

# Sushruth Keval

Associate

Mr. Keval assists our engineers and architects with investigating existing conditions, preparing drawings to illustrate design solutions, and construction administration for structural and exterior building façade components, including meeting minutes, field observation reports, and review of project submittals. Mr. Keval also aids in building envelope evaluations, research and condition assessments of architectural and structural components, and investigation of damage to structures from accidents, catastrophes, construction defects and other adverse conditions. His project experience includes façade inspections, non-destructive testing methods, building energy assessment, public and residential properties.

## Representative Project Experience

### Building Envelope Commissioning, Investigation and Repair

- Provide Façade Inspection Safety Program (FISP) inspections, report and repair recommendation drawings for Peter Cooper Village and StuyTown buildings.
- Building envelope investigation and repair for Warren Street Condominiums in Brooklyn.
- Preparation of building enclosure, waterproofing and fenestration drawings for the renovation of a historic townhouse.

### Surveying and Non-Destructive Testing

- Conducted spray water testing and probe review at numerous public schools for the New York City School Construction Authority.
- Conducted Ground Penetrating Radar (GPR) and Metal Detector scans to assess the structural stability of load bearing members.
- Assisted the unmanned aircraft system (drone) pilot in surveying condition of residential buildings.

### Structural Assessment and Design

- Evaluation of cracking, spalling, and deterioration of concrete structures.
- Design and construction administration of two buildings at Peter Cooper Village.
- Structural analysis of as-built conditions that differed from the original design.
- Conducted fence and balcony railing pull tests and performed structural calculations based on ASTM standards.



### Academic Credentials

Master of Science in Mechanical Engineering, Columbia University, New York, NY

### Licensure & Certifications

16-Hr Suspended Scaffold  
OSHA 10

### Contact Information

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