

# TECHNICAL ASSURANCE, INC.

# SERVICES OVERVIEW

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## Building System Asset Management

Technical Assurance's ON-PNT® allows facility owners the ability to manage building system inventory, condition assessments and ongoing building system data within one central location. This technology provides for robust GIS mapping and automated reporting metrics for simple data consumption.



## Roof Consulting

We are your partner for total roof management. With a team of highly trained roofing specialists, we deliver comprehensive solutions for the assessment, design and implementation of roofing projects of any scope and size. Our programmatic approach to roof management ensures that your roofing investment is optimized to extend the service life of the roof system and to reduce the total cost of ownership.



## Façade Consulting

We offer vertical façade management services including masonry and concrete exterior walls, curtain walls, balconies, exterior insulation finishes, fenestrations (doors, windows and skylights) and structural consulting to diagnose the cause of structural distress. We design repairs and restorative solutions that protect the structural integrity and aesthetic design of the building enclosure.



## Parking Garage Consulting

Technical Assurance provides comprehensive consulting services for both the restoration of existing parking areas and the construction of new structures. Our deep understand of the requirements for keeping your parking areas highly maintained and safe will help you operate with a low cost of ownership and extend the life of these necessary and valuable assets.



## Exterior Hardscapes Consulting

Your exterior hardscapes serve as a first impression and welcome visitors to your facility. Regular maintenance of these areas will increase perceived value of your facility and improve safety. Technical Assurance provides functional design consulting, durability recommendations and due diligence studies, as well as including your exterior hardscapes into your building system asset management program.



## Building Enclosure Commissioning

The Technical Assurance full-service Building Enclosure Commissioning Group specializes in providing data-driven, quality improvement suggestions to new construction building design and performs functional testing during construction. Building enclosures directly affect the longevity and energy efficiency of a building. With a systematic approach to quality assurance, our Commissioning process improves the performance, safety and efficiency of a building and ensures that a project meets specific quality requirements outlined by the Owner.

# TECHNICAL ASSURANCE, INC.

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Technical Assurance, Inc. is a Cleveland-based, nationally-recognized building consulting firm founded in 1993. Technical Assurance, Inc.'s current staff of professionals manages building enclosure consulting and design for assignments of any size or scope. We are frequently asked to provide expert testimony and legal counsel consulting following forensic investigation. To-date, we have successfully delivered program solutions across 45 different states.



Our practice includes a considerable focus on solving a variety of building system deficiencies. Areas of expertise include roofs, façades, fenestrations (doors, windows and skylights), below-grade structures, parking areas and multi-level parking structures. In addition, a number of Technical Assurance clients engage the company to comprehensively manage their physical assets programmatically. These kinds of assignments generally include predictive and preventative maintenance, capital budget integration and even client staff training. We also have a full-service Commissioning Group to improve new construction building design and perform functional testing of the system during construction. Our Commissioning Group also provides Building Retro-Commissioning to improve existing building enclosure performance and energy loss.



Technical Assurance's success is due to our ability to lead the planning, design and implementation process for projects of any type, with a history of delivering projects on time and within budget. Our staff is committed to design excellence and client service with a team approach. Each program is approached individually, without preconceptions, and designed to serve the needs of the particular client – always with the goal of achieving excellence in delivery.



The professionals at Technical Assurance, Inc. have substantial critical facility industry experience. We have an extensive staff of consultants, engineers, field technicians, project and construction managers, database managers, GIS consultants, technical staff and office support. We maintain in-house capabilities to provide asset management and produce design drawings and project specs with complete cost estimating and budget preparation. Additionally, we continue to serve our clients with bidding services and construction administration during the entire course of the task, project or program. Our services are sought primarily by those clients who value their building assets as “critical” in running their daily operations.

# 5 STEPS TO SUSTAINABILITY

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Technical Assurance's unique 5 Steps to Sustainability process ensures thorough, superior results in program assessment, planning, design and management. Our process-driven approach allows our team to systematically lead all phases of building envelope programs – providing a framework for collaboration and creative solutions.



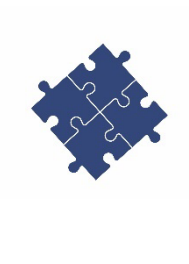
## Discover

Development of Owners Facilities Requirement (OFR), inspect, test, explore, excavate, evaluate and observe existing facilities and parking structures to develop an accurate condition assessment. This step frequently involves forensic investigation for facilities problems.



## Plan

Prepare and develop repair programs and capital plans along with work schedule priorities based on discovery phase findings.



## Solve

Meet with the Owner's Team and develop design (construction documents, plans and specifications) solutions for all building and parking conditions requiring repair, restoration and/or remediation.



## Manage

Manage and administer the construction process to ensure cost control, energy savings, quality assurance requirements and compliance with construction documents.



## Sustain

Implement and monitor preventive maintenance programs based on long-range component life-cycle forecast to reduce total cost of ownership.

# GEOGRAPHICAL COVERAGE

Technical Assurance has the capacity to provide national building enclosure consulting services. Our project-related field teams span across the United States, and we are continuously recruiting top talent in different markets in order to efficiently staff client program needs. We have successfully delivered roofing and building envelope projects across all 50 U.S. states and in Canada.

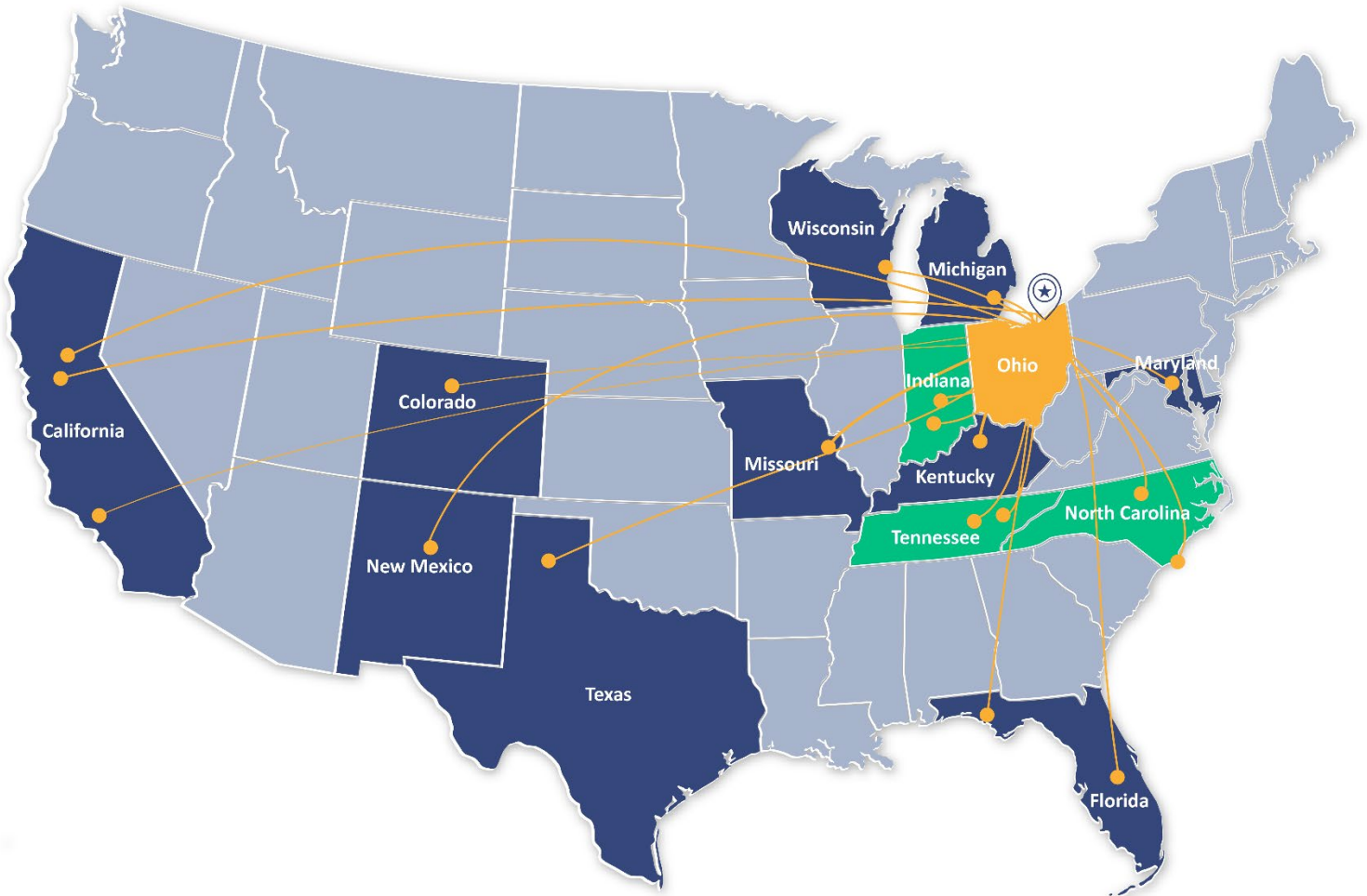
## Office Locations

**Headquarters Office:** 38112 Second Street, Willoughby, OH 44094

**Raleigh, NC Office:** 301 Kilmayne Drive, Suite 204, Cary, NC 27511

**Knoxville, TN Office:** 10426 Jackson Oaks Way, Suite 103, Knoxville, TN 37922

**Indianapolis, IN Office:** 160 West Carmel Drive, Suite 244, Carmel, IN 46032



**We Run to Trouble of the service is on us.** At Technical Assurance, we pride ourselves on having complete transparency with our clients, and open and honest communication. These guiding principles have set the foundation for us to address our client needs on a national level.

# ROOFTOP FALL PROTECTION HAZARD ASSESSMENTS

Falls from heights and working surfaces are among the leading causes of serious work-related injuries and deaths. One of an employer's first priorities is to protect its people from possible fall hazards. Fall protection safeguards employees and company assets from preventable accidents.

As part of our roof consulting services, the Technical Assurance team can perform routine rooftop fall protection hazard assessments to help keep your facilities OSHA compliant and maintain safe rooftop working environments. Our two-pronged approach includes both roof condition and fall protection hazard assessments in order to provide a comprehensive understanding of the entire roof systems for clients—from both life and safety and serviceability standpoints.

## The Role of Fall Hazard Assessments

1. Identify fall hazards
  - Access
  - Perimeter Edges
  - Equipment Access
  - Openings
  - Navigation
2. Inventory existing fall protection system and equipment
3. Assign risk values to hazards and prioritize accordingly
4. Propose solutions

These assessments are not intended to serve as a certification or recertification of fall protection components or equipment. This assessment is solely intended to meet annual evaluation requirements.

## Our Approach

At Technical Assurance, we believe that the condition and serviceability of your roof and fall protection system(s) go hand in hand.

Our two-pronged approach includes assessing both systems in order to create a comprehensive understanding of how to address maintenance, remediation and/or replacement of the roof comprehensively.

## Benefits of Our Approach

- Time and Cost Efficiencies
- Roofing Best Practices Considered

## COMPLIANCE & STANDARDS

**OSHA 1910.28 (b)(1)(i)** requires employers to provide fall protection for employees performing work at heights of 4 feet or more.

**ANSI 359** fall protection and fall restraint standards address fall protection equipment and systems for an array of fall hazards.

**IWCA1-14.1** outlines a set of standards to protect workers in the window cleaning industry. The standard requires a certain amount of certifiable roof anchorage systems.



# PROJECT EXPERIENCE

# CH-UH CITY SCHOOL DISTRICT

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**Client:** CH-UH City School District

**Assignment:** Façade Restoration

**Size:** 990 windows, 4 schools

Technical Assurance, Inc. was chosen by the Cleveland Heights-University Heights City School District as the prime consultant for this major window replacement program, most of which had complex masonry details surrounding the windows.

The scope of the work included inspection and detailed study of multiple school buildings followed by development of a comprehensive building façade and window replacement restoration program.

Technical Assurance conducted the Discovery Phase of our 5-step program to assess the current conditions. During this phase, we uncovered numerous hidden masonry defects which had to be addressed prior to window replacements. In the meantime, our design staff took great care to match the original school windows by carefully reviewing historical photographs and developing window replacement systems. We then prepared construction documents and provided Project Management and Quality Observation Services during construction restoring the aforementioned schools to their former grandeur.

In all, a combined total of 525 windows at the University Heights High School and Monticello Middle School were replaced during the Phase I Project, in addition to substantial masonry repairs to the buildings. Furthermore, another round of 465 windows was replaced at the Roxboro Middle and Elementary and Noble and Oxford Elementary Schools. At the end of the project, the total cost was 13.5% under budget, with only 1.3% in additional change orders when compared to the original contracts.



# FREMONT LOCAL SCHOOL DISTRICT

**Client:** Fremont LSD / OFCC

**Assignment:** New Elementary and High Schools; BECx Services

**Size:** 425,600 SF

**Cost:** \$107 million



Technical Assurance was engaged by Heapy Engineering to provide BECx services during the design, construction and occupancy phases of the project. The project scope included the design and construction of four (4) new schools to house grades PK-5 and Fremont Ross High School.

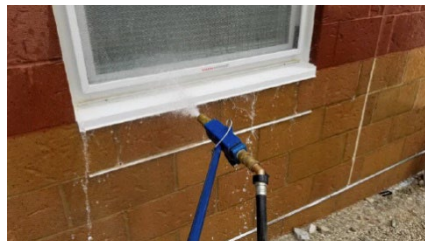
- Fremont Ross High School – 200,800 SF; \$50.6 million
- Atkinson Elementary – 56,200 SF; \$14.1 million
- Croghan Elementary – 56,200 SF; \$14.1 million
- Lutz Elementary – 56,200 SF; \$14.1 million
- Otis Elementary – 56,200 SF; \$14.1 million

Each new school was built on the site of the equivalent existing school. After construction is complete, the existing buildings will be demolished. The goal is to achieve LEED silver, and the building enclosure commissioning plays a role in achieving that goal.

## Fundamental BECx Services included:

1. Review & refinement of the Owner's Operational Performance (OPR)
2. Assist in the development of the Basis of Design (BOD) related to enclosure construction document design details and specifications.
3. Establish appropriate and quantifiable enclosure related performance metrics, test standards and test methodology as necessary to validate the OPR and BOD.
4. Develop BECx Plan to include review of enclosure durability, performance, energy efficiency, maintenance, costs, material and system options, occupancy type, geographic location and climate, acoustics, aesthetics and security.
5. Design Phase Review – provide independent third-party review of the enclosure related drawings and specifications at the DD and CD phases. Establish enclosure related performance metrics, test standards and methods. Issue a specification for BECx for inclusion in the bid/permit documents.
6. Construction Phase – quality observation, functional testing, other quality assurance services as required by the OPR and BOD, and field test. Performance testing includes an IR roof scan to detect moisture infiltration, storefront water infiltration testing, coatings adhesion testing and water hose testing.
7. Performance testing – IR Scans of thermal and air barrier systems in accordance with ASTM C1060. IR scans of the roof system in accordance with ASTM C1153. Water hose testing in accordance with AAMA 501.2. Weather barrier coatings adhesion testing in accordance with ASTM D4541.

The four elementary school constructions were complete in summer 2020. The high school construction is currently underway. The high school construction was complete in 2021. Post-Occupancy Review was complete in 2022.



# GREENON LOCAL SCHOOL DISTRICT

**Client:** Greenon LSD / OFCC

**Assignment:** BECx Services

**Size:** 188,400 SF

**Cost:** \$44.3 million



In 2017 Technical Assurance was engaged by Heapy Engineering to provide BECx services for the Greenon Local School District new construction project. The project included a new 188,405 SF elementary, middle and high school to house over 1,500 students in grades PK-12. The scope of work also included the abatement and demolition of Indian Valley Middle School, Greenon Jr./Sr. High School and the abatement of Enon Elementary.

Technical Assurance provided adhesion testing during the installation of spray foam systems, confirming good adhesion of the weather barrier. Additionally, we provided quality observation during the roof install, identifying installation issues that need to be addressed. Our primary focus during QO visits was to ensure that the building envelope provides a continuous weather and thermal barrier and that it is installed in compliance with the design intent.

## Fundamental BECx Services included:

1. Review & refinement of the Owner's Operational Performance (OPR)
2. Develop BECx Plan to include review of enclosure durability, performance, energy efficiency, maintenance, costs, material and system options, occupancy type, geographic location and climate, acoustics, aesthetics and security.
3. Design Phase Review – provide independent third-party review of the enclosure related drawings and specifications at the DD and CD phases. Establish enclosure related performance metrics, test standards and methods. Issue a specification for BECx for inclusion in the bid/permit documents.
4. Construction Phase – shop drawing and technical submittal review, mock up testing, quality observation, functional testing, other quality assurance services as required by the OPR and BOD and field test.
5. Performance testing included an IR roof scan to detect moisture infiltration, IR scans of the roof systems and adhesion testing

The project was completed in 2021.



# TEAYS VALLEY SCHOOL DISTRICT

**Client:** Teays Valley School District

**Assignment:** Building Envelope

**Size:** 8 schools



Technical Assurance, Inc. performed a façade assessment and maintenance plan for 8 schools within the Teays Valley School District:

- The High School
- The Freshman Building
- East Middle School
- West Middle School
- Ashville Elementary School
- Walnut Elementary School
- Scioto Elementary School
- South Bloomfield Elementary School

The condition of each of the school facilities differed. Common deficiencies found included failed sealant joints, insufficient water sealer material on masonry walls, deterioration/open mortar joints, cracking/spalling of CMU, moisture and water infiltration within the façade systems, and no evidence of effective cavity wall drainage systems. Our team created a 10-year maintenance plan and budget for the school district to help prioritize repair and maintenance projects. Restoration budget totaled nearly \$1.6 million.

Following the assessment, Technical Assurance completed the design, bid and construction phase services for the façade restoration on the East and West Middle Schools, along with the concession stands and restrooms at the football fields for each respective school. The restoration and remediation efforts were performed on the window/glass doors, sealant joints, masonry, CMU and mortar joints.

The following year, our team performed an assessment on the roof systems of each of the schools, again providing a 10-year plan for repair and maintenance project prioritizations. Roof systems included asphalt shingles, EPDM, PVC and metal panel. The roofs were identified to be in a variety of conditions, depending on the system age, number of defects and history of maintenance. Common findings included nail pops, improperly designed and/or installed rooftop ventilation, water infiltration at hip vents, split shingles, missing counterflashing, and bucked and detached expansion joint flanges.

Technical Assurance has a strong relationship with the school district and will continue to work with them on future building envelope projects as they arise within the 10-year plan.



# UPPER ARLINGTON K-12 SCHOOL DISTRICT

**Client:** Upper Arlington School District

**Assignment:** 6 Locations within Arlington, OH; BECx Services

**Size:** 6 Schools

**Cost:** \$230 million

Technical Assurance was engaged to provide BECx services during the pre-design, design, pre-construction, construction and occupancy phases of the project. The project scope included the design and construction of one (1) new high school, three (3) new elementary schools and two (2) elementary school renovations.

- Upper Arlington High School – 398,000 SF; includes a natatorium
- Wickliffe & Windermere Elementary Buildings – 74,900 SF each
- Barrington Elementary Renovation & Addition – 25,000 addition + 85,000 SF of renovation
- Tremont Elementary Renovation & Addition – 8,350 SF addition and 40,495 SF renovated space
- Greensview Elementary Renovation and Addition – 75,000 SF renovated space

## Fundamental BECx Services included:

1. Review & refinement of the Owner's Operational Performance (OPR)
2. Assist in the development of the Basis of Design (BOD) related to enclosure construction document design details and specifications.
3. Establish appropriate and quantifiable enclosure related performance metrics, test standards and test methodology as necessary to validate the OPR and BOD.
4. Develop BECx Plan to include review of enclosure durability, performance, energy efficiency, maintenance, costs, material and system options, occupancy type, geographic location and climate, acoustics, aesthetics and security.
5. Design Phase Review – provide independent third-party review of the enclosure related drawings and specifications at the DD and CD phases. Establish enclosure related performance metrics, test standards and methods. Issue a specification for BECx for inclusion in the bid/permit documents.
6. Pre-construction Phase – review shop drawings and submittals for technical content and continuity of building enclosure systems, recommendations of findings and reporting. Technical Assurance also supported Heapy in the RFI and submittal phase for review of special conditions related to wall and interfacing systems.
7. Construction Phase – quality observation, functional testing, other quality assurance services as required by the OPR and BOD, and field test. Performance testing includes an IR roof scan to detect moisture infiltration, storefront water infiltration testing, coatings adhesion testing and water hose testing.

Each school is currently in a different project phase. The entire project is expected to be complete in 2022.



# Warrick County Schools

**Client:** Warrick County School Corporation

**Assignment:** Roof Replacement

**Size:** Castle North Middle School

**Project Complete:** 2022

In 2021 Technical Assurance, Inc. provided assessment, design, bid and construction phase services. The scope of work included roof replacement services for Castle North Middle School.

The services provided included:

1. Discover-Plan Phase – Conduct initial roof assessment of building exteriors. Conduct testing, including roof core cut(s) sampling, examination and patching of examined conditions.
2. Solve Phase – Conduct site visits and pre-design review. Develop specification documents aligned with Building Code Standards, provide special conditions, testing requirements and bid forms as required. Develop drawings from confirmed testing, exploration and project analysis data. Conduct design review and coordinate bidding phase with WCSC and conduct pre-contract award review.
3. Construction Phase – Conduct contract preparation, review of project schedule and submittals and periodic construction phase administration. Provide on-site project management and part-time quality observation including reports after each visit.
4. Performance Testing – Coordinate and conduct material application testing procedures regarding project guidelines and standards are met before each phase of work. Coordinate Independent Testing as required and approved by the Owner.

The project was completed in November 2022.



# WICKLIFFE CITY SCHOOLS

**Client:** Wickliffe PK-12 Campus/OFCC

**Assignment:** BECx Services

**Size:** 208,000 SF

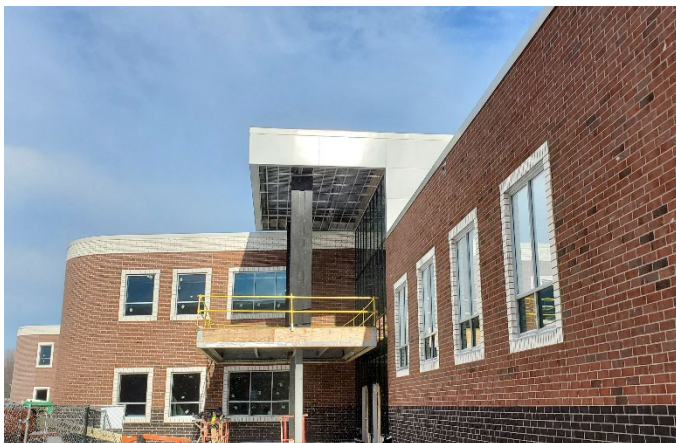
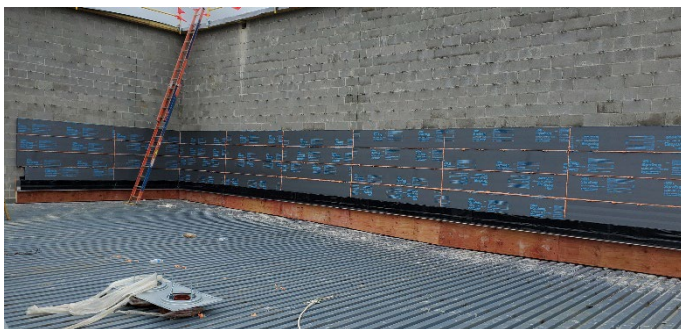
**Cost:** \$61,500,000

Technical Assurance was engaged by Karpinski Engineering to provide BECx services to Wickliffe City Schools. The project site located in Wickliffe, OH took place at the existing Wickliffe High School and athletic fields. The scope of work included building and site improvements, including a PK-12 School serving approximately 1,237 students, a Performing Arts Center (with 500 seats), Athletic Field Complex (including new varsity baseball field and new artificial turf for the stadium), and the abatement and demolition of the existing Wickliffe High School, Middle School, and Elementary School. The goal is LEED Silver Certification.

## Fundamental BECx Services included:

1. Providing an independent third-party review of the enclosure related drawings and specifications at the DD and CD phases and issue a specification for BECx for inclusion into the bid/permit documents.
2. Conducting a general review of the exterior envelope shop drawings and technical submittals for compliance with the contract documents.
3. Conducting Quality Observation site visits along with written field reports disclosing the findings during the QO and subsequent issues log.
4. Conducting Performance Testing—ASTM C1153 Roof Insulation Infrared Scanning, ASTM C1060 Building Insulation Infrared Scanning, ASTM D4541 Coating Adhesion Testing and AAMA 501.2 Water Hose Testing.
5. Performance of a post-occupancy review of the building enclosure.

As of Fall 2022 the project is on time and on budget with complete building enclosure set for November 2022.



# ON-PNT<sup>®</sup>

ENTERPRISE BUILDING SYSTEM MANAGEMENT SYSTEM

# OVERVIEW



## Building System Asset Management Made Simple.

### Enable a More Efficient Field Crew | Data Collection

- GIS HTML5 mobile app
- Increases efficiency and effectiveness
- App syncs with web portal every night

### Brings Database to the Field & the Field to the Database | Dynamic Mapping

- GIS integrated database
- Easily visualize the condition of roof assets
- Analyze effects of repairs and maintenance

### Analysis & Reporting: Performance, Metrics & Goals | Data Consumption

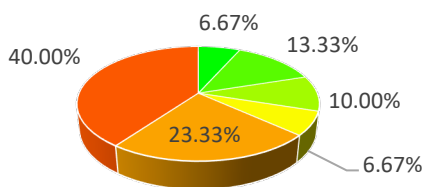
- High level executive summary metrics (KPIs)
- Scorecard review of building conditions
- Custom reports & charts
- Triage scores
- Constrained budget analysis tool
- GIS mapping

### Simplified Management

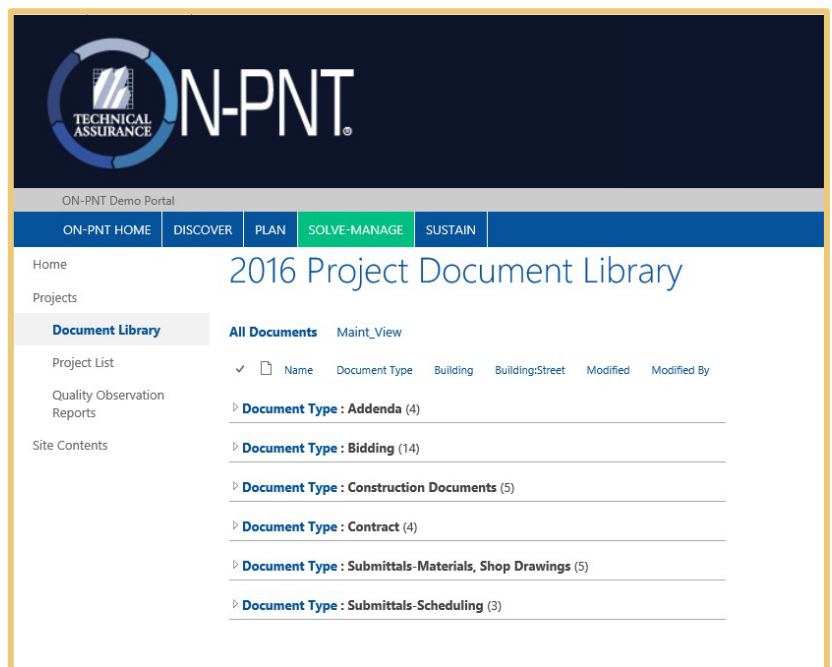
- Robust project management tool
- Document & task management
- Schedule & cost management
- Data repository
- Warranty management & reminders



### Portfolio Conditions (Current)



■ Good ■ Fair ■ Poor ■ Bad ■ Very Bad ■ Failed



# OVERVIEW

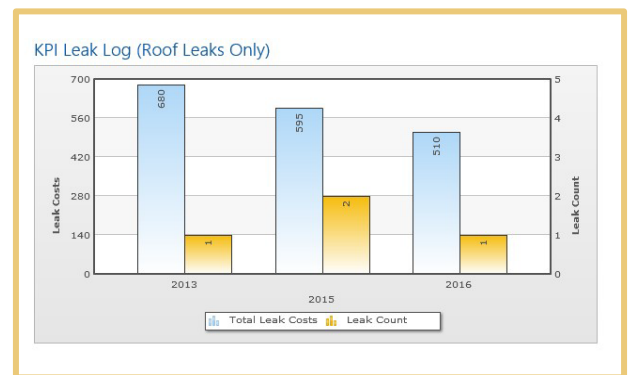


The ON-PNT® Enterprise Solution is a GIS (Geographic Information System) enabled database and web portal technology solution for **Building System Management, Design Services and Bid Management, Construction Management and Sustainable Maintenance Management**. ON-PNT® allows facility owners the ability to manage building system inventory, condition assessments, repairs and ongoing building system data within one central location. This cutting edge technology provides robust GIS mapping and automated reporting metrics for simplified data consumption.

ON-PNT® is fully customizable per client. In fact, we build a unique ON-PNT® Portal for each client program. This means we incorporate each client's unique program nomenclature, ID system, special acronyms, custom metrics, etc.

ON-PNT® is based on two open market platform solutions, ESRI ArcGIS Server and Microsoft SharePoint Portal. Technical Assurance has greatly customized and enhanced these open market platforms and has developed a unique 5 Steps to Sustainability™ Process to drive and manage this solution, which is trademarked as ON-PNT®. Deploying ESRI and Microsoft platforms ensures that our solution meets the most current security, browsing and up-to-date software enhancements on the market today.

A critical feature of ON-PNT® is the Score Card or Key Performance Indicators (KPIs). If definable goals, benchmarks and objectives cannot be met or tracked within an asset management program, how can we determine if and when adjustments and improvements are needed? The point of the KPIs is not to hit specific numbers, but rather to track trending goals and metrics. Done properly, **the asset management program should reduce emergency roof leak expenditures and the quantity of work orders, improve average building system life cycle and lower total cost of asset ownership**. These goals are measurable and therefore should be used for program accountability. ON-PNT® maintains these KPIs as our Score Card.



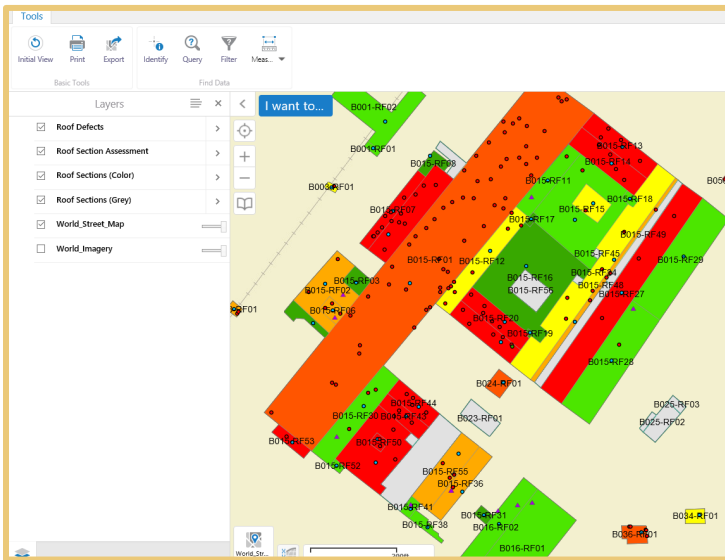
# OVERVIEW



The ON-PNT® system provides **repeatable and objective analysis** using established facilities asset management (FAM) standards. The database is modeled using the following engineering standards:

- “Asset Lifecycle Model for Total Cost of Ownership”, IFMA/APPA
- ASTM E917-05 Measuring Life-Cycle Costs of Buildings and Building Systems
- ASTM E1057-06 Measuring Internal Rate of Return and Adjusted Internal Rate of Return for Investments in Buildings and Building Systems
- ASTM E1121–12 Measuring Payback for Investments in Buildings and Building Systems
- ASTM E1765-11 Standard Practice for Applying Analytical Hierarchy Process (AHP) to Multi-Attribute Decision Analysis of investments related to Buildings and Building Systems

Using these standards to work within the structure of our database, we ensure consistent findings and reporting with our Asset Management solution. The standards also allow us to bring in unique characteristics and attributes important to our clients from a non-monetary perspective.



Defect Pt: GF-Bruce\_Mansfield... I want to...

Defect Code  
**BU-OL-M-1**

Roof System Group  
**BU**

Defect Type  
**Open Laps**

Defect Acronym  
**OL**

Defect Definition  
**Partially open - no water penetrating system**

Specifications/Repair  
**Prepare surface, 1-ply MBR**

Quantity  
**154**

Comments  
**N/A**

Legacy Data?  
**No**

Legacy Name  
**N/A**

Defect Status  
**Incomplete Manuf Warranty Defect**

Print Map

Select Layout  
**Landscape ON-PNT Report**

Output Format  
**pdf**

Map Scale  
**Current Scale - 1: 2257**

**Print**

# OVERVIEW



## RECOMMENDATIONS & BUDGETING

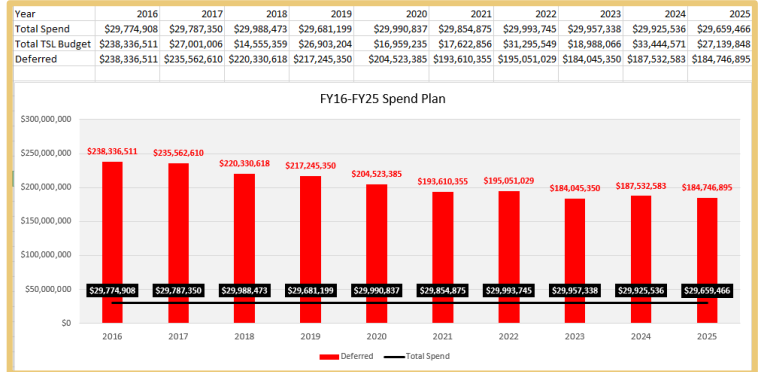
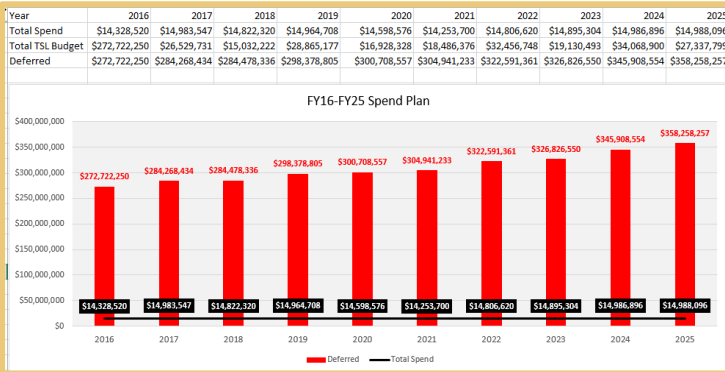
ON-PNT® includes a built-in Business Intelligence for Capital and O&M budgeting and planning, along with work schedule priorities based on discovery phase findings. The automated budgeting reports include scientific methodology for ranking capital replacements and repair projects. The ON-PNT® Triage budget report and project analyzer tool is based upon the building or building system Condition Index (CI), Mission Dependency Index (MDI), System Component Index (SCI) and Total Cost of Ownership (TCO).



ON-PNT® lets you generate ad-hoc Triage Budget Plans based upon set budget constraints. You can also set your organization's inflationary rate and/or cost of capital or value of cash percentage rate. Once constraints and other rates are set, you can easily generate Triage Budget Plan and/or special Spend Plan and Deferred Maintenance Reports.

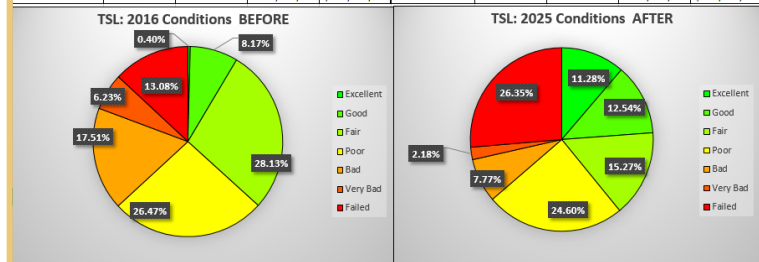
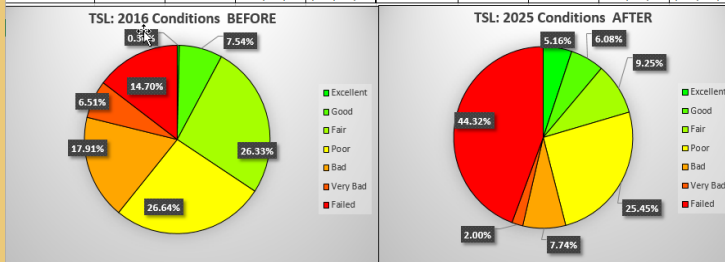
### 10-Year Spend: \$15 million/Year

### 10-Year Spend: \$30 million/Year



Condition-2016	Count	%	SF	CRV	Condition-2025	Count	%	SF	CRV
Excellent	19	0.36%	141,501	\$5,215,598	Excellent	269	5.16%	965,418	\$39,233,204
Good	393	7.54%	1,519,097	\$60,841,379	Good	317	6.08%	1,007,499	\$39,538,526
Fair	1372	26.33%	4,886,607	\$203,565,215	Fair	482	9.25%	2,017,074	\$80,994,536
Poor	1388	26.64%	5,305,070	\$219,412,653	Poor	1326	25.45%	3,787,815	\$169,022,567
Bad	933	17.91%	3,251,802	\$128,076,573	Bad	403	7.74%	1,550,015	\$65,712,988
Very Bad	339	6.51%	1,337,673	\$51,012,639	Very Bad	104	2.00%	496,605	\$19,251,090
Failed	766	14.70%	3,163,517	\$112,813,771	Failed	2309	44.32%	9,780,841	\$367,184,915
	5210	100.00%	19,605,267	\$780,937,828		5210	100.00%	19,605,267	\$780,937,828

Condition-2016	Count	%	SF	CRV	Condition-2025	Count	%	SF	CRV
Excellent	20	0.40%	264,957	\$9,900,754	Excellent	563	11.28%	1,887,177	\$78,736,089
Good	408	8.17%	1,574,667	\$63,700,151	Good	626	12.54%	2,188,687	\$84,679,447
Fair	1404	28.13%	5,106,632	\$210,494,982	Fair	762	15.27%	3,352,259	\$131,195,586
Poor	1321	26.47%	4,972,542	\$205,112,767	Poor	1228	24.60%	3,440,155	\$152,941,882
Bad	874	17.51%	3,203,298	\$125,852,664	Bad	388	7.77%	1,440,571	\$61,339,598
Very Bad	311	6.23%	1,248,197	\$47,475,983	Very Bad	109	2.18%	488,327	\$18,441,678
Failed	653	13.08%	2,327,875	\$85,563,876	Failed	1315	26.35%	5,900,992	\$220,766,897
	4991	100.00%	18,698,168	\$748,101,177		4991	100.00%	18,698,168	\$748,101,177



# Request a Consultation

We would love to talk with you about your facility needs.  
Connect with us on our [website](#) to request a consultation.

Or Contact:

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