



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

APPLICATION FOR OSHPD PREAPPROVED LABORATORY (OPL)		For Office Use Only	
		Application #	OPL-0048-16
Name of Approved Agency/Laboratory CEL Consulting, Inc.	City Oakland	County Alameda	State CA
APPLICATION TYPE / FEE			
Application is based on:	New Application Fee (Fees are Nonrefundable)	Renewal Fee (Fees are Nonrefundable)	
<input type="checkbox"/> DSA-LEA Approved Only	<input type="checkbox"/> \$250.00	<input type="checkbox"/> \$250.00	
<input checked="" type="checkbox"/> Accreditation Only	<input checked="" type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
<input type="checkbox"/> Both DSA-LEA Approved and Accreditation	<input type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
APPLICANT INFORMATION			
Applicant Name Jim Powers	Signature 	Position in the Organization Executive Vice President	
Agency/Laboratory Name CEL Consulting, Inc.		Application Date May 23, 2016	
Phone Number 510.436.7626	E-Mail jp@ce-labs.com		
Address of Facility Location <i>(Each facility location requires separate application.)</i> CEL Consulting, Inc.			
Street 534 23rd Avenue			
City: Oakland	County Alameda	State: CA	Zip Code: 94606
Facility Mailing Address <i>(If different from facility address above.)</i>			
Street			
City:		State:	Zip Code:
KEY PERSONNEL <i>(Attach additional pages if needed.)</i>			
Engineering Manager <i>(or equivalent)</i> – Name Jay Dorst, P.E.	CA Registration Number 82429	Expiration Date 9/30/2016	
Title in the Organization President/Principal Engineer	Phone Number 510.436.7626		
FAX Number 510.436.7699	E-Mail jdorst@ce-labs.com		
Alternate to Engineering Manager <i>(if any)</i> – Name Jim Powers	CA Registration Number C41046	Expiration Date 3/31/17	
Title in the Organization Executive Vice President	Phone Number 510-436-7626		
FAX Number 510-434-7719	E-mail jp@ce-labs.com		

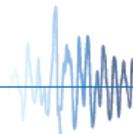




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KEY PERSONNEL <i>(Attach additional pages if needed.)</i>		
Laboratory Supervisor – Name Faisal Gausi	CA Registration Number <i>(if any)</i>	Expiration Date
Title in the Organization Laboratory Manager	Phone Number 510.436.7626	
FAX Number 510.436.7699	E-Mail faisal@ce-labs.com	
Field Supervisor – Name	CA Registration Number <i>(if any)</i>	Expiration Date
Title in the Organization	Phone Number	
FAX Number	E-mail	

ACCREDITATION
<p>This laboratory currently holds accreditation by: <i>(Attach a copy of current accreditation details.)</i></p> <p> <input type="checkbox"/> AASHTO Accreditation Program (AAP) <input type="checkbox"/> National Voluntary Laboratory Accreditation Program (NVLAP) <input checked="" 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 checked="" type="checkbox"/> Other <u>California Department of Transportation</u> </p> <p>Latest Expiration Date <i>(if any)</i> _ 11/6/18 _____</p>
<p>Is this laboratory accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Expiration Date: _ _____</p>
<p>Basis for accreditation:</p> <p> <input checked="" type="checkbox"/> ISO/IEC 17025: General requirements for competence of testing and calibration laboratories <input type="checkbox"/> NISTIR 7012: Technical requirements for construction materials testing <input type="checkbox"/> AASHTO R18: Standard Recommended Practice for Establishing and Implementing a Quality System for Construction Materials Testing Laboratories <input type="checkbox"/> ASTM E 329: Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction <input type="checkbox"/> ASTM C 1077: Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation <input type="checkbox"/> ASTM D 3666: Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials <input type="checkbox"/> ASTM D 3740: Practice for Evaluation of Agencies Engaged in Testing and/or Inspections of Soils and Rock as Used Engineering Design and Construction <input type="checkbox"/> ASTM C 1093: Practice for Accreditation of Testing Agencies for Unit Masonry <input type="checkbox"/> ASTM E 1212: Practice for Quality Management Systems for <i>Nondestructive Testing (NDT)</i> Agencies <input type="checkbox"/> ASTM E 543: Specification for Agencies Performing <i>Nondestructive Testing (NDT)</i> </p>





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STANDARDS

By checking "yes" in Tables 1 through 6 below, the applicant verifies that the laboratory 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							
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure		
<input type="checkbox"/>	a.	ASTM D 2487	Classification of Soils	<input type="checkbox"/>	b.	ASTM D 422	Particle Size Analysts
<input type="checkbox"/>	c.	ASTM D 2216	Moisture Content	<input type="checkbox"/>	d.	ASTM D 4318	Liquid / Plastic Limit
<input type="checkbox"/>	e.	ASTM D 2850	Unconsolidated, Undrained Triaxial	<input type="checkbox"/>	f.	ASTM D 4767	Triaxial Compression
<input type="checkbox"/>	g.	ASTM D 2166	Unconfined Compressive Strength	<input type="checkbox"/>	h.	ASTM D 7012	Triaxial Compressive Strength of Rock Core Specimens
<input type="checkbox"/>	i.	ASTM D 5778	Friction Cone and Pizocone Penetration Test	<input type="checkbox"/>	j.	ASTM D 3441	Cone Penetration Test (CPT)
<input type="checkbox"/>	k.	ASTM D 1140	No. 200 Wash	<input type="checkbox"/>	l.	ASTM D 4829	Expansion Index
<input type="checkbox"/>	m.	ASTM D 2419	Sand Equivalent Value	<input type="checkbox"/>	n.	ASTM D 1557	Soil Compaction – Modified
<input type="checkbox"/>	o.	ASTM D 3080	Direct Shear	<input type="checkbox"/>	p.	ASTM D 6938	Density of Soils – Nuclear Gage
<input type="checkbox"/>	q.	ASTM D 1556	Density of Soils – Sand Cone	<input type="checkbox"/>	r.	ASTM D 1143	Deep Foundations – Static Compression
<input type="checkbox"/>	s.	ASTM D 4945	Deep Foundations – Dynamic Testing	<input type="checkbox"/>	t.	ASTM D 3689	Deep Foundations – Axial Tension
<input type="checkbox"/>	u.	ASTM D 3966	Deep Foundations –Lateral Loads				

Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.

Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input type="checkbox"/>	aa.		<input type="checkbox"/>	bb.	
<input type="checkbox"/>	cc.		<input type="checkbox"/>	dd.	
<input type="checkbox"/>	ee.		<input type="checkbox"/>	ff.	



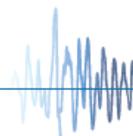


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2		CONCRETE					
Tests							
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure		
<input type="checkbox"/>	a.	ASTM D 75		b.	ASTM C 702	Reducing Aggregate Samples	
<input type="checkbox"/>	c.	ASTM C 40		d.	ASTM C 29	Unit Weight / Voids	
<input type="checkbox"/>	e.	ASTM C 88		f.	ASTM C 566	Moisture Content	
<input type="checkbox"/>	g.	ASTM C 142		h.	ASTM C 127	Specific Gravity - Coarse	
<input type="checkbox"/>	i.	ASTM C 128		j.	ASTM C 117	No. 200 Wash	
<input type="checkbox"/>	k.	ASTM C 136		l.	ASTM C 131	Degradation of Aggregate	
<input type="checkbox"/>	m.	ASTM 2419		n.	ASTM C 31, C 172, CBC 1905A.1.2	Concrete Sampling - Field	
<input type="checkbox"/>	o.	ASTM C 192		p.	ASTM C 173	Air Content (V)	
<input type="checkbox"/>	q.	ASTM C 1602		r.	ASTM C1604	Shotcrete Core	
<input type="checkbox"/>	s.	ACI 355.2		t.	ASTM C 231	Air Content (P)	
<input type="checkbox"/>	u.	ASTM C 143		v.	ASTM C 1064	Temperature	
<input type="checkbox"/>	w.	ASTM C 617		x.	ASTM C 1231	Unbonded Caps	
<input checked="" type="checkbox"/>	y.	ASTM C 39		z.	ASTM C 157	Length Change	
<input type="checkbox"/>	aa.	ASTM C 78		bb.	ASTM C 496	Splitting Tensile	
<input type="checkbox"/>	cc.	ASTM C 42		dd.	ASTM C 138	Weight / Yield / Air Content	
<input type="checkbox"/>	ee.	ASTM C 495		ff.	ASTM C 567	Density of Lightweight Aggregate	
<input checked="" type="checkbox"/>	gg.	ASTM E 488		hh.	ACI 355.4	Adhesive Anchors	
<input type="checkbox"/>	ii.	ACI 374.1		jj.	ASTM C 1260	Alkali Reactivity of Aggregate	
<input type="checkbox"/>	kk.	ASTM C 1293		ll.	ACI ITG-5.1	Post-Tensioned Precast Special Walls	
<input type="checkbox"/>	mm.	ASTM C 42		nn.	ASTM D 3039	Tensile Strength of FRP	
<input type="checkbox"/>	oo.	ASTM D 4541		pp.	ASTM A 1034	Rebar Mechanical Splices	
<input type="checkbox"/>							
<input type="checkbox"/>							

Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.

Yes	Standard	Test Procedure	Yes	Standard	Test Procedure	
<input checked="" type="checkbox"/>	aa.	AC395	<input checked="" type="checkbox"/>	bb.	AC193	Anchors in Concrete
<input checked="" type="checkbox"/>	cc.	AC399	<input checked="" type="checkbox"/>	dd.	AC232	Anchor Channels in Concrete
<input checked="" type="checkbox"/>	ee.	E 1190	<input checked="" type="checkbox"/>	ff.	AC308	Adhesive Anchors in Concrete
<input checked="" type="checkbox"/>	gg.	ETAG 001	<input checked="" type="checkbox"/>	hh.	AC398	Steel Connectors in Lt-Wt Concrete
<input type="checkbox"/>	ii.		<input checked="" type="checkbox"/>	jj.	AC446	Headed Cast-In Inserts
<input type="checkbox"/>	kk.		<input checked="" type="checkbox"/>	ll.	E 1512	Bond Strength of Anchors
<input type="checkbox"/>	mm.		<input checked="" type="checkbox"/>	nn.	ACI 355.2	Post Installed Mechanical Anchors
<input type="checkbox"/>			<input type="checkbox"/>			
<input type="checkbox"/>			<input type="checkbox"/>			





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3 MASONRY							
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	a.	ASTM C 140	Dimensions	<input type="checkbox"/>	b.	ASTM C 140	Compressive Strength
<input type="checkbox"/>	c.	ASTM C 140	Absorption	<input type="checkbox"/>	d.	ASTM C 140	Unit Weight
<input type="checkbox"/>	e.	ASTM C 140	Moisture Content	<input type="checkbox"/>	f.	ASTM C 426	Linear Drying Shrinkage
<input type="checkbox"/>	g.	CBC 2105A.2.2.1.4	Mortar Sampling	<input type="checkbox"/>	h.	CBC 2105A.2.2.1.4	Grout Sampling
<input type="checkbox"/>	i.	ASTM C 1314	Prism Compressive Strength	<input type="checkbox"/>	j.	ASTM C 1019	Grout Compressive Strength
<input type="checkbox"/>	k.	ASTM C 780	Mortar Compressive Strength	<input type="checkbox"/>	l.	ASTM C 39	Core Compressive Strength
<input type="checkbox"/>	m.	CBC 2105A.4	Core Shear	<input type="checkbox"/>	n.	ASTM C 1314	Prism Sampling
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	aa.	AC01	Anchors in Masonry	<input checked="" type="checkbox"/>	bb.	AC58	Adhesive Anchors in Masonry
<input checked="" type="checkbox"/>	cc.	AC106	Screw Anchors in Masonry	<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		

4 STEEL							
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM A 370	Tension Test	<input checked="" type="checkbox"/>	b.	ASTM A 370	Bend
<input type="checkbox"/>	c.	ASTM E 10	Brinell Hardness	<input checked="" type="checkbox"/>	d.	ASTM E 18	Rockwell Hardness
<input type="checkbox"/>	e.	ASTM E 190	Guided Bend	<input type="checkbox"/>	f.	ASTM E 23	Charpy V - Notch
<input type="checkbox"/>	g.	ASTM A 90	Weight of Coating	<input type="checkbox"/>	h.	AISC 341 Section K2	Beam to Column Moment & EBF Connections Cyclic Tests
<input type="checkbox"/>	i.	AISC 341 Section K3	BRBF Cyclic Tests	<input type="checkbox"/>	j.	ASTM E 165	Liquid Penetrant
<input type="checkbox"/>	k.	ASTM E 1444	Magnetic Particle	<input type="checkbox"/>	l.	ASTM E 94	Radiographic
<input type="checkbox"/>	m.	ASTM E 164	Ultrasonic	<input type="checkbox"/>	n.	ASTM E 605	Density of SFRM
<input type="checkbox"/>	o.	CBC 2203A.1	Material Identification	<input checked="" type="checkbox"/>	P	ASTM F606	Bolt Tension Test
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	aa.	A 416	Seven Wire Strand	<input checked="" type="checkbox"/>	bb.	A 615	Plain Carbon Steel Bar
<input checked="" type="checkbox"/>	cc.	A 970	Headed Steel Bars	<input checked="" type="checkbox"/>	dd.	A 1034	Mechanical Splice Rebar
<input checked="" type="checkbox"/>	ee.	AC 118	Tapping Screw Fasteners	<input checked="" type="checkbox"/>	ff.	E 384	Micro-hardness
<input checked="" type="checkbox"/>	gg.	CT 670	Caltrans Mechanical Splice	<input type="checkbox"/>	hh.	AWS D1.1, D1.3, D1.4, D1.5, D1.6, D1.8,	AWS





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5 Wood and Roof Assemblies							
Tests							
Yes	Standard		Test Procedure	Yes	Standard		Test Procedure
<input type="checkbox"/>	a.	ASTM D 3617	Analysis of Built-Up Roof Systems	<input checked="" type="checkbox"/>	b.	ASTM D 4442	Moisture Content of Wood
<input type="checkbox"/>	c.	ASTM C 67	Brick and Structural Clay Roof Tiles				
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input checked="" type="checkbox"/>	aa.	ASTM D 1761	Fasteners in Wood	<input checked="" type="checkbox"/>	bb.	ASTM D 2395	Density/Sp. Gr. of Wood
<input checked="" type="checkbox"/>	cc.	ASTM D 4442	Moisture Content of Wood	<input checked="" type="checkbox"/>	dd.	ASTM D 7147	Joist Hangers
<input checked="" type="checkbox"/>	ee.	ASTM E 72	Panel Testing	<input checked="" type="checkbox"/>	ff.	ASTM E 2126	Cyclic Testing of Panels for Shear
<input checked="" type="checkbox"/>	gg.	AC 316	Shrinkage Compensating devices	<input checked="" type="checkbox"/>	hh.	AC 233	Alternate Dowel-Type Threaded Fasteners
<input checked="" type="checkbox"/>	ii.	AC 120	Alternate Fasteners	<input checked="" type="checkbox"/>	jj.	AC 130	Wood Shear Panels
<input checked="" type="checkbox"/>	kk.	AC 13	Joist Hangers	<input checked="" type="checkbox"/>	ll.	AC 155	Hold-Downs for Wood
<input checked="" type="checkbox"/>	mm.	AC 04	Quality Inspections	<input checked="" type="checkbox"/>	nn.	AC 283	Plate Connectors for Wood Trusses

6 COMPONENT, ASSEMBLY AND PROTOTYPE TESTING							
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	a.	AAMA 501.4	Static Test for Curtain Wall and Storefront Systems	<input type="checkbox"/>	b.	ICC-ES AC 156	Shake Table Test
<input type="checkbox"/>	c.	AAMA 501.6	Dynamic Test for Curtain Wall and Storefront Systems	<input checked="" type="checkbox"/>	d.	FM 1950	Seismic Sway Brace Testing
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		





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List of Attachments Supporting the Testing Agency/Laboratory Approval (Submit Each Attachment as Separate PDF)	
Yes	Enclosure Type
<input checked="" type="checkbox"/>	OSHPD Facilities Development Division (FDD) Payment Form (OSH-AD-367): http://www.oshpd.ca.gov/FDD/Forms/eSPForms/OSH-AD_367%20Facilities%20Development%20Division%20Payment%20Form.pdf
<input type="checkbox"/>	DSA-LEA Laboratory Qualification as posted at DSA website: https://www.apps.dgs.ca.gov/tracker/ApprovedLabs.aspx
<input type="checkbox"/>	Latest Copy of DSA 100: LEA Program Application as Submitted to DSA
<input type="checkbox"/>	Latest copy of DSA 220: LEA Program On-Site Assessment Report
<input type="checkbox"/>	Latest copy of DSA acceptance (letter) of the Lab. into the LEA program.
<input checked="" type="checkbox"/>	Current Accreditation Certificate(s) including List of Tests for which Laboratory is Accredited
<input type="checkbox"/>	Other (Please Specify):

OSHPD Approval		(For Office Use Only)	
Signature:		Approval Date:	06/21/2016
Print Name:	<u>James C. Pan</u>	Approval Expiration Date:	<u>11/06/2018</u>
Title:	<u>District Structural Engineer</u>		
Condition of approval <i>(if applicable)</i> :			
See Page 8 for exceptions and limitations.			





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FIELDS OF TESTING	ACCREDITED TEST METHODS
Concrete Anchors	Test methods referenced in Section 5.0 of ICC-ES Acceptance Criteria AC01 (except Section 5.7), Section 4.0 of AC58, Sections 3.0 and 4.0 of AC 60, Section 4.0 of AC70, and Section 4.0 of AC106 (except Section 4.7), Sections 4.0 and 5.0 of AC116, Section 4.0, Tables 4.1, 4.2 and 4.3 of AC193 (except Method B Embrittlement Tests), Section 3.0 (except Sections 3.1 and 3.4) and 4.0 of AC 232, Section 4.0, Tables 3.1 to 3.8 of AC308, Sections 3.0 and 4.0 of AC 395, Sections 3.0 and 4.0 of AC 398 and Sections 3.0 and 4.0 of AC 399, and Section 4.0 of AC 446; ASTM Standards E 488, E 1190 and E 1512; ETAG 001; ACI 355.2; ACI 355.4; FM 1950
Steel	ASTM Standards A 370 (except Section 19), A 416, A 615, A 970 (except Section 6.4), A 1034, E 18, E 384 and F 606; California Test 670; Test methods referenced in Section 4.0 of AC118 ANSI/AWS Standards D1.1, D1.3, D1.4, D1.5, D1.6, and D1.8.
Polymer Matrix Composite Materials	ASTM Standard D 3039
Concrete	ASTM Standard C 39
Wood Fasteners	ASTM Standards D1761, D2395, D4442 (Method B), D7147, E72, E2126. Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC316 and Sections 3.0 and 4.0 of AC 233; Test methods referenced in Sections 4.0 and 5.0 of AC120 and AC130. Test methods referenced in Section 3.2 of ICC-ES Acceptance Criteria AC13; Test methods referenced in Section 4.0 of AC155; Test methods referenced in AC04; Test methods referenced in Section 3.0 of AC283

