

APPLICATION FOR HCAI PREAPPROVED AGENO		Y (OPAA) FOR		OFFICE USE ONLY			
STRUCTURAL TESTS AND					C	0PAA-0038	8
Approved Agenc	ÿ		City	Cou	nty	State	ZIP Code
MATRISCOPE ENGINE LABORATORIE		SAG	CRAMENTO	Sacrar	nento	CA	95811
APPLICATION TYPE							
Combined Testing AND Spe	ecial Inspection	Agency					
APPLICANT INFORMATION	l						
Applicant Name Albert Spichka						ne Organization Pry Engineer	
Agency's Local Name Matriscope Engineering Laborat	ories, INC.				Application E 4/16/202		
Phone Number (916) 375-6700		FOR	E-mail ASPICHKA@M	IATRISCOPE.COM			
Address of Facility Location (Each facility loca	ation requires separate	application.)		Mp,			
Street 601 BERCUT DRIVE	THE A			E ST			
^{City} SACRAMENTO	RF	OP	County Sacramento		State CA	Zip C 958	
Facility Mailing Address							
Street 601 Bercut Drive							
_{City} Sacramento	C I	DATE:	09/09/2024	2	State CA	Zip C 958	
Key Agency Personnel							
Engineering Manager - Name Brock Campbell	0		CA Registration Number C71578	er		viration Date /31/2025	
Title in the Organization Senior Engineering Manager		VA BI	Phone Number (916) 375-6700				
Alternate Phone Number			bcampbell@matriscope.com				
Key Agency Personnel							
Alternate Engineering Manager - Name			CA Registration Number	er	Exp	iration Date	
Title in the Organization			Phone Number		I		
Alternate Phone Number			E-Mail				



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Key Agency Personnel		
Geotechnical Engineering Contact - Name Brock Campbell	CA Registration Number GE2995	Expiration Date 12/31/2025
Title in the Organization Senior Engineering Manager	Phone Number (916) 375-6700	
Alternate Phone Number	E-Mail bcampbell@matriscope.com	

Key Testing Personnel		
Testing Supervisor - Name Soussan Afshar Naderi	CA Registration Number	Expiration Date
Title in the Organization Laboratory Supervisor	Phone Number (916) 375-6700	
Alternate Phone Number	E-Mail safsharnaderi@matriscope.com	

Key Testing Personnel		
Field Testing Supervisor - Name Dan Inferrera	CA Registration Number	Expiration Date
Title in the Organization Operations Manager	Phone Number (916) 375-6700	
Alternate Phone Number (925) 446-5998	E-Mail dinferrera@matriscope.con	n

Key Special Inspections Personnel					
Special Inspection Supervisor - Name Joseph Varella		CA Registration Number	Expiration Date		
Title in the Organization Operations Manager	DATE	Phone Number (916) 375-6700			
Alternate Phone Number (916) 343-4476		E-Mail jvarella@matriscope.com			

Key Special Inspections Personnel		
Field Special Inspection Supervisor - Name Joseph Varella	CA Registration Number	Expiration Date
Title in the Organization Operations Manager	Phone Number (916) 375-6700	
Alternate Phone Number	^{E-Mail} jvarella@matriscope.com	



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ACCRE	ITATION AND QUALIFICATIONS	
Agency	rrently holds accreditation by: (Attach a copy of current accreditation details.)	
	Accreditation Program (AAP)	
	- ()	
Latest	piration Date (if any)	
Is this A	ency accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA?	
	X Yes Expiration Date 05/03/2028 LEA # 138	
Basis fo	accreditation	
X	ASHTO R18: Standard Recommended Practice for Establishing and Implementing a Quality System for Constru Iaterials Testing Laboratories	uction
X	STM E 329: Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construct	ion
X	STM C 1077: Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and or Laboratory Evaluation	Criteria
X	STM D 3666: Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Naterials	
X	STM D 3740: Practice for Evaluation of Agencies Engaged in Testing and/or Inspections of Soils and Rock as L Engineering Design and Construction	lsed
X	STM C 1093: Practice for Accreditation of Testing Agencies for Unit Masonry	
Basis fo	Test Technician/Special Inspector Qualification	
X	Velding inspectors satisfying the requirements of the CBC Section 1705A.2.5	
X	California licensed engineer qualified to be test technician/special inspector	
	BUILDING CODE	



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1	SC	ILS AND FOUNDAT	FIONS
Fests			
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 2487	Classification of Soils	ASTM D 421	Dry Prep of Soil
ASTM D 422	Particle Size Analysts	ASTM D 4318	Liquid I Plastic Limit
ASTM D 4829	Expansion Index	ASTM D 6938	Density of Soils – Nuclear Gage
Tests that are in the	e lab's scope but are not listed above should	be provided in the sp	bace(s) below.
Standard	Test Procedure OR CC	Standard	Test Procedure
		1	
2	St.	CONCRETE	
Tests	·		
Standard	Test Procedure OPAA	Standard	Test Procedure
ASTM C 1064	Temperature	ASTM C 117	No. 200 Wash
ASTM C 1231	Unbonded Caps BY: Moham	ASTM C 127	Specific Gravity - Coarse
ASTM C 128	Specific Gravi <mark>ty - Fi</mark> ne	ASTM C 136	Sieve Analysis Course I Fine
ASTM C 138	Density I Yield I Air Content	ASTM C 142	Clay I Friable Particles
ASTM C 143	Slump	ASTM C 157	Length Change
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 40	Organic Impurities
ASTM C 42	Concrete Core	ASTM C 511	Moist Cure Rooms/Tanks
ASTM C 566	Moisture Content of Aggregate	ASTM C 567	Density of Lightweight Aggregate
ASTM C 617	Capping Concrete Specimens	ASTM C 702	Reducing Aggregate Samples
ASTM C 78	Flexural Strength	ASTM C 88	Sodium Sulfate Soundness
ASTM D 2419	Sand Equivalent Value	ASTM D 6307	Asphalt Content by Ignition
ASTM E 488	Strength of Anchors in Concrete Elements		
Tests that are in th	e lab's scope but are not listed above should	be provided in the sp	pace(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 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		
CBC 2105A	Mortar Sampling				
Tests that are in the	lab's scope but are not listed above should b	e provided in the sp	pace(s) below.		
Standard	Test Procedure	Standard	Test Procedure		
Other	2022 CBC - Chapter 21, 2105A.3 Mortar & Grout Tests				
4	EORCOL	E STEEL			
Tests	·				
Standard	Test Procedure	Standard	Test Procedure		
ASTM A 370	Tension & Bend Test	ASTM E 1444	Magnetic Particle		
ASTM E 164	Ultrasonic // OPAA-	OASTM E 18	Rockwell Hardness		
ASTM E 290	Bend Test	ASTM E 605	Density of SFRM		
CBC 2203A	Material Identification BY: Mohamm	ad Karim	0		
Tests that are in the	lab's scope but are not listed above should b	e provided in the sp	pace(s) below.		
Standard	Test Procedure	Standard	Test Procedure		
5	WOOD	AND ROOF ASSE	MBLIES		
Tests					
Standard	Test Procedure	Standard	Test Procedure		
	'BUILD	ING			
Tests that are in the	lab's scope but are not listed above should b	e provided in the s	pace(s) below.		
Standard	Test Procedure	Standard	Test Procedure		
6	COMPONENT, ASSE	MBLY, PROTOTYF	PE & MISCELLANEOUS		
Tests					
Standard	Test Procedure	Standard	Test Procedure		
Tests that are in the	lab's scope but are not listed above should b	e provided in the sp	pace(s) below.		
Standard	Test Procedure	Standard	Test Procedure		

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7	TEST TECHNICIANS						
* To update expiration da	te a renewal application for	OPAA and proof of renewa	I for certification/license sha	all be required.			
Test Technician's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant		
Besmellah Abdullahi	Soils Nuclear Gauge	APNGA	22140-168-461- 0444	05/20/2026	Part-Time		
Besmellah Abdullahi	Concrete Field Testing Technician - Grade I	ACI	1538918	04/14/2028	Part-Time		
Soussan Afshar Naderi	Concrete Laboratory Testing Technician - Level 1	ACI	1381997	11/12/2026	Full-Time		
Soussan Afshar Naderi	Aggregate Testing Technician - Level 1	ACI	1381997	12/10/2026	Full-Time		
Soussan Afshar Naderi	Masonry Laboratory Testing Technician	ACIECK	1381997	09/24/2026	Full-Time		
Soussan Afshar Naderi	Aggregate/Soils Base Testing Technician	ACI HC	1381997	04/04/2028	Full-Time		
Soussan Afshar Naderi	Concrete Strength Testing Technician	ACI OPAA	1381997	11/12/2026	Full-Time		
Mohammad Azizi	Soils Nuclear Gauge	APNGA BY: Mohami	58671-170-391- 7276	12/29/2026	Part-Time		
Steve Brewster	NDT Level II - Ultrasonic Testing	NDT In-House: Certified By: Mark Reese	N/A 09/2024	04/02/2025	Part-Time		
Zabihullah Latifi	Soils Nuclear Gauge	APNGA	15576-165-847- 2856	07/21/2025	Part-Time		
Zabihullah Latifi	Concrete Field Testing Technician - Grade I	ACD	2086304	01/29/2026	Part-Time		
Vitaliy Naumchuk	NDT Level II - Ultrasonic Testing	NDT In-House: Certified By: Mark Reese	N/A	02/20/2025	Full-Time		
Mark Reese	ASNT NDT Level III - Ultrasonic Testing	ASNT	85914	10/01/2026	Consultant		
Mark Reese	ASNT NDT Level III - Magnetic Particle Testing	ASNT	85914	05/01/2026	Consultant		
Albert Spichka	Soils Nuclear Gauge	APNGA	22465-168-573- 0069	06/02/2026	Full-Time		
Albert Spichka	Concrete Laboratory Testing Technician - Level 1	ACI	1889913	04/04/2028	Full-Time		
Albert Spichka	Concrete Strength Testing Technician	ACI	1889913	06/03/2027	Full-Time		



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7	TEST TECHNICIANS					
* To update expiration da	on 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	
Albert Spichka	Aggregate/Soils Base Testing Technician	ACI	1889913	04/04/2028	Full-Time	
Albert Spichka	Aggregate Testing Technician - Level 1	ACI	1889913	04/04/2028	Full-Time	
Albert Spichka	Concrete Field Testing Technician - Grade I	ACI	1889913	10/26/2024	Full-Time	
Joseph Varella	Concrete Field Testing Technician - Grade I	ACI	1126743	05/04/2028	Full-Time	

Test Technicians with expired license shall not be permitted to perform Tests.





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8	SOILS AND FOUNDATIONS					
Special Inspection	S					
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					
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection			
9		CONCRETE				
Special Inspection	5					
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			
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection			
	C DATE: 09/0	9/2024				
10		MASONRY	5/			
Special Inspection	S					
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection			
CBC 1705/1705A & AWS D1.4	Rebar Welding	INGCO				
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection			
Other	2022 CBC 1705.A.3.3 Batch Plant (continuous)					
11		STEEL	•			
Special Inspections	5					
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection			
CBC 1705/1705A	Fireproofing	CBC 1705/1705A	Structural Cold-Formed Steel			
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					

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11	STEEL			
Special Inspection	IS			
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.	
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection	
12	WOOD AND ROOF ASSEMBLIES			
Special Inspection	IS			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection	
CBC 1705/1705A	Wood Construction			
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.	
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection	
	-200	DE		
13	NONSTRUCTURAL COMPONEI	NTS AND MISCELL	ANEOUS SPECIAL INSPECTIONS	
Special Inspection	IS			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection	
CBC 1705/1705A	Nonstructural Components, Supports and Attachments	CBC 2003 & AWS D1.2	Aluminum/Aluminum Welding	
Special Inspections	that are in the lab's scope but are not listed a	above should be pro	vided in the space(s) below.	
Code/Standard	Field and Types of Inspection amo	Code/Standard	Field and Types of Inspection	
	DATE: 09/0	09/2024	22	



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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
Besmellah Abdullahi	Spray Applied Fire Proofing Special Inspector	ICC	8906184	03/02/2026	Part-Time
Besmellah Abdullahi	Structural Welding Special Inspector	ICC	8906184	08/26/2025	Part-Time
Besmellah Abdullahi	Prestressed Concrete Special Inspector	ICC	8906184	02/08/2025	Part-Time
Besmellah Abdullahi	Reinforced Concrete Special Inspector		8906184	02/08/2025	Part-Time
Besmellah Abdullahi	Structural Steel and Bolting Special Inspector	ICC	8906184	02/08/2025	Part-Time
Besmellah Abdullahi	Structural Masonry Special Inspector		8906184	02/08/2025	Part-Time
Hari Adhikari	Master of Special	ICC OPAA	8176553	09/05/2027	Part-Time
Hari Adhikari	Reinforced Concrete Special Inspector	ICCBY: Mohami	8176553	09/04/2027	Part-Time
Hari Adhikari	Structural Masonry Special Inspector		8176553	09/04/2027	Part-Time
Hari Adhikari	Structural Welding Special Inspector	ICC	8176553	09/04/2027	Part-Time
Hari Adhikari	Spray Applied Fire Proofing Special Inspector	ICC	8176553	09/04/2027	Part-Time
Hari Adhikari	Structural Steel and Bolting Special Inspector	ICC A BUILI	8176553	09/04/2027	Part-Time
Mohammad Azizi	Spray Applied Fire Proofing Special Inspector	ICC	8888015	11/30/2025	Part-Time
Mohammad Azizi	Structural Welding Special Inspector	ICC	8888015	01/18/2025	Part-Time
Mohammad Azizi	Structural Masonry Special Inspector	ICC	8888015	01/18/2025	Part-Time
Mohammad Azizi	Structural Steel and Bolting Special Inspector	ICC	8888015	01/18/2025	Part-Time
Mohammad Azizi	Prestressed Concrete Special Inspector	ICC	8888015	01/18/2025	Part-Time



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* To update expiration da	te a renewal application for	OPAA and proof of renewa	I for certification/license sha	all be required.	
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Mohammad Azizi	Reinforced Concrete Special Inspector	ICC	8888015	01/18/2025	Part-Time
Steven Brewster	Structural Steel and Welding Special Inspector - Legacy	ICC	856714	03/16/2027	Part-Time
Brock Campbell	Geotechnical Engineer	Registered Design Professional	GE2995	12/31/2025	Full-Time
Adam Lake	Structural Welding Special Inspector	ICC	5310029	02/21/2025	Part-Time
Adam Lake	Structural Steel and Bolting Special Inspector	ICC FOR CO	5310029	02/21/2025	Part-Time
Adam Lake	Structural Masonry Special Inspector		5310029	02/21/2025	Part-Time
Adam Lake	Spray Applied Fire Proofing Special Inspector	ICC OPAA	5310029	02/21/2025	Part-Time
Adam Lake	Reinforced Concrete Special Inspector Associate	ICCBY: Mohami	5310029 nao Karim	02/21/2025	Part-Time
Adam Lake	Commercial Building	ICCDATE: 09/	5310029	02/21/2025	Part-Time
Adam Lake	Certified Welding	AWS	05120031	12/01/2026	Part-Time
Vitality Naumchuk	Certified Welding	AWS	19110041	11/01/2025	Part-Time
Mark Reese	Senior Certified Welding Inspector (SCWI)	AWS BUILT	11080038	08/01/2026	Consultant
Joseph Varella	Certified Welding	AWS	03081061	08/01/2027	Full-Time



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15	SUMMARY OF AGENCY'S TESTING AND SPECIAL INSPECTION SERVICES			
Structural Tests & Special Inspections				
	Structural Special Inspections			
Aggregate		Aluminum/Aluminum Welding		
Concrete		Batch Plant		
High-Strength Bolts and other Fasteners		Deep Foundations		
Masonry		Earthwork		
Non-Destructive Testing (NDT)		High-Strength Bolts and other Fasteners		
Post-Installed Anchors		Masonry		
Reinforcing Steel		Nonstructural Components, Supports and Attachments		
Shotcrete		Post-Installed Anchors		
Soil		Pre-Cast Concrete		
Steel		Pre-Stressed Concrete		
		Reinforced Concrete		
		Spray Applied Fireproofing		
		Steel Welding		
		Wood arim		

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 Appro	(For Office Use Only)	
Print Name:	Mohammad Karim	Approval 09/09/2024 Date:
Title:	Supervisor, Health Facilities Review	Approval Expiration Date: 5/3/2028
Condition of	approval (if applicable):	



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