

INDIVIDUALS AND FIRMS PERFORMING SPECIAL INSPECTIONS

(MUST BE LICENSED OR REGISTERED WITH SCLLR)

Project _____ Application No. _____

Inspectors performing work on the project, that are not licensed by SCLLR as a Special Inspector, EIT, or PE will be submitted to SCLLR for performance of work without a license.

SPECIAL INSPECTOR PHONE / EMAIL	LICENSE / REG #	CLASSIFICATION(S)
1 _____		
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SPECIAL INSPECTORS REGISTRATION CLASSIFICATIONS

- | | | |
|---|--|-------------------------------|
| (RC) Reinforced Concrete | (PTC) Post-tension Cables | (SR) Seismic Resistance |
| (SW) Welding | (FP) Sprayed Fire Resistive Material | (RB) Retention Basins |
| (HSB) High Strength Bolting | (EIFS) Exterior Insulation and Finish System | (DF) Deep Foundations |
| (SF) Steel Frame | (SC) Smoke Control | (SM) Structural Masonry |
| (NDT) Non-destructive Testing | (PCF) Pre-cast Fabrication | (MRW) Modular Retaining Walls |
| Fire Resistant Penetrations and Joint Systems | | |
| (EW) Earth Work which includes Excavation and Filling, and, Verification of Soils | | |

Category	Item #	Verification & Inspection	Continuous	Periodic	Req Y / N	Reference Standard or Compliance Document	IBC Reference	Agent
Conc.	6	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	•	--		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10 & Table 1705.3	
Conc.	7	Inspection of concrete and shotcrete placement for proper application techniques	•	--		ACI 318: 26.5	1908.6, 1908.7, 1908.8, Table 1705.3	
Conc.	8	Verify maintenance of specified curing temperature and techniques	--	•		ACI 318: 26.5.3 – 26.5.5	1908.9 & Table 1705.3	
Conc.	9	Inspection of pre-stressed concrete						
Conc.	9a	Application of pre-stressing forces	•	--		ACI 318: 26.10	Table 1705.3	
Conc.	9b	Grouting of bonded pre-stressing tendon	•	--			Table 1705.3	
Conc.	10	Inspect erection of precast concrete members	--	•		ACI 318: Ch. 26.9	Table 1705.3	
Conc.	11	For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for: a. Installation of the embedded parts b. Completion of the continuity of reinforcement across joints. c. Completion of connections in the field.	• • •	-- -- --		ACI 318:26.13.1.3 ACI 550.5	Table 1705.3	
Conc.	12	Inspect installation tolerances of precast diaphragm connections for compliance with ACI 550.5	--	•		ACI318: 26.13.1.3	Table 1705.3	
Conc.	13	Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	--	•		ACI 318: 26.11.2	Table 1705.3	
Conc.	14	Inspect formwork for shape, location and dimensions of the concrete member being formed	--	•		ACI 318: 26.11.1(b)	Table 1705.3	
1705.4 Masonry Construction								
Mas.		Masonry construction shall be inspected and verified per standards	•	--		TMS 402 and TMS 602	1705.4	
Mas.	1	Empirically design masonry, glass unit masonry and masonry veneer in Risk Category IV	•	--		Section 2109, 2110 or Chapter 14, Section 1604.5, shall comply with TMS 602 Level 2	1705.4.1	
Mas.	2	Vertical masonry foundation elements	--	•		IBC Section 1705.4	1705.4.2	
1705.5 Wood Construction								
Wd	1	High-Load Diaphragms	--	•		IBC Sec. 2306.2, Sec 1704.2, approved construction drawings	1705.5.1	
Wd	2	Metal-plate-connected wood trusses spanning 60 feet or greater	--	•		Approved truss submittal package (bracing)	1705.5.2	

Category	Item #	Verification & Inspection	Continuous	Periodic	Req Y / N	Reference Standard or Compliance Document	IBC Reference	Agent
Wd	1	Inspection of anchorage and connections of mass timber construction to timber deep foundation systems.	--	•			Table 1705.5.3	
Wd	2	Inspect erection of mass timber construction.	--	•			Table 1705.5.3	
Wd	3	Inspection of connections where installation methods are required to meet design loads.					Table 1705.5.3	
Wd	3a	Verify use of proper installation equipment.	--	•			Table 1705.5.3	
Wd	3b	Verify use of pre-drilled holes where required.	--	•			Table 1705.5.3	
Wd	3c	Inspect screws, including diameter, length, head type, spacing, installation angle and depth.	--	•			Table 1705.5.3	
Wd	3d	Adhesive anchors installed in horizontal or upwardly inclined orientation to resist sustained tension loads.	•	--			Table 1705.5.3	
Wd	3f	Adhesive anchors not defined in preceding cell.	--	•			Table 1705.5.3	
Wd	3g	Bolted connections.	--	•			Table 1705.5.3	
Wd	3f	Concealed connections.	--	•			Table 1705.5.3	
1705.6 Soils								
Soil	1	Verify materials below shallow foundations are adequate to achieve the design bearing capacity	--	•			Table 1705.6	
Soil	2	Verify excavations are extended to proper depth and have reached proper material	--	•			Table 1705.6	
Soil	3	Perform classification and testing of compacted fill materials	--	•			Table 1705.6	
Soil	4	During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	•	--			Table 1705.6	
Soil	5	Prior to placement of compacted fill, inspect subgrade and verify that site has been pre-pared properly.	--	•			Table 1705.6	

Category	Item #	Verification & Inspection	Continuous	Periodic	Req Y / N	Reference Standard or Compliance Document	IBC Reference	Agent
1705.7 Driven Deep Foundation								
Drv	1	Verify element materials, sizes and lengths comply with the requirements	•	--			Table 1705.7	
Drv	2	Determine capacities of test elements and conduct additional load tests, as required	•	--			Table 1705.7	
Drv	3	Inspect driving operations and maintain complete and accurate records for each element	•	--			Table 1705.7	
Drv	4	Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	•	--			Table 1705.7	
Drv	5	For steel elements, perform additional inspections in accordance with Section 1705.2	--	--			Sec. 1705.2	
Drv	6	For concrete elements and concrete filled elements, perform additional inspections in accordance with Section 1705.3	--	--			Sec. 1705.3	
Drv	7	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	--	--			In accordance with Statement of Special Inspections	
1705.8 Cast-In-Place Deep Foundation								
CIP	1	Inspect drilling operations and maintain complete and accurate records for each element	•	--			Table 1705.8	
CIP	2	Verify placement locations and plumbness; confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. Record concrete or grout volumes	•	--			Table 1705.8	
CIP	3	For concrete elements, perform additional inspections in accordance with Section 1705.3	--	--			Sec. 1705.3	
1705.9 Helical Pile Foundations								
HPF	1	Installation of helical pile foundations	•	--		Approved Geotechnical report and registered design professional	1705.9	
1705.10 Structural integrity of deep foundation elements								
		Whenever there is a reasonable doubt as to the structural integrity of a deep foundation element, an engineering assessment shall be required.				The engineering assessment shall include tests for defects performed in accordance with ASTM D4945, ASTM D5882, ASTM D6760 or ASTM D7949, or other approved method.	1705.10	
1705.11 Special Inspections for Fabricated Items								
		Special inspections of fabricated items shall be performed in accordance with Section 1704.2.5					1705.11	
1705.12 Special Inspections for Wind Resistance								
Wind		Wind Requirements for buildings and structures per 1705.12					1705.12	
Wind	1	Structural Wood					1705.12.1	

