



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

APPLICATION FOR HCAI PREAPPROVED AGENCY (OPAA) FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS	OFFICE USE ONLY			
	OPAA-0045			

Approved Agency	City	County	State	ZIP Code
TERRACON CONSULTANTS	SACRAMENTO	Sacramento	CA	95834

APPLICATION TYPE

Combined Testing **AND** Special Inspection Agency Testing Agency **ONLY** Special Inspection Agency **ONLY**

APPLICANT INFORMATION

Applicant Name NICHOLAS J LEE	Position in the Organization Project Manager
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Agency's Local Name Terracon Consultants, Inc. - Sacramento	Application Date 1/10/2023
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Phone Number (916) 208-5457	E-mail NICHOLAS.LEE@TERRACON.COM
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Address of Facility Location (Each facility location requires separate application.)

Street
50 GOLDENLAND COURT, SUITE 100

City SACRAMENTO	County Sacramento	State CA	Zip Code 95834
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Facility Mailing Address

Street
50 Goldenland Court, Suite 100

City Sacramento	State CA	Zip Code 95834-
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Key Agency Personnel

Engineering Manager - Name Ryan King	CA Registration Number C77326	Expiration Date 06/30/2023
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Title in the Organization Office Manager	Phone Number (916) 928-4690
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Alternate Phone Number	E-Mail ryan.king@terracon.com
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Key Agency Personnel

Alternate Engineering Manager - Name	CA Registration Number	Expiration Date
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Title in the Organization	Phone Number
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Alternate Phone Number	E-Mail
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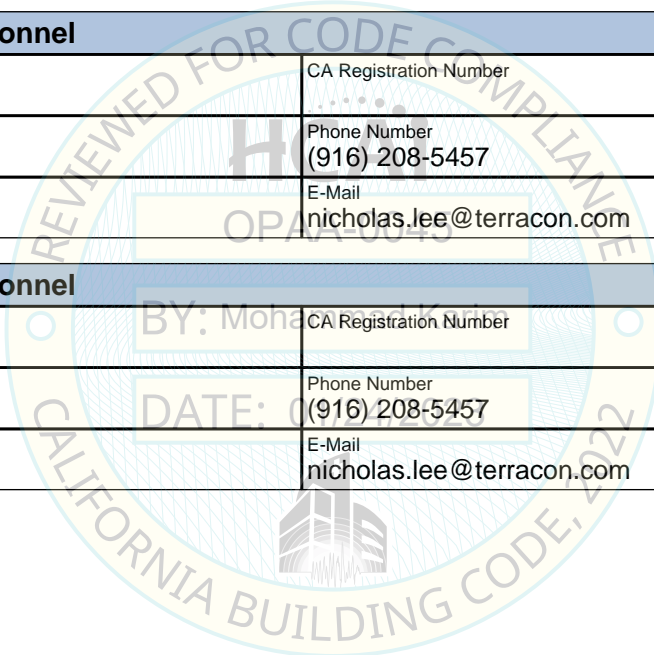
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Key Testing Personnel		
Testing Supervisor - Name Nicholas Lee	CA Registration Number	Expiration Date
Title in the Organization Project Manager	Phone Number (916) 208-5457	
Alternate Phone Number	E-Mail nicholas.lee@terracon.com	

Key Testing Personnel		
Field Testing Supervisor - Name Nicholas Lee	CA Registration Number	Expiration Date
Title in the Organization Project Manager	Phone Number (916) 208-5457	
Alternate Phone Number	E-Mail nicholas.lee@terracon.com	

Key Special Inspections Personnel		
Special Inspection Supervisor - Name Nicholas Lee	CA Registration Number	Expiration Date
Title in the Organization Project Manager	Phone Number (916) 208-5457	
Alternate Phone Number	E-Mail nicholas.lee@terracon.com	

Key Special Inspections Personnel		
Field Special Inspection Supervisor - Name Nicholas Lee	CA Registration Number	Expiration Date
Title in the Organization Project Manager	Phone Number (916) 208-5457	
Alternate Phone Number	E-Mail nicholas.lee@terracon.com	





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ACCREDITATION AND QUALIFICATIONS

Agency currently holds accreditation by: *(Attach a copy of current accreditation details.)*

- | | |
|--|--|
| <input checked="" type="checkbox"/> AASHTO Accreditation Program (AAP) | <input type="checkbox"/> National Voluntary Laboratory Accreditation Program (NVLAP) |
| <input type="checkbox"/> International Accreditation Service (IAS) | <input type="checkbox"/> American Association of Laboratories Program (A2LA) |
| <input type="checkbox"/> Laboratory Accreditation Program (LAB) | <input type="checkbox"/> Construction Materials Engineering Council (CMEC) |
| <input type="checkbox"/> ANSI-ASQ National Accreditation Board | <input type="checkbox"/> Other _____ |

Latest Expiration Date *(if any)* _____

Is this Agency accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA?

- No Yes Expiration Date 09/07/2025 LEA Ext. Exp. _____ LEA # 199

Basis for accreditation *(Check all that apply):*

- ISO/IEC 17025: General requirements for competence of testing and calibration laboratories
- ISO/IEC 17020: General requirements for the operation of various types of bodies performing inspection
- NISTIR 7012: Technical requirements for construction materials testing
- AASHTO R18: Standard Recommended Practice for Establishing and Implementing a Quality System for Construction Materials Testing Laboratories
- ASTM E 329: Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction
- ASTM C 1077: Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation
- ASTM D 3666: Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials
- ASTM D 3740: Practice for Evaluation of Agencies Engaged in Testing and/or Inspections of Soils and Rock as Used Engineering Design and Construction
- ASTM C 1093: Practice for Accreditation of Testing Agencies for Unit Masonry
- ASTM E 1212: Practice for Quality Management Systems for Nondestructive Testing (NDT) Agencies
- ASTM E 543: Specification for Agencies Performing Nondestructive Testing (NDT)
- IAS AC 291: Accreditation Criteria for Special Inspection Agency

Basis for Test Technician/Special Inspector Qualification *(Check all that apply):*

- Hospital inspector class A, B, or C certification
- DSA-LEA approval as test Technician/special inspector
- Certification listed in IAS AC 291 Table 1: Minimum Qualifications for Special Inspectors
- Welding inspectors satisfying the requirements of the CBC 2019 Section 1705A.2.5
- California licensed engineer qualified to be test technician/special inspector





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APPLICABLE TEST STANDARDS FOR WHICH AGENCY IS APPROVED

By checking "yes" in Tables 1 through 6 below, the applicant verifies that the agency has the equipment and qualified personnel to perform the indicated testing. **ONLY mark tests that are listed in accreditation certificate or DSA-LEA.**

1	SOILS AND FOUNDATIONS		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM D 1140	No. 200 Wash	ASTM D 1556	Density of Soils – Sand Cone
ASTM D 1557	Soil Compaction – Modified	ASTM D 2166	Unconfined Compressive Strength/Moisture content
ASTM D 2216	Water Content of Soil	ASTM D 2487	Classification of Soils
ASTM D 2488	Identification of Soil (Visual)	ASTM D 422	Particle Size Analysts
ASTM D 4318	Liquid I Plastic Limit	ASTM D 6938	Density of Soils – Nuclear Gage
ASTM D 698	Compaction of Soil-Standard		
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Standard	Test Procedure	Standard	Test Procedure

2	CONCRETE		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM C 1064	Temperature	ASTM C 117	No. 200 Wash
ASTM C 1231	Unbonded Caps	ASTM C 127	Specific Gravity - Coarse
ASTM C 128	Specific Gravity - Fine	ASTM C 136	Sieve Analysis Course I Fine
ASTM C 138	Density I Yield I Air Content	ASTM C 143	Slump
ASTM C 1542	Measuring Length of Cores	ASTM C 172	Sampling Freshly Mixed Concrete
ASTM C 173	Air Content (V)	ASTM C 192	Making I Curing Specimens - Lab
ASTM C 231	Air Content (P)	ASTM C 29	Unit Weight I Voids
ASTM C 31	Concrete Sampling - Field	ASTM C 39	Compressive Strength
ASTM C 42	Concrete Core	ASTM C 495	Lightweight Concrete
ASTM C 511	Moist Cure Rooms/Tanks	ASTM C 566	Moisture Content of Aggregate
ASTM C 617	Capping Concrete Specimens	ASTM C 702	Reducing Aggregate Samples
ASTM D 75	Sampling Aggregate		
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Standard	Test Procedure	Standard	Test Procedure





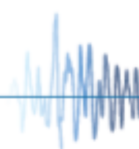
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3	MASONRY		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM C 1019	Sampling and Testing Grout (Compressive Strength)	ASTM C 1314	Compressive Strength of Masonry Prism
ASTM C 39	Core Compressive Strength	ASTM C 780	Mortar Compressive Strength
CBC 2105A	Mortar Sampling		
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure

4	STEEL		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM E 1444	Magnetic Particle	ASTM E 164	Ultrasonic
CBC 2203A	Material Identification		
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure

5	WOOD AND ROOF ASSEMBLIES		
Tests			
Standard	Test Procedure	Standard	Test Procedure
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure

6	COMPONENT, ASSEMBLY, PROTOTYPE & MISCELLANEOUS		
Tests			
Standard	Test Procedure	Standard	Test Procedure
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure





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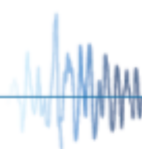
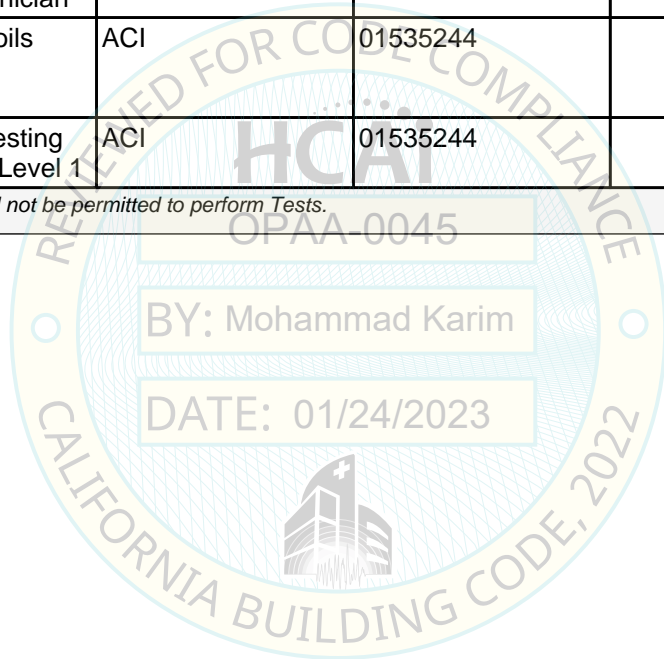
7	TEST TECHNICIANS				
Provide Following Information for Each Test Technician Employed by the Agency (Attach additional sheets if needed)					
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Test Technician's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Milad Abdoveys	Concrete Field Testing Technician - Grade I	ACI	01635023	12/08/2023	Full-Time
Felip Alvarado	Concrete Field Testing Technician - Grade I	ACI	01293492	06/29/2024	Full-Time
Felipe Alvarado	Concrete Strength Testing Technician	ACI	01293492	08/10/2024	Full-Time
Felipe Alvarado	Aggregate Testing Technician - Level 1	ACI	01293492	10/12/2024	Full-Time
Michael Bobinchuck	ASNT NDT Level III - Ultrasonic Testing	ASNT	189554	02/01/2026	Full-Time
Michael Bobinchuck	ASNT NDT Level III - Visual Testing	ASNT	189554	02/01/2026	Full-Time
Michael Bobinchuck	ASNT NDT Level III - Magnetic Particle Testing	ASNT	189554	02/01/2026	Full-Time
Spencer Evey	Concrete Field Testing Technician - Grade I	ACI	02111504	01/14/2027	Full-Time
Ahmad Hashjin	Concrete Field Testing Technician - Grade I	ACI	1400063	09/16/2027	Full-Time
Nicholas Lee	Concrete Field Testing Technician - Grade I	ACI	01355646	06/18/2026	Full-Time
Nicholas Lee	Soils Level 2	NICET	156428	03/01/2025	Full-Time
Nicholas Lee	Aggregate Testing Technician - Level 1	ACI	01355646	12/10/2026	Full-Time
Payton Owen	UT Level II	In-House: Certified By: Mike Bobinchuck, ANST #189554	N/A	10/18/2023	Full-Time
Payton Owen	Concrete Field Testing Technician - Grade I	ACI	01313443	09/25/2025	Full-Time
Mohammed Shirooei	Concrete Field Testing Technician - Grade I	ACI	01386387	05/20/2027	Full-Time





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7	TEST TECHNICIANS				
Provide Following Information for Each Test Technician Employed by the Agency (Attach additional sheets if needed)					
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Test Technician's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Matt Siegalkoff	Concrete Field Testing Technician - Grade I	ACI	01305716	10/09/2025	Full-Time
Ben Smith	Concrete Field Testing Technician - Grade I	ACI	01535244	08/28/2025	Full-Time
Ben Smith	Concrete Strength Testing Technician	ACI	01535244	03/31/2023	Full-Time
Ben Smith	Aggregate/Soils Base Testing Technician	ACI	01535244	08/14/2024	Full-Time
Ben Smith	Aggregate Testing Technician - Level 1	ACI	01535244	12/14/2025	Full-Time
<i>Test Technicians with expired license shall not be permitted to perform Tests.</i>					





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APPLICABLE SPECIAL INSPECTIONS FOR WHICH AGENCY IS APPROVED

By checking "yes" in Tables 8 through 12 below, the applicant verifies that the agency has the equipment and qualified personnel to perform the indicated special inspections. **ONLY mark tests that are listed in accreditation certificate or DSA-LEA.**

8 SOILS AND FOUNDATIONS			
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Cast-in-place Deep Foundations	CBC 1705/1705A	Driven Deep Foundations
CBC 1705/1705A	Soils (Excavations and Fills)		
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
9 CONCRETE			
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Post-Installed Anchors	CBC 1705/1705A & ACI 318	Pre-Stressed Concrete
CBC 1705/1705A & ACI 318	Reinforced Cast-In-Place Concrete	CBC 1705/1705A & ACI 318	Reinforced Pre-Cast Concrete
CBC 1705/1705A & AWS D1.4	Rebar Welding	CBC 1705/1705A and ASTM C94	Batch Plant
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
10 MASONRY			
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A & AWS D1.4	Rebar Welding	CBC 1705/1705A & TMS 602	Masonry Placement
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection





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11	STEEL		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Fireproofing	CBC 1705/1705A, AISC 360 & 341	High Strength Bolts
CBC 1705/1705A, AISC 360 & 341	Steel Fabrication & Erection	CBC 1705/1705A, AWS QC1, AISC 360 & 341	Welding
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection

12	WOOD AND ROOF ASSEMBLIES		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Wood Construction		
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection

13	NONSTRUCTURAL COMPONENTS AND MISCELLANEOUS SPECIAL INSPECTIONS		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection





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14	SPECIAL INSPECTORS				
Provide Following Information for Each Special Inspector Employed by the Agency (Attach additional sheets if needed)					
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Milad Abdoveys	Structural Masonry Special Inspector	ICC	9472050	10/06/2024	Full-Time
Milad Abdoveys	Reinforced Concrete Special Inspector	ICC	9472050	07/01/2024	Full-Time
Joe Allen	Reinforced Concrete Special Inspector	ICC	8356845	03/22/2024	Full-Time
Ahmad Hashjin Zeinali	Certified Masonry Special Inspector	DSA	6248	07/01/2024	Full-Time
Walter Houts	Structural Masonry Special Inspector	ICC	5105175	02/23/2023	Full-Time
Walter Houts	Spray Applied Fire Proofing Special Inspector	ICC	5105175	02/23/2023	Full-Time
Walter Houts	Prestressed Concrete Special Inspector	ICC	5105175	02/23/2023	Full-Time
Walter Houts	Reinforced Concrete Special Inspector	ICC	5105175	02/23/2023	Full-Time
Nicholas Lee	Soils Special Inspector	ICC	8833724	07/06/2024	Full-Time
Nicholas Lee	Structural Masonry Special Inspector	ICC	8833724	07/06/2024	Full-Time
Nicholas Lee	Spray Applied Fire Proofing Special Inspector	ICC	8833724	07/06/2024	Full-Time
Nicholas Lee	Reinforced Concrete Special Inspector Associate	ICC	8833724	07/06/2024	Full-Time
Payton Owen	Certified Welding Inspector	AWS	14093751	09/01/2023	Full-Time
Payton Owen	Structural Steel and Bolting Special Inspector	ICC	8388085	09/30/2024	Full-Time
Payton Owen	Structural Welding Special Inspector	ICC	8388085	09/30/2024	Full-Time
Atish Ram	Certified Masonry Special Inspector	DSA	5984	05/01/2025	Full-Time
Atish Ram	Reinforced Concrete Special Inspector	ICC	8345659	10/13/2026	Full-Time





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* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Atish Ram	Structural Steel and Bolting Special Inspector	ICC	8345659	10/13/2026	Full-Time
Atish Ram	Structural Masonry Special Inspector	ICC	8345659	10/13/2026	Full-Time
Atish Ram	Spray Applied Fire Proofing Special Inspector	ICC	8345659	10/13/2026	Full-Time
Atish Ram	Commercial Building Inspector	ICC	8345659	10/13/2026	Full-Time
Mohammed Shirooei	Master of Special Inspections	ICC	8853766	11/02/2024	Full-Time
Mohammed Shirooei	Spray Applied Fire Proofing Special Inspector	ICC	8853766	01/02/2025	Full-Time
Mohammed Shirooei	Structural Masonry Special Inspector	ICC	8853766	11/02/2024	Full-Time
Mohammed Shirooei	Structural Welding Special Inspector	ICC	8853766	04/17/2025	Full-Time
Mohammed Shirooei	Structural Steel and Bolting Special Inspector	ICC	8853766	04/17/2025	Full-Time
Mohammed Shirooei	Prestressed Concrete Special Inspector	ICC	8853766	04/17/2025	Full-Time
Mohammed Shirooei	Reinforced Concrete Special Inspector	ICC	8853766	04/17/2025	Full-Time
Ahmad Zeinali Hashjin	Commercial Building Inspector	ICC	8891399	09/07/2023	Full-Time
Ahmad Zeinali Hashjin	Structural Masonry Special Inspector	ICC	8891399	11/18/2025	Full-Time
Ahmad Zeinali Hashjin	Structural Steel and Bolting Special Inspector	ICC	8891399	03/03/2025	Full-Time
Ahmad Zeinali Hashjin	Prestressed Concrete Special Inspector	ICC	8891399	08/27/2024	Full-Time
Ahmad Zeinali Hashjin	Reinforced Concrete Special Inspector	ICC	8891399	08/27/2024	Full-Time

Special Inspectors with expired license shall not be permitted to perform Tests.





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15	SUMMARY OF AGENCY'S TESTING AND SPECIAL INSPECTION SERVICES	
Structural Tests & Special Inspections <i>(Check all that apply)</i>		
Structural Tests		Structural Special Inspections
Aggregate		Batch Plant
Concrete		Deep Foundations
Masonry		Earthwork
Post-Installed Anchors		High-Strength Bolts and other Fasteners
Shotcrete		Masonry
Soil		Post-Installed Anchors
		Pre-Cast Concrete
		Pre-Stressed Concrete
		Reinforced Concrete
		Spray Applied Fireproofing
		Steel Welding

Tests and Special Inspections that are in the Agency's scope but are not listed above should be provided in the space(s) below.

HCAI Approval			
BY: <u>Mohammad Karim</u> (For Office Use Only)			
Print Name: <u>Mohammad Karim</u>		Approval Date: <u>01/24/2023</u>	
Title: <u>Supervisor, Health Facilities Review</u>		Approval Expiration Date: <u>09/07/2025</u>	
Condition of approval <i>(if applicable):</i>			

