

## FAJAL CHOWDHURY

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### Professional Summary:

Detail-oriented and certified Special Inspector with proven expertise in foundational and superstructural inspections for mid and high-rise buildings. Proficient in enforcing NYC DOB, ICC, ACI, and ASTM standards. Holds key certifications including ACI CCSI, ACI Concrete Field-Testing Technician, ICC Structural Masonry, and ICC Structural Steel and Bolting. A highly adaptable professional skilled in conducting precise inspections, generating compliant reports, and ensuring structural integrity in fast-paced environments.

### Certifications:

- ACI Concrete Construction Special Inspector (CCSI)
- ACI Concrete Field-Testing Technician – Grade I
- ICC Structural Masonry Special Inspector
- ICC Structural Steel and Bolting Special Inspector

### Professional Experience:

Special Inspector | HRF Services Corp, New York, NY | September 2024 – Present

- Foundations & Piling: Inspect deep foundation elements, including various pile configurations and helical piles. Conduct and monitor pile load tests (compression, tension, lateral).
- Structural Steel & Bolting: Perform special inspections per NYC BC Chapter 17, ICC, and AISC standards. Verify material compliance (mill certs, heat numbers), inspect bolted connections (Snug-Tight, Pretensioned, Slip-Critical), and assess erection sequencing, plumbness, and anchor bolt installation.
- Cold-Formed Steel: Conduct specialized inspections of cold-formed steel framing with a high level of technical proficiency.
- Structural Masonry: Inspect per NYC BC and ICC criteria, verifying CMU/block units, mortar, grout placement, reinforcement, and anchors. Evaluate alignment, plumbness, and compliance with seismic and structural details.
- Reinforced Concrete: As an ACI CCSI, inspect reinforcement, formwork, embeds, and concrete placement per ACI 318 and DOB codes. Oversee concrete operations, including batch ticket verification, curing, and ASTM-compliant testing (slump, air, cylinders).
- Reporting & Compliance: Identify and document discrepancies (misalignment, fabrication defects, improper installations) according to NYC DOB protocols. Prepare

detailed, DOB-compliant inspection reports, discrepancy logs, and photo documentation.

**Technical Skills & Proficiencies:**

- Standards & Codes: NYC Building Code (Chapter 17), ICC Codes, AISC Standards, ACI 318, ACI 117, ASTM Standards
- Inspection Areas: Deep Foundations, Structural Steel & Bolting, Structural Masonry, Reinforced Concrete, Cold-Formed Steel
- Software: Microsoft 365, SAP2000
- Professional Skills: Plan & Drawing Interpretation, Quality Control/Assurance, Discrepancy Logging, Detailed Reporting, Team Collaboration

**Education:**

Associate's Degree (In Progress)

LaGuardia Community College | Long Island City, NY