Awning Replacement | Civic Design Review Phase 3 | May 18, 2015

Design- Bid- Build Project

Building Design and Construction
SF Department of Public Works

Building 930
Oceanside Water Pollution Control Plant
CANOPY DESIGN CRITERIA

- The goal of this project is to maintain the identity, character, and dimensional integrity of original awning design. The new awning will replace corroded carbon steel frame and defunct glass block cover with stainless steel framing and plastic glazing for increased corrosion resistivity, safety, and rain barrier to the building pedestrian access areas.

- Replace corroded steel frame and glass block canopy assembly at second floor of building 930, and add a new canopy at main entrance at first floor.

- Canopy at second floor shall follow the same design concept, dimensions, and suspended structural support engineered to withstand weight, seismic and uplift and related loads using same design system concept as existing.

- New canopy at entrance shall be inspired on the second floor canopy replacement for a unified design.

- New metal frames, metal plates, tabs, bracing, fasteners, and rod connections supports shall consist of Duplex Stainless Steel 2205 to withstand the corrosive environment of the coastal/marine zone while providing higher strength of the metal.

- Cover shall consist of lightweight translucent point supported Polycarbonate panels to provide protection against rain and condensation, shade to the interior spaces to avoid glare.

- The profile of the canopy replacement shall slope back to the existing concrete wall and shall be equipped with gutter to drain into the existing drain ports. New metal gutter shall possess the same corrosion resistivity as the new metal frame.

- New Canopy at first floor entrance shall slope away from building with no gutter at front.
Awning Replacement - Building 930
Design-Build Project

Existing Building Elevation
Existing Awning at Second Level Looking North-
Awning Replacement - Building 930

Existing Awning

Existing Building Entrance

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Existing South Elevation and Roof Plan
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New Awning Perspective

typical uplift bracing added
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Oceanside Water Pollution Control Plant
New Awning at Main Entrance
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Street Level View