

### Ethan Field | Senior Associate



#### EXPERIENCE

Ethan Field is a registered professional engineer with extensive experience in the investigation, design, and repair of roofing and waterproofing systems. He also has significant experience with facade investigations and condition surveys for a variety of materials including brick masonry, concrete, EIFS, stone, and metal wall panels. Mr. Field's projects have also included design assist, construction phase services, quality control field testing services for new construction, and investigations of flooring and coating failures.

Prior to joining WJE, Mr. Field worked as a senior staff engineer in the Building Technology Division of Simpson Gumpertz & Heger, Inc.

#### REPRESENTATIVE PROJECTS

##### Roofing and Waterproofing

- 50+60 Binney Street and 100 Binney Street - Cambridge, MA: Design assist and construction phase services for roofing and plaza waterproofing systems, new construction\*
- Hynes Convention Center - Boston, MA: Plaza and expansion joint waterproofing reconstruction\*
- Park Square Building, - Boston, MA: Investigation, design, and low-slope roofing reconstruction with modified bitumen roofing\*
- Rocky Mountain Laboratory - Hamilton, MT: Low-slope roofing reconstruction with ethylene propylene diene monomer (EPDM)
- One Brattle Square - Cambridge, MA: Plaza waterproofing investigation, repair design, and construction administration\*
- Manulife Financial Building - Boston, MA: Hot-applied rubberized asphalt roofing reconstruction, including green roof areas\*
- Doubletree Hotel - Cambridge, MA: Roofing investigation, design, and reconstruction\*
- 332 Franklin Street - Cambridge, MA: Investigation, design, and construction administration for balcony waterproofing and flashing reconstruction\*
- APM Terminals Operations Building - Portsmouth, VA: Investigation of existing PVC roofing failure and field uplift testing of roofing assembly\*

##### Water/Air Leakage Assessment

- Stowe Mountain Lodge - Stowe, VT: Wall and balcony leakage investigation, repairs, and construction administration services\*
- John F. Kennedy Presidential Library and Museum - Boston, MA: Investigation of leakage through roof skylights\*
- Massachusetts Institute of Technology, Lincoln Laboratories - Lexington, MA: Investigation of leakage through precast concrete and curtain wall facade; design of repairs to address leakage\*
- 555 Canal Street - Manchester, NH: Investigation of leakage below atrium and planter waterproofing reconstruction\*

##### Facade Assessment

- Three Chapels, Brandeis University - Waltham, MA: Investigation of damage to ceramic-glazed brick masonry\*
- Mary Draper Pool House - Boston, MA: Investigation of moisture damage to brick masonry and laboratory testing of brick\*
- University of Connecticut - Storrs, CT: Condition assessment of masonry facades at multiple residential buildings; development of drawings for cost estimates\*
- 9 Farms Spring Road, Farmington, CT: Investigation and design of EIFS recladding system\*

##### Coatings

- Boston Convention and Exhibition Center - Boston, MA: Design of new floor coating system around custom trench drains\*
- Hawthorne Place - Boston, MA: Garage deck recoating and concrete surface repairs\*
- Mountain View Terrace - Stoneham, MA: Balcony deck coating and railing repairs\*

##### Flooring and Underlayments

- Four Seasons Hotel - Boston, MA: Investigation of damage to new shower floor tiles\*
- Harbor Community Health Center - Hyannis, MA: Investigation of blistering and damage to VCT flooring; developed repair program\*
- Needham High School - Needham, MA: Floor tile adhesion testing\*

*\*Indicates with previous firm*

#### EDUCATION

- Bucknell University
  - Bachelor of Science, Civil Engineering, 2002
- Northeastern University
  - Master of Science, Engineering Management, 2017

#### PRACTICE AREAS

- Roofing and Waterproofing
- Water/Air Leakage Assessment
- Facade Assessment
- Coatings
- Flooring and Underlayments

#### REGISTRATIONS

- LEED Green Associate
- Professional Engineer in MA and VT

#### PROFESSIONAL AFFILIATIONS

- ASTM International
- American Society of Civil Engineers (ASCE)
- Boston Society of Civil Engineers (BSCES)

#### TECHNICAL COMMITTEES

- ASTM D08 - Roofing and Waterproofing

#### CONTACT

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