



**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-0073 | | | |

| | | | | |
|-----------------------|-----------|------------|-------|----------|
| Approved Agency | City | County | State | ZIP Code |
| EARTH SYSTEMS PACIFIC | HOLLISTER | San Benito | CA | 95023 |

APPLICATION TYPE

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

APPLICANT INFORMATION

| | |
|--------------------------------------|---|
| Applicant Name MOHAMMAD KHODADADI | Position in the Organization Engineering Manager |
|--------------------------------------|---|

| | |
|--|--------------------------------|
| Agency's Local Name Earth Systems Pacific | Application Date 10/14/2022 |
|--|--------------------------------|

| | |
|--------------------------------|---------------------------------|
| Phone Number (831) 637-2133 | E-mail AMIR@EARTHSYSTEMS.COM |
|--------------------------------|---------------------------------|

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

Street
500 PARK CENTER DRIVE, SUITE 1

| | | | |
|-------------------|----------------------|-------------|-------------------|
| City HOLLISTER | County San Benito | State CA | Zip Code 95023 |
|-------------------|----------------------|-------------|-------------------|

Facility Mailing Address

Street
500 Park Center Drive, Suite 1

| | | |
|-------------------|-------------|------------------------|
| City Hollister | State CA | Zip Code 95023-0558 |
|-------------------|-------------|------------------------|

Key Agency Personnel

| | | |
|--|----------------------------------|-------------------------------|
| Engineering Manager - Name Mohammad Khodadadi | CA Registration Number C87298 | Expiration Date 09/30/2023 |
|--|----------------------------------|-------------------------------|

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|--|--------------------------------|
| Title in the Organization Engineering Manager | Phone Number (831) 637-2133 |
|--|--------------------------------|

| | |
|------------------------|---------------------------------|
| Alternate Phone Number | E-Mail amir@earthsystems.com |
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Key Agency Personnel

| | | |
|--|----------------------------------|-------------------------------|
| Alternate Engineering Manager - Name Ajay Singh | CA Registration Number C53647 | Expiration Date 06/30/2023 |
|--|----------------------------------|-------------------------------|

| | |
|---|--------------------------------|
| Title in the Organization Principal Engineer | Phone Number (510) 353-3833 |
|---|--------------------------------|

| | |
|------------------------|-----------------------------------|
| Alternate Phone Number | E-Mail asingh@earthsystems.com |
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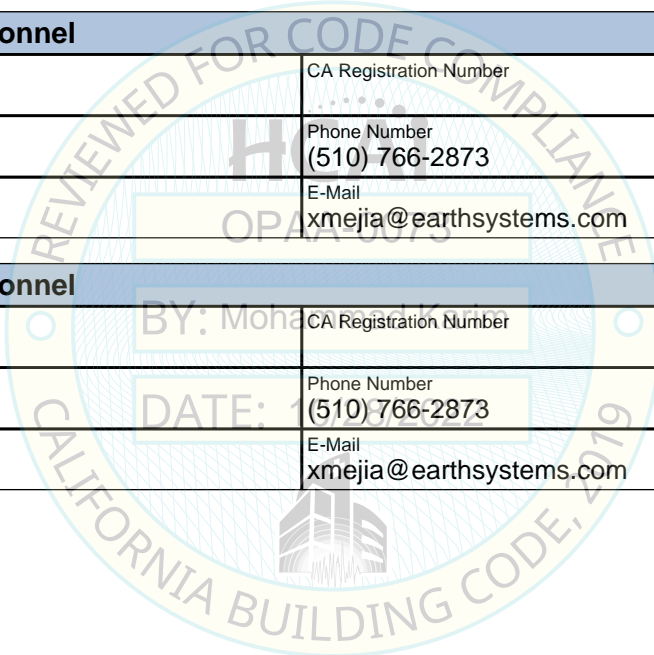
**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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| Key Testing Personnel | | |
|--|------------------------------------|-----------------|
| Testing Supervisor - Name William Harris | CA Registration Number | Expiration Date |
| Title in the Organization Laboratory Supervisor | Phone Number (831) 637-2133 | |
| Alternate Phone Number | E-Mail wharris@earthsystems.com | |

| Key Testing Personnel | | |
|---|-----------------------------------|-----------------|
| Field Testing Supervisor - Name Xyrus Mejia | CA Registration Number | Expiration Date |
| Title in the Organization Field Testing Supervisor | Phone Number (510) 766-2873 | |
| Alternate Phone Number | E-Mail xmejia@earthsystems.com | |

| Key Special Inspections Personnel | | |
|---|-----------------------------------|-----------------|
| Special Inspection Supervisor - Name Xyrus Mejia | CA Registration Number | Expiration Date |
| Title in the Organization Field Testing Supervisor | Phone Number (510) 766-2873 | |
| Alternate Phone Number | E-Mail xmejia@earthsystems.com | |

| Key Special Inspections Personnel | | |
|---|-----------------------------------|-----------------|
| Field Special Inspection Supervisor - Name Xyrus Mejia | CA Registration Number | Expiration Date |
| Title in the Organization Field Testing Supervisor | Phone Number (510) 766-2873 | |
| Alternate Phone Number | E-Mail xmejia@earthsystems.com | |





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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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 10/18/2026 LEA Ext. Exp. _____ LEA # 155

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 1557 | Soil Compaction – Modified |
| ASTM D 2216 | Water Content of Soil | ASTM D 421 | Dry Prep of Soil |
| ASTM D 422 | Particle Size Analysts | ASTM D 4318 | Liquid I Plastic Limit |
| ASTM D 4718 | Oversize Rock Correction | 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 1231 | Unbonded Caps |
| 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 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 617 | Capping Concrete Specimens | | |

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

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 |
|----------|----------------|----------|----------------|
| | | | |



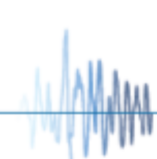
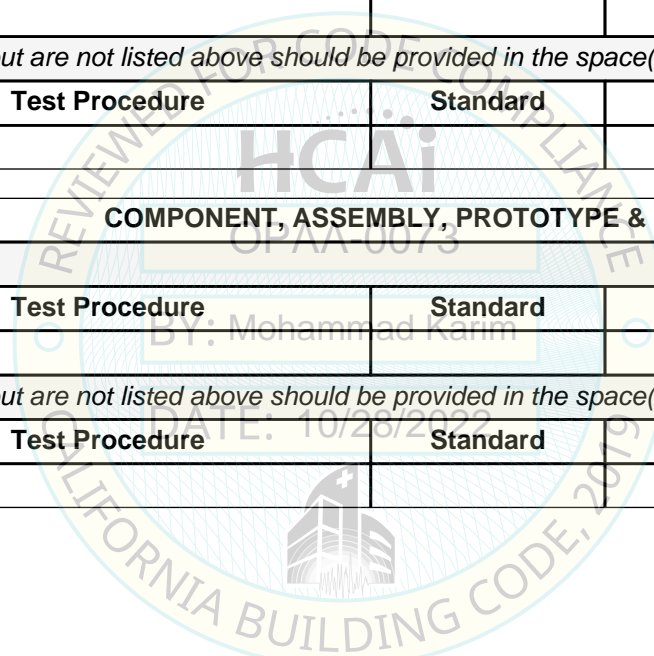


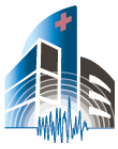
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| | | | |
|---|-----------------------|-----------------|-----------------------|
| 4 | STEEL | | |
| Tests | | | |
| Standard | Test Procedure | Standard | Test Procedure |
| | | | |
| <i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i> | | | |
| Standard | Test Procedure | Standard | Test Procedure |
| | | | |

| | | | |
|---|---------------------------------|-----------------|-----------------------|
| 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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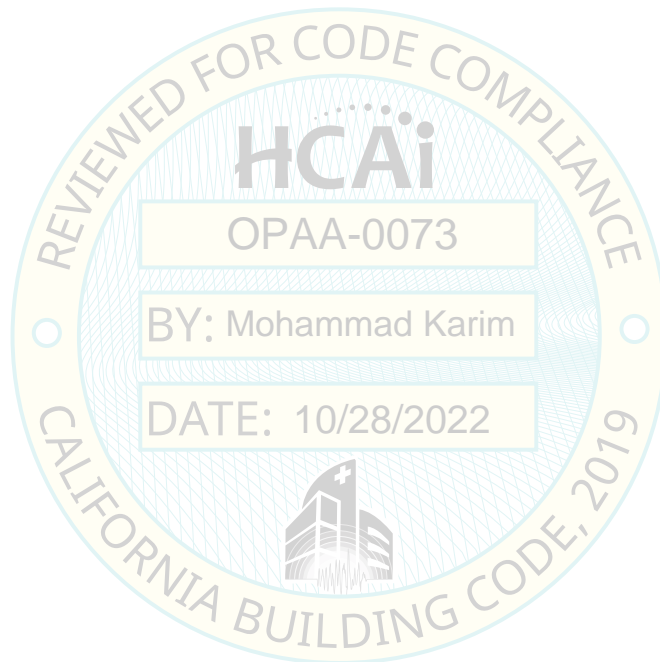
| 7 | TEST TECHNICIANS | | | | |
|--|--|---------------------------------|-------------------------------|------------------|--|
| Provide Following Information for Each Test Technician Employed by the Agency (Attach additional sheets if needed) | | | | | |
| * To update expiration date a renewal application 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 |
| William Harris | Soils Level 3 | NICET | 135256 | 10/01/2024 | Full-Time |
| William Harris | Aggregate/Soils Base Testing Technician | ACI | 1082995 | 04/02/2026 | Full-Time |
| William Harris | Aggregate Testing Technician - Level 2 | ACI | 1082995 | 07/24/2025 | Full-Time |
| William Harris | Concrete Strength Testing Technician | ACI | 1082995 | 03/31/2023 | Full-Time |
| William Harris | Aggregate Testing Technician - Level 1 | ACI | 1082995 | 05/19/2023 | Full-Time |
| William Harris | Concrete Laboratory Testing Technician - Level 1 | ACI | 1082995 | 10/16/2025 | Full-Time |
| William Harris | Concrete Level 3 | NICET | 135256 | 10/01/2024 | Full-Time |
| Cal Hicks | Concrete Laboratory Testing Technician - Level 1 | ACI | 24678 | 05/11/2024 | Full-Time |
| Dennis Hurley | Concrete Field Testing Technician - Grade I | ACI | 51271 | 05/11/2024 | Full-Time |
| Mohammad Khodadadi | Civil | Registered Design Professional | C87298 | 09/30/2023 | Full-Time |
| Robert Mallory | Concrete Laboratory Testing Technician - Level 1 | ACI | 01016890 | 09/23/2027 | Full-Time |
| Xyrus Mejia | Concrete Field Testing Technician - Grade I | ACI | 1071019 | 05/07/2026 | Full-Time |
| Andrew Penry | Concrete Laboratory Testing Technician - Level 1 | ACI | 01300645 | 03/14/2025 | Full-Time |
| Francisco Salceda | Concrete Laboratory Testing Technician - Level 1 | ACI | 1147721 | 12/08/2023 | Full-Time |
| Stephen Sommerfeld | ASNT NDT Level III - Ultrasonic Testing | ASNT | 209097 | 10/01/2025 | Consultant |
| Stephen Sommerfeld | ASNT NDT Level III - Magnetic Particle Testing | ASNT | 209097 | 02/01/2027 | Consultant |





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| 7 | | TEST TECHNICIANS | | | |
|--|--|--|--------------------------------------|-------------------------|---|
| Provide Following Information for Each Test Technician Employed by the Agency <i>(Attach additional sheets if needed)</i> | | | | | |
| * 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 |
| Rowell Sta Ana | Concrete Laboratory Testing Technician - Level 1 | ACI | 1887837 | 08/21/2024 | 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 | Shotcrete |
| 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 |
| | | | |



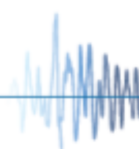


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| | | | |
|---|--------------------------------------|-----------------------------------|--------------------------------------|
| 11 | STEEL | | |
| Special Inspections | | | |
| Code/Standard | Field and Types of Inspection | Code/Standard | Field and Types of Inspection |
| CBC 1705/1705A | Fireproofing | CBC 1705/1705A, AISC 360 & 341 | High Strength Bolts |
| CBC 1705/1705A, 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 |
| | | | |
| <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 |
| | | | |

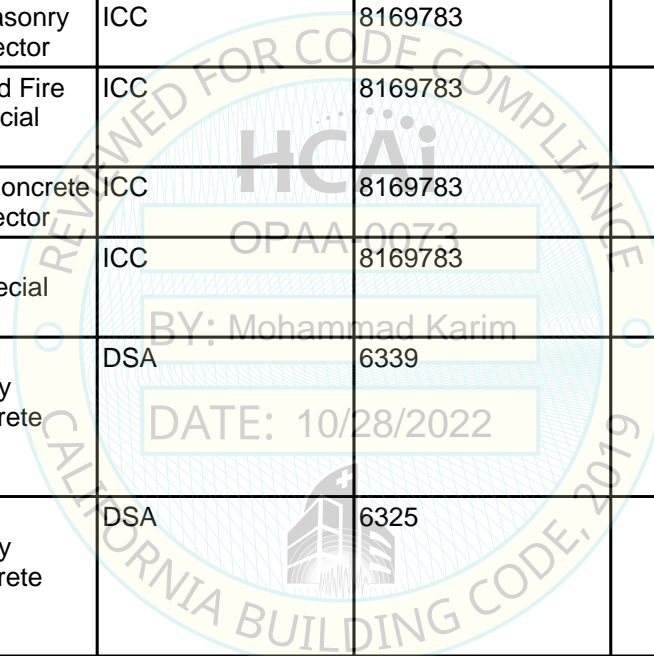
| | | | |
|---|---|----------------------|--------------------------------------|
| 13 | NONSTRUCTURAL COMPONENTS AND MISCELLANEOUS SPECIAL INSPECTIONS | | |
| Special Inspections | | | |
| Code/Standard | Field and Types of Inspection | Code/Standard | Field and Types of Inspection |
| | | | |
| <i>Special 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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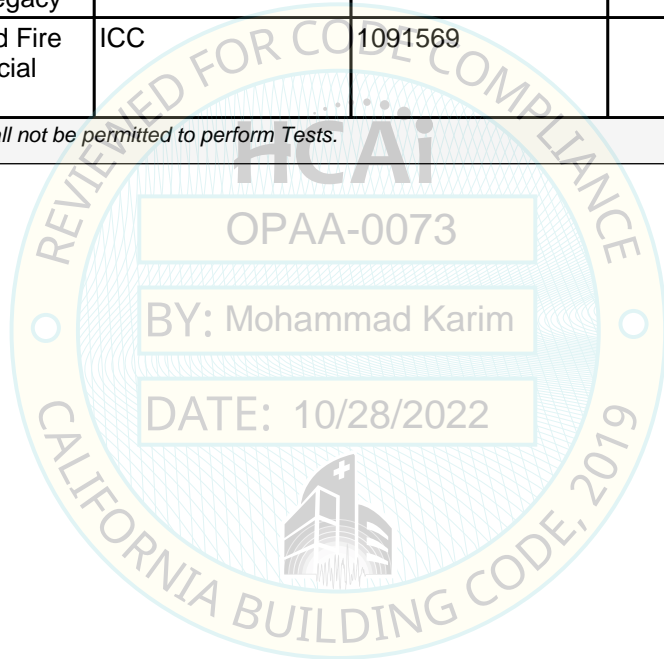
| 14 | SPECIAL INSPECTORS | | | | |
|--|---|------------------------------------|----------------------------------|------------------|--|
| Provide Following Information for Each Special Inspector Employed by the Agency (Attach additional sheets if needed) | | | | | |
| * To update expiration date a 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 |
| Cal Hicks | Certified Welding Inspector | AWS | 99100851 | 10/01/2023 | Full-Time |
| Mohammad Khodadadi | Civil Engineer | Registered Design Professional | C87298 | 09/30/2023 | Full-Time |
| Mohammad Khodadadi | Structural Steel and Bolting Special Inspector | ICC | 8169783 | 12/19/2024 | Full-Time |
| Mohammad Khodadadi | Structural Masonry Special Inspector | ICC | 8169783 | 12/19/2024 | Full-Time |
| Mohammad Khodadadi | Spray Applied Fire Proofing Special Inspector | ICC | 8169783 | 12/19/2024 | Full-Time |
| Mohammad Khodadadi | Reinforced Concrete Special Inspector | ICC | 8169783 | 12/19/2024 | Full-Time |
| Mohammad Khodadadi | Prestressed Concrete Special Inspector | ICC | 8169783 | 12/19/2024 | Full-Time |
| Xyrus Mejia | Certified Pneumatically Placed Concrete Inspector (Shotcrete) | DSA | 6339 | 11/01/2025 | Full-Time |
| Xyrus Mejia | Certified Pneumatically Placed Concrete Inspector (Shotcrete) | DSA | 6325 | 10/01/2025 | Full-Time |
| Xyrus Mejia | Structural Masonry Special Inspector | ICC | 8408840 | 02/21/2025 | Full-Time |
| Xyrus Mejia | Prestressed Concrete Special Inspector | ICC | 8408840 | 04/20/2024 | Full-Time |
| Xyrus Mejia | Reinforced Concrete Special Inspector | ICC | 8408840 | 06/28/2024 | Full-Time |
| Francisco Salceda | Structural Masonry Special Inspector | ICC | 8228337 | 06/11/2023 | Full-Time |
| Francisco Salceda | Reinforced Concrete Special Inspector | ICC | 8228337 | 03/12/2025 | Full-Time |
| Stephen Sommerfeld | Certified Welding Inspector | AWS | 97100221 | 10/01/2024 | Consultant |





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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 |
| Stephen Sommerfeld | Reinforced Concrete Special Inspector Associate | ICC | 1091569 | 07/01/2025 | Consultant |
| Stephen Sommerfeld | Structural Masonry Special Inspector | ICC | 1091569 | 07/01/2025 | Consultant |
| Stephen Sommerfeld | Structural Steel and Welding Special Inspector - Legacy | ICC | 1091569 | 07/01/2025 | Consultant |
| Stephen Sommerfeld | Spray Applied Fire Proofing Special Inspector | ICC | 1091569 | 07/01/2025 | Consultant |
| <i>Special Inspectors with expired license shall not be permitted to perform Tests.</i> | | | | | |





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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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 | |
| Concrete | Batch Plant | |
| Masonry | Deep Foundations | |
| Non-Destructive Testing (NDT) | Earthwork | |
| Post-Installed Anchors | High-Strength Bolts and other Fasteners | |
| Soil | Masonry | |
| | Post-Installed Anchors | |
| | Pre-Cast Concrete | |
| | Pre-Stressed Concrete | |
| | Reinforced Concrete | |
| | Shotcrete | |
| | 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 | Approval Date: | 10/28/2022 |
| Title: | Supervisor, Health Facilities Review | Approval Expiration Date: | 10/18/2026 |
| Condition of approval <i>(if applicable):</i> | | | |
| | | | |

