

Facilities Services

Structural Engineering Diagnostics

- Visual Condition Assessment
- Nondestructive Testing
- Load Testing and Instrumentation
- Document Review
- Laboratory Testing and Examination
- Engineering Analysis
- Rehabilitation Plans and Specifications
- Bidding Assistance
- Construction Administration
- Field Testing/Monitoring of Repairs

Equipment/Specialized Testing

- Drone (Pave-AI and Roof IR)
- Zipline Topographic Surveys
- Vibration & Sound Monitoring
- Humidity and Temperature Monitoring
- Blower Door Testing - ASTM E779
- Ground Penetrating Radar

- Half-Cell Corrosion Potential Mapping
- Impact Echo
- Ultrasonic Pulse Velocity Testing
- Infrared Analysis
- Water Testing/Moisture/Water Infiltration/Intrusion
- Magnetic Particle Testing
- Petrographic Examination (through Terracon's Cincinnati laboratory)
- Ultrasonic Flaw and Thickness Measurements
- Crack Gauge Monitoring
- Slab Moisture Testing (RH probes & Calcium Chloride Slab Moisture Test)

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Facilities Consulting
Service Capabilities at Every Stage



[Terracon.com/Facilities](https://terracon.com/Facilities)

Facilities Services

Building Enclosure Consulting

(Roofs, Walls, and Waterproofing)

- Air Infiltration and Water Penetration Testing
- Commissioning Services (BECx and Cx)
- Drone Assessment/Rope Access
- Leak Investigation/Condition Assessments
- Performance Modeling/Testing
- Peer Review/Quality Assurance
- Remedial Design and Construction Administration
- ASTM E1105-15 – “Chamber Window Test”
- AAMA 501.2-15 – “Spray Wand Window Test
- ASTM E779-19 “Whole Building Air Leakage Test”
- ASTM E1186-22 – “Air Leakage Spot Check” (with smoke , infrared or the bubble gun)
- ASTM D4541-22 – Pull-off Strength (adhesion) of Coatings (weather barriers, air vapor)

Mechanical, Electrical, and Plumbing

- Mechanical, Electrical, and Plumbing (MEP) Assessments and Diagnostics
- MEP Design and Development
- Commissioning (Cx and Retro Cx)
- Indoor Air Quality Assessments
- Energy Audits/Performance Assessments
- Life Cycle Costing/Economic Analysis
- Building Pressurization Studies

Facility Assessment Services

- Property Condition Assessments (PCA)
 - Capital Reserve Analysis
- Accessibility (ADA/FHAA/ TDLR/ RAS)
- Pavement and Roofing Consulting/ Assessments

OVER
1B
SQUARE FEET
ASSESSED

ALL BUILDING
SYSTEMS
CURB TO
ROOFTOP

- Facility Condition Assessment (FCA)
 - Facility and Infrastructure Inventory
 - Life Cycle Planning/Service
 - Life Projections
 - Repair and Replacement and Budget Forecasting
- Construction Consulting Services (CCS)
 - Document and Cost Reviews
 - Construction Progress/Pay
 - Application Review

70+
REGISTERED
AND LICENSED
PRACTITIONERS
ACROSS THE
COUNTRY

220+
BUILDING
SPECIALISTS
NATIONWIDE