



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **MUESER RUTLEDGE CONSULTING ENGINEERS PLLC**

2 COMMERCE SQUARE, 2001 MARKET STREET  
SUITE 2510, PHILADELPHIA, PENNSYLVANIA 19103, U.S.A.

### **Special Inspection Agency SIA-432 (Type C)**

has met the requirements of the applicable provisions of AC291, *IAS Accreditation Criteria for Special Inspection Agencies*, has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*, and Special Inspection Agencies and Inspectors – August 2022, Code Bulletin of Information B2101, Chapter 9-1306, Sub Code B, Chapter 17, Section B1704 of The Philadelphia Code and 2021 Uniform Construction Code for Philadelphia. This organization is accredited to provide the services specified in the scope of accreditation.

Valid thru March 1, 2026  
Effective Date February 3, 2025



A handwritten signature in black ink, reading "Raj Nathan".

**President**

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## MUESER RUTLEDGE CONSULTING ENGINEERS PLLC

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

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*Accredited to ISO/IEC 17020:2012*

*Effective Date February 3, 2025*

Section 5 of IAS AC291 is replaced by the requirements of Special Inspection Agencies and Inspectors – August 2022), Code Bulletin of Information B2101, Chapter 9-1306, Sub Code B, Chapter 17, Statements of Special Inspections Schedule (Rev 12, 2022), Section B1704 of The Philadelphia Code and 2021 Uniform Construction Code for Philadelphia.

Field and Types of Inspection		Inspection Procedures and Reference Documents
<b>Management System Documentation:</b> 2024 MRCE Corporate QM for Special Inspection, V2. Field Inspection Guides_2024-04,04, Field Inspection Forms_2024-05 for Special Inspection Agencies and Inspectors – May 2019 (Released September 9, 2019), Code Bulletin of Information B1801, Chapter 9-1306, Sub Code B, Chapter 17, Section B1704 of The Philadelphia Code and 2018 Uniform Construction Code for Philadelphia		
Fabrication: (1704.2.5)	Engineered Wood Product Fabrication	Prefabricated wood structural elements and assemblies (1704.2.5)
	Structural Steel Fabrication	Fabrication of structural load-bearing members and assemblies (1704.2.5)
		Welding (1704.2.5)
Pre-Cast Concrete Fabrication	Fabrication of Pre-Cast Concrete. (1704.2.5)	
Wood: (1705.5.1 and 1705.5.2)	Wood Construction	High-load diaphragms. (1705.5.1)
		Metal-plate-connected wood trusses. (1705.5.2)
Steel: (1705.2 and Table 1705.2.3)	High strength bolting and steel frame installation (Structural Steel Construction)	Structural Steel. (1705.2.1)
		Welding (1705.2.1)
		Cold-formed steel deck. (1705.2.2)
		Open-web steel joist and joist girders, welding and/or high strength bolting. (1705.2.3 and Table 1705.2.3)
Concrete: (1705.3 and Table 1705.3)	Reinforced Concrete	Cold-formed steel trusses spanning 60 feet or greater. (1705.2.4)
		Materials tests. (1705.3.2)
		Reinforcement / prestressing tendons / placement (Table 1705.3 Item 1)
		Anchors cast in concrete (Table 1705.3 Item 3)
		Design mix (Table 1705.3 Item 5)
Slump and air test (Table 1705.3 Item 6)		

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Field and Types of Inspection		Inspection Procedures and Reference Documents
		Concrete / Shotcrete placement (Table 1705.3 Item 7)
		Formwork (Table 1705.3 Item 12)
	Welding	Welding of reinforcing bars (Table 1705.3.1 Item 2)
	Pre-Stressed Concrete	Prestressed concrete / Grouting (Table 1705.3 Item 9)
	Pre-Cast Concrete Erection	Precast concrete members (Table 1705.3 Item 10)
	Post Tension Slabs-on- Ground and Post Tension Concrete	In-situ concrete strength (Table 1705.3 Item 11)
	Post-Installed Concrete Anchor Installation	Post-Installed concrete anchor installation (Table 1705.3 Item 4)
Masonry: (1705.4)	Structural Masonry	Structural Walls. (1705.4.2 and 2104)
		Retaining Walls. (1705.4.2 and 1807)
Soils: (1705.6, Table 1705.6, 1803 – 1805 and 3304)	Soils – Existing Site Soils conditions, Fill Placement, and Load- Bearing Capacity of Soils	Existing Site Soil Conditions (1705.6, 1803, and Table 1705.6)
		Fill Placement (1705.6 and Table 1705.6)
		Load Bearing Requirements (1705.6 and Table 1705.6)
		Excavation and Filling (1705.6, 1804, 1805 and 3304)
Foundations: (1705.7-1705.10, Tables 1705.7 and 1705.8)	Deep Foundations and Helical Pile Foundations	Driven deep foundations (1705.7 and Table 1705.7)
		Cast-in-place deep foundations (1705.8 and Table 1705.8)
		Helical piles (1705.9)
Miscellaneous	Spray Fire-Resistant Materials and Mastic and Intumescent Fire-Resistant Coatings	Spray Fire-Resistant Materials (1705.14)
		Mastic & Intumescent Coating (1705.15)
	Exterior Insulation and Finish Systems (EIFS)	Exterior Insulation and Finish Systems. (EIFS) (1705.16)
	Underpinning	Underpinning. (See publication dated August 2022) (1705.1.1)
	Demolition, Primary Inspector	Demolition. (3303 as amended, 1705.1.1 as amended)
	Smoke Control Systems – Primary Inspector	Smoke Control System. (1705.18, 909,909.18.8, and 909.19)
	Structural and Non- Structural Seismic Resistance	Seismic Resistance. (1705.12, 1705.13, 1704.3.2)
Fire Resistance Penetrations and Joints	Fire-Resistant Penetrations and Joints. (1705.17, 1705.17.1, 1705.17.2)	

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Field and Types of Inspection		Inspection Procedures and Reference Documents
	Structural Stability – Primary Inspector	Structural Observation and Monitoring (1704.6)