



**ACCURATE BUILDING INSPECTORS®**

Division of Ubell Enterprises, Inc.

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**On the Web:**

[www.Ubell.com](http://www.Ubell.com)

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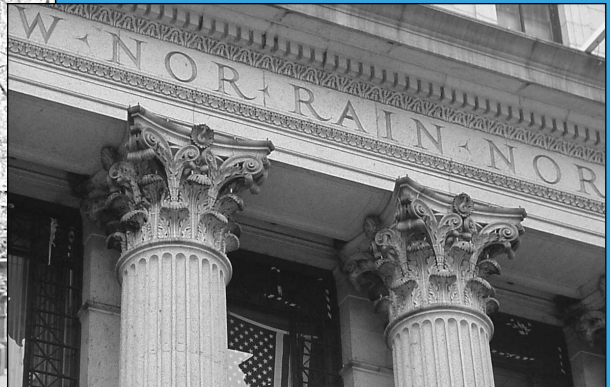
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designed by **in3**

*Service and  
Testing Schedule  
2002  
Catalogue 5.0*

*Dedicated to*



**Quality and Safety**



*in Housing*



*and Construction®*

*Since 1961*



**ACCURATE BUILDING INSPECTORS®**



LICENSED INSPECTORS: Connecticut  
Massachusetts  
New Jersey (Pending)  
MEMBER: American Society of Home Inspectors (ASHI)

Buying a house, co-op, condominium, office building or institutional property is a major investment. Whether the selling price is fifty thousand or fifty million, a poorly informed choice may prove costly.

To prevent an unfortunate decision, a full evaluation of the property's major components - roof, basement, electricity, plumbing, heating, etc. - is critical. A building is not a simple structure. Hidden behind walls, under the floors, in dark corners of basements and crawl spaces are electrical wires, pipes, boilers, meters and boxes of all sizes, shapes and types.

- What are these items?
- What do they do?
- Are they dangerous?
- How do they work?
- How long will they last?
- Do I have to replace any of them?

The average real estate agent, broker or lawyer, while professional and competent, may not have the knowledge, training or know-how to give you the right answers to these and many other questions. The professional home inspector does.

In 1961, Alvin Ubell, a construction superintendent, established Accurate Building Inspectors® (ABI). He, together with home inspectors/principals Lawrence Ubell and Matthew Barnett, have more 80 years of practical and technical experience in all phases of the building, construction and home inspection industries. Accurate Building Inspectors® is one of New York State's most prestigious building inspection firms, performing nearly 1,000 inspections a year. Only the principals are authorized to perform inspections.

During an inspection we check the operating condition, age and maintenance of all physical, mechanical, heating, ventilation, sewage, drainage systems, as well as the roof, attic, exterior facade, insulation, foundation for seepage of water and major environmental concerns\*\* – anything that would be of value to the prospective home or building owner. We then submit a confidential written report (18-25-plus pages, unbiased, essay-style) with pertinent pictures to the buyer.

Each building or house has built-in advantages and drawbacks. Older structures have historic grace and charm but may need renovation. Newer structures offer excellent safety features, design quality and reduced maintenance. Each ABI inspector must check the home or building against a comprehensive itemized list, containing more than 3,000 conditions. Armed with our comprehensive report buyers can make an educated and wise decision concerning the purchase of property.

Our report becomes a vital checklist when you decide to expand, redecorate or reconstruct your property *f* now or five years from now, outlining the property's strong and the weak features as of the date of the inspection.

Accurate Building Inspectors® offers a full line of services to aid architects, engineers, buyers and their attorneys in the purchase of any real estate property. We have the know-how to identify the attributes or problems of any home, commercial, industrial building, or undeveloped property. (See Catalog)

We represent investors, banks, insurance companies, law firms, architects, engineers, national and international corporations and foreign legations. At the request of many of our attorney clients, Accurate Building Inspectors® has expanded its services in providing expert testimony on construction and safety issues for both plaintiffs and defendants.

Accurate Building Inspectors® is an independent firm, not affiliated with any real estate agency, attorney, contracting company, builder or vender.

Our goal is to provide our clients with the most detailed, highest quality, objective and ethical services and reports in the inspection industry.

\*\*Check Catalog & Fee Schedule for Special & Extensive Laboratory, Physical Tests and Examinations.

Toll Free: 1-800-640-8285

[www.Ubell.com](http://www.Ubell.com)

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## BUILDING & HOME INSPECTIONS



### LEVEL I INSPECTION

Structures located within the 5 boroughs of New York City and Nassau County:

#### RESIDENTIAL

One Family House	*** \$650.00
Two Family House	*** \$700.00
Cooperative Unit & Condominium Unit	*** \$750.00

#### COMMERCIAL

(All commercial properties must receive an exact quote from our office)

Hotels	*** \$850.00
Industrial Properties	*** \$900.00
Commercial Properties	*** \$900.00
Multiple Dwellings	*** \$800.00

(\*\*\* = Minimum Fee Or 1/10 of 1% Of The Selling Price Of The Property , Which Ever Is Greater.)  
Manhattan Surcharge (all inspection) \$ 50.00

#### ENVIRONMENTAL TESTING

Radon, Asbestos, Water, Air & Lead Testing fees upon request

#### FREE CONSULTATION

1 & 2 Family Clients, are entitled to FREE Telephone consulting service on the home we inspected for as long as they own the inspected house.

### MILEAGE CHARGES

Structures located outside of New York City & Nassau County:

Suffolk County, N  
East to Sagtikos State Parkway \$ 50.00  
To Montauk fees upon request

Lower Westchester County, NY  
North to Westchester Expressway \$ 50.00

Other Locations  
Upstate New York, New Jersey, Connecticut, Pennsylvania and any location in the United States and Canada. fees upon request

### FEES FOR OTHER SERVICES

Consultation (1 hour min.)	\$650.00
Each Add	\$200.00
Appointment not honored	\$300.00
Additional copies of report	\$ 50.00
Reports Can Be Produced In Large Font (16pts) On Request	(Free)

Owner Disclosure Reports  
 Construction Advisor  
 Construction Inspection  
 Construction Specification Writing  
 Copies of Investigation Photographs  
 Legal Services  
 Photographic Documentation  
 Restoration Consultation  
 Expert Testimony  
 Lectures fees upon request  
 Payment Method: Cash, Check, Credit Card



### GENERAL CONDITIONS & TERMS

Fees and services in this catalog are subject to change or cancellation without notice!!

Special rates will be quoted upon request for large volume work or for services not listed or priced (\*). Rates are based on work performed during regular hours, office/laboratory.

Additional charge for field work:

\$400 for the 1st field hour, for each Technician, plus \$200 for each additional hour thereafter, plus \$50 surcharge for Manhattan. A 50% surcharge will be added for any and all work performed on Saturdays, Sundays, Bank and Legal Holidays, and after 5:00 p.m.

Travel time will be charged at \$75.00 per travel hour for out of town assignments.

The charge for transportation (auto) is \$2.00 per mile, plus tolls,

\* Reports can be submitted to you Via USPS, Express mail, Fax, or digitally on floppy, or by Email, in ASCII code, ASCII Dos Text, AppleWorks, MacWorks, MuliMate, PerfectWord, Unix, WordPro, WordPerfect, MSword and WordStar formats.

for out of town assignments.

Lodging & meals will be charged separately, on a per diem bases. Telexes, faxes, packing, postal, freight, & courier services will be charges separately if they exceed \$10.00.

Payments are due within 10 days of the date of the invoice.

All samples and specimens will be retained for 30 days and then disposed of, unless otherwise requested by client. An extension is available at extra charge upon written request.

The minimum charge for issuing a laboratory certificate is \$75.00.

### DEDUCTION CERTIFICATES

If a fee is quoted that it is less than the published fee, as shown in our catalog, any and all certificates, reductions or promotional requests, will not be honored!!!

Multiple certificate use is invalid.



CONSTRUCTION MANAGEMENT



185 River Rd., Yonkers, NY



422 W. 72nd St., New York, NY



W. 104th St., New York, NY



29 Woodhull St., Brooklyn, NY



50 W. 106th St., New York, NY



Seymore Fabrics, Westbury, NY



2209 Knapp St., Brooklyn, NY



Dr. Newhouse Office, Brooklyn, NY



307 W. 57th St.,  
New York, NY



Church of the Incarnation,  
New York, NY



1860 Bath Ave., Brooklyn, NY



2277 Homecrest Ave., Brooklyn, NY



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## SERVICES FOR THE LEGAL PROFESSION RESEARCH & DEVELOPMENT



### CONSTRUCTION OF BUILDINGS, HOMES, CONDOS, INDUSTRIAL BUILDINGS, HOTELS, ETC.

- Additional Copies of Investigation Photos  
(First 30 - \$300.00, Each Additional - \$6.50)
- Archive Search (ABI)
- Enlargements From Negatives\*
- Accident Investigation\*\*
- Accident Reconstruction\*\*
- Americans With Disability Act USA, NYC, NYS
- Architectural Photography
- Architectural Traps\*\*
- Architectural Merchandising Traps\*\*
- Architectural Drafting & Orthographic Projections\*\*
- Bureau of Highway Operations: Title 19 NYC  
Rules & Regulations Department of Transportation
- Carpentry & Cabinetmaking Design
- Carpentry & Cabinetmaker Failures\*\*
- Construction & Safety: Title 3-5 NYC
- Construction Progress Photography
- Electronic Temperature Monitoring & Printout
- Electronic Measuring Facilities
- Engineering Photography
- Equipment, Computer Aided Design Software
- E-mail Facilities
- Expert Information\*\*
- Fax Facilities
- Fire Department: Title 15 NYC
- Health Code: Title 17
- Hot Water Systems Design
- Hot Water Monitoring
- Hot Water Incidents\*\*
- Housing: Title 28-33 NYC
- Housing, Electrical & Fire Codes: Title 27 NYC
- Ink & Laser Plotter
- Kitchen & Cabinet Design
- Kitchen Cabinet Failures\*\*
- Labor Department
- Labor Law NYS
- Line Drawing Production
- Litigation Support\*\*
- Maintenance Code: §D26 NYC
- Map Production
- Material Testing - See Catalog Index
- Multiple Color Production
- Multiple Dwelling Law
- Network Search Facilities
- New York City Code of 1916
- New York City Code of 1938: §C26...
- New York City Code of 1968: Title 27
- New York State Code
- Orthographic Projection Creation\*\*
- OSHA (Occupational, Safety & Health Administration)
- Paint Failure
- Parks Department: Title 18 NYC
- Photo Measuring Configuration
- Photo Documentation\*\*
- Photo Conversion to 3-Dimension
- Police Department: Title 14 NYC
- Pre-Trial Consultation
- Product Failures\*\*
- Ramp Designing
- Ramp Failures\*\*
- Reference Standards: Title 27 NYC
- Research of All Codes
- Rules of All Departments, Parks,  
Transportation, Fire, Police, etc. NYC
- Sanitation Department: Title 16 NYC
- Searches - See Catalog Index
- Stair Designing
- Stair Failure\*\*
- Standard's & Practices
- Store & Retail Traps\*\*
- Street Walk Designing
- Street Walk Failures\*\*
- Total Network Facilities
- Trial & Court Room Presentation  
26 36 inches Mounted Multiple Colored, Black & White
- Trip & Fall Investigations\*\*
- Unix & MS Data Search Facilities
- Window & Door Design
- Window & Door Incidents\*\*

\* Fees On Request

\*\* No charge for photographic documentation and/or orthographic projection/production, when part of incident investigation.



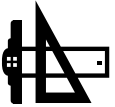
## BUILDING & HOME INSPECTIONS

### RESIDENTIAL – LEVEL I INSPECTION

1010.0	One Family House	\$650.00
1020.0	In Manhattan	\$700.00
1030.0	Lower Westchester	\$700.00
1040.0	Suffolk to Sagtikos Parkway	\$700.00
1050.0	Two Family House	\$700.00
1225.0	Pre-Closing Inspection	30% Off Original Fee
1060.0	In Manhattan	\$750.00
1070.0	Lower Westchester	\$750.00
1080.0	Suffolk to Sagtikos Pk	\$750.00
1110.0	Coop/Condo, Apartment	\$750.00
1120.0	In Manhattan	\$800.00
1130.0	Lower Westchester	\$800.00
1140.0	Suffolk to Sagtikos Parkway	\$800.00

### COMMERCIAL – LEVEL I INSPECTION (1) (2)

1150.0	Construction Management	*
1200.0	Offering Plan Coop/Condo Building Inspection/Eng. Certificate	*
1210.0	Multiple Dwellings	1st 3 Units \$800.00
1220.0	In Manhattan	1st 3 Units \$850.00
	Each Additional Unit	\$30.00
1230.0	Hotels / Motels	\$850.00
1240.0	In Manhattan	\$850.00
	+ Per Rental Unit	\$30.00
1300.0	Industrial & Commercial Property	\$900.00
1310.0	In Manhattan	\$950.00
	+ Per Rental Unit	10¢



## OTHER SERVICES

1350.0	Seller's Property Disclosure (see #1010.0 Thru #1140.0)	
1400.0	Consultation	1st Hour \$650.00
1450.0	In Manhattan	\$700.00
	Each Additional Hour	\$200.00
1451.0	Building Code Search, Study & Report	\$200.00+
1452.0	Building Product Study & Report	*
1453.0	Building Method, Technique, Study & Report	*
1454.0	Building Problem Study, Solution & Report	*
1454.1	Building & Construction Product Manufacturing Research	*
1454.2	Building Code Research Anywhere in USA	*
1455.0	Architectural Trap & Bldg. Hazard Inspection	*
1500.0	Tagging Mechanical, Plumbing, Heating Equipment	*
1600.0	Mileage, Portal to Portal (Local), Per Mile	\$1.50

1650.0	Mileage Beyond 150, + Expenses Per Day (Out of Town)	\$2000.00
1675.1	Industrial & Commercial Phone Consulting	*
1676.0	Building Tech. Support (1+2 Family) Service Cont. 2.5K Sq. Ft./Year	\$500.00
1676.1	Building Tech. Support Service Cont. Over 2.5K Sq. Ft./Year	*
1680.0	Construction, Building, Street Accident Investigation	\$2500.00
1700.0	Construction Advisory Services	*
1705.0	Construction Inspection Services	*
1800.0	Construction Specification Writing	*
1810.0	Restoration Consultation Services	*
1822.0	Photographic Documentation Services	*
1900.1	Investigation for Expert Testimony	\$2500.00+
1900.2	Expert Testimony & Court Appearance Per Day	\$5000.00
1910.0	Drafting Service (Orthographic Projections)	*
1920.0	Lecture Services	*
1950.0	Americans With Disabilities Act	*



## ENVIRONMENTAL TESTING

3002.0	Radon Screening Per Canister w/ Inspection	\$65.00
3002.1	Radon Inspector Pick Up, + Mileage	\$200.00
3003.0	Asbestos Sample Testing Per Test	\$135.00
3003.1	Asbestos Technician Collect Air Sample Per 4 Hr. Shift	\$400.00
3003.2	Asbestos Collect & Analyze Air Sample Per Test	\$ 65.00
3003.3	Asbestos Analyze (Electron Microscope) Per Test	\$300.00
3003.4	72 Hours	\$400.00
3003.5	24 Hour	\$500.00

3003.6	ACP5 Report + Cost of Sample Tests	\$500.00
3003.7	Asbestos Abatement Assign to Contractor	*
3003.8	ACP7 Report + Cost of Sample Tests	\$500.00
3005.3	Neighborhood Environmental Health Hazards Report	\$120.00
3006.1	Underground Tank Leak Detection	*
3007.1	Lead Testing & Detection (All Structure)	*
4913.3	Metals Lead Test of Dust Sample	\$150.00
4913.4	Metals Lead Test of Paint Sample	\$150.00

\* Fees on Request

(1) See Pages 1 & 22

(2) Fees are as shown or 1/10 of 1% of the property's selling price, whichever is greater. Inspections outside the indicated areas are subject to Mileage Fee (Suffolk County, Upstate NY, CT, NJ, etc.)



## ENVIRONMENTAL SITEWORK



1960.1	Environmental Phase I Report	\$3000.00	4750.0	Subsurface Sample Collection	
1960.2	Environmental Phase II & III Report	*	4755.0	Underground Storage Tank Leak Detection & Monitoring	*
1960.3	US & NYS EPA Review (No site inspection)	\$500.00	4760.0	Site Assessment, Surface, Subsurface Contamination Evaluation	*
1960.4	Environmental 1/4 Mile Radius Residential Review (No site inspection)	\$125.00	4765.0	Regulatory Compliance Reviewing	*
1960.5	Magnetic Resonance Test	\$500.00	4770.0	Site History Investigations	*
1960.6	With Home or Building Inspection fee	\$150.00	4775.0	Risk & Liability Assessments	*
1970.0	Parks Dept. Search (Tree Pit)	\$150.00	4780.0	Wastewater Discharge Sampling, Analysis	*
4705.0	Field Laboratory & Consulting Services	*	4785.0	Contamination Investigation Surface, Subsurface Sampling	*
4710.0	Analytical Services	*	4790.0	Aquifer Testing	*
4715.0	Sample Collection	*	4791.0	Rapid Statewide Survey Testing	*
4720.0	Groundwater Monitoring Analysis	*	4792.0	Contamination Delineation	*
4725.0	Wastewater Analysis	*	4793.0	Soil Remediation	*
4730.0	Hazardous Waste Characterization	*	4794.0	Hazardous Waste Analysis	*
4735.0	Post-Excavation Sampling & Analysis	*			
4740.0	Drilling Service Monitor Well Installation	*			
4745.0	Exploratory Drilling	*			

## NEIGHBORHOOD ANALYSIS



3005.1	Property Risk Report of Any Address in (NYC)	\$275.00	3005.5	Reported & Potential Neighborhood Problem Report	\$120.00
3005.2	Co-op/Condo Financial Risk Report	\$125.00	3005.6	Proposed & Existing Neighborhood Facilities Report	\$120.00
3005.3	Neighborhood Environmental Health Hazards Report	\$120.00	3005.7	Building Specific Information Report	\$80.00
3005.4	Proposed Neighborhood Const. Zone Landmark Report	\$120.00	3005.8	J-51 Tax Abatement & Tax Exempting Search	\$25.00

## SECURITY ANALYSIS

## ABI MAINTENANCE SUPPORT



3008.0	One Family	\$250.00	1676.0	2,500 Sq. Ft. or Less/Year	\$400.00
3008.1	Two Family	\$300.00	1676.1	More than 2,500 Sq. Ft./Year	*
3008.2	Multiple Dwelling & Commercial	*			

## HEATING EQUIPMENT INSPECTION



3004.0	Boiler Inspection (Sec.26-125) + \$30.00 Fil'g. + Equipment	\$300.00	3004.4	Boiler and/or Heating Equipment Failures	*
3004.1	In Manhattan	\$350.00	3004.5	Energy Audit	\$500.00
3004.2	For Each Additional Boiler	\$200.00	3006.2	Underground Tank Detection & Location	*
3004.3	Boiler Inspection Steam Hammer Detection & Solution	*	3006.3	Underground Abandoned Tank Detection & Location	*

\* Fees on Request



## NYC HOUSING & BUILDING DEPARTMENT SEARCH

2001.0	HPD & Bldg Dept Search Manhattan County	\$160.00	2006.0	Street Report	\$ 50.00
2001.1	Kings County (Brooklyn)	\$140.00	2006.1	Street Maintenance Letter	\$120.00
2001.2	Queens County	\$140.00	2007.0	Highway & Street Search	\$ 80.00
2001.3	Bronx County	\$140.00	2008.0	Health Search	\$ 80.00
2001.4	Richmond City (Staten Island)	\$140.00	2009.0	Zoning Search	\$100.00
2001.5	Building Profile (All Boroughs)	\$100.00	2010.0	Landmark Search	\$100.00
2002.0	Certificate of Occupancy	\$100.00	2011.0	Oil Burner Permit Search	\$ 80.00
2002.1	Certificate of Occupancy (C of O)		2012.0	Emergency Repair Search	\$ 60.00
	Certified Copy All Boroughs	\$ 80.00	2012.1	Emergency Repair Search Continuance	\$ 50.00
2002.3	Nassau/Suffolk	\$ 80.00	2013.0	Air Resources Search	\$120.00
2002.5	Westchester/Rockland	\$ 80.00	2013.3	Environmental Control Board Search	\$ 50.00
2002.7	Orange/Dutchess	\$100.00	2014.0	Water Department Violation Search	\$ 70.00
2003.0	Fire Dept Violation Search	\$ 80.00	2015.0	Gas & Electric Violation Search	\$ 60.00
2004.0	Survey Inspection	\$ 90.00	2016.0	Tax Lot Certif./Special C of O Search	\$300.00+
2005.0	Bankruptcy Search/Per Name	\$ 50.00			



## NYC AREA SPECIAL SERVICES

1961.1	Environmental Phase I Report	\$2500.00	3005.2	Co-op/Condo Financial Risk Report	\$125.00
4710.0	Analytical Services	*	3005.7	Building Specific Information Report	\$80.00
4725.0	Wastewater Analysis	*	1961.1	Environmental Phase I Report	\$2500.00
3005.2	Co-op/Condo Financial Risk Report	\$125.00	1960.2	Environmental Phase II & III Report	*
3005.7	Building Specific Information Report	\$80.00	4710.0	Analytical Services	*
1961.1	Environmental Phase I Report	\$2500.00	4725.0	Wastewater Analysis	*
1960.2	Environmental Phase II & III Report	*	3005.2	Co-op/Condo Financial Risk Report	\$125.00
4710.0	Analytical Services	*	3005.7	Building Specific Information Report	\$80.00
4725.0	Wastewater Analysis	*	3005.7	Building Specific Information Report	\$80.00
3005.2	Co-op/Condo Financial Risk Report	\$125.00	1961.1	Environmental Phase I Report	\$2500.00
3005.7	Building Specific Information Report	\$80.00	1960.2	Environmental Phase II & III Report	*



## TAX SEARCHES, FIVE BOROUGHES OF THE NYC

### TAX SEARCH PER TAX LOT:

2201.0	New York County	\$120.00	2203.1	Tax History Report	
2201.1	Kings County (Brooklyn)	\$100.00		Per Lot & Block (Except NYC)	\$100.00
2201.2	Queens County	\$100.00	2204.0	Assessed Valuation Search/Per Year	\$ 50.00
2201.3	Bronx County	\$100.00	2205.0	Certification of Assessed Valuation/Year	\$ 50.00
2201.4	Richmond County (Staten Island)	\$100.00	2206.0	Certification of Tax Map, Per Map	\$ 50.00
2201.5	Tax Search Continuance	\$ 50.00	2207.0	Restoration of Exempt Tax Status	\$ 50.00
2201.6	Tax Assessors	\$ 70.00	2208.0	Copy of Vault Tax Bill, Per Copy	\$ 60.00
2202.0	Copy of Tax Bill/Per Copy	\$ 50.00	2209.0	Vault Tax Search Per Lot & Block Number	\$ 60.00
2203.0	Tax History Report Per				
	Lot & Block Number (NYC)	\$120.00			



## TAX SEARCHES, FIVE BOROUGHES OF THE NYC - (CONT.)



### TAX AREA PROBLEMS

2210.0	In Rem Tax Bill	\$100.00
2211.0	Certificate of Withdrawal	\$100.00
2212.0	Jurisdictional Vacate Letter	\$100.00
2213.0	In Rem Removal Letter	\$100.00
2214.0	Research and/or Investigation	\$200.00+
2215.0	Redemption:Application Filing & Processing	\$250.00

### ADJUSTMENT PROBLEMS

2216.0	Tax Adjustments	\$150.00
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2217.0	Refund & Adjustment Processing	\$150.00+
2218.0	Adjustment Investigation and/or Rescindment	\$100.00+
2219.0	Name & Address Change	\$ 50.00

### MISCELLANEOUS

2220.0	Water Department Investigation/ Satisfaction	\$150.00+
2221.0	Special Projects	*
2222.0	Water Meter Reading & Tax Bill Per Meter	\$180.00

## REAL ESTATE SEARCHES



2601.1	2nd Mortgage Kings (Brooklyn)	\$235.00
2601.2	2nd Mortgage Nassau	\$235.00
2601.3	2nd Mortgage New York City	\$250.00
2601.4	2nd Mortgage Queens	\$235.00
2601.5	2nd Mortgage Richmond (SI)	\$235.00
2602.1	Co-Op - Kings (Brooklyn)	\$235.00
2602.2	Co-Op - Nassau	\$235.00
2602.3	Co-Op - New York City	\$250.00
2602.4	Co-Op - Queens	\$235.00
2602.5	Co-Op - Richmond (SI)	\$235.00
2603.1	Foreclosure Kings (Brooklyn)	\$235.00
2603.2	Foreclosure Nassau	\$235.00
2603.3	Foreclosure New York City	\$250.00
2603.4	Foreclosure Queens	\$235.00
2603.5	Foreclosure Richmond (SI)	\$235.00

2604.1	Last Owner Kings (Brooklyn)	\$100.00
2604.2	Last Owner Nassau	\$100.00
2604.3	Last Owner New York City	\$100.00
2604.4	Last Owner Queens	\$100.00
2604.5	Last Owner Richmond (SI)	\$100.00
2605.1	Title Search Kings (Brooklyn)	\$275.00
2605.2	Title Search Nassau	\$275.00
2605.3	Title Search New York City	\$300.00
2605.4	Title Search Queens	\$275.00
2605.5	Title Search Richmond (SI)	\$275.00
2606.1	Reissue Title Kings (Brooklyn)	\$235.00
2606.2	Reissue Title Nassau	\$235.00
2606.3	Reissue Title NYC	\$250.00
2606.4	Reissue Title Queens	\$235.00
2606.5	Reissue Title Richmond (SI)	\$235.00

## NASSAU COUNTY



### MUNICIPAL SERVICES

2301.0	Fire Search Nassau	\$ 80.00
2302.0	Housing & Building Violation Search	\$140.00
2303.0	Certificate of Occupancy Search	\$ 80.00
2304.0	Street Report	\$ 50.00
2305.0	Health Search	\$ 80.00
2306.0	Zoning Search	\$ 60.00
2307.0	Survey Inspection	\$100.00
2308.0	Sewer Hook-up Search Per Address	\$ 50.00
2309.0	Assessor's Information	\$50.00+
2310.0	Bankruptcy Search/Per Title	\$ 50.00

### TAX SERVICES

2311.0	Tax Search (Incl. 1st Cont. Per Parcel)	\$ 50.00
2312.0	Tax Continuance	\$ 50.00
2313.0	Copy of Tax Bill/Per Tax Bill Copy	\$ 50.00

### SPECIAL SERVICES

2314.0	Completion of Open Bldg Permits	\$500.00+
2315.0	Board Fire Underwriters Certificate	\$250.00+
2316.0	Filing Permit Application	\$450.00+
2317.0	Cesspool Certification (Residential)	\$200.00
2318.0	Flood Zone Search (Available in NY & NJ)	\$ 50.00
2319.0	Copy of Survey (If Available Bldg Dept)	\$100.00
2320.0	Copy of Bankruptcy Docket	\$100.00+
2321.0	Copy of Bankruptcy Proceedings	\$100.00+
2322.0	Complete Impact Report	\$500.00+
2323.0	EPA Search - CERCLA File Only (Available Through NYS)	\$ 50.00
2324.0	UCC Search - County Level Only + Disbursements	\$ 50.00



## SUFFOLK COUNTY

### MUNICIPAL SERVICES

2401.0	Fire Search	\$ 80.00+
2402.0	Housing & Bldg Violation Search	\$140.00+
2403.0	Certificate of Occupancy Search	\$ 80.00+
2404.0	Street Report Suffolk	\$ 50.00+
2405.0	Health Search Suffolk	\$ 80.00+

### TAX SERVICES

2412.0	Tax Search/Per Tax Lot	\$ 60.00
2413.0	Tax Continuance	\$ 50.00
2414.0	Copy of Tax Bill/Per Copy	\$ 50.00
2415.0	Certified Tax Search + County Fee	\$100.00
2416.0	Completion of Open Bldg Permits	\$500.00+
2417.0	Board Fire Underwriters Certificate	\$250.00+
2418.0	Filing Permit Application	\$450.00+
2419.0	Renewal of Expired Bldg Permits	\$500.00+
2420.0	Radius Search	\$600.00+
2421.0	Cesspool Certification (Residential)	\$200.00+
2422.0	Flood Zone Search (Available In NY & NJ)	\$ 50.00
2423.0	Copy of Survey (If Available Bldg Dept)	\$100.00
2424.0	Copy of Bankruptcy Docket	\$100.00+

2406.0	Zoning Search Suffolk	\$ 60.00+
2407.0	Survey Inspection Suffolk	\$100.00
2408.0	Sewer Search/Per Tax Lot	\$ 50.00
2409.0	Assessor's Information Suffolk	\$ 50.00+
2410.0	Bankruptcy Search Suffolk	\$ 50.00
2411.0	Emergency Repair	\$ 60.00

2425.0	Copy of Bankruptcy Proceedings	\$100.00+
2426.0	Complete Impact Report	\$500.00+
2427.0	EPA Search - CERCLA File Only (Available Through NYS)	\$ 50.00
Disbursement Included in:		
2428.0	UCC Search - County Level Only	\$ 50.00
2429.0	Fire Island Survey Inspection	\$300.00
2430.0	Fisher's Island Survey Inspection	\$650.00
2431.0	Shelter Island Survey Inspection	\$200.00
2432.0	Blocker Island Survey Inspection	\$650.00
2433.0	Rockland County Survey Inspection	\$120.00
2434.0	Lower Westchester Survey Inspection	\$ 70.00
2435.0	Upper Westchester Survey Inspection	\$ 80.00
Special Service fees vary as to Actual research time		



## ROCKLAND & WESTCHESTER

### MUNICIPAL SERVICES

2501.0	Fire Search	\$100.00
2502.0	Housing & Bldg Violation Search	\$140.00
2503.0	Certificate of Occupancy Search	\$ 80.00
2504.0	Street Report	\$ 50.00
2505.0	Health Search	\$ 80.00
2506.0	Zoning Search	\$ 60.00
2507.0	Survey Inspection - Westchester	\$140.00
2508.0	Survey Inspection - Rockland	\$140.00
2509.0	Sewer Search	\$100.00
2510.0	Assessor's Information	\$50.00+
2511.0	Bankruptcy Search/Per Title	\$ 50.00
2512.0	Emergency Repair Search	\$ 60.00
2513.0	Air Resources	\$ 60.00
2514.0	Fuel Oil Permit	\$ 50.00

### TAX SERVICES

2515.0	Tax Search/Per Tax Lot	\$ 60.00
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### SPECIAL SERVICES

2518.0	Completion of Open Bldg Permits	\$100.00
2519.0	Board of Fire Underwriters Certificate	\$250.00
2520.0	Filing Permit Applications	\$450.00
2521.0	Flood Zone Search (Available In NY & NJ)	\$ 50.00
2522.0	Septic Tank Search	\$ 50.00
2523.0	Copy of Survey (From Bldg Dept.)	\$100.00
2524.0	Copy of Bankruptcy Docket	\$100.00
2525.0	Copy of Bankruptcy Proceedings	\$100.00
2526.0	Complete Impact Report	\$500.00+
2527.0	EPA Search - CERCLA File Only (Avail Thru NYS)	\$ 50.00
2529.0	UCC Search - County Level Only + Disbursements	\$ 50.00
2516.0	Tax Search Continuance/Per Tax Lot	\$ 50.00
2517.0	Copy of Tax Bill/Per Copy	\$ 50.00



## WATER PARAMETER TESTING



4800.0 Potable Water NYS Health Dpt.16 Tests \$550.00  
If each test was ordered separately \$1,127.00

ABI#	#	Test	MCL <sup>(4)</sup> (mg/L)	EPA <sup>(5)</sup> # test
4800.B	1	Coliform Bacteria		
4800.D	2	Total Dissolved Solids	500.00	160.3
4800.H	3	PH	6.5-8.15	150.1
4800.N	4	Nitrate & Nitrite {N}	10.000	353.3
4800.M	5	Manganese {Mn}	0.300	200.7
4800.R	6	Chromium {Cr}	0.050	200.7
4800.C	7	Cadmium {Cd}	0.010	200.7
4800.P	8	Lead {Pb}	0.015	239.2
4800.A	9	Arsenic {As}	0.050	200.7
4800.U	10	Copper {Cu}	1.300	200.7
4800.I	11	Iron {Fe}	0.300	200.7
4800.Z	12	Zinc {Zn}	5.000	200.7
4800.S	13	Silver {Ag}	0.050	200.7
4800.L	14	Chloride {Cl}	250.00	325.3

- 4801.0 Alkalinity (SM 403) \$ 50.00
- 4801.1 Acidity (SM 402) \$ 50.00
- 4801.2 Ammonia, Sulfide (Sewage Confirm) \$ 74.00
- 4802.1 (SM 507 BOD) (5 Day) \$170.00
- 4802.2 (SM 507 BOD) (20 Day) \$250.00
- 4803.0 Chemical O2 Demand (SM 508A) (COD) \$80.00+
- 4803.1 Cadmium Content (SM 310A) \$ 80.00
- 4804.0 Color, Apparent (EPA 110.2) \$ 50.00
- 4805.0 Conductance, Specific (EPA 120.1) \$ 50.00
- 4806.0 Chlorine Demand (SM 409A) \$ 90.00
- 4806.1 Chlorine, Free Residual (SM 408C) \$ 50.00
- 4806.2 Chlorine, Total (SM 408C) \$ 50.00
- 4807.0 Chloride Content (SM 407A) \$ 80.00
- 4808.1 Cyanide, Total (SM 412) \$150.00
- 4808.2 Cyanide, Amenable to Chlorination (SM 412F) \$150.00

- 4808.3 Fecal Coliform (E. Coli) (SM 909C) \$130.00
- 4809.1 Fluorides, Direct (SM 413A) \$ 50.00
- 4809.2 Fluorides, Distillation (SM 413B) \$ 90.00
- 4810.1 Hardness, total (EPA 130.2) \$ 50.00
- 4810.2 Hardness, Ca+ Mg+ (EPA 130.2) \$ 70.00
- 4810.3 Lead Content (SM 316A) \$ 74.00
- 4810.4 Nitrate/Nitrite (EPA 300/353.3) \$120.00
- 4811.1 Nitrogen, Ammonia (EPA 350.2) \$ 50.00
- 4811.2 Nitrogen, Kjeldahl (EPA 951.3) \$ 50.00
- 4811.3 Nitrogen, Nitrate (EPA 963.2) \$ 50.00
- 4811.4 Nitrogen, Nitrite (EPA 354.1) \$ 50.00
- 4811.5 Nitrogen, Organic (EPA 350.2,351.3) \$ 70.00
- 4812.0 Odor (SM 207) \$ 50.00
- 4812.1 Oil & Grease (SM 503) \$150.00
- 4813.0 Oxygen, Dissolved (SM 421B) \$ 50.00
- 4814.0 Percent Glycol (ASTM E-611) \$275.00
- 4814.1 pH (SM 423) \$ 50.00
- 4815.1 Phenols, Chloroform Extract (EPA 420.1) \$120.00
- 4815.2 Phenols, Total (EPA 420.1) \$ 80.00
- 4815.3 Phosphates, Ortho (Colorimetric) \$ 50.00
- 4815.4 Phosphates, Total (Colorimetric) \$ 66.00
- 4815.5 Potability (NYSDOT SM 18) \$450.00
- 4816.1 Solids, Dissolved (SM 209B) \$150.00
- 4816.2 Solids, Settleable (SM 209F) \$ 50.00
- 4816.3 Solids, Suspended (SM 209D) \$150.00
- 4816.4 Solids, Total Volatile (SM 209E) \$ 50.00
- 4816.5 Solids, Total (SM 209A) \$150.00
- 4817.1 Sulfates (EPA 375) \$ 50.00
- 4818.0 Sulfides (EPA 376) \$ 50.00
- 4819.0 Sulfites (EPA 377.1) \$ 50.00
- 4820.0 Surfactants, MBAS (EPA 425.1) \$ 54.00
- 4821.0 Total Organic Carbon (EPA 415.1) (TOC) \$130.00
- 4822.0 Turbidity (EPA 241A) \$100.00
- 4823.0 Total Coliform \$130.00
- 4825.0 Total Residue \$150.00

## PRIORITY POLLUTANT TESTING



- 4830.1 Water (EPA 624) Volatile Organic \$520.00
- 4830.2 Soil (EPA 624) Volatile Organic \$550.00
- 4830.3 Water (EPA 601) Volatile Organic \$530.00
- 4830.4 Soil (EPA 601) Volatile Organic \$600.00
- 4830.5 Water (EPA1311) TCLP/ZHE Extract Volatile \$520.00
- 4830.6 Water (EPA 1311) TCLP Extract All Others \$250.00
- 4830.7 Soil (EPA 624) TCLP/ZHE Extract Volatile \$600.00
- 4830.7 Soil (EPA 624) TCLP Extract Semi-Volatile \$600.00
- 4831.1 Water (EPA 625) Acid Extract \$550.00
- 4831.2 Soil (EPA 625) Acid Extract \$595.00
- 4832.1 Water (EPA 625) Base/Neutrals. \$600.00
- 4832.2 Soil (EPA 625) Base/Neutrals \$600.00
- 4832.3 Water (EPA 603) Acrolein & Acrylonitrile \$350.00
- 4832.4 Soil (EPA 603) Acrolein & Acrylonitrile \$350.00

- 4832.5 Soil (EPA 625) PAH-STARs Polynuclear Aromatic Hydrocarbon \$600.00
- 4833.1 Water (EPA 608) Pesticides & PCBs \$450.00
- 4833.2 Soil (EPA 608) Pesticides & PCBs \$450.00
- 4833.3 Soil (EPA608) TCLP Pesticides & Herbicides \$600.00
- 4834.1 Water (SM 412) Cyanides \$100.00
- 4834.2 Soil (SM 412) Cyanides \$100.00
- 4835.1 Water (EPA 420) Phenols \$ 80.00
- 4835.2 Soil (EPA 420) Phenols \$ 80.00
- 4836.1 Soil (EPA 200.7) TCLP - Heavy Metals \$425.00
- 4837.0 Water (EPA 200.7) Metals (8/11) \$350.00+
- 4837.1 Soil (EPA 200.7) Metals (8/11) \$350.00+
- 4838.0 Soil (EPA 1311 TCLP/ZHE) Analysis \$1750.00
- 4840.0 Library search+organic compounds (EPA 624 & 625) 7 per peak \*

(4) Maximum Contaminant Level - (5) Environmental Protection Agency - \* Fees Upon Request



## HOUSEHOLD CONTAMINANT ANALYSIS

3100.1 Fungi Culturable ID Air Filter	\$100.00	3118.0 Pollen Count Air Samples	\$100.00
3101.0 Fungi ID with Microscopic (Bulk)	\$100.00	3119.0 Fungi & Bacteria Identification Culture	\$100.00
3102.0 Bacteria Culturable ID Air Filter	\$100.00	3120.0 Endotoxin Kinetic Chromogenic Air Water Dust	\$160.00
3103.0 Fungi & Bacteria Culturable Water (Bulk Wipe)	\$120.00	3121.0 Allergen Collection Bags 15 Count	\$100.00
3104.0 Metal Work Oil Culturable Fungi & Bacteria	\$120.00	3122.0 Endotoxin Cassette/Container 15 Count	\$100.00
3104.A Culture Species Identification	\$150.00	3123.0 Andersen N6 Single Stage Sampler Rent 3 Days	\$200.00
3105.0 Fungi ID with Incubation (Bulk Wipe)	\$120.00	3124.0 Andersen N6 Single Stage Sampler Rent 5 Days	\$260.00
3106.0 Bacteria Culturable ID Bulk Wipe	\$120.00	3125.0 PhD Microbiologist Consultation/Hour	\$300.00
3107.0 Mesophilic Thermophilic Actinomycetes Bacteria	\$120.00	3126.1 PhD Microbiologist Field Investigation Report	\$3000.00
3108.0 Coliform & E. Coli Test & Count (Bulk Wipe)	\$100.00	3126.2 PhD Microbiologist Court Room Work Per Day	\$5000.00
3109.0 Legionella Bacteria Water ID (Bulk Wipe)	\$220.00	3127.0 Microbiologist Laboratory Work/Hour	\$120.00
3110.0 Legionella Bacteria ID Air Filter	\$160.00	3128.0 Bacteria Coliform E. Coli Fecal Water Count	\$120.00
3111.0 Dust Mite Allergens (Bulk Dust)	\$120.00	3129.0 Fecal Coliform Confirmation Bulk Water	\$100.00
3112.0 Cat Allergens (Bulk Dust)	\$100.00	3130.0 Coliform Bacteria E. Coli Presence/Absence Test	\$100.00
3113.0 Cockroach Allergens (Bulk Dust)	\$100.00	3131.0 Staphylococcus Aureus Confirmation Bulk Water	\$100.00
3114.0 Dog Allergens (Bulk Dust)	\$100.00	3132.0 Pseudomonas Aeruginosa Confirmation Bulk Water	\$100.00
3115.0 Dust Particles Identification (Bulk Dust)	\$110.00	3133.0 Fecal Streptococci/Enterococci Confirmation Bulk Water	\$120.00
3116.0 Wood Dust Rot Microorganism Decay Evaluation	\$150.00	3134.0 Heterotrophic Plate Count (Bulk Water)	\$100.00
3117.0 Fungi Spore Count Air Samples	\$100.00		



## ASBESTOS TESTING

4101.0 Certified Investigator	*	4104.0 Bulk Sample Analysis/Per Test	\$125.00
4102.0 Air Monitoring Technician/Per Diem	\$375.00	4105.0 Air Filter Sample Analysis/Per Test	\$ 50.00
4103.0 Air Filter/Pump Pick-up/Per Hour	\$ 70.00	4105.1 Transmission Elect. Microscope	\$270.00



## PLASTICS

4151.0 Cold Bend Test	\$150.00	4154.3 Resistance Alkali-Water Absorption	\$170.00
4152.0 Dimension Evaluation	\$150.00	4154.4 Resistance Alkali-Weight Change	\$250.00
4153.0 Hardness	\$ 75.00	4155.0 Tensile Strength	\$200.00
4154.0 Resistance Alkali-Hardness	\$ 75.00	4156.0 Ultimate Elongation	\$160.00
4154.1 Resistance Alkali-Specific Gravity	\$170.00	4157.0 Plastic Failures	*
4154.2 Resistance Alkali-Tensile Strength	\$200.00		



## LABORATORY EQUIPMENT AVAILABILITY

5075.1 Asphalt Thermometer	\$ 50.00	5076.8 Concrete Scoop	\$ 50.00
5076.0 Concrete Chase Indicator	\$ 50.00	5076.9 Concrete Slump Cone	\$ 90.00
5076.1 Concrete Chase Indicator Kit	\$ 75.00	5076.10 Concrete Tamping Rod	\$ 50.00
5076.2 Concrete Curing Box (Steel+Thermostat)	\$3500.00	5076.11 Concrete Thermometer	\$ 50.00
5076.3 Concrete Cylinder Molds	\$ 50.00	5077.0 Mortar Cube Mold Kit (2" Bronze+3Liner)	\$390.00
5076.4 Concrete Moisture Meter (Surface)	\$750.00	5077.1 Mortar Cube Mold Liners (2") (ASTM C109)	\$ 50.00
5076.5 Concrete Portable Slump Test Set	\$350.00	5078.0 Triple Beam Balance (2560 gr)	\$750.00
5076.6 Concrete Press-Ur-Meter	\$1000.00	5079.0 Soils Sieve Shaker	\$1750.00
5076.7 Concrete Roll-A-Meter	\$1000.00	5079.1 Soils 8" Diam. Sieve	\$130.00



## ASPHALT TESTING



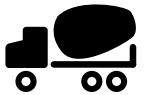
4201.0	Technician (Nuclear Densimeter)	*	4211.0	Oil Distillate/Volume	\$300.00
4202.0	In-Place Density (Nuclear Densimeter)	*	4212.0	Particle Charge	\$250.00
4203.0	Field Technician (AASHTO) / Per Diem	*	4213.0	Penetrometer (Field)Diem	*
4204.0	Batch Plant Technician(AASHTO)/Per Diem	*	4214.0	Percent Air Voids	\$100.00
4204.1	Base for Emulsion (Undiluted)	\$600.00	4215.0	Residue by Distillation	\$300.00
4204.2	Cement Mixing (NYSDOT 702-9)	\$500.00	4215.1	Residue by Distillation (Penetration)	\$200.00
4204.3	Asphalt Classification	\$150.00	4215.2	Residue by Distillation (Float)	\$250.00
4205.0	Asphalt Density - Per Test	\$100.00	4215.3	Residue by Distillation (Undiluted)	\$200.00
4205.1	Asphalt Ductility - Per Test	\$210.00	4216.0	Spec. Gravity/Max. Theoretic	\$400.00
4206.0	Bituminous Extraction	\$250.00	4217.0	Sieve Analysis	\$ 80.00
4207.0	Asphalt Gradation - Per Test	\$ 90.00	4217.1	Solubility Trichloroethylene	\$130.00
4208.0	Density, Extraction+Gradation - Per Test	275.00	4217.2	Stone Coating	\$300.00
4208.1	Asphalt Emulsion (Undiluted) - Per Test	\$2000.00	4217.3	Storage Stability	\$550.00
4208.2	Flash Point (Cleveland Open Cup)	\$70.00	4218.0	Total Emulsion	\$ 70.00
4209.0	Marshal Stability - Per Test	\$550.00	4218.1	Viscosity	\$250.00
4210.0	Design-Mix - Per Design	\$2000.00	4219.0	Asphalt Failures	*

## RUBBER AND NEOPRENE



4250.0	Adhesion (Peal Test)	\$170.00	4258.0	Geometric Properties	\$170.00
4250.1	Adhesion (Compress Test)	\$110.00	4259.0	Oil Immersion/Swell (Neoprene)	\$450.00
4250.2	Adhesion & Cohesion Elastomeric Joint Seal	\$800.00	4260.0	Properties in Compression	\$430.00
4251.0	Bearing Pads (Laminated)/Phys Prop	\$800.00	4261.0	Specific Gravity	\$150.00
4251.1	Bearing Pads (Plain)/Phys Prop	\$750.00	4262.0	Staining Caulk Comp & Seal	\$270.00
4251.2	Bearing Pads (Top & Bottom)	\$1000.00	4263.0	Sliding Coef. Friction(Max 15"x15")	\$1000.00
4252.0	Cold Temperature Shear	\$700.00	4263.1	Sliding Coef. Friction(Larger Pads)	\$1700.00
4253.0	Compression Strain	\$300.00	4264.0	Surface Cracking	\$250.00
4253.1	Compression Set (Kit)	\$220.00	4264.1	Surface Ozone Cracking Chamber(Flat)	\$500.00
4254.0	Deterioration Air Oven	\$100.00	4265.0	Temperature/Low	\$300.00
4255.0	Durometer Hardness	\$ 70.00	4265.1	Temperature/High Recovery	\$300.00
4255.1	Durometer Hardness/Aged	\$170.00	4266.0	Tensile Yield+Elongation	\$250.00
4256.0	Effect of Liquids	\$300.00	4266.1	Tensile Yield+Elongation/Aged	\$300.00
4257.0	Elastomeric Properties	\$170.00	4266.2	Tensile Strength+Elongation(Ultimate)	\$200.00

## EPOXY CONCRETE



4370.1	Ash Content	\$150.00	4380.1	Initial Viscosity	\$250.00
4371.0	Beam Break	\$450.00	4381.0	Latex Material % Solids	\$450.00
4372.0	Binder Viscosity	\$200.00	4382.0	Pack/Stability Component/Diem	\$700.00
4372.1	Binder Gel Time	\$150.00	4382.1	Percent Filler & Pigment	\$500.00
4372.2	Binder Flash Point	\$ 90.00	4383.0	Polymer Concrete Compress Strength	\$ 50.00
4372.3	Binder Tensile Strength+Elongation	\$450.00	4383.1	Polymer Concrete Flex Strength	\$300.00
4373.0	Bond	\$270.00	4383.2	Polymer Conc. Mod. of Elasticity Compress	\$300.00
4373.1	Bond Strength Shear	\$700.00	4383.3	Polymer Concrete Shrinkage	\$700.00
4373.2	Broadcast Aggregate	\$ 80.00	4383.4	Polymer Concrete Thermal Compatibility	\$1700.00
4374.0	Color	\$150.00	4384.0	Pot Life (NYSDOT 721)	\$220.00
4374.1	Color Fastness	\$220.00	4384.1	Pot Life (NYSDOT 717-01)	\$220.00
4375.0	Compress Shear	\$450.00	4385.0	Resin Content	\$170.00
4375.1	Compress Strength	\$ 50.00	4386.0	Shelf Life	\$150.00
4376.0	Degree of Temp Gelation	\$100.00	4387.0	Shore Durometer Hardness	\$ 70.00
4377.0	Epoxide Equivalent	\$250.00	4388.0	Sulfur Content	\$350.00
4378.0	Fill Aggregate Grading	\$ 80.00	4389.0	Tack Free Time	\$150.00
4378.1	Fill Aggregate Moisture Content	\$ 50.00	4390.0	Viscosity	\$250.00
4379.0	Flexural Strength	\$800.00	4391.0	Volatile	\$250.00
4379.1	Freeze-Thaw	\$500.00	4392.0	Weight Per Gallon	\$100.00
4380.0	Initial Cure	\$ 80.00			



## CONCRETE TESTING

4301.0	Abrasion resistance (Rot Cutter)	\$1000.00	4332.0	Magnesium Sulfate (10 cycles)	\$375.00
4302.0	Absorption	\$170.00	4333.0	Moh's Hardness	\$ 50.00
4303.0	Acme Penetrometer/Diem	*	4334.0	Organic Impurities Of Sand	\$ 70.00
4304.0	Adhesion Pull-Out Test Mobilization	\$1000.00	4335.0	Pachometer Analysis/Diem	\$750.00
4304.1	Adhesion Pull-Out Test	\$250.00	4336.0	Patching (6" Max Depth)/Ft2	\$ 50.00
4305.0	Air Void Content (Microscopic)	\$350.00	4337.0	Petrographic Analysis - Chemical	\$1000.00
4305.1	Air Void Content (Grid Method)	\$350.00	4337.1	Petrographic Analysis - Microscopic	\$1000.00
4306.0	Alkali Silika Reaction	\$225.00	4337.2	Petrographic Analysis - Visual	\$170.00
4307.0	Anchor Bolt Pull-Out Test Mobil	\$800.00	4338.0	Portland Cement Fineness	\$550.00
4307.1	Anchor Bolt Pull-Out Test	\$250.00	4338.1	Portland Cement Autoclave	\$550.00
4308.0	Batch Plant Technician	*	4338.2	Portland Cement Alkali Content	\$525.00
4309.0	Carbon Analysis	\$120.00	4339.0	Potentiometer Analysis/Per Diem	\$850.00
4310.0	Cement (Physical)/Per Test	\$270.00	4340.0	Precast Plant Technician/Diem	*
4310.1	Cement (Chemical)/Per Test	\$750.00	4341.0	Reactivity/Per Sample	\$500.00
4311.0	Chipping & Removal (6" Max Depth)/Ft2	\$30.00	4342.0	Saw Cutting Test Cores/Inch	\$ 50.00
4312.0	Chloride-Ion Content	\$250.00	4342.1	Saw Cutting (6" Max Depth)	
4312.1	Chloride Content	\$250.00		Unreinforced/Linear Foot	\$ 50.00
4313.0	Clay Lumps	\$300.00	4342.2	Saw Cutting (6" Max Depth)	
4314.0	Color Photos	\$ 50.00		Reinforced/Linear Foot	\$ 50.00
4315.0	Cores - Compress Strength	\$ 70.00	4342.3	Saw Cutting Mobilization/Diem	\$1000.00
4315.1	Cylinder Compression	\$100.00	4343.0	Setting Time Hydraulic-Cement Vicat Needle	350.00
4315.2	Compress Strength - Hydraulic-Cement Mortar	\$250.00	4343.1	Setting Time Hydraulic-Cement	
4316.0	Core Drill Team	\$800.00		Gillmore Needle	\$500.00
4316.1	Core/Line Inch Drill (1" to 18" )	*	4344.0	Scaffolding (15' Max)/Diem	\$350.00
4317.0	Design-mix	\$1650.00	4345.0	Schmitt Hammer Tech/Diem	\$700.00
4317.1	Design-mix (re-use)	\$275.00	4345.1	Schmitt Hammer Test	\$ 50.00
4317.2	Design-mix (volumetric)	\$450.00	4346.0	Sieve Analysis (Fine Aggregate)	\$ 80.00
4318.0	Dynamic Modulus of Elasticity		4346.1	Sieve Analysis (Coarse Aggregate)	\$ 80.00
	Test (ASTM C215)	\$650.00	4347.0	Skid Resistance/Per Test	\$950.00
4318.1	Dynamic Modulus of Elasticity		4348.0	Sodium Sulfate (10 cycles)/Per Test	\$450.00
	Test (ASTM C366)	\$650.00	4349.0	Sound of Deck Surface/Diem	\$1000.00
4319.0	Fiber-Optic Investigation/Diem	\$1000.00	4350.0	Specific Gravity/Per Test	\$ 50.00
4320.0	Field Technician/Per Diem	*	4350.1	Splitting Tensile Strength	\$130.00
4321.0	Fineness Modulus	\$ 10.00	4350.2	Static Modulus of Elasticity Test	\$550.00
4322.0	Flat & Elongated Pieces	\$250.00	4350.3	Sulfate Analysis	\$250.00
4323.0	Flexural Beam	\$300.00	4351.0	Tensile Strength Hydraulic-Cement Mortar	\$650.00
4324.0	Flex Strength Hydraulic-Cement Mortar	\$1000.00	4352.0	Test Cylinder Compression	\$ 50.00
4325.0	Flow Test Hydraulic Cement	\$350.00	4352.1	Test Cylinder Molds/Per Mold	\$ 50.00
4326.0	Freeze-thaw 300 Cycles (min 3 Samples)	\$800.00	4353.0	Traffic Control Equipment/Diem	\$800.00
4326.1	Freeze-thaw 25 Cycles (min. 5 Samples)	\$300.00	4353.1	Traffic Control Flag/Diem	\$450.00
4327.0	Gradation Analysis	\$ 80.00	4353.2	Traffic Control Flash Arrow/Diem	\$1000.00
4328.0	Hydrogen Content	\$120.00	4353.3	Traffic Control Impact Attenuator/Diem	\$1500.00
4329.0	Latex Admixture % Solids	\$800.00	4354.0	Ultrasound Technician (V) Meter/Diem	\$1600.00
4330.0	L.A. Abrasion (500 cycles)/Per Test	\$550.00	4354.1	Unit Weight	\$ 50.00
4330.1	L.A. Abrasion (500+100 Rev)	\$700.00	4355.0	Vicat Apparatus/Diem	*
4330.2	L.A. Abrasion (1000 Revol)/Per Test	\$700.00	4356.0	Windsor Probe Technician/Per Visit	*
4330.3	L.A. Abrasion (1000+200 Revol)	\$800.00	4356.1	Windsor Test Probes/Per Probe	\$ 50.00
4331.0	Loss on Ignition (Fly Ash)	\$550.00	4357.0	Street Walk Design	*
4331.1	Loss on Ignition (Lightweight Aggregate)	\$550.00	4357.1	Street Walk Failures	*



## FIREPROOFING TESTING

4401.0	Field Technician	*	4404.0	Fire Stopping Technician/Per Hour	\$700.00
4402.0	Laboratory Density/Per Test	\$ 75.00	4405.0	Fireproof Fire Stopping Professional Engineer	*
4403.0	Fireproof Field Adhesion/Per Test	\$ 75.00	4405.0	Asbestos Bulk Sample Analysis	\$ 50.00

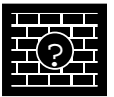


## PAINT



4450.1 Adhesion	\$ 70.00	4465.1 Thermoplastic Material/Color	\$100.00
4451.0 Density	\$120.00	4465.2 Thermoplastic Material/Softening Point	\$350.00
4452.0 Drying Time	\$ 50.00	4465.3 Thermoplastic Material/Specific Gravity	\$350.00
4453.0 Elkometer Thick Determination	\$ 700.00	4465.4 Thermoplastic Material/Yellowness Index	\$300.00
4454.0 Fineness Grind (Hegman)	\$120.00	4465.5 Thermoplastic Material/Reflective Glass-Spheres, Shade, Color	\$150.00
4455.0 Flash Point (Pensky-Martans Closed Cup)	\$ 70.00	4465.6 Thermoplastic Material/Reflective Glass-Reflective Index	250.00
4456.0 Gloss/Specular	\$110.00	4465.7 Thermoplastic Material/Reflective Glass-Silica Content	\$200.00
4457.0 Lead Content (AA Analysis)	\$ 50.00	4465.8 Thermoplastic Material/Reflective Glass-Crushing Resistance	\$300.00
4458.0 Linseed Oil in Vehicle (%)	\$150.00	4465.9 Thermoplastic Material/Reflective Glass-Gradation	\$150.00
4459.0 Pigment (% by weight)	\$130.00	4466.0 Tooke Gauge (Total/Indiv Thick)	\$110.00
4460.0 Primer/Solids Content	\$220.00	4467.0 Vehicle (% by weight)	\$ 80.00
4460.1 Primer I/Wet Film Thickness	\$300.00	4467.1 Vehicle/Non-Volatile	\$130.00
4460.2 Primer II/Weight Gallon	\$100.00	4468.0 Viscosity (KREB Units)	\$130.00
4460.3 Primer II/Epoxide Equivalent Solids	\$350.00	4469.0 Volatile Organic Compounds	\$440.00
4460.4 Primer II/Pot Life	\$220.00	4469.1 Volatile Organics (Solvent Based)	\$170.00
4460.5 Primer II/Reflective Solids Content	\$250.00	4469.2 Volatile Organics (Water Based)	\$190.00
4461.0 Sag Resistance	\$ 50.00	4469.2 Paint Failures	*
4462.0 Silicone in Vehicle (% SiO2)	\$ 80.00		
4463.0 Solids by Weight	\$ 80.00		
4463.1 Solids by Volume	\$130.00		
4464.0 Technician (Structural Steel)/Diem	\$700.00		
4465.0 Thermoplastic Material/Composition	\$1000.00		

## MASONRY TESTING



4501.0 Absorption/Per Test	\$170.00	4512.0 Lime Content Uncured Soil - Lime Mixture	\$1700.00
4502.0 Block Compression/Per Test	\$110.00	4513.0 Mortar Cylinders	\$ 50.00
4503.0 Bond Strength (Mortar to Block)	\$700.00	4514.0 Modulus of Rupture	\$250.00
4503.1 Bond Strength (Mortar to Brick)	\$270.00	4515.0 Mortar-Aggregate Ratio + Tech	\$220.00
4503.2 Brick Compression/Per Test	\$110.00	4515.1 Mortar Air Content + Tech.	\$170.00
4504.0 Composite Prism Compression	\$700.00	4515.2 Mortar Preparation & Mix	\$450.00
4505.0 Compress Strength Block 4"	\$110.00	4515.3 Mortar Sand Unit Weight & Voids	\$150.00
4505.1 Compress Strength Block 6"	\$130.00	4515.4 Mortar-Water Content + Tech	\$220.00
4505.2 Compress Strength Block 8"	\$170.00	4516.0 Petrographic Analysis - Chemical	\$900.00
4505.3 Compress Strength Block 12"	\$250.00	4516.1 Petrographic Analysis - Microscopic	\$900.00
4505.4 Compress Strength Mortar	\$ 50.00	4516.2 Petrographic Analysis - Visual	\$ 90.00
4506.0 Consistency Cone Penetration	\$300.00	4517.0 Prism Compression (4" Block)/Test	\$170.00
4506.1 Consistency Retention Mortar	\$450.00	4517.1 Prism Compression (8" Block)/Test	\$250.00
4507.0 Dimension Variation	\$ 70.00	4518.0 Saturation Coefficient	\$170.00
4508.0 Efflorescence	\$150.00	4519.0 Split Tensile Strength (Mold Mason Mortar Cyl)	\$170.00
4509.0 Field Technician	*	4520.0 Windsor Penetrometer Technician	*
4510.0 Freeze-Thaw	\$450.00	4521.0 Windsor Penetrometer Test/Per Probe	\$ 50.00
4511.0 Initial Rate Absorption (Suction)	\$220.00	4522.0 Masonry Failures	*

## WOOD



5050.0 Grind for Sample Preparation	\$550.00	5053.0 Total Phenols or Cercols	\$450.00
5051.0 Preservatives-CCA	\$650.00	5054.0 Ultrasound (Pulse-Velocity) ("V"Meter)/Diem	\$1500.00
5052.0 Total Moisture Content	\$ 80.00	4555.0 Wood Failures	*



## PETROLEUM TESTING

4601.0 Accelerated Stability	\$250.00	4629.7 Distillation, Vacuum	\$360.00
4602.0 Acetone Content	\$ 90.00	4630.0 Doctor Test	\$ 50.00
4603.1 Acid & Base # Colorimetric	\$ 80.00	4631.0 Dropping Point, Greases	\$110.00
4603.2 Acid & Base # Potentiometric	\$ 90.00	4632.0 Ductility	\$210.00
4604.1 Acid Color Wash Industrial Aromatics	\$ 90.00	4633.1 Emulsion (30 min 130°F Distilled Water)	\$110.00
4604.2 Aromatics Acid or Alkalinity	\$ 80.00	4633.2 Emulsion Characteristics	\$110.00
4605.0 Acidity of Residue	\$ 90.00	4633.3 Emulsion Steam S.E. No.	\$110.00
4606.0 Alcohols in Gasoline (GC)	\$400.00	4634.1 Fire Point	\$ 75.00
4607.0 Alkalinity as NH <sub>3</sub>	\$ 80.00	4634.2 Flash Point Cleveland Open Cup	\$ 75.00
4608.1 Aniline Point	\$ 90.00	4634.3 Flash Point Pensky-Martens Closed Cup	\$ 75.00
4608.2 Aniline Point, Mixed	\$110.00	4634.4 Flash Point Tag Closed Cup	\$ 90.00
4609.0 Distillates Aromatics & Olefins	\$150.00	4634.5 Flash Point Tag Closed Cup Below 60°F	\$120.00
4610.1 Ash Content	\$110.00	4634.6 Flash Point Tag Open Cup	\$ 90.00
4610.2 Ash, Sulfated	\$120.00	4635.0 Foaming Test	\$220.00
4611.1 Benzene in Gasoline by GC	\$450.00	4636.0 Freezing Point Aviation Fuels	\$130.00
4611.2 Benzene in Gasoline by IR	\$500.00	4637.1 Gravity API Hydrometer	\$ 50.00
4612.0 Bromine Number	\$110.00	4637.2 Gravity API Hydrometer Controlled Temp	\$ 80.00
4613.1 Burning Quality Kerosene, Oils, Etc. (16Hr)	\$180.00+	4637.3 Petroleum Gravity, Pycnometer	\$150.00
4613.2 Burning Quality Kerosene, Oils, Etc. (24Hr)	\$180.00+	4637.4 Gravity API Hydrometer Asphalt	\$ 80.00
4614.0 BTU Value by Calorimeter	\$150.00	4638.1 Gum Accelerated (Potential)	\$250.00
4615.0 CCAI Calculation (Required Density & Viscosity)	\$ 50.00	4638.2 Gum, Air Jet	\$120.00
4615.1 Carbon Residue, Conradson	\$100.00	4638.3 Gum, Stream Jet	\$140.00
4615.2 Carbon Residue, Conradson 10% Bott	\$160.00	4639.1 Heat Air Effect Asphaltic Materials	\$220.00
4615.3 Carbon Residue, Ramsbottom	\$120.00	4639.2 Heating Loss Asphalt & Oil (5Hr 325°F)	\$220.00
4615.4 Carbon Residue Ramsbottom 10% Bott	\$210.00	4640.0 Hydroxyl in Ethylene Glycol	\$110.00
4616.1 Cetane No. Ignition Quality	\$450.00	4641.0 Insoluble Matter, Grease	\$130.00
4616.2 Cetane Index Calculation (Required Density & Gravity)	\$ 50.00	4642.0 Interfacial Tension	\$120.00
4617.0 Chlorine, Quantitative	\$180.00	4643.0 Inhibitor, Colorimetric	\$180.00
4618.1 Cloud Point Down to -30°F	\$ 70.00	4644.0 Inorganic Chlorides & Sulfates	\$ 90.00
4618.2 Cloud Point -30° to -60°F	\$ 80.00	4645.0 Iodine Value	\$120.00
4619.1 Color, APHA (Pt-Co)	\$ 50.00	4646.0 Lead in Gasoline, Colorimetric	\$ 70.00
4619.2 Color, Gardner	\$ 70.00	4647.0 Lead in Gasoline	\$100.00
4619.3 Color, ASTM	\$ 50.00	4648.1 Melting Point American Paraffin Wax	\$110.00
4619.4 Color, Saybolt	\$ 50.00	4648.2 Melting Point Drop	\$110.00
4619.5 Color Saybolt on Paraffin Wax	\$120.00	4649.0 Mercaptan Sulfur	\$110.00
4620.1 Compatibility, A or B	\$ 75.00	4650.1 Metals(ppm)/Element, Atomic Absorption	\$120.00
4620.2 Compatibility, A & B	\$ 90.00	4650.2 Metals(ppb)/Element, Atomic Absorption	\$160.00
4621.0 Congealing Point	\$ 75.00	4650.3 Metals Aluminum & Silicon Atomic Absorption	\$160.00
4622.1 Corrosion, Copper Strip	\$ 75.00	4651.0 Millipore Filter Particulate Contamination	\$100.00
4622.2 Corrosion, L.P.G.	\$120.00	4652.0 Filterability Time Up to 15 Min	\$110.00
4623.0 Crankcase Oils, Dilution of	\$ 90.00	4653.0 Color (Not Including Weight)	\$110.00
4624.0 Demulsibility Test Lub Oils	\$110.00	4654.0 (GC) MTBE in Gasoline	\$450.00
4625.0 Density by Digital Meter	\$ 50.00	4655.0 Naphthalene by U.V	\$140.00
4626.0 Dielectric Strength	\$180.00	4656.0 Nitrogen	\$220.00
4627.0 Diesel Index, Calculation	\$ 50.00	4657.0 Nitrogen, Kjeldahl	\$150.00
4628.0 Dissolved Gases by GC	\$420.00	4658.0 Non-volatile Matter	\$100.00
4629.1 Distillation, Recovery	\$100.00	4659.0 Octane No Motor Method (F-2)	\$240.00+
4629.2 Distillation, Evaporation	\$110.00	4660.0 Octane No Research Method (F-1)	\$240.00+
4629.3 Distillation Crude Oil (Hempel)	\$180.00	4661.0 Odor, Residual	\$ 50.00
4629.4 Distillation, Cutback Asphalt	\$180.00	4662.0 Oil Content, Paraffin Wax	\$120.00
4629.5 Distillation	\$100.00	4663.0 Oxidation Stability Induction Period	\$150.00
4629.6 Distillation Lacquer Solvents Diluents	\$100.00	4664.0 Paraffins Aromatic Hydrocarbons	\$100.00



## PETROLEUM TESTING



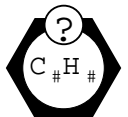
4665.1	Penetration Bituminous Materials	\$120.00	4683.1	Solubility	\$ 90.00
4665.2	Penetration Lube Grease (Unworked)	\$150.00	4683.2	Solubility in Various Solvents	\$130.00
4665.3	Penetration Lube Greases (Worked)	\$160.00	4684.0	Specific Gravity	\$100.00
4665.4	Penetration Paraffin Wax	\$140.00	4685.1	Sulfur, Lamp	\$180.00
4665.5	Penetration Petroleum	\$120.00	4685.2	Sulfur, High T	\$100.00
4665.6	Penetration - Reduced/Specified		4685.3	Sulfur, Bomb	\$200.00
	Penetration Residue	\$240.00	4685.4	Sulfur, X-Ray	\$100.00
4666.0	Pentane Insolubility Used Lube Oils	\$100.00	4686.1	Thermal Oxidation Stability	\$330.00
4667.0	Peroxide Content Styrene Monomer	\$160.00	4686.2	Thermal Stability Navy Fuel Oil	\$330.00
4668.1	Potentiometric pH Value-Water Solutions	\$ 50.00	4686.3	Thermal Value, Determination	\$150.00
4668.2	Potentiometric pH Value-Others	\$ 75.00	4686.4	Thermal Value Calculation	\$ 50.00
4669.0	Phosphorus in Gasoline	\$160.00	4687.0	Thiophene Content	\$160.00
4670.0	Polymer Content of Styrene	\$ 80.00	4688.0	Unulfonated Residue	\$120.00
4671.0	Petroleum Pona Analysis	\$500.00+	4689.0	Vapor Pressure, Reld	\$ 80.00
4672.1	Pour Point, Down to 0°F	\$ 75.00	4690.1	Viscosity Kinematic 110° or 122°F	\$ 80.00
4672.2	Pour Point, 0° to -60°F	\$ 90.00	4690.2	Viscosity Kinematic Other Temperatures	\$120.00
4673.0	Powr Factor Dielectric Constant	\$100.00	4690.3	Viscosity, Saybolt Furol	\$ 75.00
4674.0	Precipitation No	\$ 75.00	4690.4	Viscosity, Saybolt Universal	\$ 75.00
4675.0	Refractive Index	\$ 80.00	4690.5	Viscosity, Saybolt Other Temperatures	\$100.00+
4676.0	Rust Test	\$160.00	4690.6	Viscosity Asphalts Absolute	\$150.00
4677.1	Salt in Fresh Water Qualitative	\$ 96.00	4690.7	Viscosity Asphalts Kinematic	\$120.00
4677.2	Salt Content	\$130.00	4691.0	Visual Examination	\$ 50.00
4678.0	Saponification No Color Indicator	\$120.00	4692.1	Water by Distillation	\$ 80.00
4679.1	Sediment, Extraction	\$110.00	4692.2	Water Determination Karl Fischer	\$100.00
4679.2	Sediment, Hot Filtration	\$230.00	4692.3	Water & Sediment Centrifuge	\$ 50.00
4680.1	Smoke Point	\$120.00	4692.4	Water Reaction	\$ 75.00
4681.0	Softening Point	\$120.00	4692.5	Water In Transformer Oils	\$120.00
4682.0	Solidification Point Aromatic Hydrocarbons	\$130.00	4693.0	WSIM Aviation Turbine Fuels	\$330.00

## AIR TESTING



4845.1	Air Survey(O2 CO CO2 H2S Nat Gas)	\$475.00	4846.1	Special Methane Color Detector Tube	\$225.00
4845.2	Carbon Dioxide (CO2)	\$225.00	4846.11	Mold & Spores	\$100.00
4845.3	Carbon Monoxide (SCHO2)	\$225.00	4846.2	Monitoring For Bacteria(PDA Plate Count)	\$100.00
4845.4	Chlordane Color Detector Tube	\$225.00	4846.3	Nuisance Dust Total Each:	\$100.00
4845.5	Chlordane G.C.	\$350.00	4846.4	Oxygen	\$225.00
4845.6	Formaldehyde Color Detector Tube	\$225.00	4846.5	NYCLL #76 Sampling Technician	*
4845.7	Formaldehyde G.C.	\$350.00	4846.6	Total Combustible Gas/Natural	\$225.00
4845.8	Hydrogen Sulfide	\$225.00	4846.7	Lead Test of Dust Sample	\$150.00
4845.9	Lead Filter Analysis	\$100.00			

## HYDROCARBON TESTING

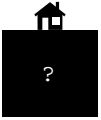


4850.1	Water (SM 503A) Oil & Grease	\$150.00	4854.1	Water (EPA 602) Benzene Toluene Xylenes (BTX)	\$225.00
4850.2	Soil (SM 503A) Oil & Grease	\$150.00	4854.2	Soil(EPA 602)Benzene Toluene Xylenes(BTX)	\$250.00
4850.3	Water(SM 503B IR) Oil & Grease	\$150.00	4854.3	Water (EPA 602) Benzene Toluene Ethyl Benzene Xylenes (BTX)	\$270.00
4850.4	Soil (SM 503B IR) Oil & Grease	\$150.00	4854.4	Soil (EPA 602) Benzene Toluene Ethyl Benzene Xylenes (BTX)	\$320.00
4851.1	Water (SM 503A) (Grav.) Total Petro	\$190.00	4855.1	Water(EPA602 18020) Purgeable Aromatics	\$295.00
4851.2	Soil (SM 503A) (Grav.) Total Petro	\$270.00	4855.2	Soil (EPA 602) Purgeable Aromatics	\$340.00
4852.1	Water (EPA 418) (IR) Total Petro	\$190.00			
4852.2	Soil (EPA 418) (IR) Total Petro	\$235.00			
4853.1	Water (NYSDOH 310-13) (GC) Total Petro	\$350.00			
4853.2	Soil (NYSDOH 310-13) (GC) Total Petro	\$375.00			



## WASTE CHARACTERIZATION

4870.1	RCRA (EPA 1010) Ignitability	\$110.00	4875.1	RCRA (Atom Absorption) EP Toxicity-Metals	\$250.00
4870.2	NJ-ID-27 (EPA 1010) Ignitability	\$110.00	4875.2	NJ-ID-27 (Atom Absorption) EP Toxic-Metals	\$250.00
4871.1	RCRA (Potentiometric) Corrosivity	\$ 50.00	4875.3	NJ-ID-27 (EPA1311) TCLP Extraction-Metals	\$250.00
4871.2	NJ-ID-27 (Potentiometric) Corrosivity	\$ 50.00	4876.1	RCRA (EPA 608) EP Toxic Pesticide/Herbicide	\$700.00
4872.1	RCRA (EPA 9010) Reactivity-Cyanide	\$325.00	4876.2	NJ-ID-27 (EPA 608) PCBs	\$425.00
4872.2	NJ-ID-27(EPA 9010) Reactivity-Cyanide	\$325.00	4877.2	NJ-ID-27 (EPA 418.1) Total Petro	\$270.00
4873.1	RCRA (EPA 9030) Reactivity-Sulfide	\$400.00	4878.0	RCRA EPA SW-Formaldehyde in Solids	\$250.00
4873.2	NJ-ID-27 (EPA 9030) Reactivity-Sulfide	\$400.00	4878.1	NJ-ID-27(EPA3560) Acid/Base Partition	\$150.00
4874.1	RCRA (EPA 1310) EP Toxicity-Extraction	\$170.00	4878.2	NJ-ID-27(EPA3611) Alumina Column	\$150.00
4874.2	NJ-ID-27 (EPA 1310) EP Toxicity-Extraction	\$150.00			



## SOIL TESTING

4980.0	Attenberg Limits (Liquid Plastic)/Per Test	\$270.00	4993.3	Permeability Granular(Constant Head)	\$700.00
4981.0	Calif Bearing Ratio (Laboratory)/Per Test	\$650.00	4993.4	Petrographic Examination(Rock)	\$700.00
4982.0	Classification	\$350.00	4993.5	pH of Soil/Per Test	\$ 75.00
4982.1	Classification Soil & Aggregate	\$350.00	4993.6	pH Content	\$ 75.00
4983.0	Coefficient & Geosynthetic Friction (Direct Shear)	\$1500.00	4993.7	Phosphorus Content/Per Test	\$ 50.00
4984.0	Consolidation	\$900.00	4993.8	Plastic Limit/Per Test	\$120.00
4984.1	Consolidation/Rebound Cycle	\$440.00	4993.9	Plasticity Index	\$ 50.00
4985.1	Description & Identification	\$ 75.00	4993.10	Potassium Content	\$ 50.00
4986.0	Direct Shear (Unconsolidated/Drained)/Test	\$650.00	4993.11	Proctor-Standard	\$170.00
4986.1	Direct Shear (Consolidated/Drained)/Test	\$750.00	4993.12	Proctor-Modified	\$170.00
4987.0	Field Technician (Nuclear Densometer)	*	4994.0	QC Geotech Technician (5 Hr Min)/Per Hr	\$140.00
4987.1	Field Tech. (Rubber Balloon) (Sand Cone)	*	4994.1	Resistivity(Specific Conduct)	\$550.00
4987.2	Flat & Elongated Particles	\$130.00	4995.0	Salinity Analysis	\$500.00
4987.3	Footing Bottom Inspection	\$800.00	4995.1	Shelby Tube Extrusion/Tube	\$100.00
4988.0	Grain Size Analysis (Mechanical)	\$110.00	4995.2	Sieve Analysis	\$ 80.00
4989.0	Hydrolic Conduct (Flex Conduct Permeameter)	\$700.00	4995.3	Soundness/Magnesium Sulfate	\$550.00
4989.1	Hydrometer Analysis	\$450.00	4995.4	Specific Conductance (Resist)	\$550.00
4990.0	In-Place Density Test/Per Test	\$ 50.00	4995.5	Specific Gravity	\$100.00
4990.1	Lead Content	\$ 75.00	4995.6	Sulfate Content	\$150.00
4990.2	Lead Content Digestion	\$ 50.00	4995.7	Supervision (PE) (5 Hr Min)/Hr	\$190.00
4990.3	Liquid Limit/Per Test	\$120.00	4996.0	Tensile Properties of Geotextiles (Wide-Width Strip)	\$800.00
4990.4	Load Test(Per Test Load)/Job	*	4996.1	Tensile Strength	\$350.00
4990.5	Load Test(M&D & Equip.)	*	4996.2	Thermal Resistivity	\$1600.00
4990.6	Load Test(Each Add'l Day)	*	4996.3	Total Organic Content	\$100.00
4991.0	Max Index & Unit Weight	\$170.00	4996.4	Triaxial Compression(Undrained)	\$650.00
4991.1	Measurement Collapse Potential Soil	\$1700.00	4996.5	Triaxial Compression (Rock)	\$1700.00
4991.2	Min Index & Unit Weight	\$170.00	4996.6	Triaxial Compress (Consolidated/Undrained)	\$950.00
4991.3	Moisture Content	\$ 50.00	4996.7	Triaxial Compression(Drained)	\$950.00
4991.4	Nitrogen Content	\$ 60.00	4997.0	Unconfined Compression	\$330.00
4991.5	Nutrients(Nitrogen Phosphate Potassium)	\$180.00	4997.1	Unconfined Compression (Rock)	\$180.00
4992.0	Organic Content/Per Test	\$ 70.00	4997.2	Unified Classification/Test	\$550.00
4992.1	1-Dimension Consolidation Properties (Control-Strain Load)	\$1500.00	4997.3	Unified Classification(Visual)	\$ 75.00
4992.2	1-Dimension Swell	\$1700.00	4998.0	Volatile Organics/Test	\$600.00
4993.0	Penetrometer (Cone)(+Tech)	\$250.00	4999.0	Wash Sieve Analysis/Per Test	\$130.00
4993.1	Penetrometer (Cone)/Field Tech(+Tests)	\$1000.00	4999.1	Water Content Soil & Rock In-Place(Nuclear)	\$ 50.00
4993.2	Percolation Test, Requires Rig, Hours & Depth Fees/Per Test	\$700.00			

\* Fees on Request



## SOIL BORING & DRILLING



5000.0	Backhoe/Per Diem	\$1500.00	5006.1	Mobilization & Demobilization Skid Drill Rig/Diem	\$1600.00
5001.0	Bldg Dpt Amend's/TR-1 (Per Sign-On/Off)	\$370.00	5006.2	Mobilization&Demobil Tripod Drill Rig/Diem	\$1600.00
5002.0	NYC Parks Department Camera Photo Wash-Off Print	\$250.00	5006.3	Mobilization&Demobil Bombardier Drill Rig	\$2500.00
5003.0	Disposal Drill Cutting (Non-Hazmat)/Drum	\$900.00	5006.4	Mobilization&Demobil Barge & Drill Rig	\$3500.00
5003.1	Disposal Drill Water (Non-Hazmat)/Drum	\$650.00	5007.0	Monitoring Well Install(2" PVC)/LineFoot	\$80.00
5003.2	Disposal Drill Cutting (Hazardous)/Drum	\$2000.00	5007.1	Monitoring Well Install(4" PVC)/LineFoot	\$85.00
5003.3	Disposal Drill Water (Hazardous)/Drum	\$1500.00	5007.2	Monitoring Well Locking Cap/Per Cap	\$200.00
5004.0	Through Soil(to 40') (ASTMD1452) Linear Foot	\$50.00	5007.3	Monitoring Well Manhole Cover/Per Cover	\$250.00
5004.1	Through Soil(to 100') (ASTMD1452) Linear Foot	\$50.00	5007.4	Monitoring Well Development/Per Hour	\$160.00
5004.2	Through Soil(Over 100')/Linear Foot	\$50.00	5008.0	Percolation	\$700.00
5004.3	Through Soil(6 1/4" ID)/Per Linear Foot	\$50.00	5008.1	Permeability (Wash Sieve Analysis)	\$130.00
5004.4	Through Rock/Per Linear Foot	\$90.00	5008.2	PE Supervision (5 hours Min)/Per Hour	\$190.00
5004.5	Drums Disposal Hazardous Waste/Drum	\$130.00	5009.0	Shelby Tube (ASTM D1587)/Per Tube	\$100.00
5005.0	Highway Dept Permit (Expediting)/Project	\$500.00	5009.1	Split Spoon Sample (ASTM D1586)/Sample	\$50.00
5005.1	Highway Department Permit/Protected Streets (+Exped)	\$720.00	5009.2	Steam Clean Equipment/Per Diem	\$900.00
5005.2	Highway Department Permit/Unprotected Street (+Exp)	\$270.00	5009.3	Surveyor/Per Hour	\$190.00
5006.0	Mobilization & Demobil Truck Mount Drill Rig	\$1000.00	5010.0	Test Pits(3'x3'x3')/Per Pit	\$1200.00
			5010.1	Test Pits(3'x3'x4')/Per Pit	\$1500.00
			5010.2	Test Pits(3'x3'x5')/Per Pit	\$1700.00
			5010.3	Test Pits/Per Cubic Yard	*

## METAL TESTING



4901.0	AA-DIRECT (EPA 202.1)Aluminum	\$80.00	4913.3	Lead Test of Dust Sample	\$150.00
4901.1	AA-FURNACE (EPA 202.1)Aluminum	\$100.00	4913.4	Lead Test of Paint Sample	\$150.00
4902.0	AA-FURNACE (EPA 204.1)Antimony	\$100.00	4914.1	AA-DIRECT (EPA 242.1) Magnesium	\$80.00
4903.0	AA-FURNACE (EPA 206.2)Arsenic	\$100.00	4915.1	AA-DIRECT (EPA 243.1) Manganese	\$80.00
4904.0	AA-DIRECT (EPA 208.1)Barium	\$80.00	4915.2	AA-FURNACE (EPA 243.1) Manganese	\$100.00
4904.1	AA-FURNACE (EPA 208.1)Barium	\$100.00	4916.1	AA-DIRECT (EPA 245.1) Mercury	\$140.00
4905.0	AA-DIRECT (EPA 210.1)Beryllium	\$80.00	4917.1	AA-DIRECT (EPA 246.1) Molybdenum	\$80.00
4905.1	AA-FURNACE (EPA 210.1)Beryllium	\$100.00	4917.2	AA-FURNACE (EPA 246.1)Molybdenu	\$100.00
4906.0	AA-DIRECT (EPA 212.3) (Colorimetric) Boron	\$80.00	4918.1	AA-DIRECT (EPA 249.1) Nickel	\$80.00
4907.0	AA-DIRECT (EPA 213.2) Cadmium	\$80.00	4919.1	AA-DIRECT (EPA 258.1) Potassium	\$80.00
4907.1	AA-FURNACE (EPA 213.2) Cadmium	\$100.00	4920.1	AA-FURNACE (EPA 270.2) Selenium	\$100.00
4908.0	AA-DIRECT (EPA 215.1) Calcium	\$80.00	4921.1	AA-DIRECT (EPA 370.1) Silicon	\$80.00
4909.0	AA-DIRECT (EPA 218.1) Chromium, Total	\$80.00	4921.2	AA-FURNACE (EPA 370.1) Silicon	\$100.00
4909.1	AA-FURNACE(EPA218.1)Chromium, Total	\$100.00	4922.1	AA-DIRECT (EPA 272.1) Silver	\$80.00
4909.2	AA-DIRECT (EPA 218.4) (Colorimetric) Chromium Hexavalent	\$80.00	4922.2	AA-FURNACE (EPA 272.1) Silver	\$100.00
4910.0	AA-DIRECT (EPA 219.1)Cobalt	\$80.00	4923.1	AA-DIRECT (EPA 273.1) Sodium	\$80.00
4911.1	AA-DIRECT (EPA 220.1)Copper	\$80.00	4924.1	AA-FURNACE (EPA 279.1) Thallium	\$100.00
4911.2	AA-FURNACE (EPA 220.1)Copper	\$100.00	4925.1	AA-DIRECT (EPA 282.1) Tin	\$80.00
4911.7	AA-DIRECT (ASTM E1446) Gold	\$170.00	4925.2	AA-FURNACE (EPA 282.1) Tin	\$100.00
4911.8	AA-FURNACE (ASTM E1600) Gold	\$350.00	4926.1	AA-DIRECT (EPA 283.1) Titanium	\$80.00
4912.1	AA-DIRECT (EPA 236.1)Iron	\$80.00	4926.2	AA-FURNACE (EPA 283.1) Titanium	\$100.00
4912.2	AA-FURNACE (EPA 236.1)Iron	\$100.00	4927.1	AA-DIRECT (EPA 286.1) Vanadium	\$80.00
4913.1	AA-DIRECT (EPA 239.1) Lead	\$80.00	4927.2	AA-FURNACE (EPA 286.1) Vanadium	\$100.00
4913.2	AA-FURNACE (EPA 239.1) Lead	\$100.00	4928.1	AA-DIRECT (EPA 289.1) Zinc	\$80.00
			4928.1	Metal Failures	*

\* Fees on Request



## STEEL TESTING

4960.0	Additional Elements(ASTM E50/FEDSTD151) Each	\$ 80.00	4968.4	Proof Load of Nuts	\$350.00
4960.1	Additional Coupons or Fillings (AWS)	\$350.00	4969.0	Recommendation of Welding Rods/Each	\$650.00
4960.2	Anchor Bolt Pull-Out/Set-Up(NYC Code)	\$900.00	4969.1	Reduction of Area in Tension	\$140.00
4960.3	Anchor Bolt Pull-Out/Per Test	\$300.00	4969.2	Reinforcing Steel Technician	*
4961.0	Bolts Wedge Tension	\$350.00	4970.0	SEM Fractography(Fracture Type)	\$900.00
4961.1	Bolt & Nut Rotational Capacity	\$140.00	4970.1	Shear-Welded Wire Fabric	\$100.00
4961.2	Bend Test on Rebar or Wire	\$100.00	4970.2	Sheeting & Shoring Inspection (PE)	\$750.00
4961.3	Bend Test for Ductility of Welds	\$100.00	4970.3	Skidmore Rental/Per Diem	\$100.00
4961.4	Bolting Technician	\$550.00	4970.4	Skidmore-Wilhelm Bolt Tension Calibration	\$250.00
4962.0	Charpy V-Notch(Incl. Machining)	\$450.00	4970.5	Skidmore-Wilhelm Bolt Tension Adjustment	\$100.00
4962.1	Chemical Analysis(To 7 Elements)	\$550.00	4970.6	Specific Gravity	\$150.00
4962.2	Coupon Cutting or Filings	\$800.00	4970.7	Stress Rupture Test(Prep. & Test)	\$450.00
4963.0	Deformation & Spacing	\$150.00	4971.0	Tensile Test(Machined Sample Size 1" 9")	\$475.00
4963.1	Dimension Variations Washers	\$ 70.00	4971.1	Tensile Test High Strength Bolts	\$220.00
4963.2	Dimensions of Bolts	\$ 70.00	4971.2	Tensile Test of Rebar(Yield+Elongation)	\$250.00
4963.3	Dimensions of Nuts	\$ 70.00	4971.3	Tensile Test of Weld Metals	\$250.00
4963.4	Double Shear of Bolts(Mil Std 1312)	*	4971.4	Torque Wrench Calibration/Each	\$250.00
4963.5	Dye-Penetrant Inspection/Diem	\$600.00	4971.5	Tube-to-Tube Sheet Pull Test	\$200.00
4964.0	Field Welding Technician	*	4972.0	Ultrasonic Inspection of Welds	\$700.00
4964.1	Fabrication Shop Welding Technician	\$550.00	4972.1	Ultrasonic Thickness Inspection	\$700.00
4965.0	Grain Size (2"x3")/Per Sample	\$450.00	4972.2	Unit weight of Re-bar or Re-bar Coating	\$150.00
4966.0	Hardness Brinell/Per Test	\$ 90.00	4973.0	Weight of Coating, Zinc(ASTM A123)	\$350.00
4966.1	Hardness Knoop Micro(Mount & Test)	\$480.00	4973.1	Weight of Coating, Zinc(ASTM A153)	\$160.00
4966.2	Hardness Rockwell/Per Test	\$ 90.00	4973.2	Weight of Coating, Zinc(ASTM A525)	\$160.00
4966.3	Hydrostatic Test(ITL Procedure)	\$550.00	4974.0	Welder Qualifications	\$450.00
4967.0	Macroetching Metal & Alloys	\$350.00	4974.1	Welder Qualifications(Add'l)/Each	\$250.00
4967.1	Macro-Test(Procedure)	\$450.00	4974.2	Welding Insp/Field Tech(NYC Bldg Codes)	\$450.00
4967.2	Macro-Test(Performance)	\$450.00	4975.0	Wire Mesh Fence/Breaking Strength	\$350.00
4967.3	Magnetic Particle Technician	*	4975.1	Wire Mesh Fence/Diameter	\$ 50.00
4967.4	Metallograph Evaluation (Crack Propagation)	\$750.00	4975.2	Wire Mesh Fence/Thickness	\$100.00
4967.5	Microstructure Photo/Per Photo	\$120.00	4975.3	Wire Mesh Fence/Weight of Coating	\$250.00
4967.6	Nut Cone Proof Load	\$180.00	4975.4	Wire Mesh Fence/Mesh Measurements	\$ 70.00
4968.0	Paint Thickness (Elrometer)/Per Insp	\$650.00	4975.5	Wire Mesh Fence/(Vinyl Coat)/Bond	\$300.00
4968.1	Penetrant Supplies/Set	\$ 70.00	4975.6	Wire Mesh Fence/(Vinyl Coat)/Adhesion	\$150.00
4968.2	Pile Driving Inspection(PE)	*	4975.7	Wire Mesh Fence/(Vinyl Coat)/Mandrell Bend	\$350.00
4968.3	Pile Driving Inspection(Tech. NYC Bldg Code)	*	4976.0	Steel Failures	*



## ROOF TESTING

4940.0	Field Technician (Installation)	*	4945.0	Type of Pitch/Per Test	\$190.00
4941.0	Field Sampling Technician	*	4945.1	Transm. Electron Microscope	\$270.00
4942.0	Roofing Per Sample Taken/Each	\$ 50.00	4946.0	Cold Patching Sample Holes/Per Bldg	\$600.00
4942.1	Asbestos Bulk Sample Analysis/Sample	\$ 75.00	4947.0	Hot Patching Sample Holes/Per Bldg	\$950.00
4942.2	Density for Bituminous	\$170.00	4948.0	Nuclear Densometer Moist Analysis/Diem	\$1600.00
4943.0	Moisture (Total)/Per Test	\$150.00	4949.0	Color Blueprint with Histogram/Building	\$700.00
4943.1	Moisture for Soil/Per Test	*	4950.0	Roof Failures & Leaks	*
4944.0	Weight of Bitumen slag # plies/Per Test	\$350.00			



## GENERAL NOTES



### ASSESSED DEFECTS or DETERIORATING CONDITIONS NOTED IN ANY REPORT

Any major or minor assessed defects or deteriorating conditions noted in any report may result in diminished functioning, system support or failure. This includes, but is not limited to: electrical and mechanical systems, piping, foundations, floors, walls, ceilings, beams, joists, columns, partitions, roofs, etc. Such defects or deterioration may have resulted from improper construction; improper maintenance; improper use; wear and tear; insect or micro-organism infestation; oxidation; erosion; etc.. Corrective measures for such noted defects or conditions should be anticipated.

### WIND STORM DAMAGE

Generated reports do not certify that structures can withstand wind storm damage. If such certification is required, the engagement of a licensed Architect or Engineer will be necessary.

### APPLIANCES

Refrigerators, clothes and dish washing machines, clothes-dryers, lighting fixtures, ranges, and all electrical appliances are not checked. They are considered personal items and are not part of the real property and can be easily removed from the premises after inspection is completed.

### INACCESSIBLE AREAS & EQUIPMENT

All areas, spaces, equipment, devices, conditions, etc. that are not available to inspect or test, for whatever reason (locked, occupant, owner, broker, representative, attorney, or whoever would not permit the inspection) **Accurate Building Inspectors®** cannot and will not be held responsible for any item or condition that is not inspected as a result of no access. It is the responsibility of the client (interested party or their representative) to insure that all spaces and equipment are available to be inspected at the scheduled time.

### ENVIRONMENTAL HAZARDS

To determine environmental hazards, the only acceptable method is to take samples of the suspected material, air and/or perform special laboratory analysis, as described in our fee schedule and this CATALOG. There are additional fees for medical diseases investigation, asbestos, lead testing, radon screening, etc. These tests may be required by your lending institution. This service must be requested by you prior to, or at the time of the inspection. If this service is not requested and an environmental determination hazard is required, it is advisable that you engage an independent testing laboratory. Many laboratories have the facilities for determining environmental hazards and/or conditions, such as: geological analysis (sub-strata), buried fuel and water tanks, asbestos, radon, lead, water contamination, pollutants, toxicants, carcinogens, etc.. It is advisable that you engage a qualified testing laboratory to determine such hazards.

### STANDARDS & PRACTICES

**Accurate Building Inspectors®** makes no representation whether a structure inspected is in compliance with Local, Municipal, State and/or Federal code requirements. The inspection would be performed and noted, in compliance with standards and practices of the private building inspection industry. The signature inspector is the sole judge of the content of the report. If you require further information pertaining to the legality of the structure and all of its amenities, an extensive architectural or engineering study will have to be made. An architect or engineer would have to be engaged to investigate all the records on file at the various agencies having jurisdiction.

It should be understood there are many conditions within and without the structure that can only be determined by a time-study and/or the inspector must be present when the condition(s) occur. We advise, that if you require a more definitive evaluation of the structure, its elements and possible

hidden defects (which occur intermittently or so slowly that a single inspection would not be sufficient to detect it), the engagement of an architect or engineer to perform a time-study is necessary. It should be understood that time-studies are expensive.

### LEVEL I BUILDING INSPECTION

Consists of a visual, non-invasive inspection of the structure in question, adhering to the minimum standards and requirements set forth by the building inspection industry, ASHI (American Society of Home Inspectors). It does not include code compliance (local, state or national [see: ABI's catalog]), as a pre-requisite, if desired or required by the client. This would be included in a Level II Building Inspection.

### LEVEL II BUILDING INSPECTION

Consists of an in-depth and more definitive engineering, architectural, scientific, instrumentation, geological (sub-strata), medical diseases investigation, time-study inspection, laboratory testing, of contaminants, pollutants, toxicant, carcinogens, evaluation in and around the structure and code compliance. This type of inspection requires extensive time and material and is considerably more expensive than a Level I Building Inspection. This type of inspection is required if the client is in need of more information about the structure or if a discovery in the Level I Inspection calls for further study and evaluation. The decision for a Level II Inspection is solely up to the client, or other interested parties. Level II Inspections can not be performed by any firm that performs the Level I Inspection.

### LEVEL I or LEVEL II BUILDING UPGRADE

Consists of bringing the structure into code compliance, repair, overhaul, upgrade, replacement, removal, introduction, etc. of any and all the items found and recommended in the Level I or II Building Inspections.

### BUILDING RE-INSPECTION

This service may be performed after completion of a building upgrade, but not by the same firm that performs the Level I or Level II Building Inspection on the particular structure. Therefore, **Accurate Building Inspectors®** is precluded from performing Level I or Level II re-inspection, if we performed the original inspection. However, we can perform these re-inspections if we did not perform the original Level I or Level II Building Inspection.

### NON-TRANSFERABLE

The reports are for your personal use and evaluation and are not transferable to a third party. (Not to be given or sold to any person or entity that has now, or in future, interest in the inspected property or structure). **Accurate Building Inspectors®** makes no representations of warranties or guarantees and shall not be responsible or liable for any action, inaction or the consequences thereof in connection with or reliance upon this report. **This report is not an insurance policy!!!**

### TO BUY OR NOT TO BUY

The reports and their contents should not be construed in any way as advice to buy or not to buy the property in question.

### PRE-CLOSING INSPECTION

If a structure in question is purchased, we recommend you preform a Pre-closing inspection a few days before closing, to insure that all items, condition and equipment are the same, as they were at the time of this inspection.

We recommend, that you go through the structure with the owner or someone familiar with the operation of all the equipment and its functions, on how to operate and maintain the building equipment with safety and efficiency to the occupants.



## THE METRIC SYSTEM

Units of weights & measure, International (Metric) & US Customary System  
From: US Department of Commerce/National Bureau of Standard

### WEIGHTS

<i>Metric Denominations and Values</i>			<i>Equivalents In Denominations In Use</i>		
Names		No. Grams	Quantity of water at maximum density		Avoirdupois weight
Tonneau	=	1,000,000.0	=	1 cubic meter	= 2204.6 pounds
Quintal	=	100,000.0	=	1 hectoliter	= 220.46 pounds
Myriagram	=	10,000.0	=	10 liters	= 22.046 pounds
Kilogram or kilo	=	1,000.0	=	1 liter	= 2.2046 pounds
Hectogram	=	100.0	=	1 deciliter	= 3.5274 ounces
Dekagram	=	10.0	=	10 c. centimeters	= 0.35274 ounce
Gram	=	1.0	=	1 c. centimeter	= 15.432 grains (Act of US Congress)
Decigram	=	0.1	=	.1 c. centimeter	= 1.5432 grains
Centigram	=	0.01	=	10 c. millimeters	= 0.15432 grain
Milligram	=	0.001	=	1 c. millimeter	= 0.015432 grain

### MEASURES OF LENGTH

<i>Metric Denominations and Values</i>			<i>Equivalents In Denominations In Use</i>		
Myriameter	=	10,000.0 meters	=	6.213 miles	
Kilometer	=	1,000.0 meters	=	0.62137 mile, or 3,280 feet 10 inches	
Hectometer	=	100.0 meters	=	328.0 feet and 1 inch	
Dekameter	=	10.0 meters	=	39.37 inches	
Meter	=	1.0 meter	=	39.37 inches (Act of US Congress)	
Decimeter	=	0.1 meter	=	3.937 inches	
Centimeter	=	0.01 meter	=	0.3937 inch	
Millimeter	=	0.001 meter	=	0.0394 inch	

### MEASURES OF SURFACE

<i>Metric Denominations and Values</i>			<i>Equivalents In Denominations In Use</i>		
Hectare	=	10,000 square meters	=	2.471 acres	
Are	=	100 square meters	=	119.6 square yards	
Centare	=	1 square meter	=	1,550.0 square inches	

### MEASURES OF CAPACITY

<i>Metric Denominations and Values</i>			<i>Equivalents In Denominations In Use</i>		
Names	No. Litres	Cubic Measure	Dry Measure		Wine Measure
Kiloliter	= 1,000.0	= 1.0 cubic meter	= 1.208 cubic yards	=	264.17 gallons
Hectoliter	= 100.0	= 0.1 cubic meter	= 2.0 bush 3.35 pecks	=	26.417 gallons
Decaliter	= 10.0	= 10.0 c. decimeters	= 9.0822 quarts	=	2.6417 gallons
Liter	= 1.0	= 1.0 c. decimeter	= 0.9082 quart	=	1.0567 quarts
Deciliter	= 0.1	= 0.1 c. decimeter	= 6.1022 cubic inches	=	0.845 gill
Centiliter	= 0.01	= 10.0 c. centimeters	= 0.61022 cubic inch	=	0.338 fluid oz.
Milliliter	= 0.001	= 1.0 c. centimeters	= 0.06102 cubic inch	=	0.27 fluid oz.

### U.S. WEIGHTS AND MEASURES

<i>Square Measure (Measures of Surface)</i>						<i>Long Measure (Measures of Length)</i>						
Sq. Inches	Sq. Feet	Sq. Yards	Sq. Rods	Roods	Acre	Inches	Feet	Yards	Fathoms	Rods	Furlongs	Mile
144 =	1.0					36 =	3.0 =	1.0				
1,296 =	9.0 =	1.0				72 =	6.0 =	2.0				
3,920 =	272.25 =	301.25 =	1.0			198 =	16.5 =	5.5 =	2.5			
1,568,160 =	10,890.0 =	1,210.0 =	40.0 =	1.0		7,920 =	660.0 =	220.0 =	11.0 =	40.0		
6,272,640 =	43,560.0 =	4,840.0 =	160.0 =	4.0 =	1.0	63,360 =	5,280.0 =	1,760.0 =	880.0 =	320.0 =	8.0 =	1.0
						6,080.26 =	1.15 statute miles =	1 nautical mile				

640 Are = 1.0 square mile  
An Acre = square with sides 69.57 yards or sides 208.71 feet



## TABLES & CHARTS

### LIQUID OR WINE MEASURE

The US standard gallon = 231 cubic inches = 8.33888 pounds avoirdupois of pure water, at about 39.85 degrees F. the barometer at 30 inches.

Gill	Pint	Quart	Gallon	Tierce	Hogshead	Punch	eon	Pipe	Tun	Cubic In.
4 =	1 =									= 28.87
4 =	2 =	1 =								= 57.75
32 =	8 =	4 =	1 =							= 231.0
1,344 =	336 =	168 =	42 =	1.0						
2,016 =	504 =	252 =	63 =	1.5	=	1.0				
2,488 =	672 =	336 =	84 =	2.0	=	1.5	=	1.0		
4,032 =	1,008 =	504 =	126 =	3.0	=	2.0	=	1.5 = 1.0		
8,064 =	2,016 =	1,008 =	252 =	6.0	=	4.0	=	3.0 = 2.0 = 1.0		

1 Liter = 61.022 cubic inches (Act of US Congress)

1.8 x Centigrade + 32 degrees = Fahrenheit

Fahrenheit - 32 degrees x .5566 = Centigrade

A cubic foot = 7.5 gallons

The British imperial gallon = 277.27 cubic inches = 1.2 US gallons

### USEFUL DATA

- To find circumference of a circle, multiply (x) diameter by 3.1416.
- To find diameter of circle, multiply (x) circumference by .31831.
- To find area of a circle, multiply (x) square of diameter by .7854.
- To find surface of a ball multiply (x) square of diameter by 3.1416.
- Area of a rectangle = length multiplied (x) by breadth. Doubling the diameter of a circle increases its area four times.
- To find region of a triangle, multiply (x) base by the perpendicular height and then divide (÷) by 2.
- Area of ellipse = product (x) of both diameters x .7854.
- Area of parallelogram base x altitude.
- To find side of an inscribed square, multiply (x) diameter by 0.7071 or multiply (x) circumference by 0.2251 or divide (-) circumference by 4.4428.
- Side of inscribed cube radius of sphere x 1.1547.
- To find side of an equal square, multiply (x) diameter by .8862 Square.
- A side multiplied (x) by 1.4142 equals diameter of its circumscribing circle.
- A side multiplied (x) by 4.443 equals circumference of its circumscribing circle.
- A side multiplied (x) by 1.128 equals diameter of an equal circle.
- A side multiplied (x) by 3.547 equals circumference of an equal circle.
- To find cubic inches in a ball, multiply (x) cube of diameter by .5236.
- To find cubic contents of a cone, multiply area of base by the altitude.
- Surface of frustum of cone or pyramid sum of circumference of both ends x 1/2 slant height plus area of both ends.
- Contents of frustum of cone or pyramid = multiply (x) area of two ends and get square root. Add the 2 areas and x altitude.
- Doubling the diameter of a pipe increases its capacity four times.
- A gallon of water (US standard) weighs 8 lbs. and contains 231 cubic inches.
- A cubic foot of water contains 7 1/2 gallons, 1728 cubic inches, and weight 62 1/2 lbs.
- To find the pressure in pounds per square inch of a column of water, multiply (x) the height of the column in feet by .434.
- A standard horse power: the evaporation of 30 pounds of water per hour from a feed water temperature of 100 degree F into steam at 70 pounds gauge pressure.
- To find capacity of tanks any size, given dimensions of a cylinder in inches, to find its capacity in US gallons: square the diameter, multiply (x) by the length and by .0034.
- To ascertain heating surface in tubular boilers, multiply (x) % the circumference of boiler by length of boiler in inches and add to it the area of all the tubes.

### UNITED STATES & METRIC CONSTANTS

Note: To convert measures from United States to metric constants, reverse multiplication (x) process to division (÷), and division (÷) to multiplication (x), as necessary.

#### Long Measure

Millimeters	x	0.03937	=	inches
Millimeters	x	25.4	=	inches
Centimeters	x	0.3937	=	inches
Centimeters	÷	2.540.1	=	inches
Meters	x	39.37	=	inches
Meters	x	3.281	=	feet
Meters	x	1.094	=	yards
Kilometers	x	0.6214	=	miles
Kilometers	x	3280.8	=	feet
Kilometers	÷	1.6093	=	miles

#### Square Measure

Square Millimeters	x	0.00155	=	square inches
Square Millimeters	÷	645.2	=	square inches
Square Centimeters	x	0.155	=	square inches
Square Centimeters	÷	6.452	=	square inches
Square Meters	x	1550.003	=	square inches
Square Meters	x	10.764	=	square feet
Square Meters	x	1.196	=	square yards
Square Kilometers	x	247.1	=	acres
Hectares	x	2.471	=	acres

#### Cubic measure

Cubic Centimeters	x	0.06102	=	cubic inches
Cubic Centimeters	+	3.69	=	fluid drachms (USP)
Cubic Centimeters	÷	29.57	=	fluid ounce (USP)
Cubic Meters	x	35.315	=	cubic Wet
Cubic Meters	x	1.308	=	cubic yards
Cubic Meters	x	264.2	=	gallons (231 cubic inches)

#### Liquid Measure

Liters	x	61.022	=	cubic inch (Act of Congress)
Liters	÷	33.84	=	fluid ounces (US Phar.)
Liters	x	0.2642	=	gallons (231 cubic inches)
Liters	÷	3.78	=	gallons (231 cubic inches)
Liters	x	28.316	=	cubic feet
Hectoliters	x	3.31	=	cubic feet
Hectoliters	x	2.84	=	bushels (2150.42 cubic inches)
Hectoliters	x	0.131	=	cubic yards
Hectoliters	x	26.42	=	gallons (231 cubic inches)

#### Weights

Grams	x	15.432	=	grams (Act of Congress)	
Grams	x	981.0	=	dynes	
Grams (water)	÷	29.57	=	fluid ounces	
Grams	x	28.35	=	ounces avoirdupois	
Grams	x	0.0353	=	ounces	
Grams per cubic cent.	÷	27.7	=	pounds per cubic inch	
Joule	x	0.7373	=	foot pounds	
Kilograms	x	2.2046	=	pounds	
Kilograms	x	35.3	=	ounces avoirdupois	
Kilograms	÷	907.2	=	tons (2,000 pounds)	
Kilograms	x	per square centimeter	14.223	=	pounds per square inch



## LAWRENCE UBELL



### **President, Chief Inspector**

Construction Coordinator, Designer.  
Licensed Inspector: New York, New Jersey, Massachusetts and Connecticut  
Member of American Society of Home Inspectors (ASHI); WNYC Talk-Radio (Guru-of-How-To); ABC Video ENG.; Brooklyn College (Video Technology); Pratt Institute (Architecture); NYC Air Resources (Air Pollution); NYS Energy Office (Energy Saving Technology); Purdue University (Pest Control Technology); NYS Indoor Pollutants Technology; Institute of Electrical & Electronics Engineers (IEEE) (Electrical Systems Technology); Department of Environmental Protection (Boiler & Air Pollution Technology); NYS Radon Screening Technology; Joined Accurate Building Inspectors® in 1983.

## ALVIN UBELL



### **Vice President, Senior Inspector**

Founder: Accurate Building Inspectors® 1961  
ASHI Member, Retired  
*ABC-TV:* (Good Morning America). *ABC-Talk-Radio.* WNYC-Radio (Guru-of-How-To). *Spokesperson for:* General Electric; Slant/Fin; Carrier; Rust-Oleum; Black & Decker; Owens-Corning; Brooklyn Union Gas. *Author:* Recipes for Home Repair & Al Ubell's Energy Savings Guide. *Awards:* US Consumer Products Safety Commission; Ronald McDonald House. Pratt Institute: (Architecture). Charter Member of the American Society of Home Inspectors (ASHI); Member of the American National Standards Institute (ANSI).

## MATTHEW BARNETT



### **Vice President, Senior Inspector**

Licensed Inspector: New York, New Jersey, Massachusetts and Connecticut  
Member of American Society of Home Inspectors (ASHI).  
N.Y.C. Technical College (Architecture/Engineering); City College (Architecture); NYC Air Resources (Air Pollution); N.Y.S. Energy Office (Energy Saving Technology); Purdue University (Pest Control); IBR Control Institute (Boiler & Heating Technology); University of Massachusetts (Lead Detection Technology); Institute of Electrical & Electronics Engineers (IEEE) (Electrical Systems Technology); Department of Environmental Protection (Boiler & Air Pollution Technology); Joined Accurate Building Inspectors® in 1986.

## ESTELLE UBELL



### **Secretary-Treasurer**

Co-founder & Staff Coordinator of Accurate Building Inspectors®;  
Active Member, Brooklyn Brownstone Conference;  
Active Member, Back to the City Movement;  
Brooklyn College, BA.

## GRANTLEY N. THORNHILL



### **Researcher, Draftsman, Computer Technician**

*Education:* College of Staten Island (A.A.S. Mechanical Engineering Technology), City College of New York (Mechanical Engineering), US Merchant Marine Academy (Welding, Pumps, & Air Conditioning & Refrigeration), US Naval Reserve (Engineering);  
Joined Accurate Building Inspectors® in 1998.

## JOANN BULLARD



### **Inspector Assistant, Client Liaison, Notary Public & Information Administrator**

*Education:* Drake Business School, Word Processing, Notary Public;  
Joined Accurate Building Inspectors® in 1999.

