

Sr.	TYPE	Continuous Special Inspection	Periodic Special Inspection
1	Inspect reinforcement, including prestressing tendons, and verify placement.	—	X
2	Reinforcing bar welding		
	a. Verify weldability of reinforcing bars other than ASTM A706.	—	X
	b. Inspect welding of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	X	—
	c. Inspect welded reinforcement splices.	X	—
	d. Inspect welding of primary tension reinforcement in corbels.	X	—
	e. Inspect single-pass fill at welds, maximum 5/16".	—	X
	f. Inspect all other welds.	—	X
3	Inspect anchors cast in concrete.	—	X
4	Inspect anchors post-installed in hardened concrete members: b	X	—
	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.		
	c		
	b. Mechanical anchors and adhesive anchors not defined in 4.a.	—	X
5	Verify use of required design mix.	—	X
6	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—
7	Inspect concrete and shotcrete placement for proper application techniques.	X	—
8	Verify maintenance of specified curing temperature and techniques.	—	X
9	Inspect prestressed concrete for:		
	a. Application of prestressing forces.	X	—
	b. Grouting of bonded prestressing tendons.	X	—

10	Inspect erection of precast concrete members.	—	X
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.	X	—
	b. Completion of the continuity of reinforcement across joints.	X	—
	c. Completion of connections in the field.	X	—
12	Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	—	X
13	Verify 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.	—	X
14	Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X

CBC 1705.2.7 Special Inspection and Tests of Structural Welding

[OSHDP 1R, 2 & 5] Special inspections and testing (including nondestructive testing) of all shop and field welding operations shall be in accordance with this section and Sections 1705.2.1, 1705.2.2, 1705.13.1, and 1705.14.1, as applicable. Special inspections shall be performed by an approved welding inspector. The minimum requirements for a qualified welding special inspector shall be as those for an AWS Certified Welding Inspector (CWI), as defined in the provisions of the AWS QC1 or AWS B5.1.

The welding inspector shall make a systematic daily record of all welds. This record shall include:

- Identification marks of welders.
- List of defective welds.
- Manner of correction of defects.

The welding inspector shall check the material, details of construction and procedure, as well as workmanship of the welds. The special inspector shall verify that the installation of end-welded stud shear connectors are in accordance with the requirements of Section 2216.2 and the approved construction documents. The approved agency shall furnish the architect, structural engineer and the enforcement agency with a verified report that the welding has been done in conformance with AWS D1.1, D1.3, D1.4, D1.6, D1.8, and the approved construction documents.

1705.16 Intumescent Fire-Resistive Materials

Special inspections and tests for intumescent fire-resistive materials applied to structural elements and decks shall be performed in accordance with AWCI 12-B. Special inspections and tests shall be based on the fire-resistance design as designated in the approved construction documents. Special inspections and tests shall be performed during construction. Additional visual inspection shall be performed after the rough installation and, where applicable, prior to the concealment of electrical, automatic sprinkler, mechanical and plumbing systems.

Special inspections shall comply with CBC 2025 Chapter 17.

The Owner shall employ approved special inspectors as required by CBC.

Special inspectors shall submit inspection reports to the Building Official and Engineer of Record.

Discrepancies identified during inspection shall be brought immediately to the attention of the Contractor and Engineer of Record.

Contractor shall provide access to all work requiring special inspection.

Anchor installation shall conform to approved ICC-ES evaluation reports and manufacturer requirements.

Existing dimensions and reinforcing shall be field verified prior to fabrication.

Test report of all the materials to be checked by special inspectors.

Notify Engineer of Record of unforeseen existing conditions.

Do not drill or cut existing reinforcing without Engineer approval.

Contractor shall scan reinforcing prior to drilling anchors.

Please get prior approval from EOR before making any changes to the intent of the drawings.



Date: 09/14/2026	Drg No. SI-1
Project: Palisades tahoe, Skaw Valley, California	
Subject: Special Inspections CBC 2025	
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