THE CITY OF NEW YORK

DEPARTMENT OF DESIGN AND CONSTRUCTION

DIVISION OF PUBLIC BUILDINGS

30-30 THOMSON AVENUE
LONG ISLAND CITY, NEW YORK 11101

CONTRACT FOR
SPECIAL INSPECTIONS AND LABORATORY TESTING SERVICES

PW77198CT - 198 E161 ST - Cooling Tower Replacement - Special Inspection project.

Request For Information (RFI) Response Form

A. GENERAL INFORMATION

Provide (a) the company name and address; (b) the name, email address, and telephone number of the person authorized to represent the proposer.

Please insert your company's response here.

B. STAFFING PLAN and KEY PERSONNEL

STAFFING PLAN: The Respondent shall submit one Staffing Plan. The Staffing Plan shall only include personnel for the performance of consulting and/or technical services. The Staffing Plans shall not include any personnel who perform administrative, overhead and/or home office functions. In the space provided below, the Respondent shall identify the following: (1) Contract Executive, (2) Key Personnel, and (3) Other Personnel. For all specified personnel (except the Contract Executive), the Respondent shall indicate the total estimated hours per title. The total estimated hours per title must be in accordance with the Respondent's Project Schedule and shall not include any hours other than regular business hours (i.e., no evening, weekend or holiday hours). Each Staffing Plan must identify actual personnel the Respondent intends to provide for the duration of each Project.

TITLES: Staffing requirements are set forth on the following pages. Such staffing requirements specify the titles of personnel which the Consultant will be required to provide, through its own employees and/or through its Subconsultants. Any personnel provided by the Consultant and/or its Subconsultants must satisfy the Minimum Requirements Per Title set forth on the following pages.

ADDITIONAL TITLES: If an additional title(s) of personnel is required for a specific Project, the Commissioner shall establish the following: (1) additional required title(s), and (2) minimum requirements per title.

MINIMUM REQUIREMENTS PER TITLE: Minimum requirements per title are set forth on the following pages. In addition to requirements included in this Exhibit, any individual performing Special Inspection services must comply with the minimum qualification requirements per title established by the DOB. Such requirements are set forth in detail on the DOB website.

The Response may be considered non-responsive if the Respondent fails to identify Key Personnel who meet the minimum requirements per title.

Key Personnel Form

This form identifies the years of experience and professional licensure for Key Personnel and Other Personnel.

Contract Executive: The Respondent shall identify the Contract Executive. The Contract Executive shall serve as the Contractor's principal representative with respect to its obligations under the contract. The Contract Executive shall be responsible for providing, on an as needed basis, executive or management expertise and oversight with respect to the Projects.

Contract Executive
[insert name]

Key Personnel: The Respondent shall identify Key personnel for the Project. This means the team of specific personnel determined by the Respondent to be necessary for successful completion of the Project. Key Personnel shall provide services for the entire duration of the Project (Construction and Post Construction Phases). The Respondent shall indicate the total estimated hours per title. The total estimated hours per title shall not include any hours other than regular business hours (i.e., no evening, weekend or holiday hours).

The Respondent may add additional lines if necessary.

Title	Name	# Years Prof Experience	Professional Licensure	Total Est. Hours – Construction

Other Personnel: The Respondent shall identify Other Personnel for the Project. This means personnel who will provide services that are supportive or ancillary to the services provided by the Key Personnel. The Respondent shall indicate the total estimated hours per title. The total estimated hours per title shall not include any hours other than regular business hours (i.e., no evening, weekend or holiday hours).

The Respondent may add additional lines if necessary.

Title	Name	# Years Prof Experience	Prof Licensure	Total Est. Hours – Construction

Title	Name	# Years Prof Experience	Prof Licensure	Total Est. Hours – Construction

Certification: By signing in the space provided below, the Respondent certifies that (1) the individuals proposed as Key Personnel are currently employed by the Respondent, and (2) if the Respondent is selected for the Project, it will assign such individuals to the Project as Key Personnel for the entire duration thereof.

The Respondent understands that if it is selected for the Project, the City was induced to make such selection based upon the Respondent's certification that it will assign to the Project the individuals proposed as Key Personnel. The Respondent further understands that failure to provide such individuals as Key Personnel shall be considered a material breach of the Contract and grounds for termination for cause.

If the Respondent is unable to make the certification set forth above, it shall attach a signed statement indicating why it is unable to make the certification.

_____

Name of Respondent

By: _____ _____

Signature of Partner or Corporate Officer — Date

_____ _____

Printed Name — Title

_____ _____

Firm — EIN #

	Item	TITLE	Min No. Years of Experience
1		**ARCHITECTS**	
	1a	Registered Architect (Primary Inspector or Inspection Supervisor)	5
	1b	Architect (Supplemental Inspector (Alternative 1))	3

2		**ENGINEERS**	
	2a	NYS Professional Engineer (Primary Inspector or Inspection Supervisor) -- General Building Construction	5
	2b	NYS Professional Engineer (Primary Inspector or Inspection Supervisor) -- Fire Protection and Fire Resistance Construction	5
	2c	NYS Professional Engineer (Primary Inspector or Inspection Supervisor) -- Civil/ Structural/Geotechnical	5
	2d	NYS Professional Engineer (Primary Inspector or Inspection Supervisor) -- Plumbing and Mechanical Systems)	5
	2e	NYS Professional Engineer (Primary Inspector or Inspection Supervisor) -- Electrical/Fire Alarm, Emergency and Standby Power Systems	5
	2f	Engineer (Supplemental Inspector (Alternative 1)) -- General Building Construction	3
	2g	Engineer (Supplemental Inspector (Alternative 1)) -- Fire Protection and Fire Resistance Construction	3
	2h	Engineer (Supplemental Inspector (Alternative 1)) -- Civil/ Structural/ Geotechnical	3
	2i	Engineer (Supplemental Inspector (Alternative 1)) -- Plumbing and Mechanical Systems	3
	2j	Engineer (Supplemental Inspector (Alternative 1)) -- Electrical/Fire Alarm, Emergency and Standby Power Systems	3

3		**INSPECTORS**	
	3a	General Building Construction Primary Inspector (Wall Panels, Curtain Walls, and Veneers) – RA or PE Civil or Structural Engineering	5
	3b	General Building Construction Primary Inspector (EIFS, Chimneys, Flood Zone Compliance, Luminous Egress Path Markings and Class 3 Special Inspection (Small Projects)) – PE or RA	5
	3c	Fire Protection System and Fire-Resistant Construction Primary Inspector (Sprayed Fire-Resistant Materials and Mastic and Intumescent Fire- resistant Coatings, Fire-resistant Penetrations and Joints) -- PE or RA	5
	3d	Fire Protection System and Fire-Resistant Construction Primary Inspector (Smoke Contro Systems, Sprinkler and Standpipe Systems) -- PE Mechanical Engineering and/or Fire Protection	5
	3e	Electrical / Fire alarm Inspector (Fire Alarm test (when FDNY inspection not required) and Emergency and Standby Power Systems (Generators)) - PE or RA	5
	3f	Plumbing and Mechanical Systems (Mechanical Systems, Fuel-Oil Storage and Fuel-Oil Piping Systems, Private On-Site Storm Water Disposal Systems and Detention Facilities, and Individual On-Site Private Sewage Disposal Systems Installations) -- PE or RA	5
	3g	Plumbing and Mechanical Systems (Heating Systems) – RA or PE Mechanical Engineering	5

3h	Structural Materials and Construction Operations Inspector (Structural Steel Welding, High Pressure Steam Piping, High Temperature Hot Water Piping, High Pressure Gas Piping and Aluminum) – RA or PE and AWS certified or ICC-SWI	5
3i	Structural Materials and Construction Operations Inspector (Structural Steel Details and Structural Cold-form Steel) – RA or PE	5
3j	Structural Materials and Construction Operations Inspector (Structural Steel - High Strength Bolting) – PE Civil/Structural and ICC Certified	5
3k	Structural Materials and Construction Operations Inspector (Concrete – Cast-in-place and Precast) – RA or PE	5
3l	Structural Materials and Construction Operations Inspector (Prestressed Concrete) – PE Civil/Structural	5
3m	Structural Materials and Construction Operations Inspector (Shop Welding) – RA or PE and AWS certified or ICC-SWI	5
3n	Structural Materials and Construction Operations Inspector (Masonry) – PE or RA	5
3o	Structural Materials and Construction Operations Inspector (Wood Construction, Prefabricated Wood I-Joists, Inspector , Metal-Plated- Connected Wood Trusses , and High Load Diaphragms) – PE or RA	5
3p	Structural Materials and Construction Operations Inspector (Subsurface Conditions – Subgrade Inspection, Fill Placement in-place Density) – PE Geotechnical, Civil or Structural,	5
3q	Structural Materials and Construction Operations Inspector (Subsurface Investigations, Borings and Test Pits) – PE Geotechnical, Civil or Structural,	5
3r	Structural Materials and Construction Operations Inspector (Deep Foundations, Vertical Masonry Foundations and Underpinning) – PE Geotechnical, Civil or Structural,	5
3s	Structural Materials and Construction Operations Inspector (Structural Stability – Existing Buildings, Mechanical Demolition, and Raising or Moving of a Building) – PE Civil/Structural,	5
3t	Structural Materials and Construction Operations Inspector (Excavation – sheeting, shoring, and Bracing) – PE Geotechnical, Civil or Structural,	5
3u	Structural Materials and Construction Operations Inspector (Seismic Isolation Systems) – PE	5
3v	Structural Materials and Construction Operations Inspector (Post-Installed Anchors) – PE or RA	5
3w	General Building Construction Inspector (Wall Panels, Curtain Walls, and Veneers, Chimneys, and Class 3 Special Inspection (Small Projects)) -- Supplemental Inspector (Alternative 1)	3
3x	Fire Protection System and Fire-Resistant Construction Inspector (Sprayed Fire-Resistant Materials and Mastic and Intumescent Fire- resistant Coatings, Smoke Control Systems, Sprinkler and Standpipe Systems, Fire-resistant Penetrations and Joints) -- Supplemental Inspector (Alternative 1)	5
3y	Electrical Inspector (Emergency and Standby Power Systems (Generators)) - - Supplemental Inspector (Alternative 1)	5

3z	Plumbing and Mechanical Systems (Mechanical Systems, Fuel-Oil Storage and Fuel-Oil Piping Systems, Heating Systems, Private On-Site Storm Water Disposal Systems and Detention Facilities, and Individual On-Site Private Sewage Disposal Systems Installations) -- Supplemental Inspector (Alternative 1)	3
3aa	Structural Materials and Construction Operations Inspector (Structural Steel Welding, High Pressure Steam Piping, High Temperature Hot Water Piping, High Pressure Gas Piping and Aluminum, Structural Steel Details and Structural Cold-formed Steel) -- Supplemental Inspector (Alternative 1)	3
3ab	Structural Materials and Construction Operations Inspector (Concrete – Cast-in-place, Precast and Prestressed Concrete) – Supplemental Inspector (Alternative 1)	3
3ac	Structural Materials and Construction Operations Inspector (Masonry) – Supplemental Inspector (Alternative 1)	3
3ad	Structural Materials and Construction Operations Inspector (Subsurface Conditions – Fill Placement in-place Density, Subsurface Investigations, Borings and Test Pits) – Supplemental Inspector (Alternative 1)	3
3ae	Structural Materials and Construction Operations Inspector (Deep Foundations, Vertical Masonry Foundations and Underpinning, Structural Stability – Existing Buildings, Mechanical Demolition, Raising and Moving of a Building, Excavation – Sheeting, Shoring, and Bracing) – Supplemental Inspector (Alternative 1)	3
3af	Structural Materials and Construction Operations Inspector (Seismic Isolation Systems and Post-installed Anchors) – Supplemental Inspector (Alternative 1)	3
3ag	General Building Construction Inspector (Wall Panels, Curtain Walls, and Veneers, EIFS, Chimneys, Luminous Egress Path Markings and Class 3 Special Inspection (Small Projects))) -- Supplemental Inspector (Alternative 2)	3
3ah	Fire Protection System and Fire-Resistant Construction Inspector (Sprayed Fire-Resistant Materials and Mastic and Intumescent Fire- resistant Coatings, Smoke Control Systems, Sprinkler and Standpipe Systems, Fire-resistant Penetrations and Joints) -- Supplemental Inspector (Alternative 2)	3
3ai	Plumbing and Mechanical Systems (Mechanical Systems, Fuel-Oil Storage and Fuel-Oil Piping Systems, Heating Systems) -- Supplemental Inspector (Alternative 2)	3
3aj	Structural Materials and Construction Operations Inspector (Structural Steel Welding, High Pressure Steam Piping, High Temperature Hot Water Piping, High Pressure Gas Piping and Aluminum, Structural Steel Details, Structural Steel - High Strength Bolting and Structural Cold-formed Steel) - - Supplemental Inspector (Alternative 2)	3
3ak	Structural Materials and Construction Operations Inspector (Concrete – Cast-in-place, Precast and Prestressed Concrete) – Supplemental Inspector (Alternative 2)	3
3al	Structural Materials and Construction Operations Inspector (Masonry) – Supplemental Inspector (Alternative 2)	3
3am	Structural Materials and Construction Operations Inspector (Wood Construction, Prefabricated Wood I-Joists, Inspector , Metal-Plated-Connected Wood Trusses , and High Load Diaphragms) – Supplemental Inspector (Alternative 2)	3
3an	Structural Materials and Construction Operations Inspector (Subsurface Conditions – Fill Placement in-place Density, Subsurface Investigations, Borings and Test Pits) – Supplemental Inspector (Alternative 2)	3

3ao	Structural Materials and Construction Operations Inspector (Deep Foundations and Excavation – Sheeting, Shoring, and Bracing) – Supplemental Inspector (Alternative 2)	3
3ap	Structural Materials and Construction Operations Inspector (Post-installed Anchors) – Supplemental Inspector (Alternative 2)	3
3aq	Non Destructive Ultrasonic/Magnetic/Penetration (Dye) Testing Inspector	3
3ar	Non Destructive Shop Ultrasonic/Magnetic/Penetration (Dye) Testing Inspector	3
3as	Concrete Coring technician	3
3at	Concrete Batch Plant Technician	3
3au	Concrete Field Technician, ACI 1 (American Concrete Institute Level 1)	3
3av	Concrete Non Destructive Testing Technician	3
3aw	Asphalt batch Plant Inspector	3
3ax	Asphalt Field Inspector	3
3ay	Compaction Technician	3
3az	Radiographic Testing Technician	3
3ba	Progress Inspection Inspector (Preliminary)	5
3bb	Progress Inspection Inspector (Footing and Foundation, Lowest Floor Elevation, Structural Wood Frame and Fire-Resistance Rated construction)	5
3bc	Progress Inspection Inspector (Energy Code Compliance, Public assembly Emergency Lighting and Final)	5
3bd	Land Surveyor for Lowest Floor Elevation (Registered LS)	5

4	**NOISE CONTROL**	
4a	Noise Consultant (approved by DEP - As per Rules of NYC Title 15 DEP 29- 10 - http://72.0.151.116/nyc/rcny/Title15_29-101.asp)	7
4b	Sound Level Inspector – (B.S. in science or engineering with at least four years of experience measuring sound levels utilizing the ANSI standards)	4

B.1. Key Personnel Resumes and Licenses/Certifications

Please provide resumes for each Key Personnel detailing the individual's technical qualifications, area of expertise, and years of experience. Resumes must demonstrate required years of experience and professional licensure. All resumes must be included in RFI Response Form.

Please insert your company's response here.

B.2. Key Personnel Certification

Proposer affirms that all Key and Other Personnel proposed listed on the Identification of Key Personnel form meet the minimum requirements for each title.

Note: Proposing any candidate that does not meet the minimum qualification may result in a finding of non-responsiveness.

Signature: _____ Title: _____
(Principal or Corporate Officer)

Date: _____

C. PROJECT EXPERIENCE AND PAST PERFORMANCE

Include a brief history and philosophy of the firm, the overall organization of the firm, and a statement of the firm's goals and objectives.

Please insert your company's response here.

C.1. Demonstration Projects

To demonstrate that the proposing firm has the project experience and record of performance required to provide Special Inspections and Laboratory Services for projects of the size, complexity, and budget assigned under this Contract. Provide (2) example projects completed within the last ten years, which demonstrate the proposing firm has the project experience and record of performance required to provide Special Inspections and Laboratory Services for projects of the size, complexity, and budget assigned under this Contract, visual and written materials.

Please insert your company's response here.

C.2. Registration with Department of Buildings

The proposer shall submit documentation demonstrating that it has registered with Department of Buildings (DOB) as a Special Inspection Agency for all Special Inspection categories and classes.

Accreditation: The proposer shall submit documentation demonstrating that it has been accredited as a Class 1 Special Inspection Agency by the International Accreditation Service (IAS) or by an equivalent accreditation agency accrediting to the standards set forth in DOB rules and AASHTO for ASTM E329-07, ASTM C1077, ASTM D3666, ASTM D3740, and ASTM C1093 or by a federal agency.

All documents must be submitted as a single PDF file.

Please insert your company's response here and also separately provide any additional documents in .pdf format.

C.3. Laboratory Testing Services

The proposer shall identify the laboratory to be used for testing services. The proposer shall provide a description of previous work which demonstrates the laboratory's ability to provide quality testing services similar in scope and type to the services applicable to this RFI. The laboratory must have a record of successful performance of such services for the past three years.

The proposer shall submit documentation demonstrating the laboratory's compliance with the criteria set forth below:(1) The laboratory has been licensed by the DOB as a "Concrete Testing Laboratory", in accordance with the requirements of the N.Y.C Building Code.(2) The laboratory must be accredited for all relevant scopes of work listed in the RFI Memo and Contract Provisions document. Accreditation must be from: a) AASHTO re:source (formerly AMRL), or b) National Voluntary Laboratory Accreditation Program (NVLAP), or c) American Association of Laboratory Accreditation (A2LA).

Please insert your company's response here.

Laboratory Name: _____

D. PROPOSED APPROACH

To demonstrate that the firm has the organizational structure and QA/QC procedures to provide Special To demonstrate that the firm has the organizational structure and QA/QC procedures to provide Special Inspection and Laboratory services for projects of the size, complexity, and budget assigned under this Contract, the following shall be described in a maximum of two (2) pages:

- Appropriate organizational structure
- Meeting construction schedules
- Quality control and assurances
- Responsiveness to client concerns. This should include relevant methodology, innovative methods and project management techniques.

Please insert your company's response here.

E. FINANCIAL RESPONSE

The respondent shall submit all schedule of unit prices, staffing expenses and the overall fee proposal for this project. Proposer shall include the following required documentation in the sections below.

Schedule of Unit Prices for Testing and/or Laboratory Services

Services on a Unit Price Basis: The Consultant shall provide the testing and/or laboratory services set forth in this Exhibit for the unit prices set forth herein.

Expenses Included in Unit Prices: The expenses that are deemed included in the unit prices for testing and/or laboratory services are set forth below, except as otherwise expressly stated in this Exhibit. The Consultant shall not be entitled to any mark-up on the unit prices set forth in this Exhibit. For each item of testing and/or laboratory services set forth in this Exhibit, the Consultant shall provide the services and/or equipment described below, even though such services and/or equipment are not stated in the description of the item.

(1) All expenses incurred by the Consultant and/or its Subconsultant(s) in connection with performing the specified testing and/or laboratory services, including without limitation, expenses for the following:

(a) Performance of the specified services by qualified professional personnel (i.e., Engineer, operator, technician, etc.)
(b) Preparation of all required forms, applications, documentation and/or reports for filing with the DOB, including without limitation, Technical Reports (TRs) and any other required reports of testing and/or laboratory services. DDC will file with the DOB.
(c) Gathering the sample, and transporting and/or handling the sample
[Note: In Items 3(a) and 5(a), a separate unit price is provided for sampling services. In Item 12(a), sampling services are expressly included in the description of the item. This shall not be construed to mean that sampling services are not required for other items set forth in this Exhibit, or that expenses for such sampling services are not deemed included in the Unit Prices for such items.]
(d) Material consumed in the test
(e) Equipment to perform the test, including calibration, set up, maintenance and cleaning
(f) Providing Preliminary Laboratory Test Report summarizing the results of the tests
(g) Preparing Final Report with appropriate backup documentation interpreting and/or analyzing the results of the test. If required by law, rule or regulation, or if requested by DDC, such Final Report must be signed and sealed by a Professional Engineer licensed in N.Y.

(2) All expenses related to supervision, management, oversight and quality control

procedures

(3) All expenses related to providing the non-reimbursable items and/or services set forth in Article 6 and Exhibit C.

(4) All expenses related to overhead, including insurance, and any anticipated profit

Non-Regular Business Hours: In the event the Consultant performs services on a unit price basis during non-regular business hours, the Unit Prices set forth in this Exhibit D shall not be subject to an increase for such services.

SCHEDULE OF UNIT PRICES FOR TESTING AND/OR LABORATORY SERVICES

For all applicable inspections/tests, list the relevant code section, number of units that will be required for this project and the subtotal in the table below. Delete any inspections/tests that are not applicable to the current project.

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
1	**STRUCTURAL STEEL – ERECTION & BOLTING**					
1a	Laboratory Testing - Testing of Cable Fittings		Per Test	$538.20		
2	**STRUCTURAL STEEL – COUPONS**			$0.00		
2a	First Coupon Laboratory Chemical Analysis (Cutting to be done by Resident Engineer)		First Coupon	$439.88		
2b	Laboratory Chemical Analysis of Additional Coupons		Each Additional Coupon	$377.78		
3	**MASONRY SERVICES**			$0.00		
3a	Sampling		Per sample	$25.88		
3b	Brick Absorption Laboratory Test (ASTM-C 140)		Per Test	$113.85		
3c	Brick Compression Laboratory Test (ASTM-C 140)		Per Test	$77.63		
3d	Mortar Compression Test (ASTM-C 109), including providing molds, pick-up, testing, etc.		Per Test	$43.47		
3e	Mortar to Masonry Unit Bond Strength Laboratory Test (ASTM C 952-86)		Per Test	$85.91		
3f	Masonry Block Compression Laboratory Test (NCMA75)		Per Test	$80.73		
3g	Prism 4" Block		Per Test	$181.13		
3h	Prism 8" Block		Per Test	$181.13		
3i	Field Test - Air Content (ASTM C 780)		Per Test	$43.47		
3j	Field Test - Aggregate Ratio test (ASTM C 780)		Per Test	$53.82		
3k	Field Test - Water Absorption Test (ASTM C 780)		Per Test	$60.03		
4	**SOILS – FILL PLACEMENT & IN-PLACE DENSITY**			$0.00		

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
4a	Laboratory Testing - Sieve Test of Fine & Course Aggregates (ASTM-C 136)		Per Test	$119.03		
4b	Laboratory Testing - Test for Materials Finer than #200 Sieve by Washing (ASTM-C 117)		Per Test	$119.03		
4c	Laboratory Testing - Soils Moisture - density Relations test, ASTM-D 1557		Per Test	$119.03		
4d	In-Place Field Density Test		Per Test	$119.03		
5	**SOIL SERVICES**			$0.00		
5a	Soil sampling		Per Sample	$113.85		
5b	Proctor Laboratory Test (ASTM-D 1557, Method C)		Per Test	$181.13		
5c	Soil Classification Laboratory Test (ASTM-D 2487)		Per Test	$113.85		
5d	Gradation Laboratory Test (ASTM-D 422, including hydrometer)		Per Test	$124.20		
5e	California Bearing Ratio Laboratory Test (ASTM- D 1883)		Per Test	$181.13		
5f	Atterberg Limits Laboratory Test (ASTM-D 4318)		Per Test	$181.13		
5g	Field Percolation Test		Per Test	$227.70		
5h	Organics Laboratory Test (ASTM-D 2974)		Per Test	$181.13		
5i	Vibration Monitoring (including monitor)		Per Day	$522.68		
6	**SPRAYED FIRE-RESISTANT MATERIALS**			$0.00		
6a	Laboratory Test - Density Testing of Fireproofing Material		Per Test	$67.28		
6b	Laboratory Test - Adhesion/Cohesion Test		Per Test	$67.28		
7	**SOIL PERCOLATION TEST - DRYWELL**			$0.00		
7a	Percolation Tests			$0.00		
	For 15 ft. Pit Depth		Per Test	$455.40		
	For 25 ft. Pit Depth		Per Test	$481.28		
	For 50 ft. Pit Depth		Per Test	$512.33		
	For 75 ft. Pit Depth		Per Test	$543.38		
	For 100 ft. Pit Depth		Per Test	$595.13		
	For 125 ft. Pit Depth		Per Test	$657.23		
	For 150 ft. Pit Depth		Per Test	$740.03		
8	**SOIL PERCOLATION TEST - SEPTIC**			$0.00		
8a	Percolation Tests			$0.00		
	For 15 ft. Pit Depth		Per Test	$455.40		

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
	For 25 ft. Pit Depth		Per Test	$481.74		
	For 50 ft. Pit Depth		Per Test	$512.82		
	For 75 ft. Pit Depth		Per Test	$543.90		
	For 100 ft. Pit Depth		Per Test	$595.70		
	For 125 ft. Pit Depth		Per Test	$657.86		
	For 150 ft. Pit Depth		Per Test	$740.74		
9	**CHIMNEYS**			$0.00		
9a	Smoke Test		Per Test	$295.26		
10	**CONCRETE - TEST CYLINDERS***			$0.00		
10a	Concrete Test Cylinders, including providing molds and curing boxes, testing, etc.		Test Per Cylinder	$36.26		
10b	Concrete Test Cylinders pick-up (per trip)		Pick-up per Trip	$113.96		
11	**CONCRETE CORES**			$0.00		
11a	Mobilization and Demobilization (Amount per call out)		Amount per Call-Out	$559.44		
11b	Drilling to obtain a core, per inch of length (ASTM-C42) - 3 inch diameter core		Per Inch of Length	$17.61		
11c	Drilling to obtain a core, per inch of length (ASTM-C42) - 4 inch diameter core.		Per Inch of Length	$17.61		
11d	Drilling to obtain a core, per inch of length (ASTM-C42) - 6 inch diameter core.		Per Inch of Length	$22.79		
11e	Sawing, capping, curing, and testing (ASTM-C42)		Per Core	$113.96		
12	**CONCRETE DESIGN MIX**			$0.00		
12a	Sample material, run gradation, specify gravity soundness and wear tests, run four (4) mixes per ACI 318 (4 point curve), perform slump, air and unit weight tests, cast, cure and test cylinders		Per Design Mix	$1,222.48		
12b	Perform 12a, plus test aggregates for gradations and specific gravity		Per Design Mix	$1,341.62		
12c	Perform 12a and 12b, plus run a proof mixture of contractor's design, perform slump, air and unit weight tests, cast, cure and test 6"x12" cylinders		Per Design Mix	$1,709.40		
12d	Visually examine contractor's design mix submittal for conformance to contract documents and Building Code.		Per Design Mix	$388.50		
13	**CONCRETE, CEMENT AND MORTAR LABORATORY TEST CORES**			$0.00		
13a	Petrographic Analysis - Chemical - ASTM C1084		Per Sample	$1,823.36		
13b	Petrographic Analysis - Microscopic - ASTM C1084		Per Sample	$1,823.36		
14	**ASPHALT INSPECTION SERVICES**			$0.00		
14a	Extraction and Gradation		Per Test	$295.26		

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
15	**ADDITIONAL TESTS**			$0.00		
15a	Windsor Probes (ASTM 803), Set of three (3)		Per Test for Set of Three (3)	$129.50		
15b	Floor Moisture		Per test	$181.30		
15c	Chloride Testing		Per Test	$108.78		
15d	Microwave Testing (AASHTO T318)		Per Test	$108.78		
15e	Floor Flatness/Levelness (F meter) Testing		Per Test	$890.96		
15f	Hydrostatic Test		Per Test	$445.48		
15g	Smoke Control Systems		Per Test	$932.40		
15h	Mechanical Systems		Per Test	$466.20		
15i	Fuel Oil Storage and Piping Systems		Per Test	$362.60		
15j	High Pressure Steam and High Temperature Water Piping		Per Test	$362.60		
15k	High Pressure Fuel Gas Piping		Per Test	$362.60		
15l	Emergency & Standby Power Systems (Generators)		Per Test	$1,036.00		

Special Testing Equipment

Payment for rental of the special testing equipment set forth below, including the cost of operator labor, shall be through the Allowance for Reimbursable Services as set forth in Article 7.

	Item	
1	**SPECIAL EQUIPMENT**	
	1a	Radiographic Film
	1b	Ultrasonic Equipment (S meter) (ASTM C 597)
	1c	Magnetic Particle Equipment
	1d	Eddy Current Equipment
	1e	Radiographic Equipment
	1f	Microwave Test Equipment (per AASHTO, TP23)
	1g	GPR (Ground Penetrating Radar)

Schedule of Unit Prices for Progress Inspections – Energy Code Compliance

Services on a Unit Price Basis: The Consultant shall provide the Progress Inspections set forth in this Exhibit for the unit prices set forth herein.

Expenses Included in Unit Prices: The expenses that are deemed included in the unit prices for Progress Inspections are the expenses set forth below. The Consultant shall not be entitled to any mark-up on the unit prices set forth in this Exhibit.

(a) All expenses incurred by the Consultant and/or its Subconsultant(s) in connection with performing the specified progress inspections, including without limitation: (1) expenses for performance of the inspection and/or test by qualified professional personnel, and (2) expenses for the preparation of all required forms, applications, documentation and/or reports for filing with the DOB, including without limitation, Technical Reports (TRs) and any other required reports of inspections and/or tests. DDC will file with the DOB.
(b) All expenses related to management and oversight, including, without limitation, any time spent by principals performing such duties
(c) All expenses related to providing the non-reimbursable items and/or services set forth in Article 6 and Exhibit C.
(d) All expenses related to overhead, including insurance, and any anticipated profit

Non-Regular Business Hours: In the event the Consultant performs services on a unit price basis during non-regular business hours, the Unit Prices set forth in this Exhibit F shall not be subject to an increase for such services.

SCHEDULE OF UNIT PRICES FOR PROGRESS INSPECTIONS – ENERGY CODE COMPLIANCE

For all applicable inspections/tests, list the relevant code section, number of units that will be required for this project and the subtotal in the table below. Delete any inspections/tests that are not applicable to the current project.

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
1	ENERGY CODE COMPLIANCE INSPECTIONS					
1a	Protection of exposed foundation insulation		Per Inspection	$362.60		

ITEM #	ITEM	CODE SECTION	UNIT	UNIT PRICE ($)	# UNITS	SUBTOTAL ($)
1b	Insulation placement and R values		Per Inspection	$362.60		
1c	Fenestration u-factor and product ratings		Per Inspection	$362.60		
1d	Fenestration air leakage		Per Test	$932.40		
1e	Fenestration areas		Per Inspection	$362.60		
1f	Air sealing and insulation - visual		Per Inspection	$362.60		
1g	Air sealing and insulation - testing		Per Inspection	$932.40		
1h	Projection factors		Per Test/Inspn	$1,139.60		
1i	Loading deck weather seals		Per Inspection	$362.60		
1j	Vestibules		Per Inspection	$362.60		
1k	Fireplaces		Per Inspection	$362.60		
1l	Shutoff Dampers		Per Inspection	$362.60		
1m	HVAC and service water heating equipment		Per Inspection	$362.60		
1n	HVAC and service water heating system controls		Per Inspection	$362.60		
1o	HVAC insulation and sealing		Per Inspection	$362.60		
1p	Duct leakage testing		Per Test/ Inspn	$1,139.60		
1q	Electrical energy consumption		Per Inspection	$362.60		
1r	Lighting in dwelling units		Per Inspection	$362.60		
1s	Interior lighting power		Per Inspection	$362.60		
1t	Exterior lighting power		Per Inspection	$362.60		
1u	Lighting controls		Per Inspection	$362.60		
1v	Exit signs		Per Inspection	$362.60		
1w	Electrical motors and elevators		Per Inspection	$362.60		
1x	Maintenance information		Per Inspection	$362.60		
1y	Permanent certificate		Per Inspection	$362.60		
1z	Electrical vehicle service equipment requirements		Per Inspection	$362.60		

F. Fee Proposal

Note: The proposers shall provide direct salary rates for all individuals identified on the staffing plan. The total amount for Scope of Services must not exceed $ 193,485.86.

Task Description	Name	Title	Direct Salary Rate (per hour)	Total Estimate Hours	Total Estimated Amount
Total Estimated Amount for All Titles					
Multiplier					
Total Estimated Staffing Expenses with Multiplier					
Total Contract Amount (Unit price + Staffing Expenses)					

The Respondent shall sign its Fee Proposal in the space provided below.

_____
Name of Respondent

By: _____ _____
Signature of Partner or Corporate Officer — Date

_____ _____
Title — Printed Name

_____ _____
Firm — EIN #