



# LACH<sup>3</sup>



NEW UNITED STATES COURTHOUSE - LOS ANGELES, CA

January 2015

**Changing the Skyline.** That is what we are doing with construction of the Courthouse in downtown LA. No, we may not be a high-rise but we are making a difference in the community. As seen in the panoramic photo below, we are two blocks from the Walt Disney Concert Hall and two blocks from LA City Hall. We are also diagonal from a new Regional Connector Rail Station under construction and located on a city block around which the City plans to construct a Street Car system on three sides. This is the center of the action and the Courthouse will make a great “anchor” for these area improvements.



Photo courtesy of Brad McDermott – Clark Construction Company

As for the action occurring on site, the steel erection has completed through Level 10, the top occupied floor, with erection scheduled to start in early February for last levels of the building, the Penthouse and Roof levels. Construction of the concrete shear walls and placement of the concrete slabs has progressed up through Level 7 with efforts continuing to complete within a month of the steel erection.

Other concrete work has occurred for the Loading Dock facilities in the Basement with construction of the dock retaining walls and slabs-on-grade along with the under-slab utilities and services. Other Basement activities include the placement of equipment pads for the delivery of the boilers and electrical cabinets and switchgear, for which arrival of equipment started in January. Installation of the overhead mechanical and electrical services has continued and expanded up to Level 3 for the fire sprinkler piping and ductwork installation. Concrete masonry is working on the perimeter walls of the Mezzanine and Level 1 which will support the limestone walls scheduled to start in late February.

The Contractor is currently building the Courtroom Mockup (see photo below) at an off-site location to permit the Judges and GSA to experience the courtroom before we jump into the construction of the



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twenty-four that will be in the Courthouse. This is a full-size mockup with all the finishes and fixtures that will be provided in the final courtrooms and will permit review of the placement of devices for audio/visual and security and permit the identification of any tweaks that need to occur in the construction.



We have numerous activities in progress on many of the floors and with the completion of the structure in March, the pace will increase along with the work force, rising to an anticipated level of nearly 400 from our current count of 260. The construction remains on schedule for completion in July 2016 and occupancy shortly thereafter.

## **Design & Construction Activities Completed This Period**

- Design efforts on Project Enhancements is continuing with selection of specific enhancements made by GSA
- Completed steel erection of Levels 9 and 10
- Completed shear walls up to Level 7
- Completed concrete slabs up through Level 7
- Spray-applied fireproofing on Level 4, the framing for underside of Level 5
- Commenced Fire Sprinkler Piping for the Level 3, below the framing of Level 4



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- Commenced ductwork installation for the Building Risers
- Continued CMU Installation on Level 1 and started the perimeter walls of the Mezzanine Level
- Placed Loading Dock walls and slab-on-grade
- Started scaffold and formwork for beams of Transformer Yard Roof structure

## **Activities for Next Period**

- Complete slab on Level 8
- Complete shear wall concrete placement up through Level 8 and start towards Level 9
- Commence steel erection of Tier #6, the Penthouse and Roof Levels. This is the main roof truss structure.
- Start the structural cast-in-place Board Form walls for the Cafeteria and Vehicle Sallyport area.
- Continue MEP Installation in the Basement areas with delivery of more equipment
- Fireproofing on Level 5 and 6.
- Deliver the first of the Air Handling Units (AHU's) for placement on the Mezzanine Level.

## **Project Milestones**

- Delivered Boiler Units – 19 Jan 2015
- Completed Tier#5 Welding of steel – 23 Jan 2015
- Completed Level slab installation – 23 Jan 2015

## **Sustainability Features:**

As construction progresses the team continues to make every effort to reduce the project's environmental impact including the tracking and monitoring of waste produced and leaving the site.

The first step to reducing waste is to minimize its creation by ordering material carefully and following proper storage and handling procedures to reduce damaged materials. Once waste is created, it is sorted and hauled by companies with the ability to further sort and recycle at an off-site location. To date the construction of the LA Federal Courthouse has produced nearly 600 tons of waste. However, by following our rigorous Construction Waste Management Plan



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we have been able to recycle or reuse 79% of that waste, thereby diverting it from landfills. By diverting over 75% of waste we earn 2 LEED points for Materials and Resource Credit MRc2.

## Progress Photos



**Curtain Wall Unit in Fabrication**



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**Roof Truss Fabrication**



**Shoring for Transformer Yard Structural Beams**



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**Placing Level 7 (West) Slab**