



## CHRISTOPHER B. COGAN, CDT SENIOR PROJECT MANAGER BUILDING SCIENCE SOLUTIONS

STARTED WITH INTERTEK: 2018 / YEARS IN INDUSTRY: 16

Chris has over 15 years of experience as a building enclosure consulting engineer. His work includes commercial, industrial, and residential building enclosure systems, including wall weather/air/vapor control layer systems, claddings, brick and stone masonry, low-slope and steep-slope roofing, vegetative roofing systems, fenestration systems, and waterproofing. He has extensive experience in forensics investigations and condition surveys of existing buildings; commissioning; review of design documents; design of new and restoration/repair systems; infrared thermography; Property Condition Assessments (PCA); and construction phase project management for new and existing building enclosure projects. Chris manages the Michigan operations of the Building Science Solutions group of Intertek.

### Project Experience

#### Toledo Zoo Museum of Science Re-Development, Toledo, OH

Building Enclosure Consulting—Project Manager / Engineer

- Complete remodel of the interior of the facility, new 10,000 square foot green house additions, and historic restoration of 1937 construction consisting of “weeping” mortar, stone masonry, clay tile, and copper.
- Services included initial investigation, design and construction documents for envelope restoration, and design reviews for the new additions.

#### Grainger, New Distribution Center, Louisville, KY

Building Enclosure Commissioning—Project Manager / Engineer

- New 1.2M square foot, distribution center
- Services included design reviews, shop drawing/submittal reviews, and site inspections.

#### Henry Ford Health System, New Cancer Pavilion, Detroit, MI

Building Enclosure Consulting —Project Manager / Engineer

- New 6 story, 187,000 square foot cancer pavilion consisting of glass curtain wall, insulated metal panels, brick masonry, cast stone, and EPDM membrane and vegetative roofing.
- Services included design reviews, shop drawing/submittal reviews, and site inspections.

#### Bloomfield Hills Schools, New Andover High School Addition, Bloomfield Hills, MI

Building Enclosure Commissioning—Project Manager / Engineer

- New 233,000 square foot, 2 story, addition to the existing Andover High School facility.
- Services included design reviews, shop drawing/submittal reviews, and site inspections.

#### St. Charles Mercy Health, Roof and Window Replacement, Oregon, OH

Building Enclosure Consulting—Project Manager / Engineer

- Replacement of over 20 roof areas and strip windows in the ICU over 2 years. New roofing included modular vegetated roofing systems.
- Services included loading analysis of roof deck, design and construction documents, shop drawing/submittal reviews, field testing, site inspections, and infrared thermography.

#### Wayne State University, Education Building Restoration, Detroit, MI

Building Enclosure Consulting—Project Manager / Engineer

- 4th floor historical restoration of exterior façade including new punched windows, pre-cast concrete and BUR roofing repairs.
- Services included leakage forensics investigation, design and construction documents, shop drawing/submittal reviews, and site inspections.

### Education

B.S. Construction Engineering and Mgmt  
Western Michigan University

### Certifications

Construction Documents Technologist  
(CDT)

### Practice Areas

Consulting	Commissioning
Investigations	Design Reviews
Inspections	Air/Vapor Barriers
Masonry	Waterproofing
Weatherproofing	Flashing Systems
Claddings	Fenestration
Roofing	Infrared Thermography
PCA	

### Associations

Building Enclosure Council (Detroit)  
Engineering Society of Detroit (ESD)  
Great Lakes Chapter of IIBEC  
ABA

