City of Greensboro – SPECIAL INSPECTIONS FIELD TECHNICIAN QUALIFICATIONS (4 pages)

Designated Field Technicians shall meet the following minimum criteria of certification and/or documented experience. Work experience shall be related to the field and building system for which the inspector is being qualified and may be obtained by working either for an inspection/testing agency or engineering firm as a technician, inspector or engineer. Alternate qualifications may be acceptable subject to approval on a case by case basis.

The name and qualification of designated Field Technicians to be engaged for each category of inspection shall be identified on the Statement of Special Inspections. The Registered Design Professional in charge of Special Inspections shall be responsible for assuring and verifying that each Field Technician's credentials are current at all times when Special Inspections are being performed.

In the event that the Field Technician's qualifications are provisional, contingent on obtaining or renewing a certification, the certification shall be obtained before submittal of the Final Inspection Report. Should the certification not be obtained, the inspections results will not be accepted by the Greensboro Inspections Department.

Inspection of Structural Steel Fabricators; NCBC 1704.2

- Current AWS D1.1 Certified Welding Inspector; or
- Current Canadian Welding Bureau Certified Welding Inspector; or
- Current ICC Structural Steel and Welding certificate plus one year of related experience; or
- Current NDT Level II (along with in-house level III trainer's certificate) or Level III

Inspection of Pre-Cast Concrete Fabricators; NCBC 1704.2

- Current ICC Reinforced Concrete certificate; or Pre-Cast/Pre-Stressed Concrete Institute (PCI) Quality Control Technician/Inspector Level II certificate

Inspection of Engineered Wood Product Fabricators; NCBC 1704.2

- Professional Engineer registered in the State of North Carolina

Welding; NCBC 1704.3.1, Table 1704.3(4 & 5), and Table 1704.4(2)

- Current AWS D1.1 Certified Welding Inspector; or
- Current Canadian Welding Bureau Certified Welding Inspector; or
- Current ICC Structural Steel and Welding certificate plus one year of related experience; or
- Current NDT Level II (along with in-house level III trainer's certificate) or Level III or
- Engineer-In-Training (EIT) with one year related experience

High-Strength Bolting and Steel Frame Inspection; NCBC 1704.3.3 and Table 1704.3(1,2,3 & 6)

- Current ICC Structural Steel & Bolting certificate plus one year of related experience; or
- Engineer-In-Training (EIT) with one year related experience

Reinforced Concrete; NCBC 1704.4 and Table 1704.4

- Current ICC Reinforced Concrete Special Inspector certificate; or
- ACI Concrete Construction Special Inspector certificate; or
- Engineer-In-Training (EIT) with one year related experience

Pre-Stressed Concrete; NCBC Table 1704.4(9)

- ICC Pre-Stressed Concrete Certificate; or
- Pre-Cast/Pre-Stressed Concrete Institute (PCI) Quality Control Technician/Inspector Level II certificate; or
- Engineer-In-Training (EIT) with one year related experience

Pre-Cast Concrete Erection; NCBC Table 1704.4(10)

- Current AWS D1.1 Certified Welding Inspector; or
- Current Canadian Welding Bureau Certified Welding Inspector; or
- Current ICC Structural Steel and Welding Certificate plus one year of related experience; or
- Current NDT Level II (along with in-house level III trainer's certificate) or Level III; or
- Engineer-In-Training (EIT) with one year related experience

Post Tension Slabs-on-Ground and Post Tension Concrete; NCBC Table 1704.4

- Current Post-Tensioning Institute (PTI) Certification - Level 2; or
- Current ICC Prestressed Concrete Special Inspector certificate; or
- Engineer-In-Training (EIT) with one year related experience

Structural Masonry; NCBC 1704.5 and 1704.11

- Current ICC Structural Masonry certificate and one year of related experience; or
- Engineer-In-Training (EIT) with one year related experience

Modular Retaining Walls; NCBC 1704.5, 1807

- Current NICET Level II certificate in Geotechnical Engineering Technology/Construction; or
- Current NICET Level II soils certificate in Construction Materials Testing; or
- Current ICC Soils Special Inspector certificate; or
- Licensed Geologist with one year related experience; or
- Engineer-In-Training (EIT) with one year related experience; or
- Geologist-in-Training (GIT) with one year related experience

Wood Construction, NCBC 1704.6 and 1707.3

- Professional Engineer registered in the State of North Carolina

Verification of Soils; NCBC 1704.7, 1803, 1804

- Current NICET Level II certification in Geotechnical Engineering Technology/Construction; or
- Current NICET Level II soils certificate in Construction Materials Testing; or
- Current ICC Soils Special Inspector certificate; or
- Licensed Geologist with one year related experience; or
- Engineer-In-Training (EIT) with one year related experience; or
- Geologist-in-Training (GIT) with one year related experience

Excavation and Filling; NCBC 1704.7, 1803, 1806, 3304

- Current NICET Level II certificate in Geotechnical Engineering Technology/Construction; or
- Current NICET Level II soils certificate in Construction Materials Testing; or
- Current ICC Soils Special Inspector certificate; or
- Licensed Geologist with one year related experience; or
- Engineer-In-Training (EIT) with one year related experience; or
- Geologist-in-Training (GIT) with one year related experience

Deep Foundations and Helical Pile Foundations; NCBC 1704.8, 1704.9, 1704.10

- Current NICET Level II certificate in Geotechnical Engineering Technology/Construction; or
- Current NICET Level II soils certificate in Construction Materials Testing; or
- Federal Highway Administration – National Highway Institute Drilled Shafts Course Certificate and Driven Pile Foundations (Construction Monitoring) Course Certificate with one year related experience; or
- Licensed Geologist with one year related experience; or
- Engineer-In-Training (EIT) with two year related experience; or
- Geologist-in-Training (GIT) with two year related experience

Sprayed Fire-Resistant Materials, Mastic and Intumescent FR Coatings; NCBC 1704.12 and 1704.13

- Current ICC Spray-Applied Fire Proofing certificate; or
- Engineer-In-Training (EIT) with one year related experience

Exterior Insulation and Finish System (EIFS), NCBC 1704.14

- Professional Engineer or Architect registered in the State of North Carolina; or
- Association of the Wall and Ceiling Industry (AWCI) EIFS Inspector certificate

Special Cases; NCBC 1704.15

- Approval on a case-by-case basis

Detention Basin; NCBC 1704.15

- Professional Land Surveyor registered in the State of North Carolina; or
- Professional Engineer registered in the State of North Carolina

Smoke Control; NCBC 1704.16

- Certified as required in IBC Section 1704.14.2; OR
    - Copy of resume to include expertise in fire protection engineering, mechanical engineering and certification as air balancer – Air balancer certification may be one of the following:
        - AABC (Associated Air Balance Council)
        - TABB (Testing & Balancing Bureau)
        - NEBB (National Environmental Balancing Bureau)
        - NBI (National Balancing Council)
- Engineer of Record

Seismic and Wind Resistance; NCBC 1705, 1706, 1707, 1708 and 1710

- Professional Engineer or Architect registered in the State of North Carolina; or
- Any Assigned Field Technician working under the direct supervision of a qualified Special Inspector. The Special Inspector is to insure the assigned Field Technician is qualified to inspect the type of work being reviewed.

Design Strength of Materials; NCBC 1711

- Professional Engineer registered in the State of North Carolina

Alternative Test Procedures, NCBC 1712

- Professional Engineer registered in the State of North Carolina

Test Safe Loads, In-Situ Load Tests and Preconstruction Load Tests; NCBC 1713, 1714 and 1715

- Professional Engineer registered in the State of North Carolina

Material and Test Standards; NCBC 1716

- Professional Engineer registered in the State of North Carolina

GREENSBORO

ACCREDITED