

# California Building Standards Code, 2025 (CBSC 2025)

## OSHDP Preapproval of Manufacturer's Certification (OPM)

### Triage Check list

Yes	No	N/A	Item #	Scope
			S1	OPM is within the scope of OPM program, <a href="#">PIN 62</a> and is <b>NOT</b> a product/component approval
			S2	OPM is based on the CBC 2025/ASCE 7-22 and listed reference standards ONLY
			S3	Scope covers <b>entire</b> component supports (Those members, assemblies of members, or manufactured elements, and associated fasteners that transmit loads between nonstructural components and their attachments to the structure. Support includes structural members between components and attachments, braces, frames, skirts, legs, saddles, pedestals, cables, guys, stays, snubbers, hangers, struts, and tethers, as well as elements forged or cast as a part of the mechanical or electrical component and associated fasteners that transmit loads between nonstructural components and their attachments to the structure, etc.) & attachments (Means by which nonstructural components or supports of nonstructural components are secured or connected to the seismic force-resisting system of the structure. Such attachments include anchor bolts, welded connections, and mechanical fasteners) as required by ASCE 7-22.
			S4	OPM is for indoor components only, where design is controlled by seismic forces. Components that are subject to significant non-seismic forces such as gravity (where seismic force is primarily vertical seismic force produced by self-weight of the components supported), wind, flood, snow, soil or water pressure, thermal loads, etc. are outside the scope of the OPM program.
			S5	For Renewal: Submit a detailed description of change from the existing approval.
<b>Drawings (HCAI posted OPM document)</b>				
			D1	Drawings are separated from the supporting calculations, test reports, etc.
			D2	Scope of approval in dark color and reference components shown in light colors.
			D3	Supports and attachments to be approved are shown in sufficient details on the drawings.
			D4	Equipment name (with manufacturer, model, etc.) is shown in Title Block of each drawing.
			D5	Responsibilities of the construction project SEOR are listed.
			D6	Maximum weight, range of sizes, and Center of Gravity (CG) locations are listed.
			D7	Minimum material strength and substrate requirements are listed.
			D8	Maximum design certified acceleration parameters: $F_P/W_P$ (horizontal and vertical), $S_{DS}$ , $I_P$ , $C_{AR}$ , $R_{PO}$ , $\Omega_0$ , $H_f$ , $R_{\mu}$ , anchor forces (tension, shear), and design displacements, where applicable, are listed. $H_f / R_{\mu}$ , with minimum values of 1 (at or below grade) and 2.69 (above grade, if applicable). $z/h$ , with minimum values of 0 (at or below grade) and 1 (above grade, if applicable). CBC 2025 changes to HCAI preapprovals are located on the HCAI website at: <a href="#">CBC 2025 Changes to HCAI Preapprovals</a> .
			D9	Details include above grade concrete over metal deck installation, using top-sided only post installed anchors, where feasible. Basis shall be provided for OPM submittals without top-sided only post installed anchor detail.
			D10	Minimum edge distance and spacing for attachments are listed.
			D11	First general note on the drawing reads, "This HCAI Preapproval of Manufacturer's Certification (OPM) is based on the CBC 2025. The demand (design forces) for use with this OPM shall be based on the CBC 2025".
			D12	Drawings are signed by the Registered Design Professional (RDP).
<b>Calculations (Not approved by HCAI)</b>				
			C1	Calculations satisfy the CBC 2025 Section 1603A.3
			C2	Added "NOT approved by HCAI" watermark on each page of calculations.
			C3	Calculations are based on CBC 2025/ASCE 7-22 and relative reference standards ONLY.
			C4	Displacement considered where component supports and attachments are affected by drift.
<b>Test Reports</b>				
			T1	Tests are based on testing criteria adopted in the 2025 CBSC or an HCAI approved equivalent.
			T2	Tests are performed by an ISO 17025 accredited laboratory (or equivalent) or under the responsible charge of an independent California licensed engineer.
			T3	Test report(s) is reviewed and accepted by an independent California licensed engineer.

**Notes:**

- 1) Any "**No**" answer in the resolution column shall be cause for rejection at triage
- 2) For Distribution System OPMs or other inquiries, please contact [OPM@hcai.ca.gov](mailto:OPM@hcai.ca.gov)