Ambulance Deployment Facility

The Ambulance Deployment Facility project involves demolition of two structures built in the 1950’s and construction of a three-story, approximately 30,344-gross-square-foot (gsf) Ambulance Deployment Facility and a three-level, approximately 62,000 gsf parking structure behind the existing Fire Department Fire Station 9 located on same block/lot. The 1.7-acre project site consists of two parcels in an intensively developed area of San Francisco’s Bayview neighborhood characterized by various warehouse, distribution and light industrial uses.

Project will provide a higher-capacity, more efficient and seismically safer facility for City-owned ambulances to improve emergency medical response. No portion of the Ambulance Deployment Facility or parking garage will front on either Jerrold Avenue or McKinnon Avenue; the two structures would be located in the interior of the project site.

The facility will operate 24 hours a day, seven days a week and will be staffed for both daytime and night-time shifts. Emergency vehicles will not be dispatched from the proposed facility to emergency incidents; rather (and as currently practiced), they will be dynamically deployed from the proposed facility to pre-determined positions throughout the City at the start of each work shift.
Proposed & Existing Facility Locations

Sources: Esri 2015 and Panorama Environmental, Inc. 2015
Scale: 1:12,000
Existing Site Plan and Photos
Site Context Photos

- McKinnon Ave – Project Entrance
- McKinnon Ave – Across Site
- Jerrold Ave – Across Site
- Jerrold Ave – Project Exit
- Barneveld Ave
- Barneveld Ave
Precedents

Perforated Metal at Parking Garage

Perforated Metal at Parking Garage

Emergency Medical Services, Baton Rouge

Emergency Medical Services, Bronx, NY

Emergency Medical Services, Bronx, NY

UCSF Parking Garage
Design Concept

The project site is in an intensively developed area of San Francisco’s Bayview neighborhood between Highway 101 and Interstate 280. The surrounding neighborhood is currently characterized by various warehouse, distribution and light industrial uses. However, future development will include housing, retail, etc. as this neighborhood becomes a more prominent neighborhood in San Francisco. Therefore, the design will not only respond contextually, but will help define the future of the neighborhood.

The nature of the ambulance deployment facility complements the neighborhood’s building materials and light industrial functions. We see this facility’s design as an opportunity to use a high-performance building envelope with a perforated “skin” in order to complement the neighborhood’s context but also to respond to occupancy comfort since the facility will be operated 24 hours a day, seven days a week in an industrial neighborhood. The “skin” will conceptually perform as a “mediator” between the industrial neighborhood and the solitude of the interior. The “skin” will also enhance the building’s natural ventilation and daylighting.

Design criteria such as ambulance circulation, ambulance re-supply and logistical adjacencies are critical for the systematic operational flow.

Sustainable goals include living roof, reducing storm water, reuse captured storm water, utilizing planning and material strategies for natural ventilation and day lighting strategies.