



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest that

TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C.

24-37 46TH STREET
ASTORIA, NEW YORK 11103, U.S.A.

Special Inspection Agency SIA-212-NY (Type A)

has met the requirements of the applicable provisions of AC291, *IAS Accreditation Criteria for Special Inspection Agencies*, and has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*, Rules of City of New York, 1RCNY 101-06, and applicable New York City Building Code® Chapter 17, Section BC 1705. This organization is accredited to provide the services specified in the scope of accreditation.

Valid thru June 1, 2026
Effective Date June 19, 2024



International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C.

Contact Name Ayman Baki
Contact Name George Ghebryal

Contact Phone +1-718-640-1000

Accredited to ISO/IEC 17020:2012

Effective Date June 19, 2024

Section 5 of IAS AC291 is replaced by Rules of City of New York, 1RCNY 101-06, Appendix A and applicable New York City Building Code® Chapter 17, Section BC 1705.

Field and Types of Inspection		Inspection Procedures and Reference Documents	
Management System Documentation: QM Special Inspections, V13 (3-31-2023) applicable NYC Construction Codes and 1RCNY 101-06, Rules of the City of New York			
2014 Code Special Inspection	2014 Code Section	Corresponding 2022 Code Special Inspection	Corresponding 2022 Code Section
General Building Constructions			
Wall panels, curtain walls and veneer	BC 1704.10	Wall panels, curtain walls and veneer	BC 1705.20
Exterior insulation and finish systems (EIFS)	BC 1704.13	Combustible exterior wall coverings	BC 1705.16
Chimneys	BC 1704.26	Chimneys and vents	BC 1705.32
Flood zone compliance	BC 1704.29 BC G105	Flood zone compliance	BC 1705.34
Photoluminescent/luminous exit path markings	BC 1704.30 BC 1024.8	Luminous exit path markings	BC 1705.35 BC 1025.8
		Tenant Protection Plan Compliance	BC 1705.26
		Non potable Water Systems	BC 1705.38
		Exhaust and Vent Systems in plenums and ducts	BC 1705.39
Fire Protection Systems & Fire-Resistant Construction			
Sprayed fire-resistant materials	BC 1704.11	Sprayed fire-resistant materials	BC 1705.14
Mastic and intumescent fire-resistant coatings	BC 1704.12	Mastic and intumescent fire-resistant coatings	BC 1705.15
Smoke control systems	BC 1704.15	Smoke control system testing	BC 1705.18
Sprinkler systems	BC 1704.23	Sprinkler systems	BC 1705.29
Standpipe systems	BC 1704.24	Standpipe systems	BC 1705.30
Fire-resistant penetrations and joints	BC 1704.27	Fire-resistant penetrations and joints	BC 1705.17
Emergency and standby power systems (generators)	BC 1704.31	Emergency and standby power systems (generators)	BC 1705.36



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Plumbing & Mechanical Systems			
Mechanical systems	BC 1704.16	Mechanical systems	BC 1705.21
Fuel storage and fuel-piping systems	BC 1704.17	Fuel storage and fuel-piping systems	BC 1705.22
Soil percolation test – Private on-site water drainage disposal systems and detention facilities	BC 1704.21.1.2	Soil percolation tests – Private on-site water drainage disposal systems and detention facilities	BC 1705.27.1.2
Private on-site storm water disposal systems and detention facilities, Installation	BC 1704.21.2	Private on-site storm water disposal systems and detention facilities, Installation	BC 1705.27.2
On-site private sewage disposal systems	BC 1704.22	On-site private sewage disposal systems	BC 1705.28
Heating systems	BC 1704.25	Heating systems	BC 1705.31
Structural Materials & Construction Operations			
Structural Steel – Welding	BC 1704.3.1	Structural Steel – Welding	BC 1705.2.1
Structural Steel - Details	BC 1704.3.2	Structural Steel - Details	BC 1705.2.2
Structural Steel - High-strength bolts	BC 1704.3.3	Structural Steel - High-strength bolts	BC 1705.2.3
Structural Cold-formed steel	BC 1704.3.4	Structural Cold-formed steel	BC 1705.2.6
		Open-web Steel Joists and Joist Girders	BC 1705.2.7
Concrete - Cast-in-Place	BC 1704.4	Concrete - Cast-in-Place	BC 1705.3
Concrete - Prestressed	BC 1704.4	Concrete - Prestressed	BC 1705.3
Concrete - Precast	BC 1704.4	Concrete - Precast	BC 1705.3
Masonry	BC 1704.5	Masonry	BC 1705.4
Wood - High-load diaphragms	BC 1704.6.1	Wood - High-load diaphragms	BC 1705.5.1
Wood - Metal-plate- connected wood trusses	BC 1704.6.2	Wood - Metal-plate- connected wood trusses	BC 1705.5.2
Wood - Prefabricated I-Joists	BC 1704.6.3	Wood - Prefabricated I- Joists	BC 1705.5.3
		Construction Utilizing CLT or SCL, Type IV	BC 1705.5.6
Subgrade Inspection	BC 1704.7.1	Subgrade Inspection	BC 1705.6 (Table 1705.6, Item 4)
Subsurface conditions - fill placement	BC 1704.7.2	Subsurface conditions - fill placement	BC 1705.6 (Table 1705.6, Item 2)
Subsurface conditions - in place density	BC 1704.7.3	Subsurface conditions - in place density	BC 1705.6 (Table 1705.6, Item 3)
Subsurface investigations - borings and test pits	BC 1704.7.4	Subsurface investigations - borings and test pits	BC 1705.6 (Table 1705.6, Item 1)
Deep foundation elements	BC 1704.8	Deep foundation elements	BC 1705.7
Helical pile foundations	BC 1704.8.5	Helical pile foundations	BC 1705.9
Vertical masonry foundation elements	BC 1704.9	Vertical masonry foundation elements	BC 1705.19
Alternative materials – OTCR Building Bulletin #	BC 1704.14	Alternative materials - OTCR Building Bulletin #	BC 1705.1.1



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High pressure steam piping and high temperature hot water piping (welding)	BC 1704.18	High pressure steam piping and high temperature hot water piping (welding)	BC 1705.23
High-pressure fuel gas piping (welding)	BC 1704.19	High-pressure fuel gas piping	BC 1705.24
Structural stability - existing buildings	BC 1704.20.1	Alterations of existing buildings-	BC 1705.25.1
		Construction operations influencing adjacent structures	BC 1705.25.2
Excavations	BC 1704.20.2	Excavations	BC 1705.25.3 BC 3304.4.1 BC 3304.5.2 BC 3304.12
Underpinning	BC 1704.20.3 BC 1814	Underpinning and alternate methods of support of buildings and adjacent property	BC 1705.25.4 BC 1817.10
Mechanical demolition	BC 1704.20.4	Demolition	BC 1705.25.5
Raising and moving of a building	BC 1704.20.5	Raising and moving of a building	BC 1705.25.6
Aluminum construction	BC 1704.28	Aluminum construction	BC 1705.33
Post-installed anchors	BC 1704.32	Post-installed anchors	BC 1705.37
Seismic Isolation Systems	BC 1707.8	Seismic Isolation Systems	BC 1705.12.5
		Wood – Seismic Resistance	BC 1705.5.5
		Prestressed Rock and Soil Anchor	BC 1705.8
		Designated Seismic Systems	BC 1705.12.1
		Access Floors	BC 1705.12.2
		Plumbing, mechanical, fuel gas, and electrical components	BC 1705.12.3
		Anchorage of Storage Racks	BC 1705.12.4

Others (Optional) (Progress Inspections) See 1RCNY 101-07 (c)(3)(iii), Article 116 of Chapter 1 of Title 28 of the Administrative Code for additional provisions relating to inspections

Preliminary inspection	110.2, 28-116.2.1
Footing and foundation inspection	110.3.1
Lowest Floor Elevation	110.3.2
Structural Wood Frame Inspection	110.3.3
Fire-resistance-rated Construction inspection	110.3.4
Energy code compliance inspections	110.3.5
Means of Egress Illuminations/Public Assembly Emergency Lighting	1008, 110.3.6
Final Inspection: Directive 14 of 1975, and 1 RCNY §101-10), Article 116 of Chapter 1 of Title 28 of the Administrative Code	110.5, 28-116.2.4.2

