at-height called TPAS® (Tablet PC Annotation System) <http://www.tpasllc.com>
- AutoCAD drawings are annotated with conditions data in the field using tablet computers

### ■ Deliverables

- Assessment report with images and narratives
- Annotated AutoCAD drawings (print and digital)
- Spreadsheets of extracted data with quantities
- Photographs of conditional anomalies keyed to drawings
- Video documentation (high definition video from hand-held or helmet mounted camera)
- Cost estimates and recommendations
- Project website to view and share annotated drawings, photographs and quantities





## RELEVANT PROFESSIONAL AFFILIATIONS

Society of Professional  
Rope Access Technicians  
SPRAT

Structural Engineers  
Association of New York

International Concrete  
Restoration Institute

ANSI - Z359 Fall  
Protection  
Committee Members

American Society of  
Civil Engineers

American Society of  
Safety Engineers

National Council of  
Structural Engineers  
Associations

Association of State Dam  
Safety Officers

Construction History  
Society of America

The Masonry Society

New York Landmarks  
Conservancy

Society for Industrial  
Archeology

## PROJECT PROFILES

### Metropolitan Museum of Art Sackler Gallery New York, NY

Client: Metropolitan Museum of Art

#### Scope of Work

- Designed and installed netting mock-up below sky light immediately following request by building owner.
- Completed netting installation covering 20,000 square feet within two weeks of initial call.



### American Museum of Natural History Rose Center for Earth and Space New York, NY

Client: American Museum of Natural History

#### Scope of Work

- Used industrial rope access to perform hands-on investigation and documentation of existing conditions of ceiling panels.
- Documented conditions of four model celestial bodies which are hung from the Rose Center's ceiling.



### John G. Shedd Aquarium Chicago, IL

Client: Klein & Hoffman, Inc

#### Scope of Work

- Close visual examination and hammersounding of masonry at exterior faces.
- Documentation of fault conditions to assist project team with development of repair specifications.
- Provided training and guiding of project client to perform hands-on inspection of representative areas of facades.



## PROJECT PROFILES

### New York Botanical Garden Brooklyn, NY

Project Team: Silman; Jan Hird Pokorny  
Associates, E.W. Howell Company

#### Scope of Work

- Collaborated with project team to research and analyze access options, choosing a combination of industrial rope access and aerial lift.
- Used electronic calipers and an ultrasonic thickness gauge to provide measurements of section loss due to corrosion at areas unreachable by client.
- Opened probes in wood fascia to document hidden connection details.
- Provided live-feed, high definition video and real-time audio communication with project team on the ground enabling them to see the conditions up-close.



### Philadelphia Museum of Art Philadelphia, PA

Client: Vitetta

#### Scope of Work

- Provided temporary fall protection to access a series of massive tile roofs.
- Developed scaled and dimensioned partial roof plans for each gutter and measured gutter slope using a laser level.
- Created a series of detailed sections and isometric drawings to document existing gutter, valley and flashing configurations.
- Employed a fiber-optic diagnostic tool (the SeeSnake®) to investigate internal copper leaders and cast iron drains.



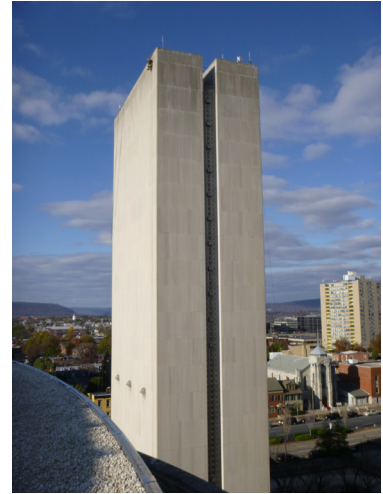
## PROJECT PROFILES

### State Museum of Pennsylvania and State Archives, Harrisburg, PA

Project Team: Pennsylvania Historical and Museum Commission, Conservation Solutions, Inc., Reynolds Construction Management

#### Scope of Work

- Completed comprehensive close visual examination of end wall with minimal impact on building occupants and public.
- Compared findings from current survey to previous survey data using digital documentation.

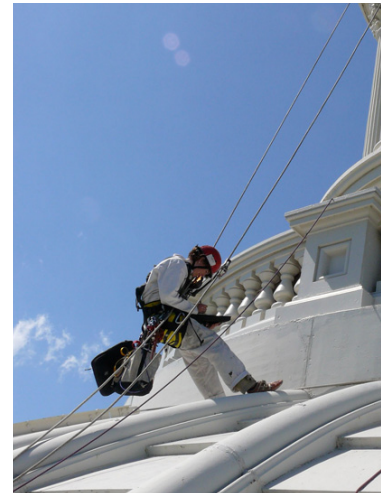


### United States Capitol Dome Washington, DC

Client: Office of the Architect of the Capitol

#### Scope of Work

- Hands-on inspection of all projecting ornament at the exterior of the dome from the top of the lantern to the peristyle column capitals.
- Documentation of existing conditions of cast iron ornament.
- Temporary stabilization and waterproofing measures at selected areas of ornament.



### Old Post Office Washington, DC

Project Team: General Services Administration, The Trump Organization, Silman

#### Scope of Work

- Surveyed and documented existing conditions at exterior of main building and tower.
- Provided live-feed video to project team during inspection
- Mitigated a 150 square-inch hazardous granite spall on the tower exterior and installed a temporary waterproofing repair.

