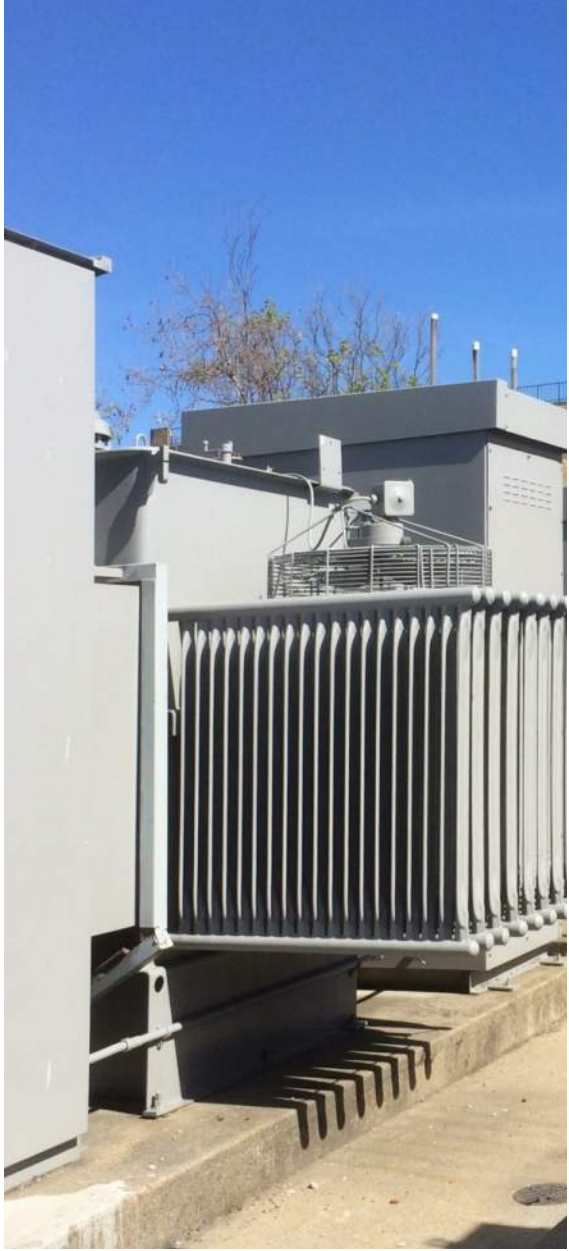


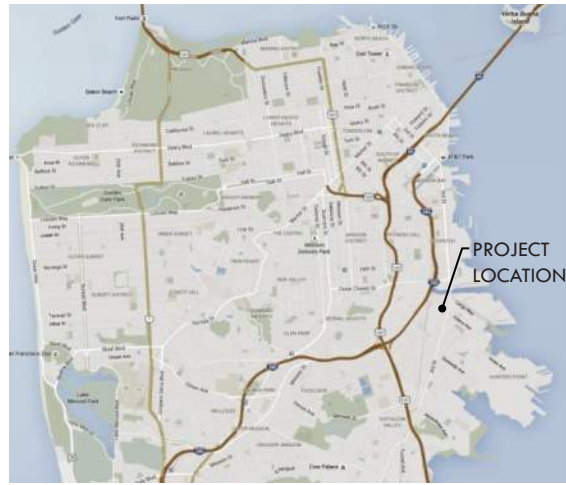
SOUTHEAST PLANT  
POWER FEED AND PRIMARY SWITCHGEAR UPGRADES

CIVIC DESIGN REVIEW - PHASE 1 - NOVEMBER 14, 2016

CITY & COUNTY OF SAN FRANCISCO  
PUBLIC UTILITIES COMMISSION







**BACKGROUND**

The proposed electrical building is located at the Southeast Water Pollution Control Plant (SEP), located at the corner of Evans Avenue and Phelps Street. The plant serves 2/3 of the City’s citizens and is the San Francisco Public Utilities Commission’s (SFPUC) largest wastewater treatment facility.

**OBJECTIVE**

To upgrade the main switchgear system to provide power for all existing SEP electrical loads and future Sewer System Improvement Program (SSIP) facilities’ demand and peak loads.

**BUILDING SOLUTION**

To provide a building enclosure for electrical equipment that is “contemporary” in design and responsive to the existing structures on site. Proposed facility shall also be resistant to the corrosive environment created by the wastewater treatment plant.

**SURROUNDING BUILDINGS LEGEND**

- 1. Secondary Sedimentation Tanks
- 2. Secondary Sludge Control Building
- 3. Gallery
- 4. Pretreatment Facility
- 5. Sedimentation Building
- 6. Aeration Tanks
- 7. Postchlorination Building
- 8. Chlorine Contact Channels
- 9. Administration Laboratory Buildings
- 10. Sedimentation Buildings
- 11. Dryer Building
- 12. Service Building
- 13. Operators Building
- 14. Small Concrete Building



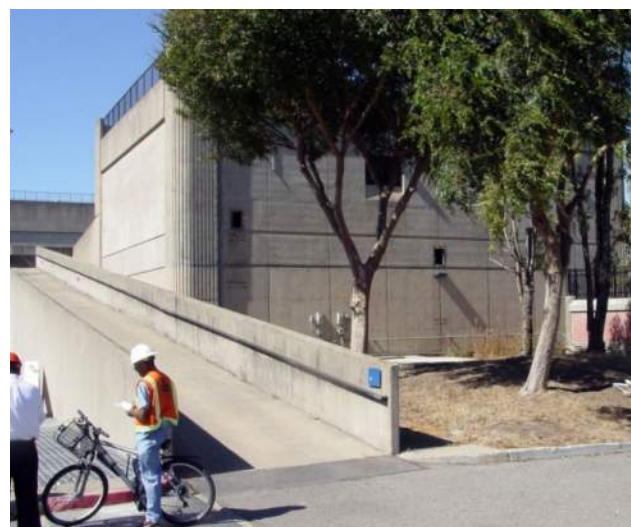
Project Site



**Building Design & Construction**

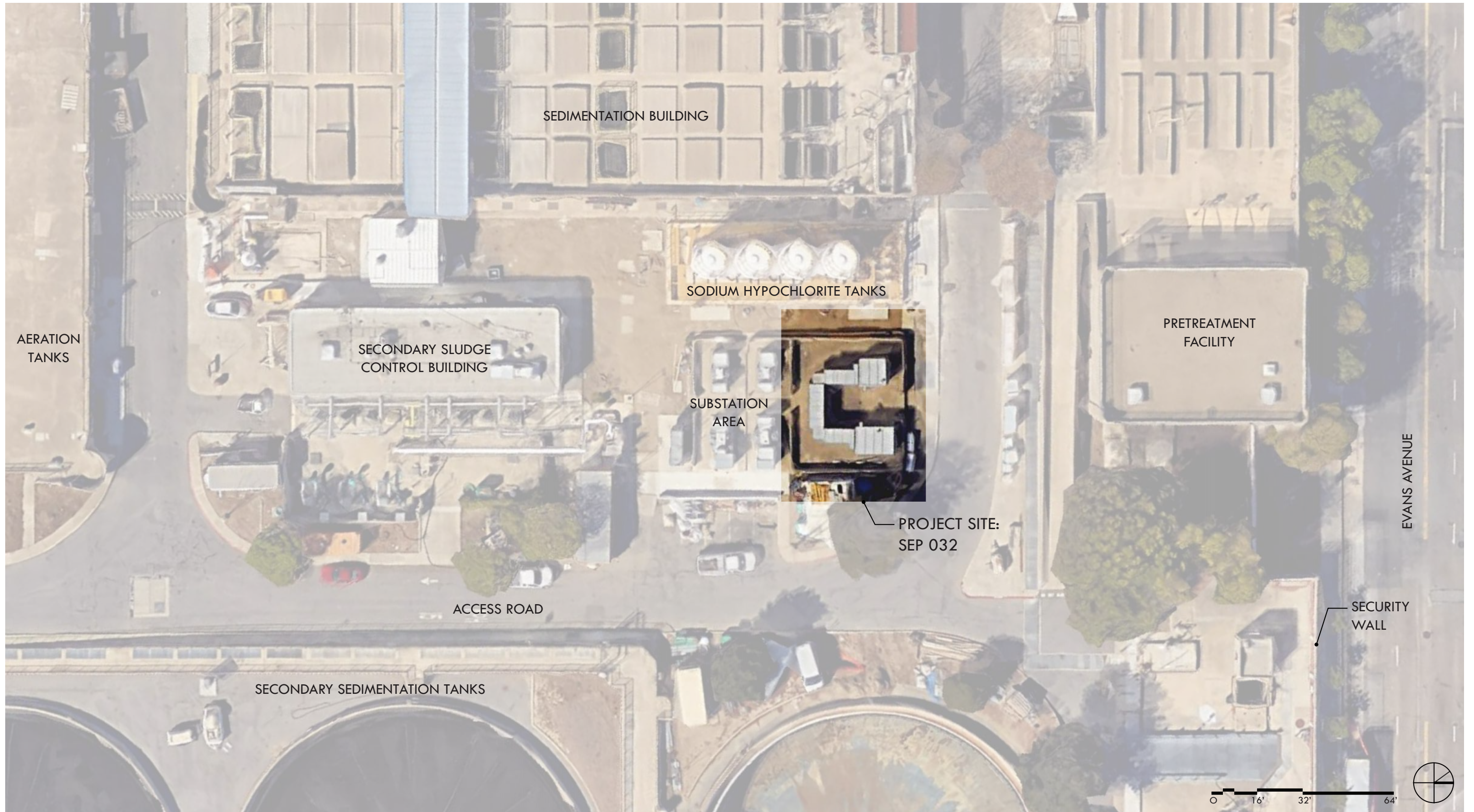
**SEP Power Feed and Primary Switchgear Upgrades**





Southeast Plant - Surrounding Buildings





EVANS AVENUE

Site Plan





SEP 032 - Existing Conditions

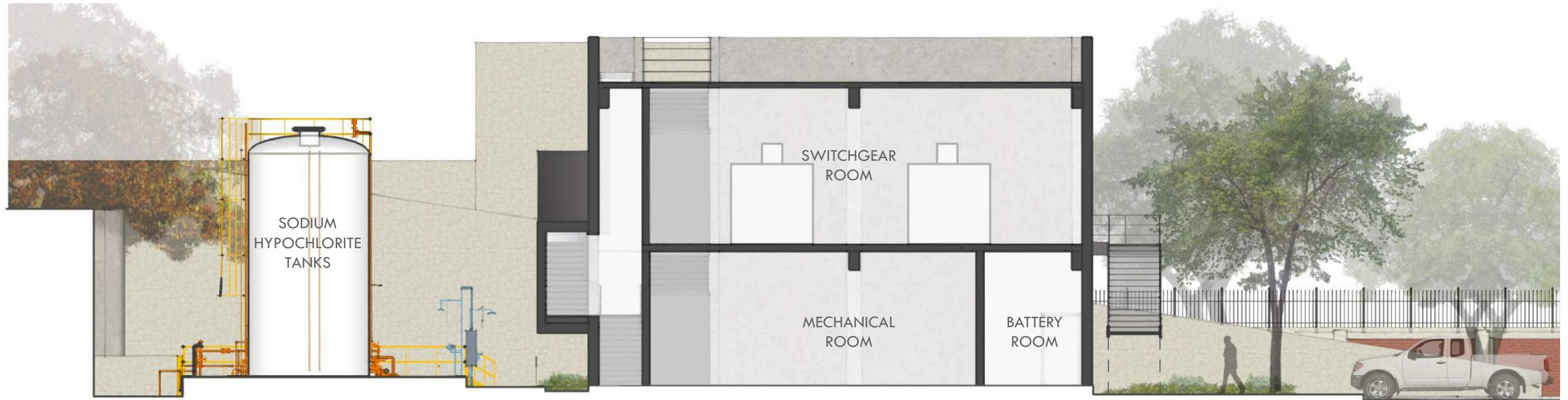




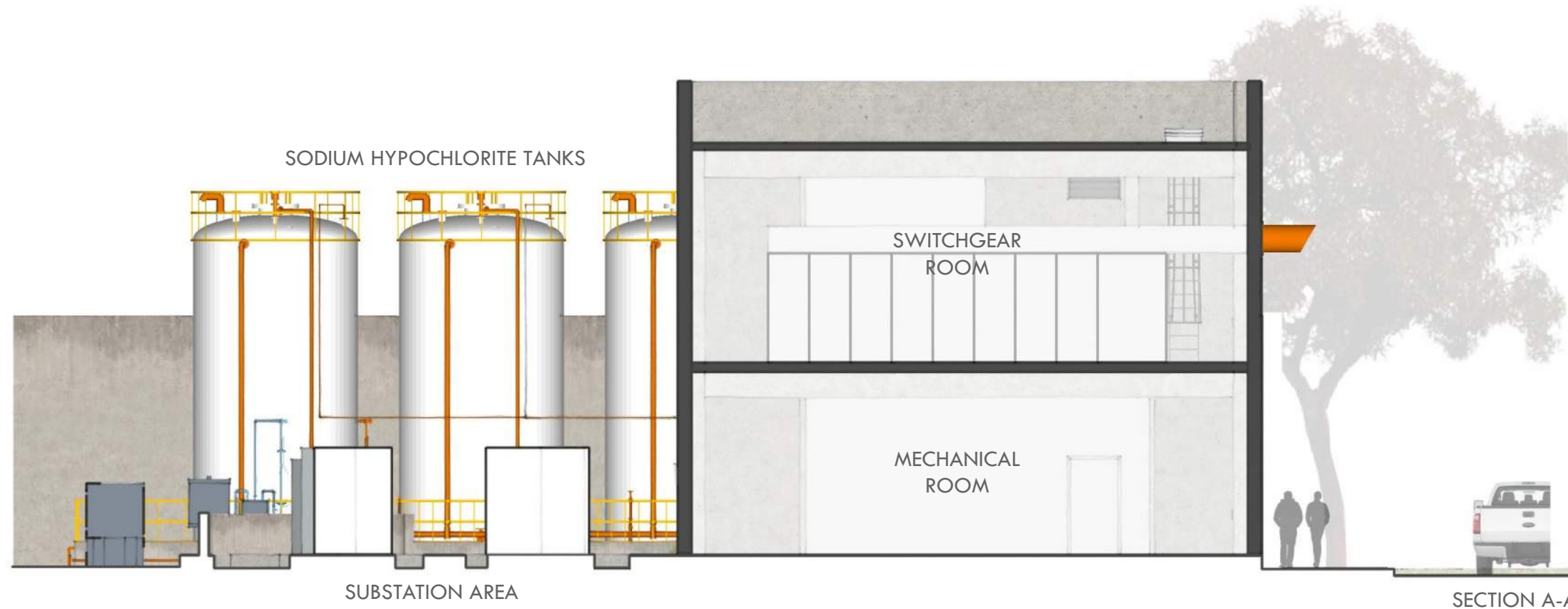








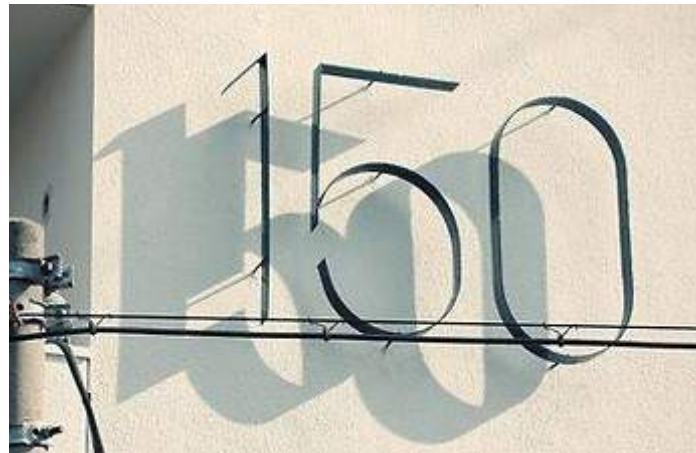
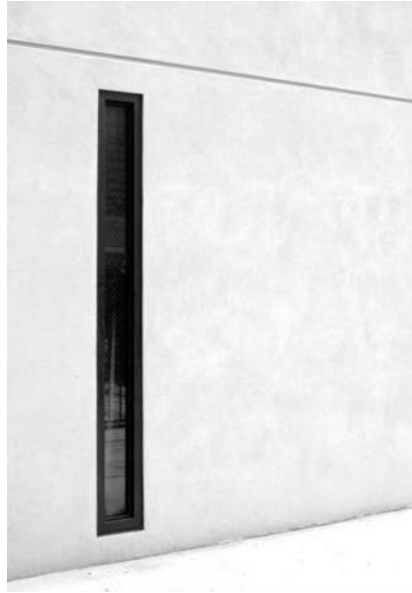
SECTION B-B



SECTION A-A

0 5' 10' 20' Building Sections





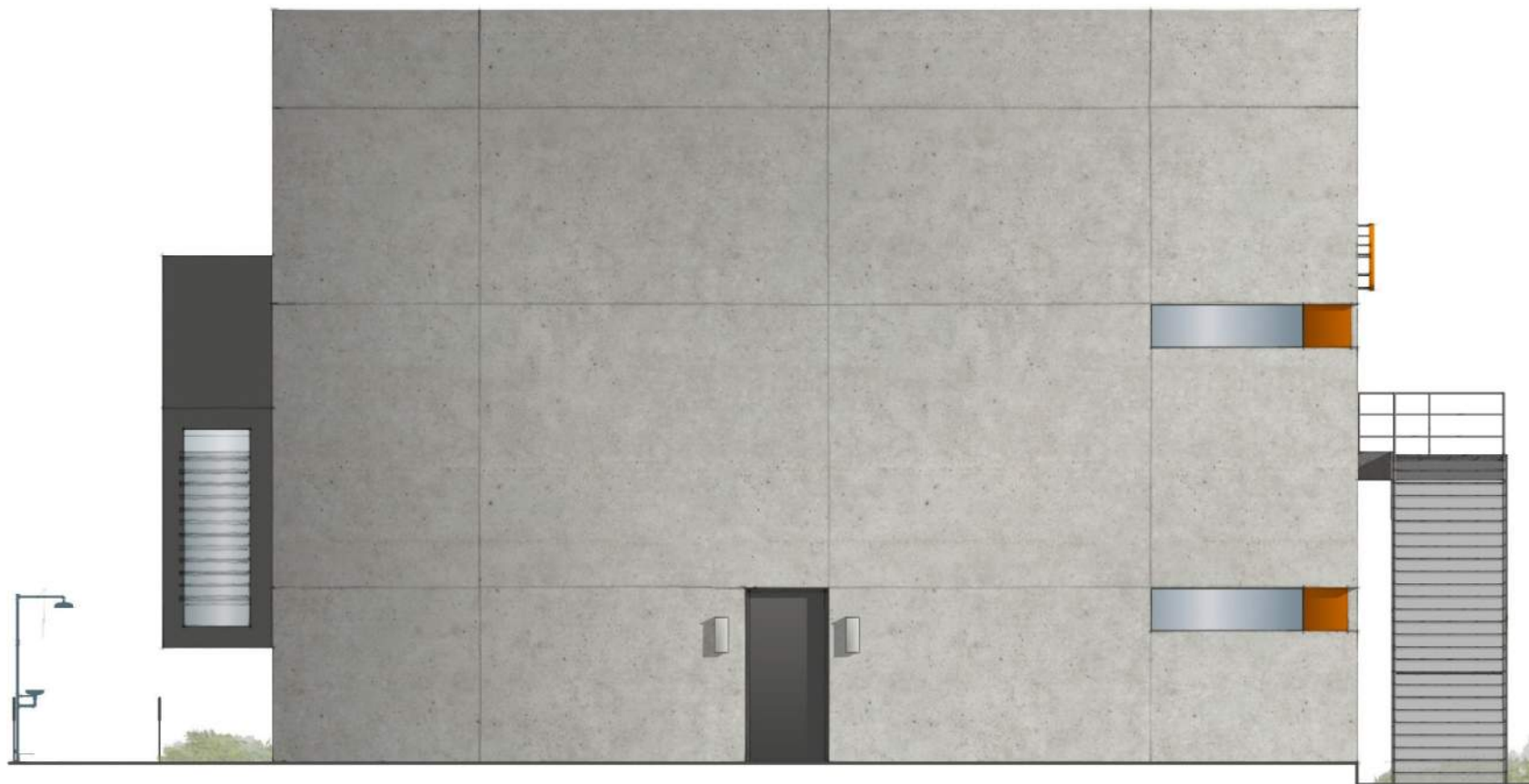
Imagery





Previous Design (CDR Phase 1 Approval 05.16.2016) - View from Northeast





SOUTH ELEVATION

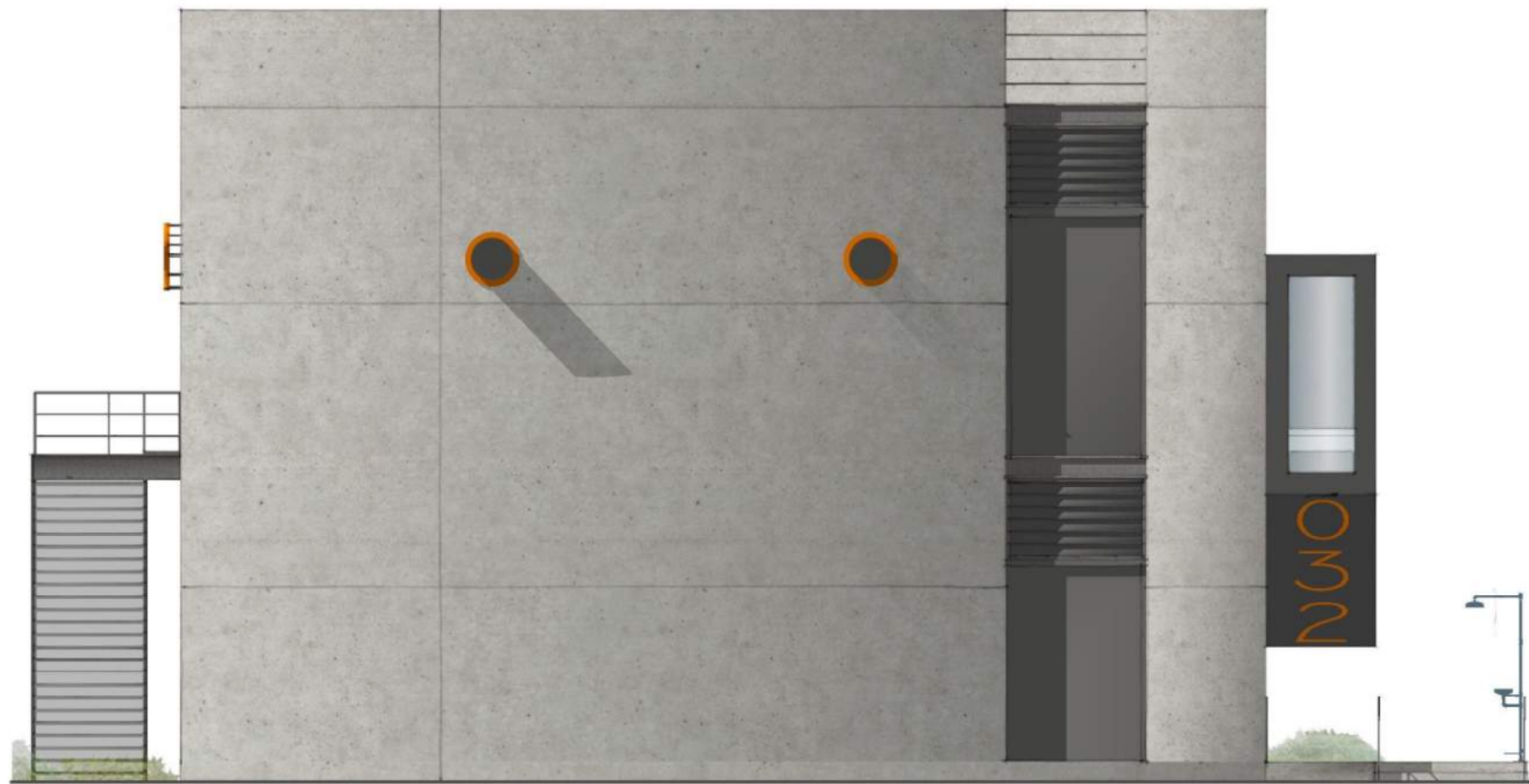


EAST ELEVATION

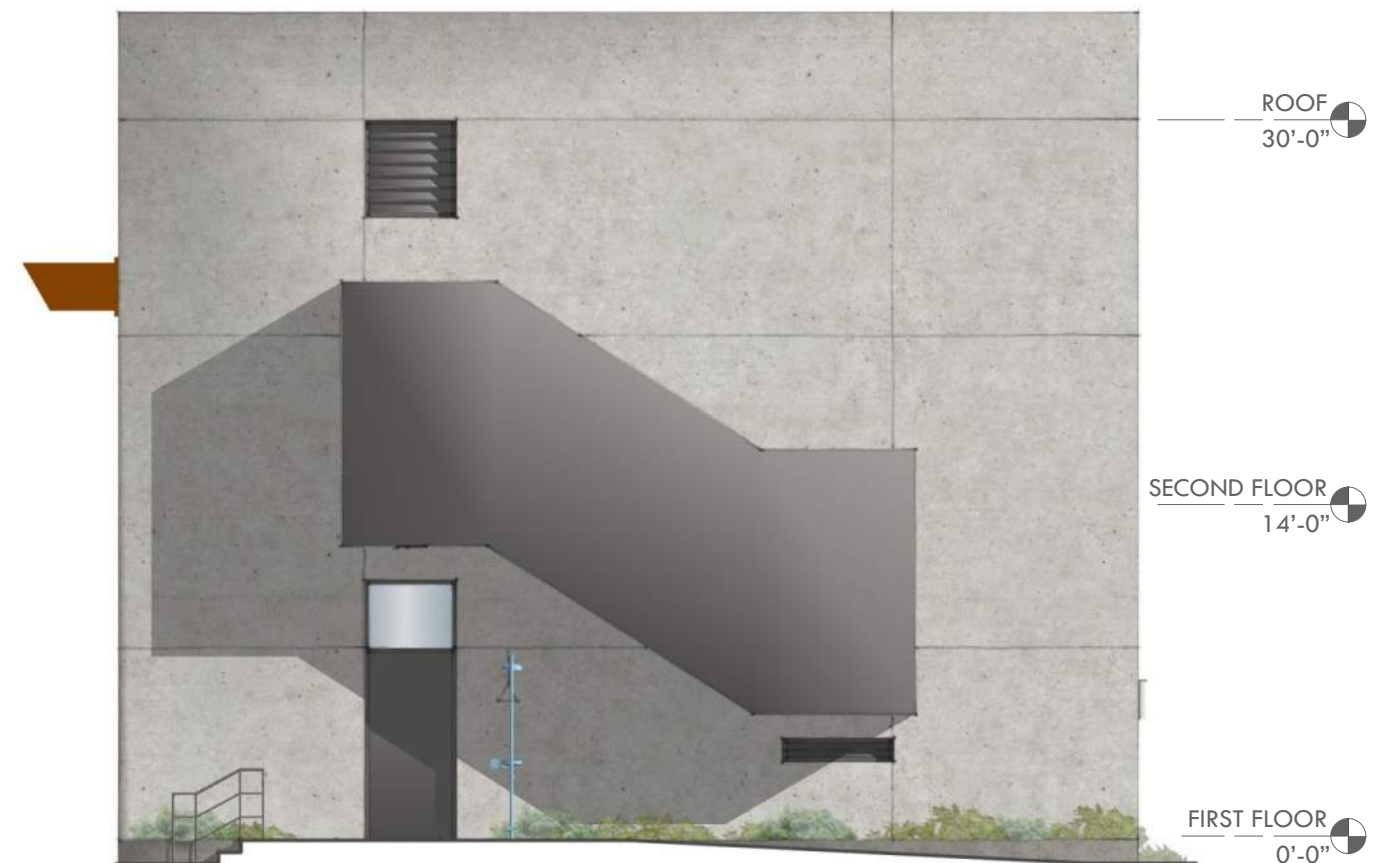


Proposed Design - Exterior Elevations





NORTH ELEVATION



WEST ELEVATION



Proposed Design - Exterior Elevations





Proposed Design - View from Northeast





Proposed Design - View from Southeast





Proposed Design - View from Northwest