Solutions for the Built Environment

StructureTec Group

Overview

Bringing Integrity to Structures...

www.structuretec.com
(800) 745-STEC
Message from the President

StructureTec enjoys dynamic growth, and demonstrates superb financial performance as an organization. The organization realizes major expansion in all business units, with an average of 20 percent growth annually. Our focus is to provide "value added" capabilities and tools, thus enhancing our current service offerings.

Fostering a clearly defined corporate culture and developing strong training programs that educate employees about business operations ensures our success.

StructureTec utilizes our experience and resources to deliver comprehensive solutions to our customers. As we enter today’s more streamlined business climate, our job is to articulate our vision, keep our company forward-focused, generate positive thinking and excitement, communicate respect, as well as coach and guide team members. Our potential is unlimited through nurturing our culture with a positive spirit and energy, and strengthening our partnerships in the industries we serve. Clients can anticipate exciting proven technologies, and employees will continue to learn and grow thanks to new experiences and challenges.

With a corporate culture that fosters communication, education, and opportunity, StructureTec has built the foundation to weather the toughest of economies or industry challenges. We credit our continuing success to our people and their overriding commitment to the company.

As an organization, we embrace our core values of: integrity, quality, relationships, expertise, and accountability.

As StructureTec Group is entrenched in specialty services and a niche market, we anticipate future results congruent with past performance. As an organization, we continue dynamic growth as well as geographic expansion. We appreciate the continuing support and confidence of those we serve.

Jeffrey L. Brittan
President & CEO
StructureTec’s Total Building Envelope Management Solution program has evolved as a direct result of developing solutions to meet the needs of our clients. The program combines our expertise in weatherproofing technology with the increasing demand for addressing the entire building envelope under one umbrella. This “total envelope” concept incorporates all aspects of weatherproofing the structure and enables StructureTec to provide a solution for the entire facility.

StructureTec is the recognized expert in the remediation process. We specialize in working with an existing situation and developing a solution that has been tried and proven. Throughout our projects, we maintain a strong Total Quality Management (TQM) process, ensuring that the client receives the best possible service. As an independent consultant, StructureTec provides an unbiased approach in developing programs for the remediation of facilities.

StructureTec’s Total Building Envelope Management Solution program is dedicated to providing cost-effective value in a manner that exceeds the client’s expectations for quality and timeliness. Our clients realize the greatest return-on-investment when we provide innovative solutions with a proven track record of performance, servicing the entire building envelope as a single source entity.
Corporate Quality Policy

The StructureTec Corporation is committed to the principles of Total Quality Management and has established a management system with a goal of assuring that the quality of the products and services it provides exceeds the expectations of our customers.

The management system is documented in the Corporate Quality and Procedures Manual and provides standards, monitoring methods, and auditing procedures for all operations. It is designed for continuous quality improvement through open and frequent communication with our customers, empowerment of our employees to act in the best interests of our customers, training in the latest technologies and safe operations and an employee recognition system to reward excellence in performance.

An important part of the quality program recognizes the responsibility of the Corporation and its employees for environmental protection and community involvement. The Corporation contributes to and encourages its employees to actively participate in community programs.

The management system requires high quality standards for the products and services supplied by subcontractors and suppliers and a recorded evaluation of them is maintained and used to assure total project quality.

Customer satisfaction is of prime importance, and customers are asked to evaluate each project. Evaluations are reviewed and recorded. Suggestions for improvement are given immediate attention, and incorporated into the continuous quality improvement program.

-StructureTec Board of Directors
StructureTec Corporation will maintain as its highest priority responsiveness to the needs and requirements of its customers. Existing services provided by the company will continue to evolve to position and maintain the company on the leading edge of technology in the fields of consulting services for the remediation of building structures in the industrial, institutional, and commercial marketplace.

Long range plans reflect our efforts for continuing growth in service to our customers and growth in our technical knowledge and expertise.

The StructureTec culture must reflect our responsibility to all company members to create the environment where they can excel to their maximum potential.

As an organization, we will adhere to the highest standards of honesty and integrity both internally with our employees and externally with our valued customers.

We look forward to the opportunities for developing and continuing superior business relationships and expanding friendships with our customers and partners.
Solutions for the Built Environment

Consulting Phases

Structure Tec Group
Because the roof is your organization’s most vulnerable and most valuable asset, StructureTec is committed to providing the highest quality roof consulting services.

Roofing Management encompasses consulting applications for repair, restoration, retrofit and replacement of facility roofs. “State of the art” design is incorporated for built-up roofing, single-ply, modified bitumen, metal roof assembly, liquid membrane, shingles, and slate.

Our purpose is to ensure that our clients receive the highest standard of quality throughout their roofing projects, understanding that the roof is your company’s most vulnerable and valuable asset. We achieve this through extensive experience and knowledge in all the phases of a roofing project, from evaluation to construction and maintenance.
Because there are many building envelope components that play a vital role in maintaining watertight integrity, StructureTec employs engineers with extensive knowledge of all aspects of building envelopes and years of experience in the remediation field.

THE RESTORATION GROUP specializes in exterior building envelope structures by providing expertise in walls, windows, atriums, cladding, penetrations and below-grade restoration technology.

Building envelope restoration encompasses masonry, exterior insulated finishing systems (EIFS), concrete repair technology, curtain wall, panelized systems, glazing, and sealant technology.

Our purpose is to ensure that our clients achieve watertight integrity for the entire building envelope. By employing professional engineers with extensive knowledge and experience, we are able to determine the cause of the problem and develop solutions which will correct the issues and meet the needs of our clients.
Because a parking structure’s integrity can deteriorate dramatically the deterioration process can be reduced; StructureTec employs engineers with extensive knowledge of all aspects of horizontal restoration, with years of experience in the remediation field.

**THE RESTORATION GROUP** specializes in horizontal structures by providing expertise in horizontal structures including parking garage remediation and plaza decks.

Horizontal restoration encompasses steel and concrete rehabilitation, overhead concrete replacement, full-depth concrete replacement, post-tensioning and post-tensioning repair, carbon fiber installation (FRP), including joint sealants, traffic deck coatings, concrete sealers and expansion joint sealing systems.

Our purpose is to ensure that our clients maintain functional and structural integrity. By employing Professional Engineers with extensive knowledge and experience, we are able to determine the cause of the problem and develop a remedial plan to restore the serviceability of the structure.
StructureScan® uses the latest infrared technology to identify and record moisture penetration, heat-loss areas and related building envelope deficiencies.

StructureScan® performs thermal imagery analysis of roofs and building envelopes. These surveys are used to depict substrata conditions not visible with the naked eye and can be performed on both ballasted and non-ballasted roof systems, as well as exterior wall assemblies.

The purpose of StructureScan® is to determine needs for roof repair, restoration or replacement. StructureScan® is a major component in the energy management program. It can also be used to ensure contractor performance during/after construction or to audit an existing warranty.
StructureTec civil engineers have experience in conducting pavement distress surveys, auditing existing pavement inventory for accuracy and consistency, and developing technical plans, specifications, and budgets for pavement rehabilitation and replacement projects.

As part of StructureTec’s Asset Management Programs, we provide condition assessments for pavement on parking lots. Parking lots are surveyed and evaluated to assess their conditions and identify defects. This process facilitates the development of a Long Range Pavement Program which includes a budget forecast and planning schedule.

**Pavement Evaluation Scope:**

1. **REVIEW OF EXISTING PAVEMENT DATA:** Perform a review of plans (drawings), specifications, and other historical information available relative to the pavement, adjacent walks, and curbing.

2. **VISUAL SURVEY** to assess observable conditions of the pavement, adjacent walks, and curbing in an effort to incorporate proper overall maintenance procedures. This will help identify pavement distresses to understand the causes of failure and determine the appropriate remediation procedures. Collection of topography and geo-technical information is also performed as necessary to assess causes of failure and remedial action.

3. **FIELD MEASURE** all areas to identify and locate significant pavement features on detailed drawings and specifications.

4. **INVENTORY DATABASE** delineates construction types, and a Pavement Condition Index (PCI) will be developed to establish priorities.

5. **DRAWINGS** will show deteriorated and distressed areas.

6. **CONDITION PHOTOGRAPHS** depicting visible restoration problems are provided for management personnel who are unable to make a personal inspection.

7. **REPORTS** describe observations, findings, and recommendations for corrective action (repair, replacement).

8. **BUDGET ESTIMATE PREPARATION** based on the recommendations given. The estimates will be set up in a long-term schedule based on the Owner’s strategic plan.

9. **REVIEW TRAFFIC VOLUMES** anticipated is an important consideration in the design of the pavement structural cross-sections.

10. **COMPUTATION OF TRAFFIC VOLUME, EQUIVALENT TO SINGLE AXLE LOADS** involve an estimate of total numbers of vehicles during the design life of every pavement cross-section. Proper design can impact cost of ownership dramatically.
Data Management Services (DMS) utilizes the latest technology to provide StructureTec clients with vital facility information through their personal computer. This enables clients to have critical project management and permanent facility management data at their fingertips.

DMS provides our clients with data and procedures through customized software for practical decision-making in regard to cost-effective maintenance, restoration, repair, and replacement. DMS provides a precise, long-range budgeting program for maintenance and capital projects based on an accurate condition analysis.
The **Warranty Audit Program** provides construction review for warranty issues. These reviews are scheduled at twelve months and twenty four months after completion of the project. This process ensures the owner that all concerns covered by the warranty are dealt with by the contractor/manufacturer.

StructureTec performs two annual inspections of the completed project. On low-slope roofing projects, an additional **StructureScan** survey is performed at the twenty-four month audit. All warranty items are relayed to the contractor or manufacturer and any maintenance items are reviewed with the owner.

The purpose of the **Warranty Audit Program** is to help our clients protect their facility investments by ensuring that all aspects of their warranties are sufficiently covered by the contractor or manufacturer at the initial outset of the project service life.

<table>
<thead>
<tr>
<th>5.4 Roof Penetrations/Vents/Umbrellas</th>
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</thead>
<tbody>
<tr>
<td>A. Attachment deficiencies</td>
</tr>
<tr>
<td>B. Physical Damage</td>
</tr>
<tr>
<td>C. Collars/Clamps loose</td>
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</tbody>
</table>

Comments: Install the specified stainless steel collars at all pipe penetrations.

<table>
<thead>
<tr>
<th>5.5 Drain Deficiencies</th>
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<tbody>
<tr>
<td>A. Flashing Deficiencies</td>
</tr>
<tr>
<td>B. Clamping Ring &amp; Bolts inadequately secured</td>
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<tr>
<td>C. Non-Functional</td>
</tr>
</tbody>
</table>

Comments: No corrective action needed at this time.

6. **Expansion Joint Covers** - N/A

7. **Pitch Pans** - N/A

8. **Summary of repairs required by Contractor under roof warranty**

5.4 - specified collars to be installed
The **Construction Services Group**<sup>SM</sup> (CSG), Roofing Team, is a tier one roofing contractor that specializes in Capital Deployment and Maintenance Projects.

**Maintenance Services**

CSG performs predictive and preventative maintenance and also specializes in performing remedial or even emergency repairs. Our technicians are trained on all major roof systems.

These maintenance services are designed to extend the life of the roof system and fulfill warranty requirements maximizing the Return On Investment (ROI).

**Capital Deployment**

CSG performs major capital and significant roof restoration projects. CSG ensures our clients receive the highest quality roof system by engaging StructureTec on all major capital deployment projects.

CSG is qualified and authorized by all major manufacturers in the installation of roof systems including:

- Built-up Roofing (BUR)
- Modified-Bitumen
- Single-ply
  - EPDM
  - TPO
  - PVC
- Metal Roof Assembly (MRA)
The Construction Services Group (CSG), Restoration Team, is a tier one restoration contractor. We are the leader in the marketplace for strengthening and restoring structures. Utilizing top of the line materials, CSG technicians approach all projects with a total commitment to identifying the causation of deficiencies and then proceeding with the proper remediation techniques, ensuring total client satisfaction.

**Maintenance Services**
CSG performs predictive and preventative maintenance and also specializes in performing remedial or even emergency repairs. Our technicians are trained on all major systems.

These maintenance services are designed to extend the life of the existing system and fulfill warranty requirements maximizing the Return On Investment (ROI).

**Capital Deployment**
CSG performs major capital and significant restoration projects. CSG ensures our clients receive the highest quality system by engaging StructureTec on all major capital deployment projects.

CSG Restoration services include:

- **Masonry restoration**
  - Brick and stone repair/replacement
  - Repointing
  - Building cleaning/sealer
  - Caulking and sealants
  - Wall ties, structural steel repair/replacement

- **Concrete restoration**
  - Expansion joint systems
  - Parking deck restoration
  - Plaza deck restoration
  - Polyurea coatings
  - Caulking and sealants
  - Epoxy injection
  - Waterproofing membrane installation

- **Specialty services**
  - Carbon fiber repairs
  - Post tension repair (strand and button-head systems)

- **Glass-Metal Curtain Wall**
- **Cladding**
Construction Management

Construction Management is a progressive, more “convenient” method of construction project administration. The Owner has only one direct contract, with the Construction Manager. The Contractor becomes a subcontractor to the Construction Manager (Consultant). The Owner is not bothered by having to make every decision and may realize a time reduction in the completion of the job. Finally, the Owner’s accounts payable department only has to deal with one company.

- Owner not bothered with having to make every decision
- Owner’s accounts payable deals with only one company
- Owner could realize time reduction in completion of job
- Increased quality control responsibility with the Consultant

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**Project Profiles:**

Profile: DOW Chemical
Project: Platinum Program™ Restoration - Skylights
Procedures: Evaluation, Design Development, Bidding, Field Quality Assurance
Project Profiles Continued ...

Profile: Northern Michigan Regional Hospital
Project: **Platinum Program**, Exterior Masonry Restoration
Procedures: **StructureScan**, Construction Management

Profile: Michigan House of Representatives Anderson Bldg
Project: **Platinum Program** - Restoration
Procedures: Leakage Evaluation, Design of interior repairs, Exterior wall repairs, Field Quality Assurance

Profile: DOW Chemical Corporate Headquarters
Project: **Platinum Program** Restoration
Procedures: Green Roof, Restoration of Building Envelope, Roof Replacement

Profile: Oakwood Hospital
Project: **Platinum Program**, Roofing
Procedures: DATA MANAGEMENT SERVICES, Specifications, Field Quality Assurance, Bidding

Profile: University of Pittsburgh Medical Center (UPMC)
Project: **Platinum Program**, Exterior Masonry Restoration, Window Replacement
Procedures: DATA MANAGEMENT SERVICES, **StructureScan**, Design of exterior repairs and window replacement, Field Quality Assurance
Building Products Group™, the leading manufacturer and provider of high-performance and specialty building products designed from more than two decades of StructureTec engineering experience in the field.

Our mission is to manufacture and supply products that exceed the customer’s expectations for quality and timeliness, while providing a cost-effective, high-quality end product and service with integrity.

Our fully engineered products are specified to meet major insurance and regulatory code compliances. Our capabilities allow us to fabricate based on your specific project parameters.

We offer industry “best in class” warranties on systems, products and finish.

Building Products Group™ is customer-focused and utilizes state-of-the-art equipment, including manual, hydraulic and CNC computerized brakes for StructureClad products. Our equipment enables us to sheer and bend metal in a variety of thicknesses to meet customer specifications, including standard, radius and specialty bends.

**Product Offerings**

**StructureClad** Systems  *Architectural Sheet Metal*

StructureClad Systems are custom-fabricated metal products for use by General Contractors, Roofing and Restoration Contractors looking for high quality building materials.

**Metal Roof Assembly & Architectural Flashing Components:**
- Metal Roof Assembly
  - Architectural
  - Structural
- Fascia Systems
  - Metal Edge Details
- Coping Details
- Counter Flashing Systems
  - Termination Bar Details
    - Surface Mounted Counter Flashings
    - Reglet Counter Flashings
- Field of the Roof Details
- Building Envelope: Through-wall Counter Flashing Systems
- Wall Panels / Exterior Cladding

**Structure Seal** Sealants

StructureSeal is an exclusive “high performance” sealant line. It’s a highly elastic super adhesion polyether moisture cure that cures quickly to form a soft rubber seal. It is formulated under Building Products Group™ stringent guidelines to conform to ASTM standards.

Products and systems can be provided separately as components or as installed finished product. Upon request we can install all products for you. Please contact us for a quote.

www.structuretecbpg.com
StructureTec's air fleet ServiceTec, stands ready to service the National Accounts Program allowing Client Relations Manager’s and key team players instantaneous contact with our clients.
Representative Client Listing

Healthcare

Bringing Integrity to Structures...
Representative Client Listing

K-12 and Higher Education...
Sports & Exhibition Authority
Project: Installation of New Roof
Location: Pittsburgh, Pennsylvania
Services: Field Quality Assurance, Design and Installation of a New Roof
Summary: The Sports & Exhibition Authority enlisted the consulting services of StructureTec to design and manage the installation of a new roof for the ballroom at the David L. Lawrence Convention Center. StructureTec provided site visits for field quality assurance during installation of the new roofing system, which was under a very strict time frame. Preceding the completion of the project, the Sports & Exhibition Authority requested that StructureTec design a structural platform to accommodate a projector that would display a welcome sign in different languages on the Marriott Hotel across from the Convention Center.

Mercy St. Charles Hospital
Project: Vegetated Roof
Location: Oregon, OH
Services: Roof Replacement, Development of Long-Range Program
Summary: Mercy St. Charles Hospital’s facilities team engaged StructureTec to assess the conditions of all of its roofing assets and to help develop a long-range management program. Based on this plan, four roofs were selected to be replaced, not only due to their age and conditions, but also because of their strategic locations with respect to patient rooms. After a careful design selection process, the decision was made to not only replace these roofs, but also enhance the areas by incorporating landscaping features, which included a combination of pavers, pedestal pavers and vegetation.

School District U-46 - Chicago School District
Project: StructureScan® Survey & Roof Evaluation - Seven Buildings
Location: Elgin, Illinois
Services: StructureScan®, Survey, Roof Evaluation, Development of Long-Range Program
Summary: School District U-46 needed an assessment of their roofing requirements. With school buildings dating back to the late 1800’s, School District U-46 faced many unique challenges with special attention required for their roof systems, decks, and structural elements. In order to begin prioritizing their maintenance and replacement budgets, the district chose seven of their buildings with the worst leakage conditions to be evaluated. StructureTec performed a visual roof evaluation as well as an infrared StructureScan® survey. These services were performed to determine how much wet insulation was present and how much previous degradation had occurred. This process revealed that the majority of the roofs exhibited retrofit roofing and that the existing wet, saturated substrate below had not been addressed. Although most of the retrofits were less than ten years old, they had experienced premature failure. All of these areas were then rated and prioritized into a long-range plan which included timelines and budgets for wet insulation repair as well as complete roof replacement.
The Dow Chemical Company
Project: Vegetated Roof / Building Envelope Restoration
Location: Midland, Michigan
Services: Masonry Restoration, Building Envelope Remediation, Vegetated Roof
Summary: The Dow 2030 Building Tower and the East Executive Wing of the 2030 Building received repairs and updates, with an emphasis on energy efficiency. The Dow 2030 Building Tower was updated with a roof replacement. A new white reflective roof was installed, replacing the old system. The East Executive Wing of the 2030 Building was updated by installing a vegetated roof system. Prior to the new systems being installed, some preliminary work was performed addressing building envelope leakage conditions. In preparation for the white reflective roof installation, some of the issues addressed on the 2030 Building Tower included repairs and restoration to the masonry, replacement of all joint sealants, and application of a clear water-repellent sealer. Movement and general weathering produced openings which were direct leakage paths, causing the masonry to crack and deteriorate; these conditions were restored. The East Executive Wing of the 2030 Building experienced some ongoing leakage issues which were also addressed. A new membrane and a vegetated roof system were installed.

Hines Interests
Project: Restoration - Due Diligence Evaluation
Location: Southfield, Michigan
Services: Envelope/Curtain Wall Evaluation, Due Diligence Evaluation
Summary: Hines Interests enlisted the consulting services of StructureTec prior to acquiring the facility. StructureTec performed a due diligence evaluation on the 13 story Northwestern Plaza and identified several deficiencies that were observed from the ground and sub-roof levels. As a result, StructureTec provided Hines Interests with a complete assessment of the condition of the building envelope at this facility, which was used in the building acquisition negotiations. In addition, the owner had a strategic plan for restoration and long term building envelope asset management.
**Occidental Chemical**

**Project:** Pavement Management Program  
**Location:** Ludington, Michigan  
**Services:** Evaluation, Prioritized Asset Repair Program, Pavement Restoration and Maintenance  

**Summary:** Occidental Chemical Corporation (OxyChem) is a leading North American manufacturer of polyvinyl chloride (PVC) resins, chlorine and caustic soda – key building blocks for a variety of indispensable products such as plastics, pharmaceuticals and water treatment chemicals. Occidental Chemical's Ludington, Michigan Chemical Plant facility contracted StructureTec to evaluate the facility's heavy civil site areas around tank group #2. This complex is in excess of 250 acres in size, including 25 total pavement areas, and houses numerous chemical tanks. The physical nature of this tank group site varied from existing earthen grades and gravel areas of marginal structural integrity to well-designed hot mix asphalt and reinforced concrete pavement sections. There were many deficiencies in the pavement, including cracks which any chemical spill would be able to seep through directly into the ground. To ensure absolute fluid containment and zero seepage, the design for the restoration and maintenance was critical and deemed as the number one priority. A design of overlapping hot mix asphalt joints was implemented. StructureTec provided the design, specifications and construction review to meet and exceed specific technical requirements. StructureTec devised a prioritized asset management plan for the 25 plus pavement sections which were identified for replacement over an eight year capitalized upgrade period.

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**Whirlpool Corporation**

**Project:** Pavement Management Program  
**Location:** Clyde, Ohio  
**Services:** Evaluation, Prioritized Asset Repair Program  

**Summary:** Whirlpool Corporation, the world's leading manufacturer and marketer of major home appliances, contracted StructureTec to evaluate several parking lots and pavement areas for the Clyde, Ohio facility. StructureTec's Pavement Management team performed an overall survey to review the general pavement conditions, existing deterioration, and overall weatherproofing integrity of the existing paved parking lot area, entry drive and other areas. After the data was collected, StructureTec created a matrix for Whirlpool detailing the areas and their deterioration levels. In this case, the evidence showed total pavement failure in areas existing at various locations throughout the facility which could create potential safety concerns for pedestrian and vehicle traffic. Open holes and deteriorated conditions require urgent repairs to prevent possible injury and/or vehicle damage. Any existing deteriorated areas will only become worse as time passes, and unless corrective action is taken, will create more significant and expensive repairs. Due to the different types and severity of degradation in various areas, the recommendations included preventive maintenance, strategic repairs and restoration to complete replacement. StructureTec developed a five-year action plan with preliminary budgets to address all pavement issues and bring the pavement areas back to maintainable assets.
Kraft Foods - Post Foods
**Project:** Building Envelope Program - Evaluation & Long-Range Plan  
**Location:** Battle Creek, Michigan  
**Services:** Building Envelope Evaluation, DMS Implementation, DMS IT Task Management, Development of Long-Range Program  
**Summary:** Kraft Foods - Post Division in Battle Creek, Michigan is the manufacturer of approximately 60 percent of all Post brand cereals in the United States. The Battle Creek building complex includes several dozen buildings and silos. Due to several decades of neglect, the buildings were in varying degrees of deterioration, and Kraft needed an effective way to budget repairs and maintenance to building facades. StructureTec was contacted to perform a full evaluation of the building conditions in the complex and organize its findings in an easy-to-use and manageable fashion. This project consisted of a building facade survey of 20 masonry buildings, as well as concrete grain silos and other structural systems. Along with this, StructureTec helped Kraft prioritize repairs and prepare cost estimates for recommended repairs. A long-range asset management program was developed.

Mount Carmel – St. Ann’s
**Project:** DMS - Roof Asset Management Program  
**Location:** Columbus, Ohio  
**Services:** Building Envelope Program, Evaluation, Field Quality Assurance, and Roof Asset Management  
**Summary:** After experiencing major roof distress, Mount Carmel – St. Ann’s enlisted the services of StructureTec. After reviewing the facilities, StructureTec advised Mount Carmel – St. Ann’s of the significant masonry damage and cracking, along with the major roofing distress. StructureTec recommended Mount Carmel – St. Ann’s perform masonry restoration and weatherproofing, in addition to developing a long range asset management program for the building walls and roofs.

University of Cincinnati
**Project:** DMS - Building Envelope Program, Evaluation  
**Location:** Cincinnati, Ohio  
**Services:** Building Envelope Program, Evaluation, Roof Asset Management Program, DMS Implementation, DMS IT Task Management  
**Summary:** StructureTec was enlisted to provide consulting services to the University of Cincinnati in Cincinnati, Ohio. The campus buildings had been facing age-related deterioration for several years, and were reaching the point of potential public safety hazards. As a result, StructureTec provided a Roof Asset Management Program, Building Envelope Evaluation, DMS Implementation and DMS IT Task Management. StructureTec’s goal in the project was to not only establish priorities with the client, but also determine their long-term objectives for the campus buildings’ life cycles.
**Visteon Corporation**

*Project:* StructureScan® Survey  
*Location:* Sterling Heights, Michigan, Plymouth, Michigan  

*Services:* StructureScan® Survey, Evaluation, Long-Range Asset Management Program  

*Summary:* Visteon Corporation, a major manufacturer of auto parts, had been completing major capital roof work for several years on both their Sterling Heights and Plymouth manufacturing facilities. Comprising more than three million square feet, these roofs posed many challenges for Visteon with hundreds of rooftop projections which required significant rooftop traffic to service these units. Additionally, numerous new projections were being installed intermittently on an ongoing basis. It became quickly apparent that these combined factors inevitably resulted in severe abuse to the in place roofing materials. Visteon wanted to attain a more accurate picture of what was occurring on their roofs. StructureTec was contracted to perform an infrared StructureScan® Survey and an evaluation. The infrared scan was then conducted over 100% of the roof surface. This process provided an accurate picture of where wet substrates existed. StructureTec then used the evaluation and StructureScan® information to develop a detailed, defined, prioritized, long-range program. Short-range goals were also denoted, and approximately two million dollars of reconstruction occurred in prioritized areas. In conclusion, Visteon now has an accurate picture of their roofing conditions and a long-range, detailed program for handling their roofing concerns, which will provide the maximum return on investment.

**Cadbury**

*Project:* StructureScan® Survey  
*Location:* Loves Park, Illinois  

*Services:* StructureScan® Survey  

*Summary:* StructureTec performed a StructureScan® Survey on select roof areas of the Cadbury Rockford Plant in Loves Park, Illinois. Before StructureTec was called in, Cadbury was experiencing many problems. As a result, StructureTec was called to perform a StructureScan® survey to locate areas of energy loss and designate locations of apparent wet insulation on the roof surface. StructureTec’s goal in the StructureScan® survey was to observe that the repairs made to wet areas previously designated as numbers 1 through 14 were adequate, and that those areas contained no additional moisture within the insulation.
StructureTec Group

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NATIONAL ACCOUNTS:

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