



FORMATIONS

ISSUE 18

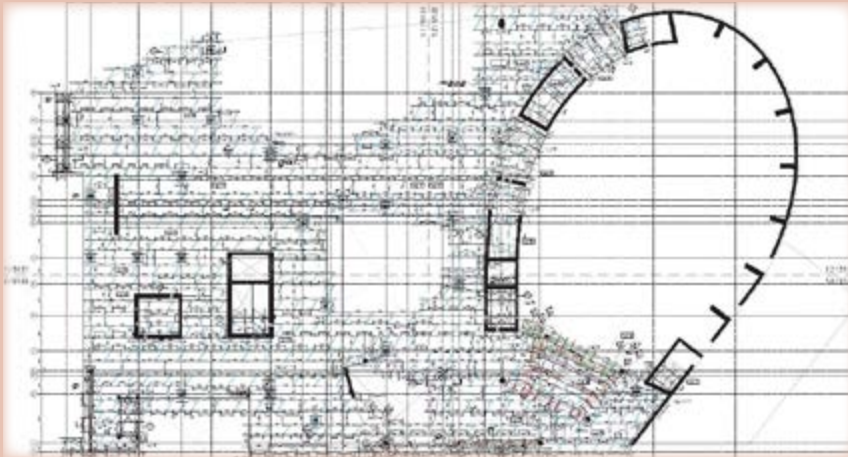
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SYMONS® EXPANDING INTO SPACE (CENTER)

The Samuel Oschin Air and Space Center, Phase III of the California Science Center Master Plan, will be an approximately 170,000-square-foot expansion. The new addition will invite guests of all ages to fuel their dreams of flight and space exploration.

Floor plans for the Samuel Oschin Air and Space Center include three primary sections:

- **AIR GALLERY** will show how the pursuit to master the sky involves tradeoffs among four principles of flight—lift, thrust, drag and weight
- **SPACE GALLERY** will look at the pursuit to learn about and explore our solar system, galaxy, and the universe beyond.
- **SPACE SHUTTLE GALLERY**, which explores the pursuit to make space more accessible to humans, will include a display of the Space Shuttle Endeavour in launch position



SYMONS SYSTEMS ON THIS PROJECT:

- Circular Column Forms
- ShorFast™ Shoring
- Hi-Lite Shoring
- Custom Steel Column & Capital Forms

Working closely with Morley Builders, the Symons Team utilized our lightweight, high bay aluminum frame shoring system to shore 16" slabs with beams at standard elevations of 25'. Level 3 and Mechanical Roof high bay slabs went from ground level elevation to soffit heights of 75' and 100' respectively!

Our Steel Forms Division, through a collaborative creative design planning directly with Morley Builders, were able to design a custom elliptical flare column form of 25' high columns with the ability to jump from level to level.



As is standard practice, our Operations Team exceeded the contractor's expectations with **100% ON TIME DELIVERY** throughout the entire project - showing why we continue to excel on projects of this size and visibility!

SELECTED STAT BREAKDOWN:

- 8' thick slab floating on six seismic isolators (to support the full space shuttle stack in launch position)
- Three levels of 16" thick elevated decks varying in height from 20-25' (some areas over 60' high)
- 24-36" diameter circular column forms (CCF)
- Custom "elliptical" column form
- Custom 36-60" flared column form



CIRCULAR COLUMN FORMS



SHORFAST™ SHORING SYSTEM



MORLEY BUILDERS



HI-LITE SHORING SYSTEM

Contact your Symons rep today to find how **THE POWER OF RED™** can offer you **SOLUTIONS** and **SAVINGS!**

Find your regional rep here. --->



A SUCCESSFUL MOVE FROM LIVERMORE TO TRACY, CA

Earlier this year, our Symons Livermore rental yard was relocated to Tracy, California - 30 minutes away from its previous location. Over 100 truckloads and four million pounds were moved. The new, centrally located Tracy rental yards sits on 3 1/2 acres and offers quick and convenient access to all major freeways in northern California. Our new location is 70 miles east of San Francisco and 78 miles south of the state capital, Sacramento. This move assists in serving our customers faster and more efficiently with expanded space and fast roadway access.

Symons by Dayton Superior has been operating this rental yard since 2015 - it specializes in servicing large commercial forming projects throughout entire west coast of North America, featuring aluminum shoring systems Drop Head and Hi-Lite.



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SUTTER HEALTH CENTER: PARKING FACILITY ADDITION

In Roseville, CA the **Sutter Health Center** is expanding their current parking garage. The new construction calls for expansion on all six levels of the current garage with about 30,000 SF per level added. This will add 560 parking spaces to better serve their growing community.

The parking garage consists of precast beams and columns with 5 1/2" slab spanning each bay. **Urata and Sons Concrete** reached out to Symons, requesting **Hi-Lite Shoring System** for the project. Hi-Lite was supplied with long span stingers to straddle each precast beam in order to carry their fabricated tables which hold the cast-in-place slab.



Symons engineering team partnered with Urata and Sons to support and assist with design alterations as needed to keep the project on time and within budget. The Symons operations group did a fantastic job keeping up with the faced-paced delivery schedule - the final level is currently underway as of this November 2023 publication date.

