



**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-0034			

Approved Agency	City	County	State	ZIP Code
STRUCTURE GROUPS	LIVERMORE	Alameda	CA	94550

APPLICATION TYPE

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

APPLICANT INFORMATION

Applicant Name ELIZABETH CLARKE	Position in the Organization President
------------------------------------	---

Agency's Local Name STRUCTURE GROUPS	Application Date 5/9/2023
---	------------------------------

Phone Number (925) 447-9900	E-mail ELIZABETH@STRUCTUREGROUPS.COM
--------------------------------	---

Address of Facility Location (Each facility location requires separate application.)

Street
2352 RESEARCH DRIVE

City LIVERMORE	County Alameda	State CA	Zip Code 94550
-------------------	-------------------	-------------	-------------------

Facility Mailing Address

Street
2352 Research Drive

City Livermore	State CA	Zip Code 94550-
-------------------	-------------	--------------------

Key Agency Personnel

Engineering Manager - Name Robb Wood	CA Registration Number C53783	Expiration Date 06/30/2025
---	----------------------------------	-------------------------------

Title in the Organization Responsible Engineer	Phone Number (925) 447-9900
---	--------------------------------

Alternate Phone Number (925) 790-0037	E-Mail robb@structuregroups.com
--	------------------------------------

Key Agency Personnel

Alternate Engineering Manager - Name	CA Registration Number	Expiration Date
--------------------------------------	------------------------	-----------------

Title in the Organization	Phone Number
---------------------------	--------------

Alternate Phone Number	E-Mail
------------------------	--------





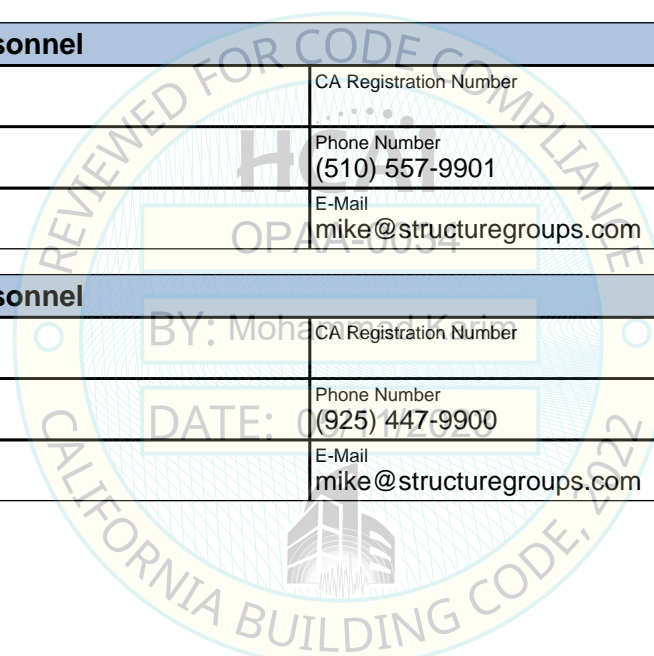
**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

Key Testing Personnel		
Testing Supervisor - Name Suzanne Morgan	CA Registration Number	Expiration Date
Title in the Organization Lab Manager	Phone Number (925) 447-9900	
Alternate Phone Number (925) 791-9050	E-Mail suzanne@structuregroups.com	

Key Testing Personnel		
Field Testing Supervisor - Name Mike Clarke	CA Registration Number	Expiration Date
Title in the Organization	Phone Number (510) 557-9901	
Alternate Phone Number (925) 447-9900	E-Mail mike@structuregroups.com	

Key Special Inspections Personnel		
Special Inspection Supervisor - Name Michael Clarke	CA Registration Number	Expiration Date
Title in the Organization Principal/Owner	Phone Number (510) 557-9901	
Alternate Phone Number (925) 447-9900	E-Mail mike@structuregroups.com	

Key Special Inspections Personnel		
Field Special Inspection Supervisor - Name Michael Clarke	CA Registration Number	Expiration Date
Title in the Organization Principal/Owner	Phone Number (925) 447-9900	
Alternate Phone Number (510) 557-0447	E-Mail mike@structuregroups.com	





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

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 02/10/2027 LEA Ext. Exp. _____ LEA # 305

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 Section 1705A.2.5
- California licensed engineer qualified to be test technician/special inspector





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

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 2216	Water Content of Soil
ASTM D 2419	Sand Equivalent Value	ASTM D 2487	Classification of Soils
ASTM D 4318	Liquid I Plastic Limit	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
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 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 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 2041	Maximum Theo. Specific Gravity
ASTM D 2726	Specific Gravity of Marshall Sample	ASTM D 2950	In-Situ Density with Nuc. Gauge
ASTM D 3203	Percent Air Voids in Compacted Asphalt Mixtures		
<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





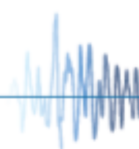
**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

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 140	Absorption, Compressive Strength, Unit Weight, Dimensions & Moisture Content	ASTM C 39	Core Compressive Strength
ASTM C 780	Mortar Compressive Strength	CBC 2105A	Core Shear
<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 605	Density of SFRM		
<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
Other	ASTM E736 SFRM Adhesion/Cohesion		

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





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

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
Corey Clarke	Soils Nuclear Gauge	Pacific Nuclear Technology	17738		Full-Time
Corey Clarke	Concrete Field Testing Technician - Grade I	ACI	1303361	08/28/2025	Full-Time
Michael Clarke	Concrete Field Testing Technician - Grade I	ACI	925257	12/15/2025	Full-Time
Michael Clarke II	Soils Nuclear Gauge	Pacific Nuclear Technology	18001		Full-Time
Michael Clarke II	Concrete Field Testing Technician - Grade I	ACI	1276047	08/25/2023	Full-Time
Michael Clary	Concrete Field Testing Technician - Grade I	ACI	77802	05/21/2026	Full-Time
Robert Merrill	Concrete Strength Testing Technician	ACI	01372406	07/24/2025	Full-Time
Robert Merrill	Concrete Field Testing Technician - Grade I	ACI	01372406	07/09/2026	Full-Time
Robert Merrill	Soils Nuclear Gauge	Pacific Nuclear Technology	18177		Full-Time
Suzanne Morgan	Masonry Laboratory Testing Technician	ACI	1059739	09/24/2026	Full-Time
Suzanne Morgan	Aggregate/Soils Base Testing Technician	ACI	1059739	04/29/2027	Full-Time
Suzanne Morgan	Aggregate Testing Technician - Level 1	ACI	1059739	05/20/2027	Full-Time
Suzanne Morgan	Concrete Laboratory Testing Technician - Level 1	ACI	1059739	05/20/2027	Full-Time
Suzanne Morgan	Concrete Strength Testing Technician	ACI	1059739	03/18/2027	Full-Time
Mohsen Noshad	Concrete Field Testing Technician - Grade I	ACI	01888281	11/17/2024	Full-Time
<i>Test Technicians with expired license shall not be permitted to perform Tests.</i>					





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

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		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	
Other		CBC 1704A.8 Piles - Driven		Other		CBC 1704A.9 Caissons - Drilled	
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 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	





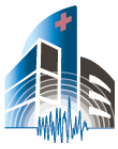
**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

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, 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
Other	CBC 1705/1705A, AISC 360 & 341 High Strength Bolts		

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

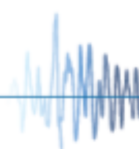
13	NONSTRUCTURAL COMPONENTS AND MISCELLANEOUS SPECIAL INSPECTIONS		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>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





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

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
Edwin Silva	Residential Building Inspector	ICC	5315659	01/09/2026	Full-Time
Edwin Silva	Commercial Building Inspector	ICC	5315659	01/09/2026	Full-Time
Michael Clarke	Structural Steel and Bolting Special Inspector	ICC	8226728	08/26/2023	Full-Time
Michael Clarke	DSA Class 1	DSA	2843	03/23/2026	Full-Time
Michael Clarke	Certified Welding Inspector	AWS	95010521	01/30/2025	Full-Time
Michael Clarke	Structural Masonry Special Inspector	ICC	869735	09/01/2023	Full-Time
Michael Clarke	Prestressed Concrete Special Inspector - Legacy	ICC	869735	09/01/2023	Full-Time
Michael Clarke	Structural Steel and Welding Special Inspector	ICC	869735	09/01/2023	Full-Time
Michael Clarke	Spray Applied Fire Proofing Special Inspector	ICC	869735	09/01/2023	Full-Time
Michael Clarke	Reinforced Concrete Special Inspector	ICC	869735	09/01/2023	Full-Time
Michael Clarke II	Master of Special Inspections	ICC	8226728	08/23/2024	Full-Time
Michael Clarke II	Post-Installed Concrete Anchor Installation Inspector	ACI	1276047	12/01/2027	Full-Time
Michael Clarke II	Reinforced Concrete Special Inspector	ICC	8226728	07/20/2023	Full-Time
Michael Clarke II	Structural Welding Special Inspector	ICC	8226728	08/23/2024	Full-Time
Michael Clarke II	Spray Applied Fire Proofing Special Inspector	ICC	8226728	01/25/2025	Full-Time
Michael Clarke II	Structural Masonry Special Inspector	ICC	8226728	04/18/2024	Full-Time
Michael Clary	Post-Installed Concrete Anchor Installation Inspector	ACI	77802	12/01/2027	Full-Time





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

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
Michael Clary	Certified Welding Inspector	AWS	15090061	09/30/2024	Full-Time
Michael Clary	Spray Applied Fire Proofing Special Inspector	ICC	5077627	07/25/2025	Full-Time
Michael Clary	Structural Steel and Bolting Special Inspector	ICC	5077627	07/25/2025	Full-Time
Michael Clary	Structural Welding Special Inspector	ICC	5077627	07/25/2025	Full-Time
Michael Clary	Structural Masonry Special Inspector	ICC	5077627	07/25/2025	Full-Time
Michael Clary	Reinforced Concrete Special Inspector	ICC	5077627	07/25/2025	Full-Time
Mathew Kelly	DSA Class 1	DSA	4265	09/28/2025	Full-Time
Mathew Kelly	Structural Masonry Special Inspector	ICC	5045850	01/14/2025	Full-Time
Mathew Kelly	Reinforced Concrete Special Inspector	ICC	5045850	01/14/2025	Full-Time
Mathew Kelly	Structural Steel and Welding Special Inspector - Legacy	ICC	5045850	01/14/2025	Full-Time
Mathew Kelly	Spray Applied Fire Proofing Special Inspector	ICC	5045850	01/14/2025	Full-Time
Mathew Kelly	Prestressed Concrete Special Inspector	ICC	5045850	01/14/2025	Full-Time
Mathew Kelly	Certified Welding Inspector	AWS	2121451	12/01/2023	Full-Time
Robert Merrill	Post-Installed Concrete Anchor Installation Inspector	ACI	1372406	02/12/2026	Full-Time
Mohsen Noshad	Structural Masonry Special Inspector	ICC	9490091	04/17/2025	Full-Time
Mohsen Noshad	Reinforced Concrete Special Inspector	ICC	9490091	07/24/2023	Full-Time
Edwin Silva	DSA Class 1	DSA	6037	03/08/2026	Full-Time
<i>Special Inspectors with expired license shall not be permitted to perform Tests.</i>					





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

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	High-Strength Bolts and other Fasteners	
Masonry	Masonry	
Shotcrete	Post-Installed Anchors	
Soil	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		(For Office Use Only)	
Print Name:	Mohammad Karim	OPAA-0034	Approval Date: 05/11/2023
Title:	Supervisor, Health Facilities Review	BY: Mohammad Karim	Approval Expiration Date: 02/10/2027
Condition of approval <i>(if applicable):</i>			
DATE: 05/11/2023			

