



**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-0079		

Approved Agency	City	County	State	ZIP Code
UNIVERSAL ENGINEERING SCIENCES	IRVINE	Orange	CA	92618

APPLICATION TYPE

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

APPLICANT INFORMATION

Applicant Name ROUZBEH AFSHARHASANI	Position in the Organization Regional Vice President (California)
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Agency's Local Name Nova Geotechnical and Inspection Services - So Cal dba Universal Engineering Sciences	Application Date 9/7/2022
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Phone Number (949) 547-3222	E-mail RAFSHAR@UNIVERSALENGINEERING.COM
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Address of Facility Location (Each facility location requires separate application.)

Street
16 TECHNOLOGY DR., STE. 139

City IRVINE	County Orange	State CA	Zip Code 926182324
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Facility Mailing Address

Street
16 Technology Dr., Ste. 139

City Irvine	State CA	Zip Code 92618-2324
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Key Agency Personnel

Engineering Manager - Name Rouzbeh Afsharhasani	CA Registration Number C87032	Expiration Date 06/30/2023
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Title in the Organization Regional Vice President (California)	Phone Number (949) 547-3222
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Alternate Phone Number (949) 547-3222	E-Mail Rafshar@universalengineering.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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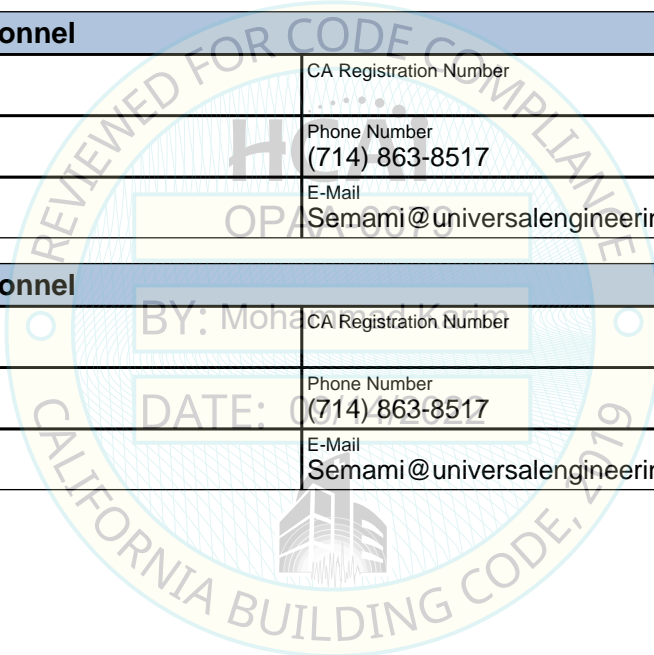
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Key Testing Personnel		
Testing Supervisor - Name Shahab Emami	CA Registration Number	Expiration Date
Title in the Organization Laboratory Supervisor	Phone Number (714) 863-8517	
Alternate Phone Number (714) 863-8517	E-Mail Semami@universalengineering.com	

Key Testing Personnel		
Field Testing Supervisor - Name Shahab Emami	CA Registration Number	Expiration Date
Title in the Organization Field Supervisor	Phone Number (714) 863-8517	
Alternate Phone Number (714) 863-8517	E-Mail Semami@universalengineering.com	

Key Special Inspections Personnel		
Special Inspection Supervisor - Name Shahab Emami	CA Registration Number	Expiration Date
Title in the Organization Laboratory Supervisor	Phone Number (714) 863-8517	
Alternate Phone Number (714) 863-8517	E-Mail Semami@universalengineering.com	

Key Special Inspections Personnel		
Field Special Inspection Supervisor - Name Shahab Emami	CA Registration Number	Expiration Date
Title in the Organization Field Supervisor	Phone Number (714) 863-8517	
Alternate Phone Number (714) 863-8517	E-Mail Semami@universalengineering.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 checked="" type="checkbox"/> Other <u>Caltrans, CCRL, City of Los Angeles</u> |

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 03/07/2026 LEA Ext. Exp. _____ LEA # 327

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



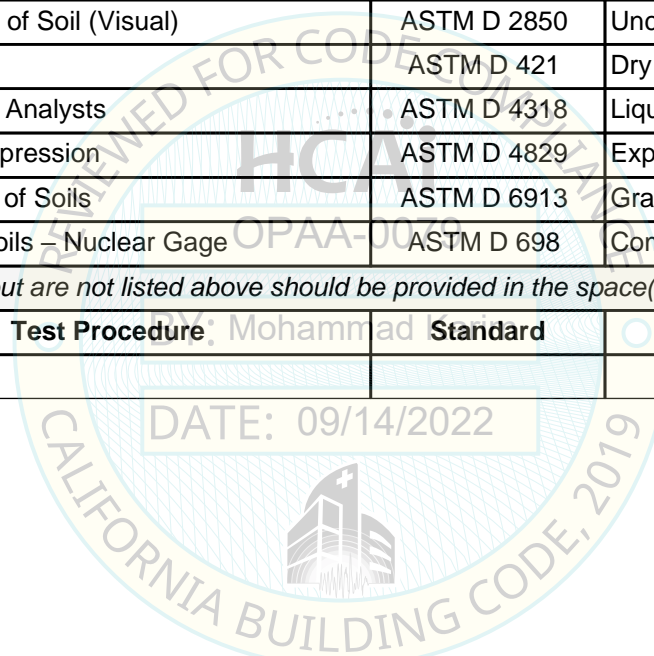


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APPLICABLE TEST STANDARDS FOR WHICH AGENCY IS APPROVED

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 2419	Sand Equivalent Value
ASTM D 2435	Consolidation Test	ASTM D 2487	Classification of Soils
ASTM D 2488	Identification of Soil (Visual)	ASTM D 2850	Unconsolidated, Undrained Triaxial
ASTM D 3080	Direct Shear	ASTM D 421	Dry Prep of Soil
ASTM D 422	Particle Size Analysts	ASTM D 4318	Liquid I Plastic Limit
ASTM D 4767	Triaxial Compression	ASTM D 4829	Expansion Index
ASTM D 5084	Permeability of Soils	ASTM D 6913	Gradation of Soil Using Sieve Analysis
ASTM D 6938	Density of Soils – Nuclear Gage	ASTM D 698	Compaction of Soil-Standard
<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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2	CONCRETE
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Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM C 1064	Temperature	ASTM C 1140	Shotcrete Compression
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 Fine	ASTM C 138	Density Yield Air Content
ASTM C 143	Slump	ASTM C 1604	Shotcrete Core
ASTM C 172	Sampling Freshly Mixed Concrete	ASTM C 173	Air Content (V)
ASTM C 192	Making Curing Specimens - Lab	ASTM C 231	Air Content (P)
ASTM C 29	Unit Weight Voids	ASTM C 31	Concrete Sampling - Field
ASTM C 39	Compressive Strength	ASTM C 42	Concrete Core
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 2419	Sand Equivalent Value	ASTM D 4791	Flat Elongated Pieces in Aggregate
ASTM D 5821	Percent Crushed Particles	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

3	MASONRY
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Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM C 1314	Compressive Strength of Masonry Prism	ASTM C 39	Core Compressive Strength
CBC 2105A	Core Shear		

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

4	STEEL
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Tests			
Standard	Test Procedure	Standard	Test Procedure

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

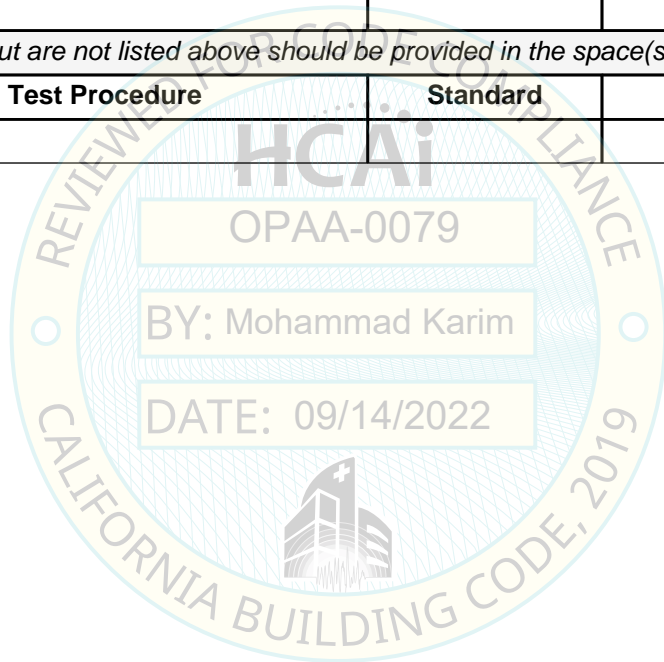




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5	WOOD AND ROOF ASSEMBLIES		
Tests			
Standard	Test Procedure	Standard	Test Procedure
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure

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
Sina Daryaei	Concrete Field Testing Technician - Grade I	ACI	02181786	08/05/2027	Full-Time
Gustavo Davila	Concrete Strength Testing Technician	ACI	01348783	03/12/2024	Full-Time
Gustavo Davila	Concrete Laboratory Testing Technician - Level 1	ACI	01348783	03/12/2024	Full-Time
Gustavo Davila	Concrete Field Testing Technician - Grade I	ACI	01348783	12/11/2025	Full-Time
Gustavo Davila	Aggregate/Soils Base Testing Technician	ACI	01348783	06/05/2023	Full-Time
Shahab Emami	Masonry Laboratory Testing Technician	ACI	01246015	05/18/2024	Full-Time
Shahab Emami	Masonry Field Testing Technician	ACI	01246015	06/11/2026	Full-Time
Shahab Emami	Concrete Strength Testing Technician	ACI	01246015	06/10/2027	Full-Time
Shahab Emami	Concrete Laboratory Testing Technician - Level 1	ACI	01246015	06/10/2027	Full-Time
Shahab Emami	Concrete Field Testing Technician - Grade I	ACI	01246015	03/12/2026	Full-Time
Shahab Emami	Aggregate/Soils Base Testing Technician	ACI	01246015	12/02/2024	Full-Time
Shahab Emami	Aggregate Testing Technician - Level 2	ACI	01246015	09/10/2024	Full-Time
Shahab Emami	Aggregate Testing Technician - Level 1	ACI	01246015	06/04/2024	Full-Time
Blake Hurst	Concrete Field Testing Technician - Grade I	ACI	01387854	02/25/2027	Full-Time
Jacob Kays	Concrete Field Testing Technician - Grade I	ACI	02093019	03/12/2026	Full-Time
<i>Test Technicians with expired license shall not be permitted to perform Tests.</i>					



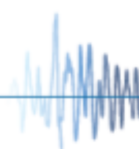


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APPLICABLE SPECIAL INSPECTIONS FOR WHICH AGENCY IS APPROVED

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.**

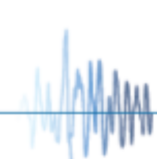
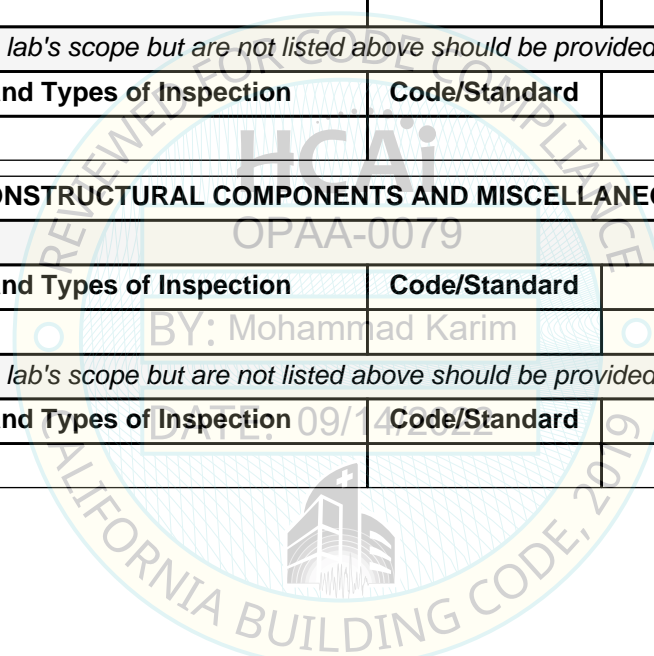
8 SOILS AND FOUNDATIONS			
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Cast-in-place Deep Foundations	CBC 1705/1705A	Driven Deep Foundations
CBC 1705/1705A	Soils (Excavations and Fills)	CBC 1812A	Shoring
CBC 1813A	Ground Improvement		
<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 & ACI 318	Reinforced Cast-In-Place Concrete	CBC 1705/1705A & ACI 318	Reinforced Pre-Cast Concrete
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 & 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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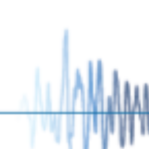
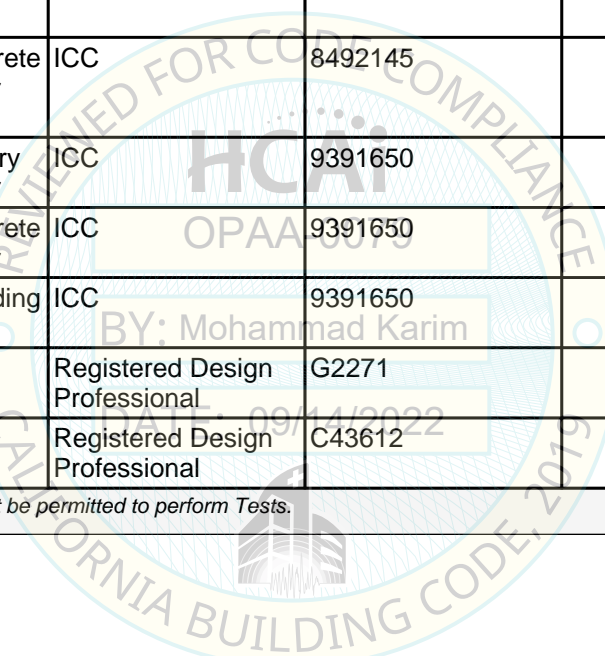
11	STEEL		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Code/Standard	Field and Types of Inspection	Code/Standard	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
<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
Rouzbeh Afshar	Civil Engineer	Registered Design Professional	C87032	06/30/2023	Full-Time
Gustavo Davila	Soils Special Inspector	ICC	8890462	06/07/2024	Full-Time
Gustavo Davila	Reinforced Concrete Special Inspector	ICC	8890462	10/29/2024	Full-Time
Shahab Emami	Soils Special Inspector	ICC	8716443	02/16/2023	Full-Time
Blake Hurst	Reinforced Concrete Special Inspector Associate	ICC	8492145	02/10/2024	Full-Time
Nasser Paraham	Structural Masonry Special Inspector	ICC	9391650	06/26/2025	Full-Time
Nasser Paraham	Reinforced Concrete Special Inspector	ICC	9391650	06/28/2025	Full-Time
Nasser Paraham	Commercial Building Inspector	ICC	9391650	11/21/2022	Full-Time
Dean Stanphill	Geotechnical Engineer	Registered Design Professional	G2271	12/31/2022	Full-Time
Dean Stanphill	Civil Engineer	Registered Design Professional	C43612	12/31/2022	Full-Time
<i>Special Inspectors with expired license shall not be permitted to perform Tests.</i>					





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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		Earthwork
Masonry		Masonry
Shotcrete		Reinforced Concrete
Soil		
<i>Tests and Special Inspections that are in the Agency's scope but are not listed above should be provided in the space(s) below.</i>		

HCAI Approval		(For Office Use Only)	
Print Name:	Mohammad Karim	Approval Date:	09/14/2022
Title:	Supervisor, Health Facilities Review	Approval Expiration Date:	03/07/2026
Condition of approval <i>(if applicable):</i>			

