

How-To-Guide for Preapproved Fabricated Components and Systems Hospital Building Safety Board

A. Definitions

1. **Components:** a constituent part, element; a part of a system. Components are defined as parts of architectural, mechanical or mechanical system (ASCE 7). This may also be an assembly of components
2. **Manufacture:** the making of goods or components by manual labor or by machinery.
3. **Pre-Assemble:** to manufacture sections (of a building), especially in a factory, so that they can be easily transported to and rapidly assembled on a building site.
4. **Pre-Fabricate:** produce, create or manufacture a product of multiple components prior to installation.
5. **On-Site Fabrication:** assembly of components on-site in preparation for immediate installation.
6. **Off-Site Fabrication:** assembly of components off-site in preparation for transport to a project site with the intent to install it later.
7. **Offsite Prefabrication:** component assembly or fabrication of manufactured components that are normally assembled/fabricated on a construction site at the final installed location. Offsite prefabrication of components **CAN BE** approved under the project which it is installed.
8. **OPM:** OSHPD Preapproval of Manufacturer's Certification is a voluntary program for review and preapproval of seismic design of supports and attachments for nonstructural components to be used in health facilities construction in California.
9. **OSP:** OSHPD Special Seismic Certification Preapproval is a voluntary program for review and preapproval of Special Seismic Certifications to be used in health facilities construction in California.
10. **OPAA:** OSHPD Preapproved Agency is a voluntary program for Structural Tests and Special Inspections agencies providing services to California's Health Facilities Construction. OPAA is issued on the basis of the Agency's accreditation or DSA-LEA approval in accordance with PIN 58.
11. **OPD:** OSHPD Preapproved Details are standard architectural and engineering details developed by HCAI OSHPD for use in California health facilities construction, at the discretion of Registered Design Professionals (RDP).

12. **PCS:** OSHPD Preapproved Prefabricated Components and Systems program is created to provide a multi-discipline preapproval for prefabricated components and systems for healthcare construction projects. This will streamline the review process for components and systems as there will be multiple disciplines that are preapproved. PCS eliminates the need for manufacturers to find a healthcare construction project to get their systems reviewed, not only saving time from repetitive plan review, but also greatly reducing uncertainty of getting approval.
13. Prefabricated = Preassembled.
14. Distinction of Manufactured Components
 - a. Manufactured Components: Components that come from a manufacturing facility or factory and are available from a catalog. For design, the manufacturer provides:
 - i. Capacity of the component, or
 - ii. Maximum seismic acceleration for the component, or
 - iii. Manufacturer's certification of seismic qualification.
 - b. Manufactured components are typically not assembled on site (unless they are packaged in the manufacturing facility or factory for minor assembly on site).

B. Process

1. Process to get Preapprovals
2. Process to use a Preapproval
3. Process for project-specific prefabrication

C. Inspections: Process and how TIO is developed

1. Vendor/Manufacturer Inspections
2. Prefabrication/Assembly Inspections
 - a. On-site
 - b. Off-Site
 - i. Shop
 - Pressure testing
 - Welding
 - c. Example Joe LaBrie SurePods visit to see how pods were put together to develop the TIO. Show Example TIO developed.

D. FLS

1. Input on Preapprovals
2. Input on Prefabricated components

E. Example Projects: How prefabrication has been used

1. UCSF Parnassus: Self Perform Bathroom Pods

2. Kaiser Roseville
3. Sutter Santa Clara

F. Vendor Feedback: What was the experience, what recommendations do they have

1. SurePods
2. DuraFuse
3. STARC Walls

G. Q&A from 6/25/24 Webinar