



## QUALITY. INTEGRITY. INNOVATION.

*Our goal is to facilitate a streamlined process in the healthcare construction & inspection industry. We pursue and align these goals with our Clients, Designers, OSHPD and Contractors through experience, expertise and innovation.*

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## Highlights

The logo for Keck Medicine of USC, featuring the text 'Keck Medicine' in a black serif font and 'of USC' in a red serif font below it.

SBS had the opportunity to work with the design team to participate in a feasibility study with USC and Gensler to aid in the OSHPD submittal requirements and how the FREER Manual can be utilized to benefit the facility. Understanding the OSHPD FREER Manual and how it can aid in streamlining your refresh project is a process SBS is very experienced in. [Contact us](#) to learn how we can help you.

We continue to work on other projects at USC, recently having collaborated on a First-Floor Master Plan Renovation to include updates to the lobby and entryway.

In addition, JLL has awarded SBS the USC NTT RRU 700kw Generator Replacement Project. This project consists of removing the existing 700kw

generator, the auxiliaries, and the generator paralleling controls. The replacement is a new 800KW CAT C27 generator it's auxiliaries/controls and new day tank. This is an on-going project that SBS will be aiding the facility with closure in providing IOR Services to complete the remaining scope, commission the generator and test it's local and remote safety monitoring points.



We want to thank Lisa Polansky, Senior Project Manager / Capital Construction Development - HSC for introducing us to USC and allowing us the opportunity to be a part of their team. We were fortunate to work with Lisa at Henry Mayo Newhall Hospital where she was in charge of managing multiple construction projects that where were providing Inspector of Record Services.



## **Loma Linda University Medical Center**

### **Load Bank Testing – (4) 2500kw CATEPILLAR Generators**

Loma Linda is well on its way with closeout activities as McCarthy/Berg/Helix JV started generator load bank testing this week. This is the initial equipment testing to meet NFPA 110 Chapter 7.13 & CEC Article 700 installation acceptance requirements. See our SBS LABS section below for more code information. Prior to tying into the building, our selective coordination and short circuit study needs to be complete and inspected with the third party, the IOR and verification by the EEOR, Stantec & OSHPD. Additional testing of the generators paralleling gear & the 19 ATS's for load demand/load shed to verify essential power is set by correct priority. Fuel monitoring, all local & remote safety annunciation functions will also be necessary to complete the generator system. Completing these items will then allow other system testing of the building for minimum lighting levels for egress, the fire pump, elevators, fire alarm, smoke control system, medical gas alarms and many additional building systems that are all part of the Level 1 generator emergency power supply system.



## SBS Behind the Scenes



### **Sharon Bennett Project Coordinator**

Sharon joined SBS in May 2016 forming part of the team for the Loma Linda University Medical Center project. At LLUMC, Sharon helps oversee a team of 16 IORs and all of the documentation for the 26 projects. She helps things run smoothly and timely. Her contribution has been essential

in making the project a successful team effort.

Sharon previously worked in residential and commercial construction before landing a role at HMC in 2011. During this time, she gained a lot of experience and developed many of the skills that she would eventually bring with her to SBS. SBS is very fortunate to have Sharon as a team member where she will be relocating to San Diego to form part of the Scripps Memorial Hospital, La Jolla project team.

In her own words, "Very proud to be an SBS Team Member and feel like we have grown up together. Love my job and take a lot of pride in what I do. My family is very important to me and being a grandma is the best gift that life can give you. My favorite slogan is '**Work hard, play hard,**' and was said to be Theodore Roosevelt 's favorite as well."

Thank you Sharon for all that you do for SBS!

**SBS LABS**



The healthcare construction industry can be very technical and it takes years of experience to accurately navigate through the process. We wanted to use this newsletter as not only reading about what SBS is up to, but also as a tool that can provide helpful information for you on your next OSHPD project. Here is this week's topic that we've experienced in the past and hopefully is beneficial to you:

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## Emergency Power Supply System Classifications

Emergency Power Supply System Classifications are important to know so the correct code is applied.

Types of Power Systems:

- Emergency Power Systems; 2019 CEC Article 700
- Legally Required Standby Systems; 2019 CEC Article 701
- Optional Standby Power Systems; 2019 CEC Article 702
- Critical Operations Power Systems; 2019 CEC Article 708

The link provided is a [2016 code cycle for Emergency Power Systems](#). OSHPD provides technical reminder lists that you can find on their website by [clicking here](#).

The codes cycles that apply to the applicable standards can be found in Chapter 35 of the California Building Standards Code. This reminder list covers design, installation and testing requirements. The list of codes to follow is extensive: CBC 2016, CEC 2016, CMC 2016, CFC 2016 NFPA 30 2012, NFPA 37 2015, NFPA 55 2016, NFPA 99 2015, NFPA 110 2016, NFPA 704 2012.

We've also included a [generator start up checklist provided by CAT](#) and a [link to their site](#) for more educational webinars & power systems training.

Generator testing can have many challenges and different options to how you install and test. Operating hospital facilities require two sources of power per 2019 CEC 517.30. Maintaining two sources while doing construction for a new generator system may require a temporary generator so we've included OSHPD [CAN 2-108](#). This covers, but is not limited to, CEC 590 Temporary Installations for new and emergency installations based on timelines. This also details permits for temporary use, which are separate from, and in addition to, permits for permanent construction of the work and shall be granted solely for the period needed during construction.

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As SBS LABS continues the journey of formalizing material to share with you, please take a moment to subscribe to our Youtube Channel to stay on top of all of the latest with [SBS LABS](#).

## Newsworthy



Construction Complete on Keck Medicine of USC Buena Park Oncology Clinic  
(MCD/September 24, 20)

[Click here to read article](#)



## HCD Virtual is coming to you November 9-12!

The leading healthcare design industry show is going virtual!

Attendees will have the opportunity to earn more than 20 continuing education credits, network with peers, discuss best practices, and influence the direction of the industry as it advances into the future. Click [here](#) for more details.

[Register](#)



### Firestop SOP for Healthcare

This seminar will outline the benefits of having this most important life safety feature.

Learning Objectives:

- Understanding the importance of having a standard operating practice (SOP) for firestopping, or passive fire protection and how to design or enhance one.

- Understanding what firestopping is and why passive fire protection is such a critical component to life safety and code compliance.
- Identifying the key elements to a balanced fire protection program in any barrier management program.
- Recognizing areas for consideration when designing sustainability into a healthcare facility, or future-proofing.

This course has been registered with AIA (1 LU/HSW), BICSI (1 CEC) and ICC (0.1 CEU).

**Thursday, October 15, 2020**  
**2:00 PM EDT**

[Register](#)

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## **2019 CALIFORNIA BUILDING CODE**

### **Part 2, Title 24, California Code of Regulations**

[CAN 2-102.6](#) – Remodel – 11/08/2019

Action/Comment: N/A

[CAN 2-407.4.1](#) – Direct Corridor Access from Habitable Rooms – 11/12/2015

Action/Comment: 04/23/2020

[CAN 2-407.2.2](#) – Nurses’ Stations – 04/21/09

Action/Comment: 07/08/2020

[CAN 2-703.3](#) – Engineering Judgments – 05/20/09

Action/Comment: 07/09/2020

[CAN 2-2508.2.1](#) – Weather Protection for Gypsum Wallboard – 08/19/2009

Action/Comment: 04/16/2020



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