



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

<b>APPLICATION FOR HCAI PREAPPROVED AGENCY (OPAA) FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS</b>		<b>OFFICE USE ONLY</b>		
		<b>OPAA-0074</b>		

Approved Agency	City	County	State	ZIP Code
EARTH SYSTEMS PACIFIC	VENTURA	Ventura	CA	93003

**APPLICATION TYPE**

Combined Testing **AND** Special Inspection Agency

**APPLICANT INFORMATION**

Applicant Name Robert Young	Position in the Organization Project Manager
Agency's Local Name Earth Systems	Application Date 9/6/2024

Phone Number (805) 642-6727	E-mail LYOUNG@EARTHSYSTEMS.COM
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Address of Facility Location (Each facility location requires separate application.)

Street  
1731-A WALTER STREET

City VENTURA	County Ventura	State CA	Zip Code 93003
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Facility Mailing Address

Street  
1731-A Walter Street

City Ventura	State CA	Zip Code 93003-
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**Key Agency Personnel**

Engineering Manager - Name Anthony P Mazzei	CA Registration Number CE-67802, GE 2823	Expiration Date 06/30/2025
Title in the Organization Sr. Vice President, Managing Principal	Phone Number (805) 642-6727	
Alternate Phone Number	E-Mail tmazzei@earthsystems.com	

**Key Agency Personnel**

Alternate Engineering Manager - Name Todd J Tranby	CA Registration Number EG-2078	Expiration Date 12/30/2025
Title in the Organization Vice President	Phone Number (805) 642-6727	
Alternate Phone Number	E-Mail ttranby@earthsystems.com	





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<b>Key Agency Personnel</b>		
Geotechnical Engineering Contact - Name <b>Anthony P Mazzei</b>	CA Registration Number <b>G2823</b>	Expiration Date <b>12/30/2025</b>
Title in the Organization	Phone Number <b>(805) 642-6727</b>	
Alternate Phone Number	E-Mail <b>tmazzei@earthsystems.com</b>	

<b>Key Testing Personnel</b>		
Testing Supervisor - Name <b>Stephen DeBolt</b>	CA Registration Number	Expiration Date
Title in the Organization <b>Laboratory Supervisor</b>	Phone Number <b>(805) 642-6727</b>	
Alternate Phone Number	E-Mail <b>sdebolt@earthsystems.com</b>	

<b>Key Testing Personnel</b>		
Field Testing Supervisor - Name <b>Robert L Young</b>	CA Registration Number	Expiration Date
Title in the Organization <b>Project Manager</b>	Phone Number <b>(805) 642-6727</b>	
Alternate Phone Number <b>(805) 674-0137</b>	E-Mail <b>lyoung@earthsystems.com</b>	

<b>Key Special Inspections Personnel</b>		
Special Inspection Supervisor - Name <b>Anthony P Mazzei</b>	CA Registration Number <b>CE-67802, GE 2823</b>	Expiration Date <b>06/30/2025</b>
Title in the Organization <b>Sr. Vice President, Managing Principal</b>	Phone Number <b>(805) 642-6727</b>	
Alternate Phone Number	E-Mail <b>tmazzei@earthsystems.com</b>	

<b>Key Special Inspections Personnel</b>		
Field Special Inspection Supervisor - Name <b>Robert L Young</b>	CA Registration Number	Expiration Date
Title in the Organization <b>Project Manager</b>	Phone Number <b>(805) 642-6727</b>	
Alternate Phone Number <b>(805) 674-0137</b>	E-Mail <b>lyoung@earthsystems.com</b>	





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**ACCREDITATION AND QUALIFICATIONS**

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

AASHTO Accreditation Program (AAP)

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 11/01/2026

LEA # 006

**Basis for accreditation**

- 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

**Basis for Test Technician/Special Inspector Qualification**

- 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





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**APPLICABLE TEST STANDARDS FOR WHICH AGENCY IS APPROVED**

<b>1</b>	<b>SOILS AND FOUNDATIONS</b>
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**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 2419	Sand Equivalent Value	ASTM D 422	Particle Size Analysts
ASTM D 4318	Liquid I Plastic Limit	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

<b>2</b>	<b>CONCRETE</b>
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**Tests**

Standard	Test Procedure	Standard	Test Procedure
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 29	Unit Weight I Voids	ASTM C 31	Concrete Sampling - Field
ASTM C 39	Compressive Strength	ASTM C 42	Concrete Core
ASTM C 78	Flexural Strength	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

<b>3</b>	<b>MASONRY</b>
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**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 1552	Capping CMU, Related Units & Masonry Prisms for Compression Testing
ASTM C 426	Linear Drying Shrinkage		

*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

<b>4</b>	<b>STEEL</b>
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**Tests**

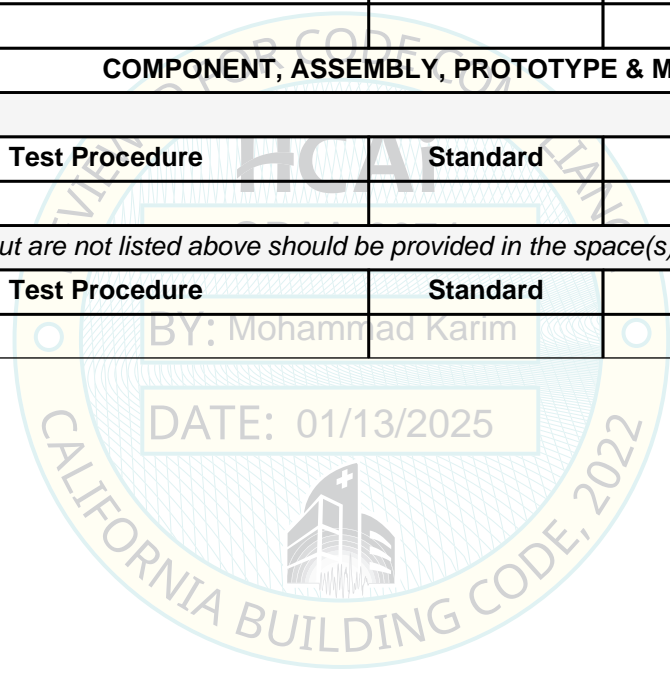
Standard	Test Procedure	Standard	Test Procedure





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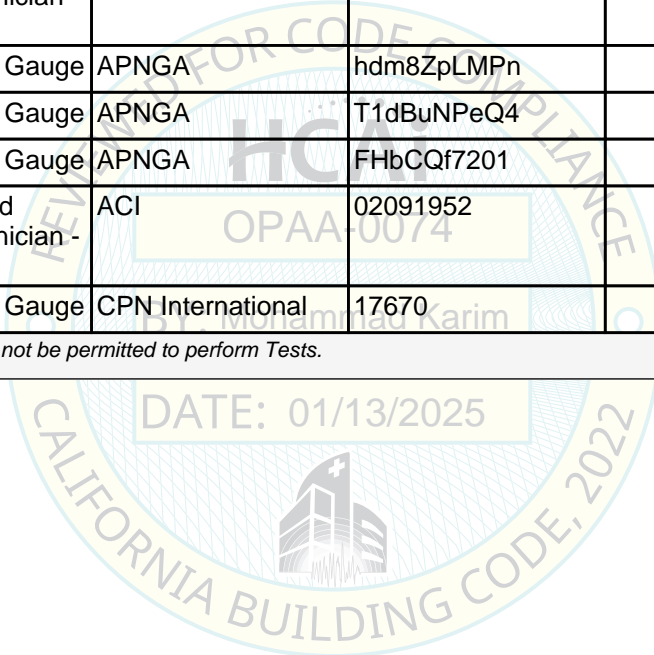
4	<b>STEEL</b>		
<b>Tests</b>			
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
<b>Standard</b>	<b>Test Procedure</b>	<b>Standard</b>	<b>Test Procedure</b>
5	<b>WOOD AND ROOF ASSEMBLIES</b>		
<b>Tests</b>			
<b>Standard</b>	<b>Test Procedure</b>	<b>Standard</b>	<b>Test Procedure</b>
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
<b>Standard</b>	<b>Test Procedure</b>	<b>Standard</b>	<b>Test Procedure</b>
6	<b>COMPONENT, ASSEMBLY, PROTOTYPE &amp; MISCELLANEOUS</b>		
<b>Tests</b>			
<b>Standard</b>	<b>Test Procedure</b>	<b>Standard</b>	<b>Test Procedure</b>
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
<b>Standard</b>	<b>Test Procedure</b>	<b>Standard</b>	<b>Test Procedure</b>





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7	TEST TECHNICIANS				
* 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
Steven Bacon	Concrete Field Testing Technician - Grade I	ACI	9837632	06/09/2026	Full-Time
Stephen DeBolt	Concrete Field Testing Technician - Grade I	ACI	1081010	03/12/2026	Full-Time
Alexander DelGado	Soils Nuclear Gauge	CPN International	42923		Full-Time
Karim Tadrous	Concrete Field Testing Technician - Grade I	ACI	2087180	01/29/2026	Full-Time
Samuel Venable	Soils Nuclear Gauge	APNGA	hdm8ZpLMPn		Full-Time
Vivian Wallace	Soils Nuclear Gauge	APNGA	T1dBuNPeQ4		Full-Time
Greider William	Soils Nuclear Gauge	APNGA	FHbCQf7201		Full-Time
Greider William	Concrete Field Testing Technician - Grade I	ACI	02091952	03/12/2026	Full-Time
Robert Young	Soils Nuclear Gauge	CPN International	17670		Full-Time
<i>Test Technicians with expired license shall not be permitted to perform Tests.</i>					



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**STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY**





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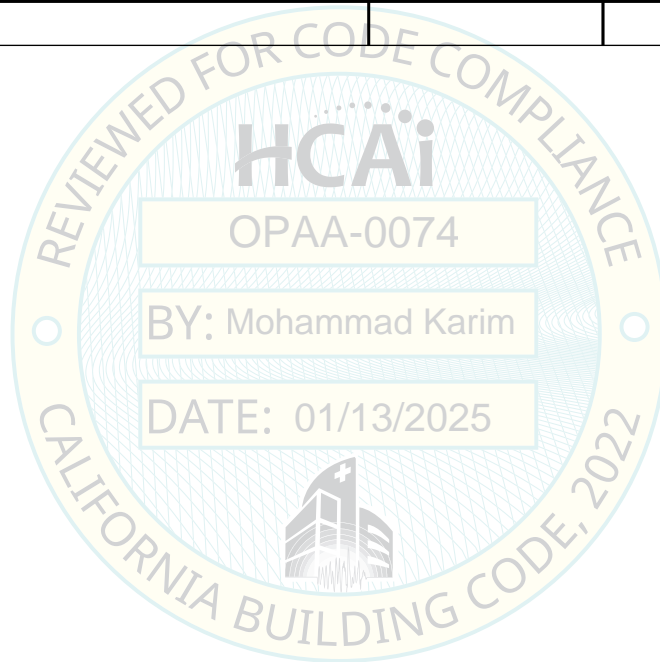
<b>APPLICABLE SPECIAL INSPECTIONS FOR WHICH AGENCY IS APPROVED</b>			
<b>8</b>	<b>SOILS AND FOUNDATIONS</b>		
<b>Special Inspections</b>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
<b>9</b>	<b>CONCRETE</b>		
<b>Special Inspections</b>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
CBC 1705/1705A	Post-Installed Anchors	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>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
<b>10</b>	<b>MASONRY</b>		
<b>Special Inspections</b>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
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>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
<b>11</b>	<b>STEEL</b>		
<b>Special Inspections</b>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
CBC 1705/1705A, AISC 360 & 341	High Strength Bolts		
<i>Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>
<b>12</b>	<b>WOOD AND ROOF ASSEMBLIES</b>		
<b>Special Inspections</b>			
<b>Code/Standard</b>	<b>Field and Types of Inspection</b>	<b>Code/Standard</b>	<b>Field and Types of Inspection</b>





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



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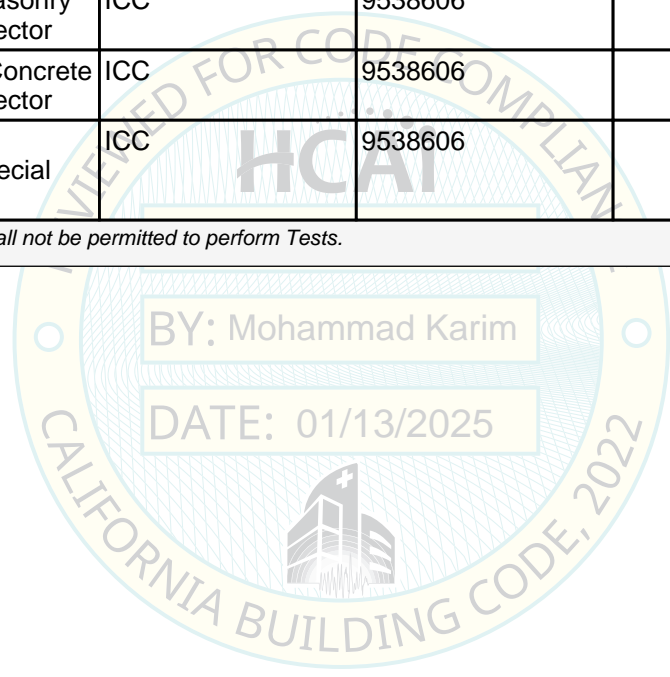






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14	SPECIAL INSPECTORS				
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Steven Bacon	Reinforced Concrete Special Inspector	ICC	9837632	05/16/2025	Full-Time
Karim Tadrous	Structural Steel and Bolting Special Inspector	ICC	9538606	01/21/2029	Full-Time
Karim Tadrous	Spray Applied Fire Proofing Special Inspector	ICC	9538606	01/21/2029	Full-Time
Karim Tadrous	Structural Masonry Special Inspector	ICC	9538606	01/21/2029	Full-Time
Karim Tadrous	Reinforced Concrete Special Inspector	ICC	9538606	01/21/2029	Full-Time
Karim Tadrous	Prestressed Concrete Special Inspector	ICC	9538606	01/21/2029	Full-Time
<i>Special Inspectors with expired license shall not be permitted to perform Tests.</i>					





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15	<b>SUMMARY OF AGENCY'S TESTING AND SPECIAL INSPECTION SERVICES</b>	
<b>Structural Tests &amp; Special Inspections</b>		
<b>Structural Tests</b>	<b>Structural Special Inspections</b>	
Aggregate	Batch Plant	
Concrete	High-Strength Bolts and other Fasteners	
Masonry	Masonry	
Post-Installed Anchors	Post-Installed Anchors	
	Reinforced Concrete	
<p><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></p>		

<b>HCAI Approval</b>		(For Office Use Only)	
Print Name:	<u>Mohammad Karim</u>	Approval Date:	<u>11/09/2023</u>
Title:	<u>Supervisor, Health Facilities Review</u>	Approval Expiration Date:	<u>11/01/2026</u>
<p><b>Condition of approval (if applicable):</b></p>			

