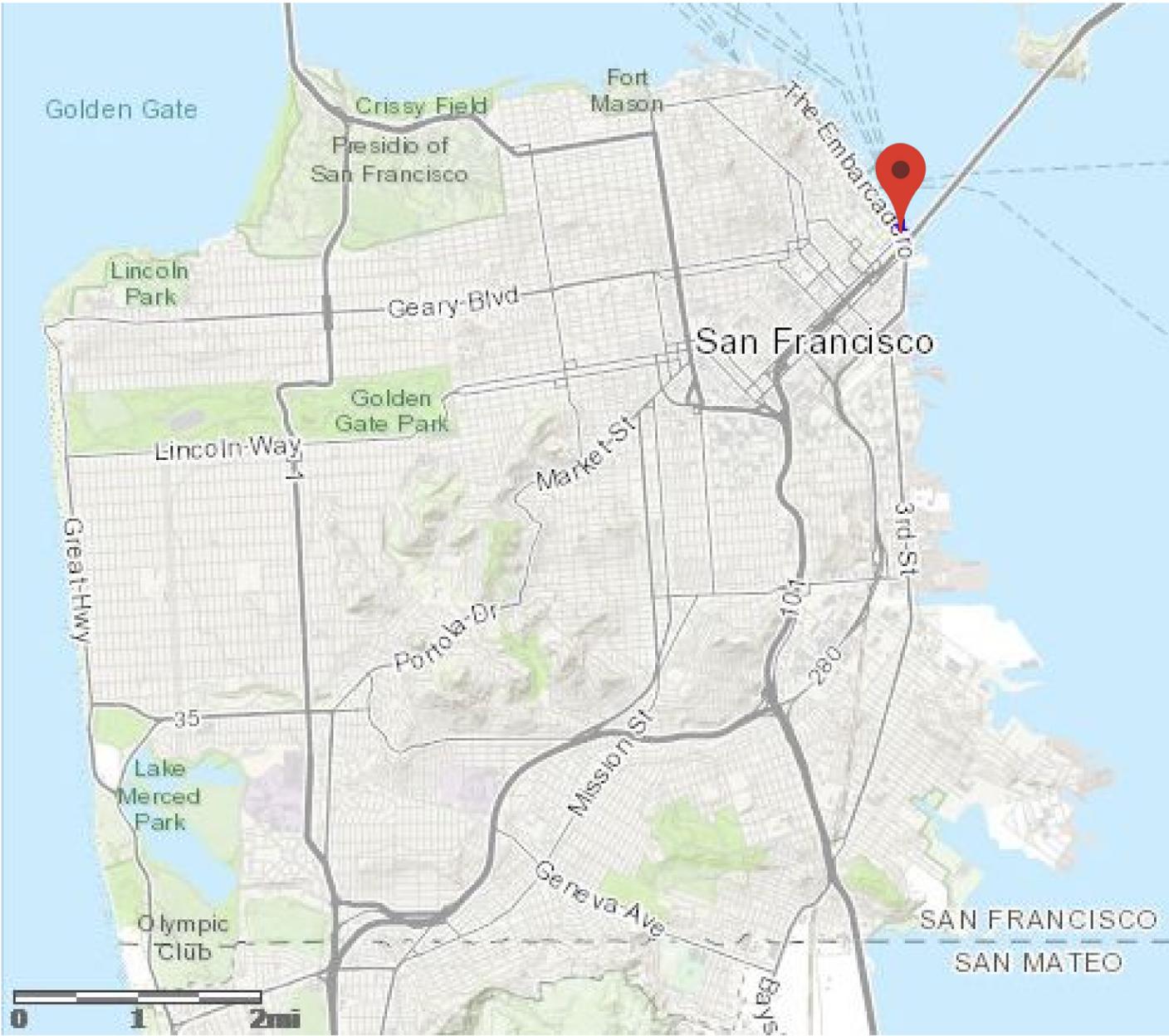


EXISTING SITE



VICINITY MAP



PROJECT LOCATION MAP

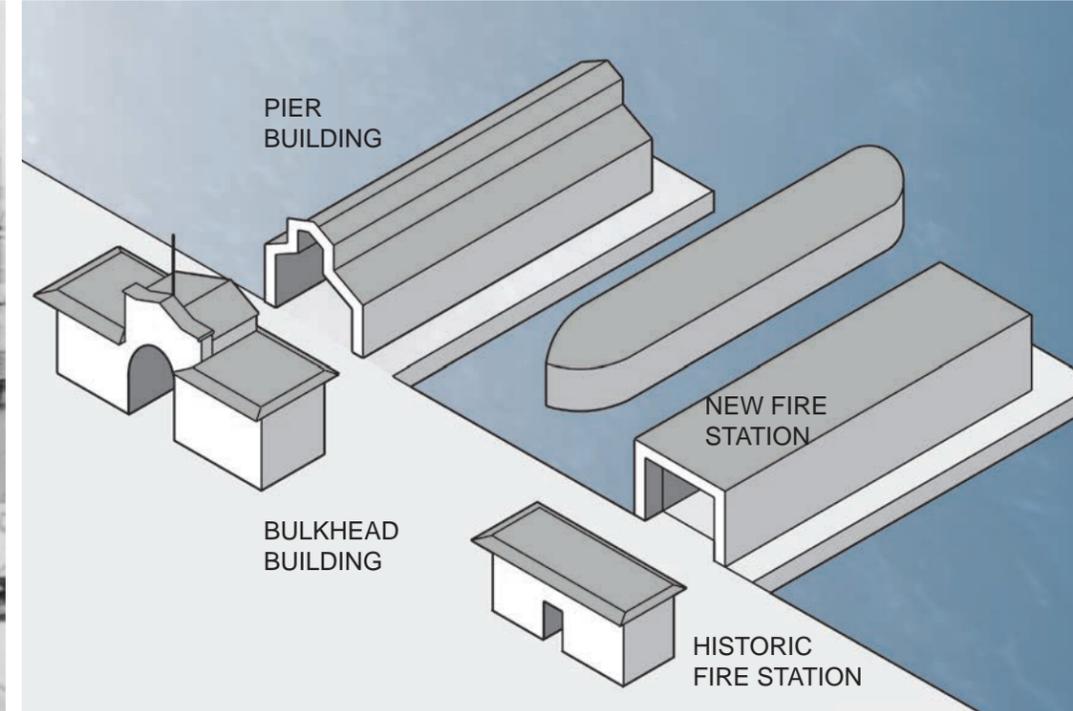


PROJECT LOCATION ALONG EMBARCADERO NORTHEASTERN WATERFRONT

CONTEXT



HISTORIC EMBARCADERO



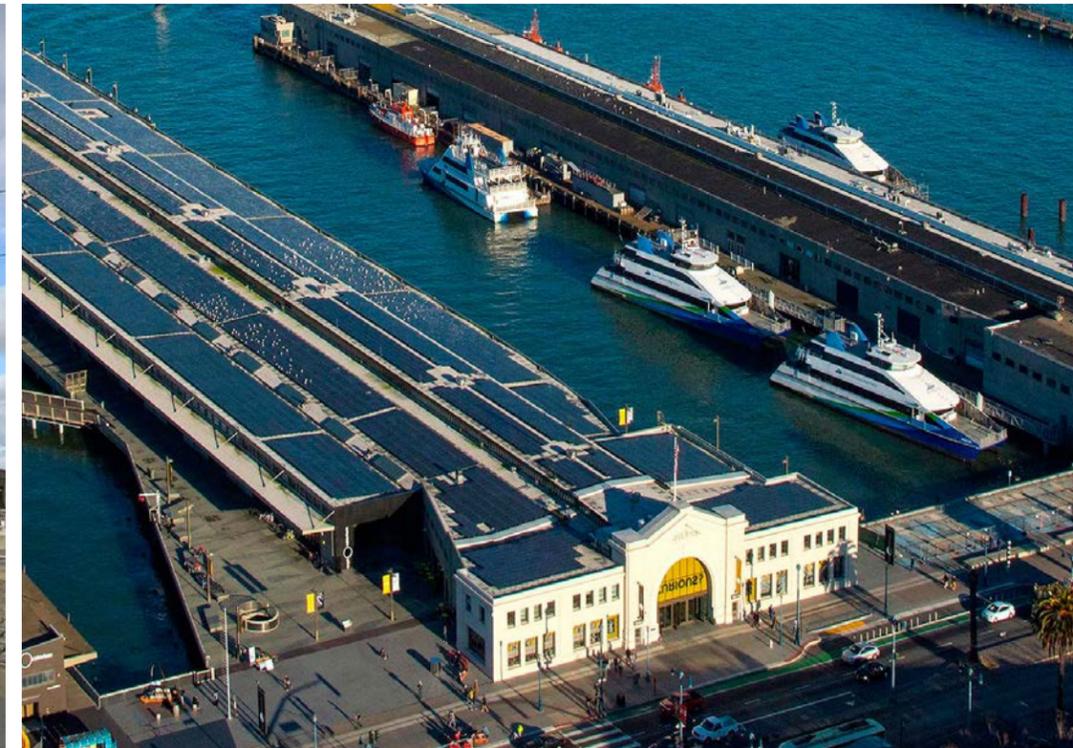
PARTI DIAGRAM



EXISTING FIRE STATION 35



EXPLORATORIUM



EXPLORATORIUM (AERIAL)

SFFD OPERATIONAL NEEDS

- CONSOLIDATE OF SAN FRANCISCO FIRE DEPARTMENT'S MARINE ASSETS AT CENTRAL LOCATION (SEE FIG. 1)
- IMMEDIATE DEPLOYMENT OF ALL THREE FIREBOATS, RESCUE WATERCRAFT, AND JET SKIS
- REDUCE RESPONSE TIMES TO INCREASING CALLS FOR SERVICE (SEE FIG. 2)
 - WATER RESCUE, FIRE OPERATIONS, EMERGENCY MEDICAL SERVICES (EMS), BODY RECOVERY, SPILL CONTAINMENT, EMERGENCY FIREFIGHTING WATER SYSTEM (EFWS), AND AUXILIARY WATER SUPPLY SYSTEM (AWSS)
- CURRENT STAFFING
 - 21 TOTAL MEMBERS ARE ASSIGNED TO FIRE STATION NO. 35; 7 MEMBERS ON SHIFT AT ANY GIVEN TIME
 - ENGINE COMPANY NO. 35: (4) FIREFIGHTERS; FIREBOAT: (1) OFFICER, (1) PILOT, (1) MARINE ENGINEER



FIG. 1 - SAN FRANCISCO FIRE DEPARTMENT MARINE ASSETS

A: PIER 22 ½ - THREE FIREBOATS; B: ST. FRANCIS YACHT CLUB - TWO JET SKIS, 1 RESCUE BOAT; C: FIRE STATION 8 - SPARE FIREFIGHTING HOSE; D: FIRE STATION 1 - SCUBA TANK FILLING STATION; E: FIRE STATION 9 - OIL CONTAINMENT BOOMS; F: FIRE STATION 49 - FIREFIGHTING FOAM FOR SHIP FIRES

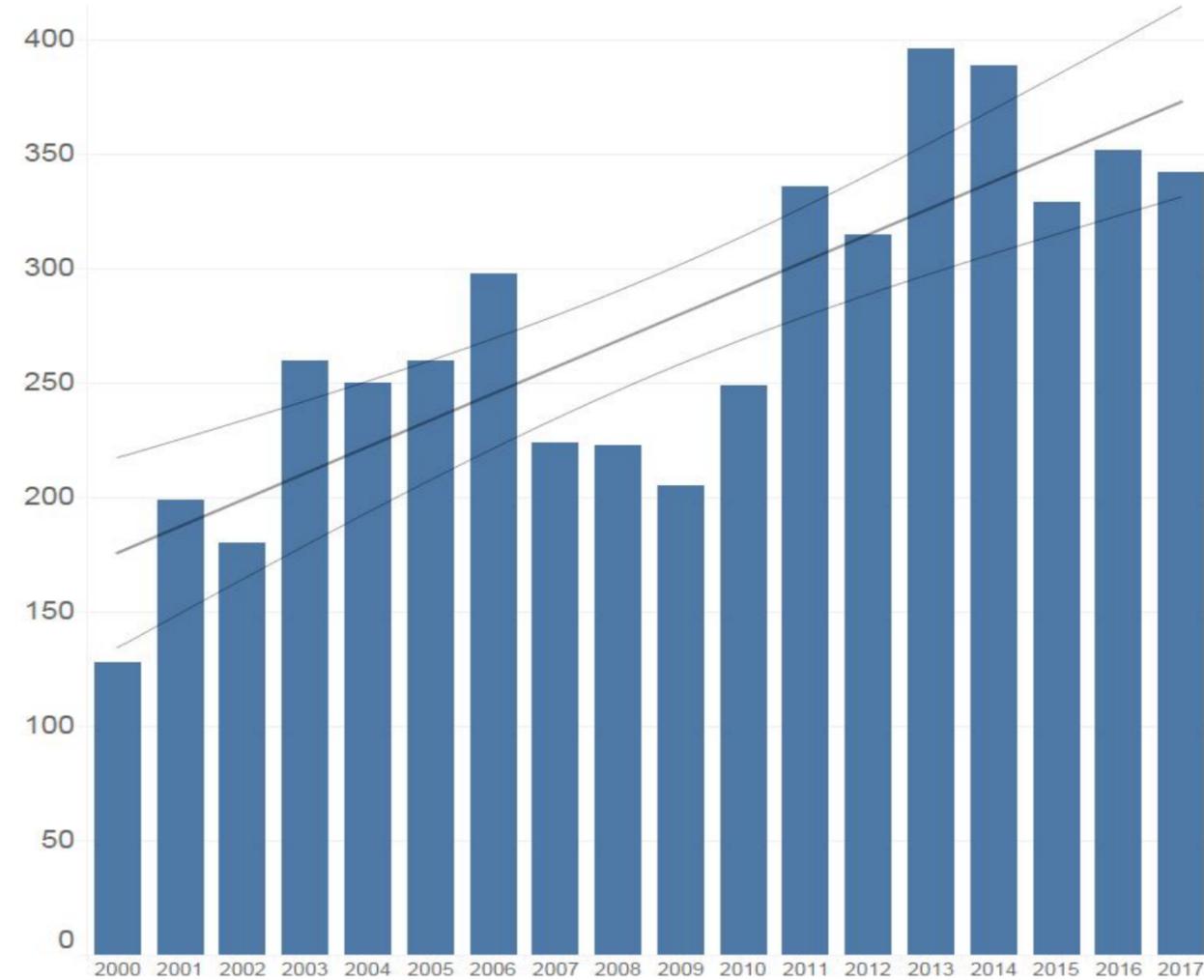


FIG. 2 - DISTINCT COUNT OF INCIDENTS RESPONDED TO BY SFFD MARINE UNITS
 TYPES OF INCIDENTS INCLUDE, BUT NOT LIMITED TO: AIRCRAFT EMERGENCY, ALARMS, CITIZEN ASSIST / SERVICE CALL, FUEL SPILL, HIGH ANGLE RESCUE, MARINE FIRE, MEDICAL INCIDENT, OIL SPILL, OUTSIDE FIRE, STRUCTURE FIRE, WATER RESCUE, AND WATERCRAFT IN DISTRESS

LOCATION ANALYSIS

BAY FILL VOLUME

AREA REMOVED



GROSS VOL. REMOVED:
1382 CF

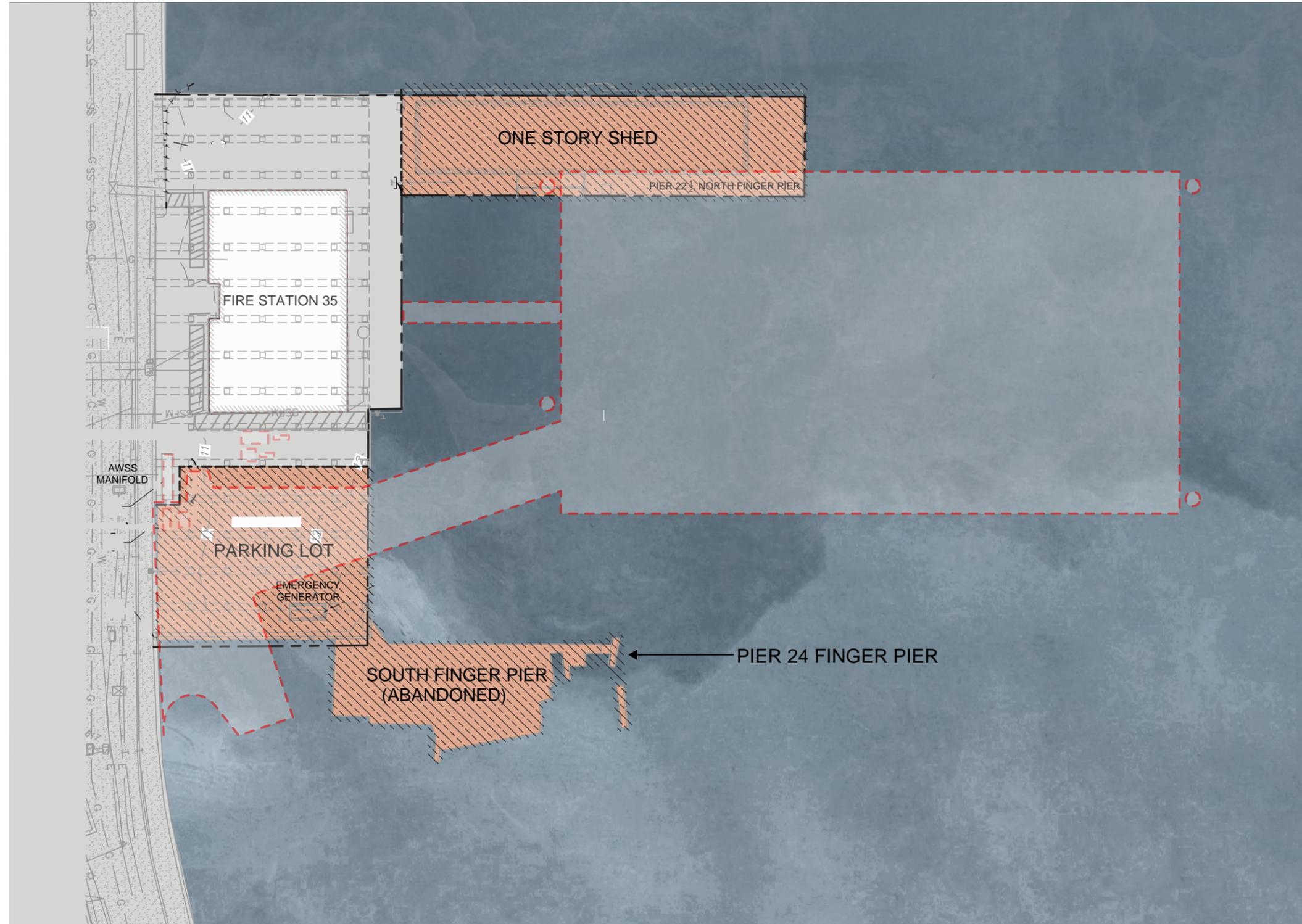
AREA ADDED



GROSS VOL. ADDED:
71000 CF

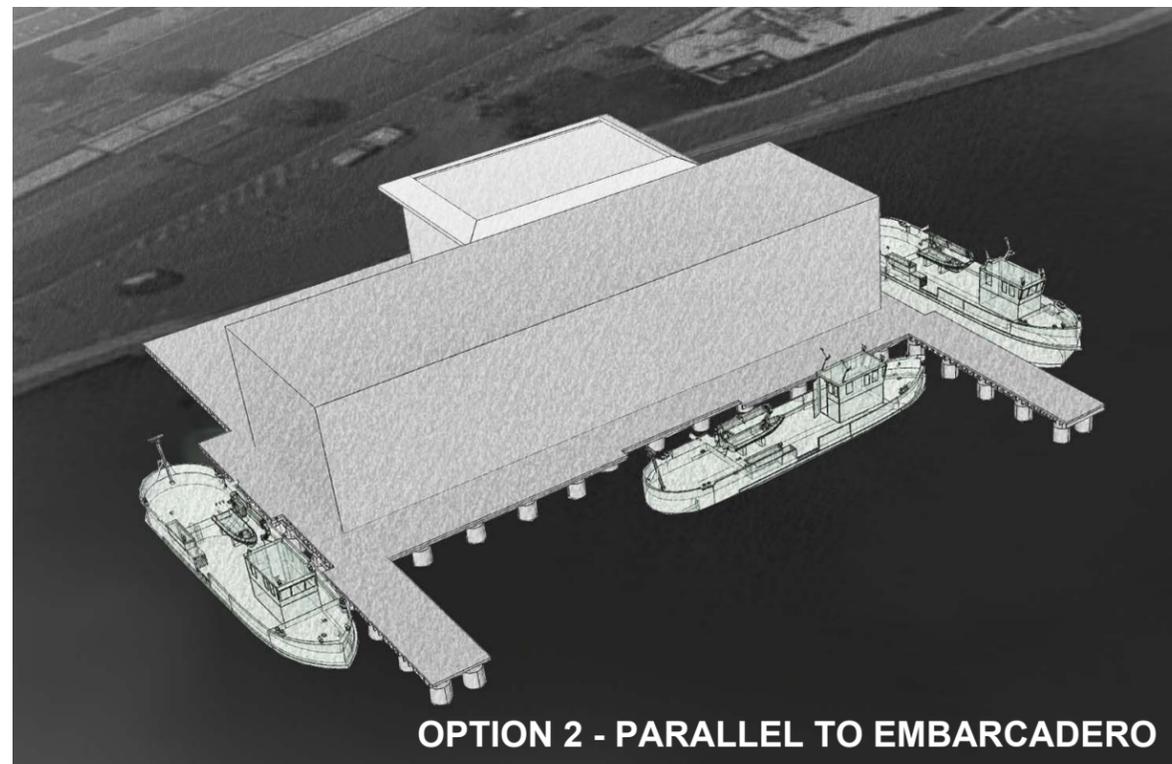
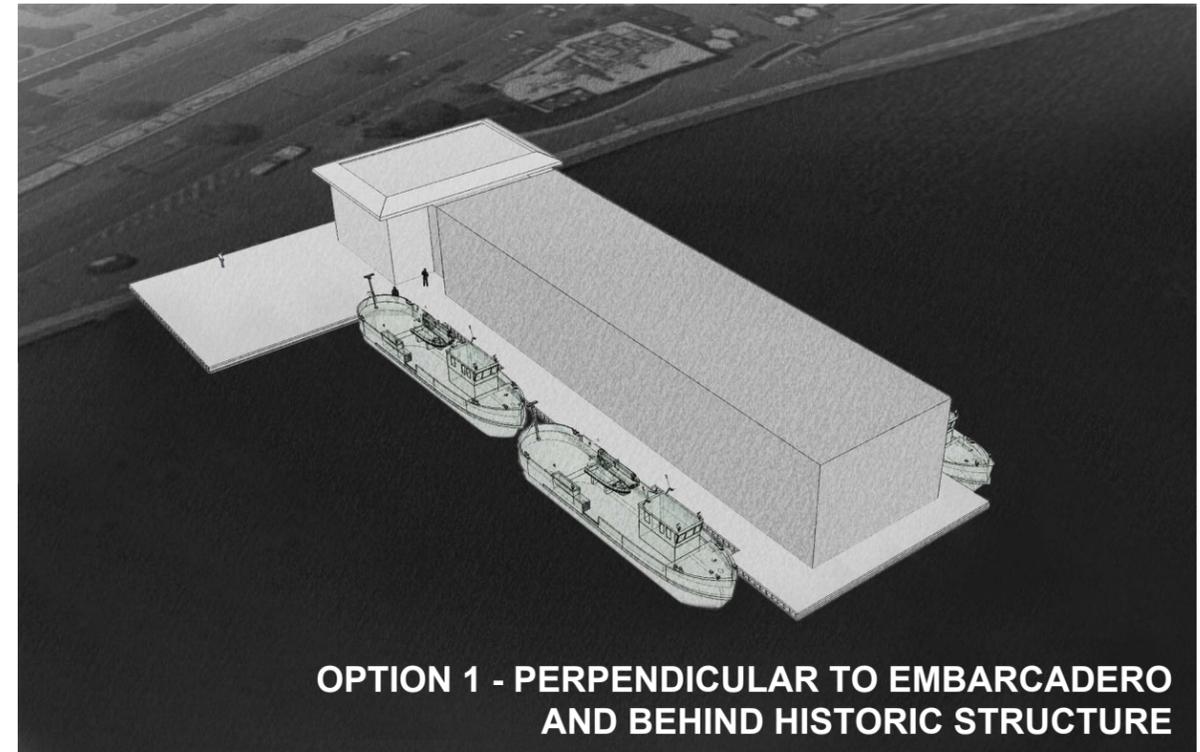
NET VOL. ADDED:
69618 CF

	Shadow Area			Bay Fill Volume		
	Gross Added	Gross Removed	Net Added	Gross Added	Gross Removed	Net Added
	SF	SF	SF	CF	CF	CF
Estimated	20,437	7,800	12,637	66,711	1,382	65,329
For Permit, with Contingency	22,000	7,800	14,200	71,000	1,382	69,618

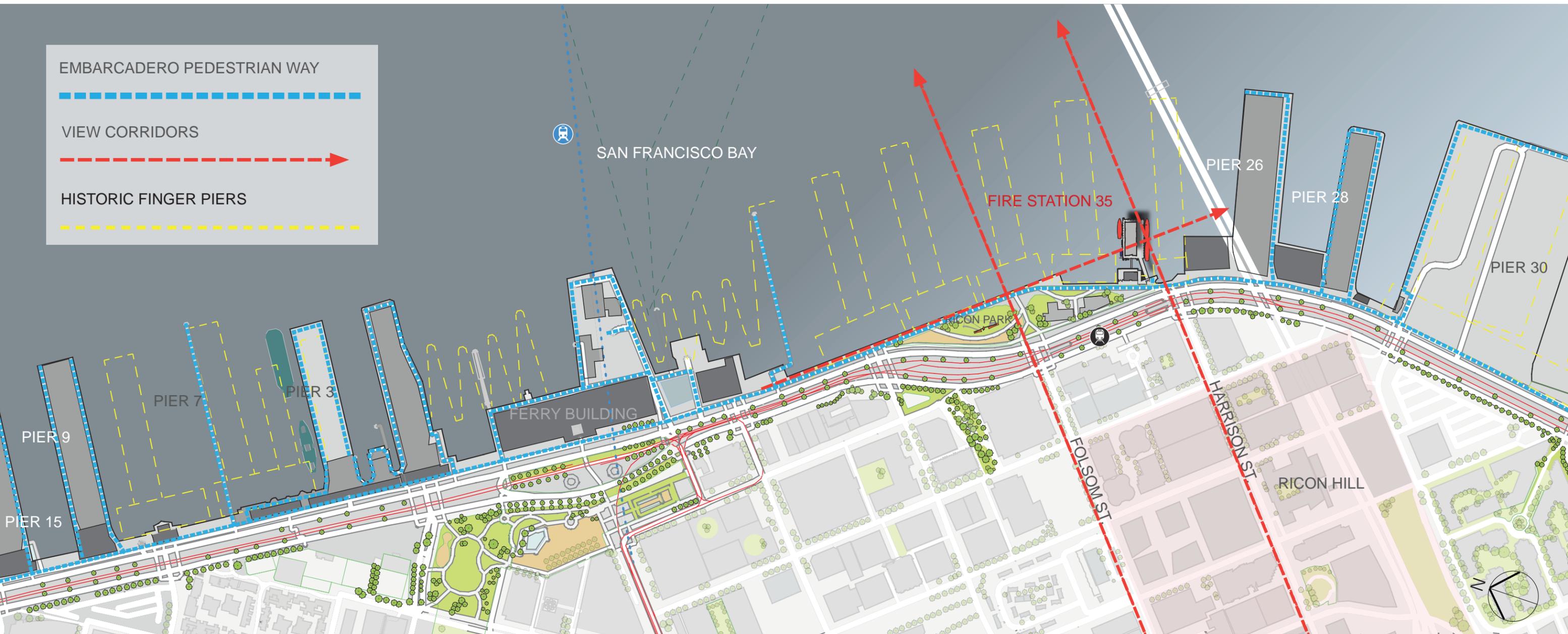


MASSING AND ORIENTATION

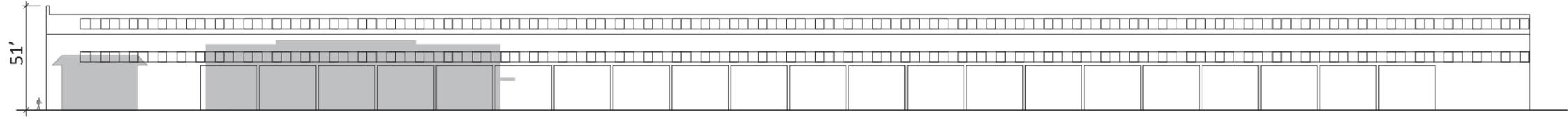
- MAINTAIN AND HIGHLIGHT VIEWS OF THE BAY AND BAY BRIDGE FROM HARRISON STREET AND RINCON PARK
- PRESERVE THE “RINCON POINT OPEN WATER BASIN”
- MAKE FIREBOATS “PHOENIX”, “GUARDIAN”, AND “ST. FRANICS” FOCAL POINTS
- HIGHLIGHT THE SAN FRANCISCO WATERFRONT’S HISTORIC MARITIME CHARACTER
- SHOWCASE THE HISTORIC FIREHOUSE, A SAN FRANCISCO LANDMARK AND CONTRIBUTING RESOURCE TO THE EMBARCADERO HISTORIC DISTRICT



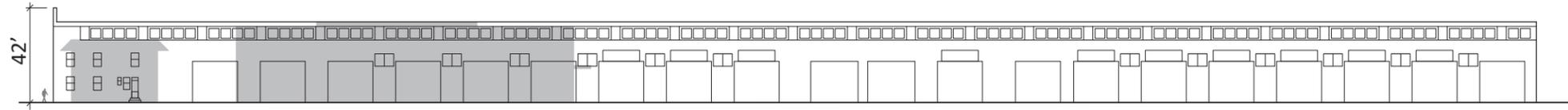
WATERFRONT SITE PLAN



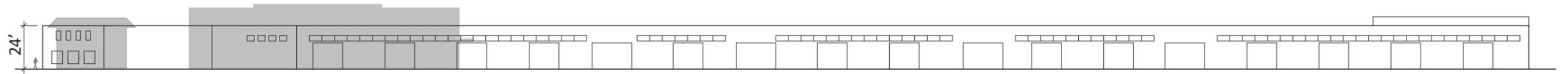
RELATIVE SCALE



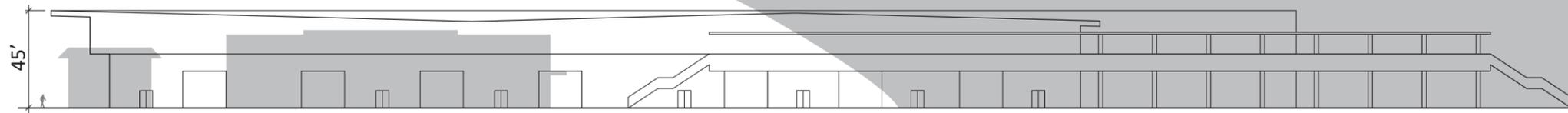
Pier 26 - Adjacent Pier



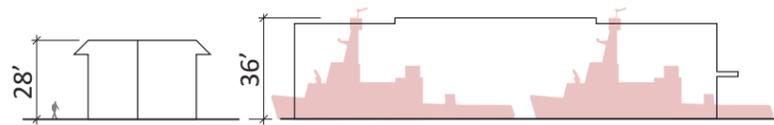
Pier 28



Pier 15 - Exploratorium



Pier 27 - Cruise Ship Terminal



Pier 22.5 - Fire Station 35

PHOTOMONTAGE

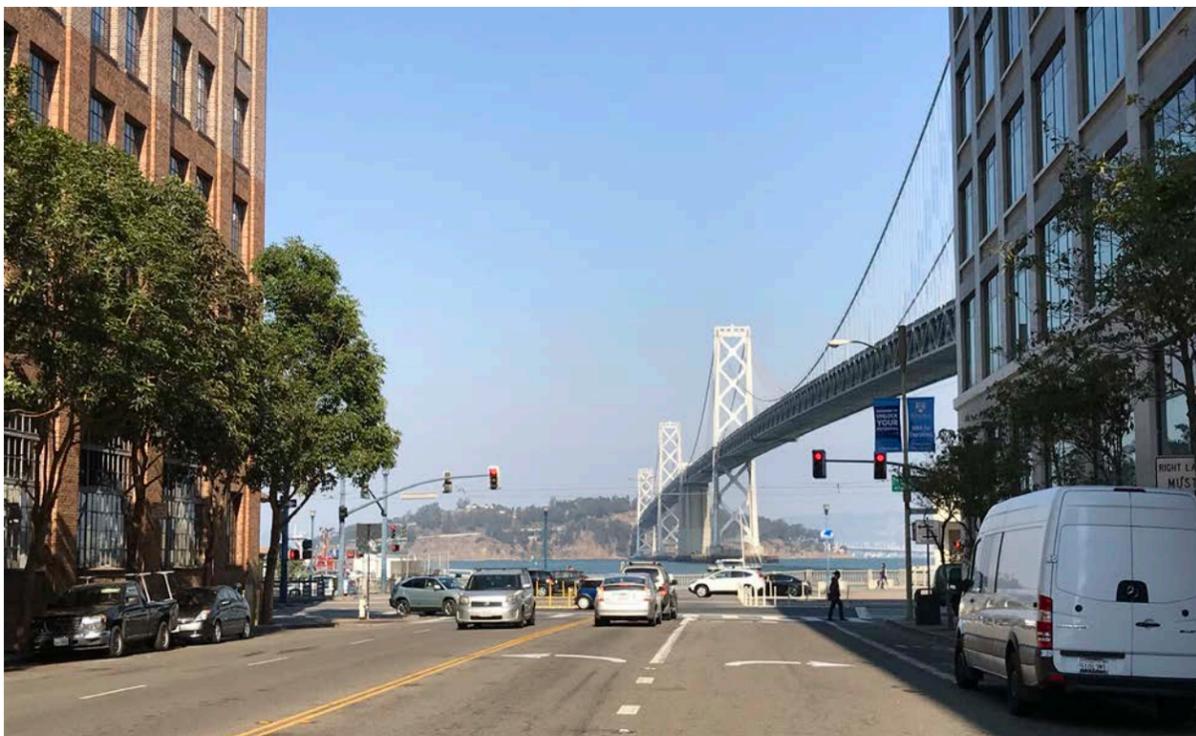
VIEW A (BEFORE)



VIEW A (AFTER)



VIEW C (BEFORE)



VIEW C (AFTER)



PHOTOMONTAGE

VIEW D (BEFORE)



VIEW D (AFTER)



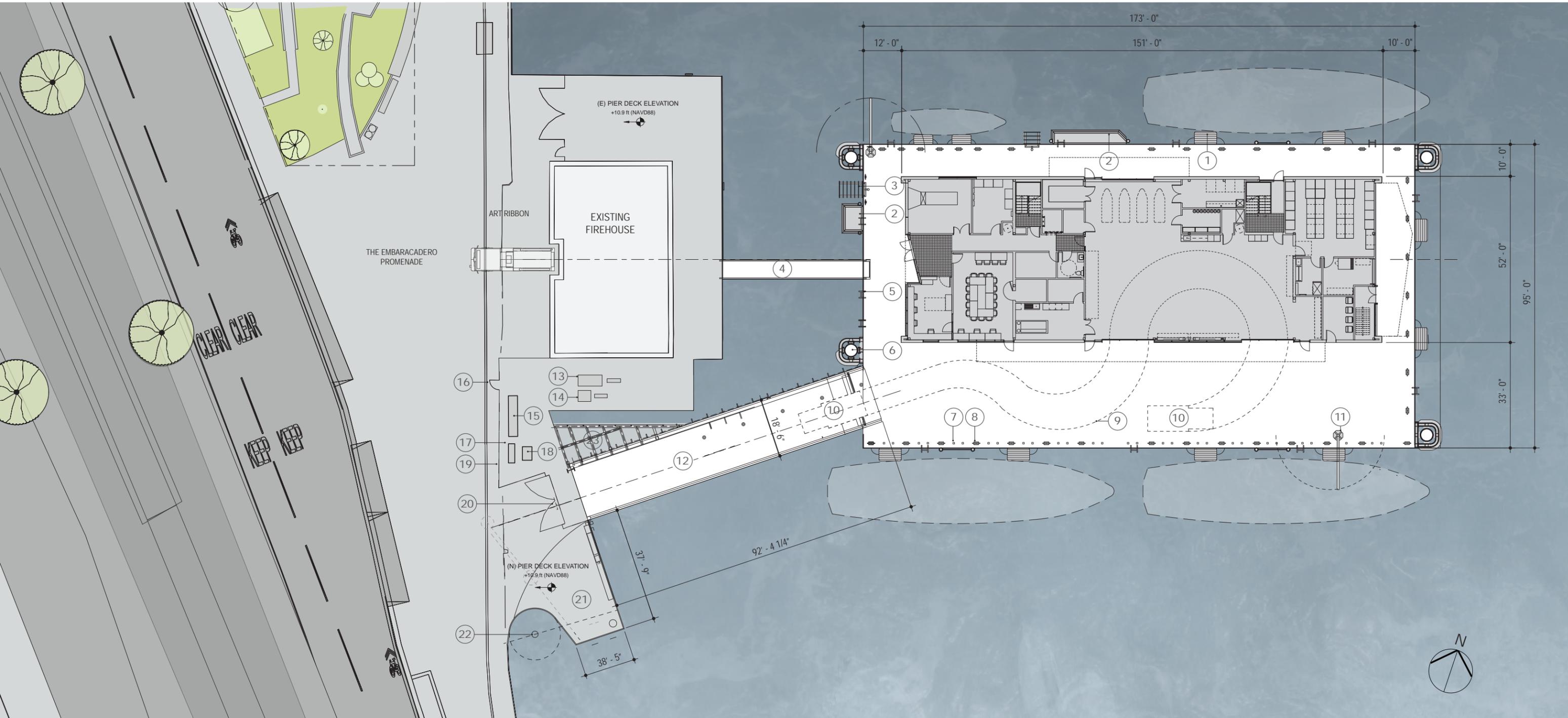
VIEW E (BEFORE)



VIEW E (AFTER)



SITE PLAN



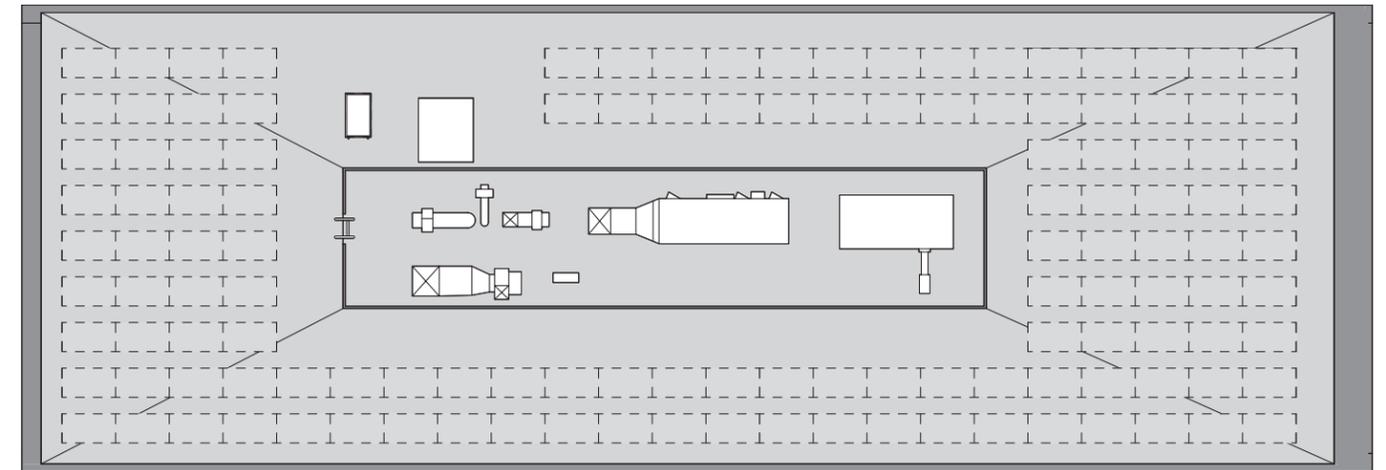
KEY NOTES

- | | | | | |
|--------------------------------------|--|-------------------------|---------------------------------------|-------------------------------|
| 1. FENDER | 6. 48" DIAMETER PILE | 10. AMBULANCE | 15. (E) AWSS MANIFOLD TO REMAIN | 19. FENCE |
| 2. LOWER PLATFORM FOR JET SKI ACCESS | 7. CLEAT | 11. CRANE | 16. GATE | 20. GATE |
| 3. JET SKI LIFT | 8. LED EDGE LIGHT | 12. ACCESS RAMP | 17. ELECTRICAL SERVICE SWITCHBOARD | 21. OVERLOOK |
| 4. ALUMINUM GANGWAY | 9. PATH OF AMBULANCE BASED ON AUTO-TURN ANALYSIS | 13. POTABLE WATER METER | 18. GAS METER MOUNTED ON CONCRETE PAD | 22. SEA LEVEL EXHIBIT MARGER |
| 5. ACCESS LADDER | | 14. FIRE WATER METER | | 23. FIRE HOSE GRATED PLATFORM |

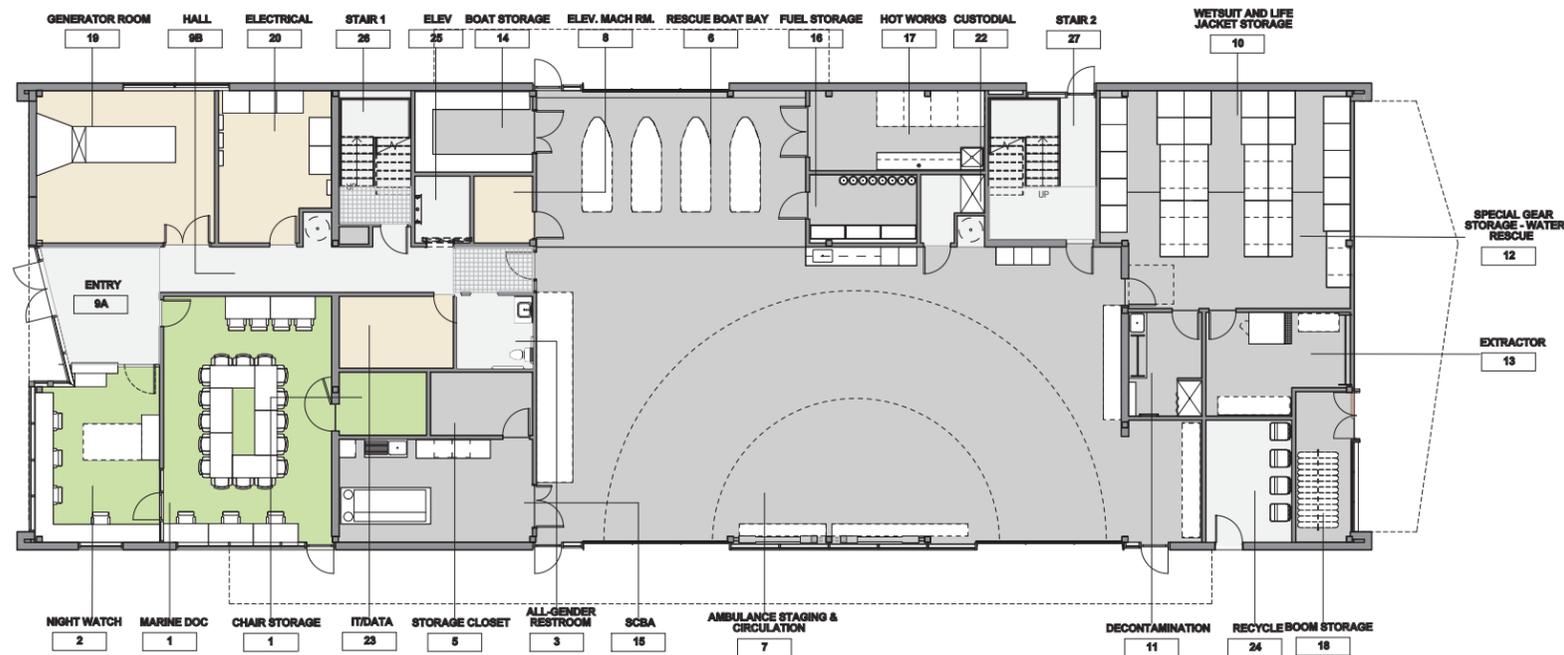
FLOOR PLANS



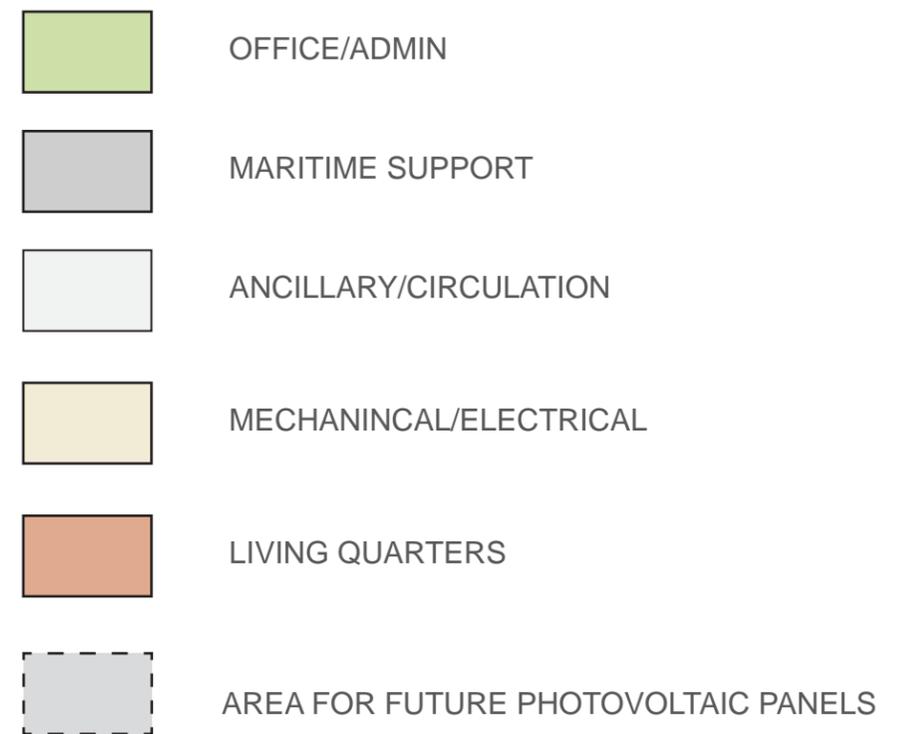
LEVEL 2 PLAN



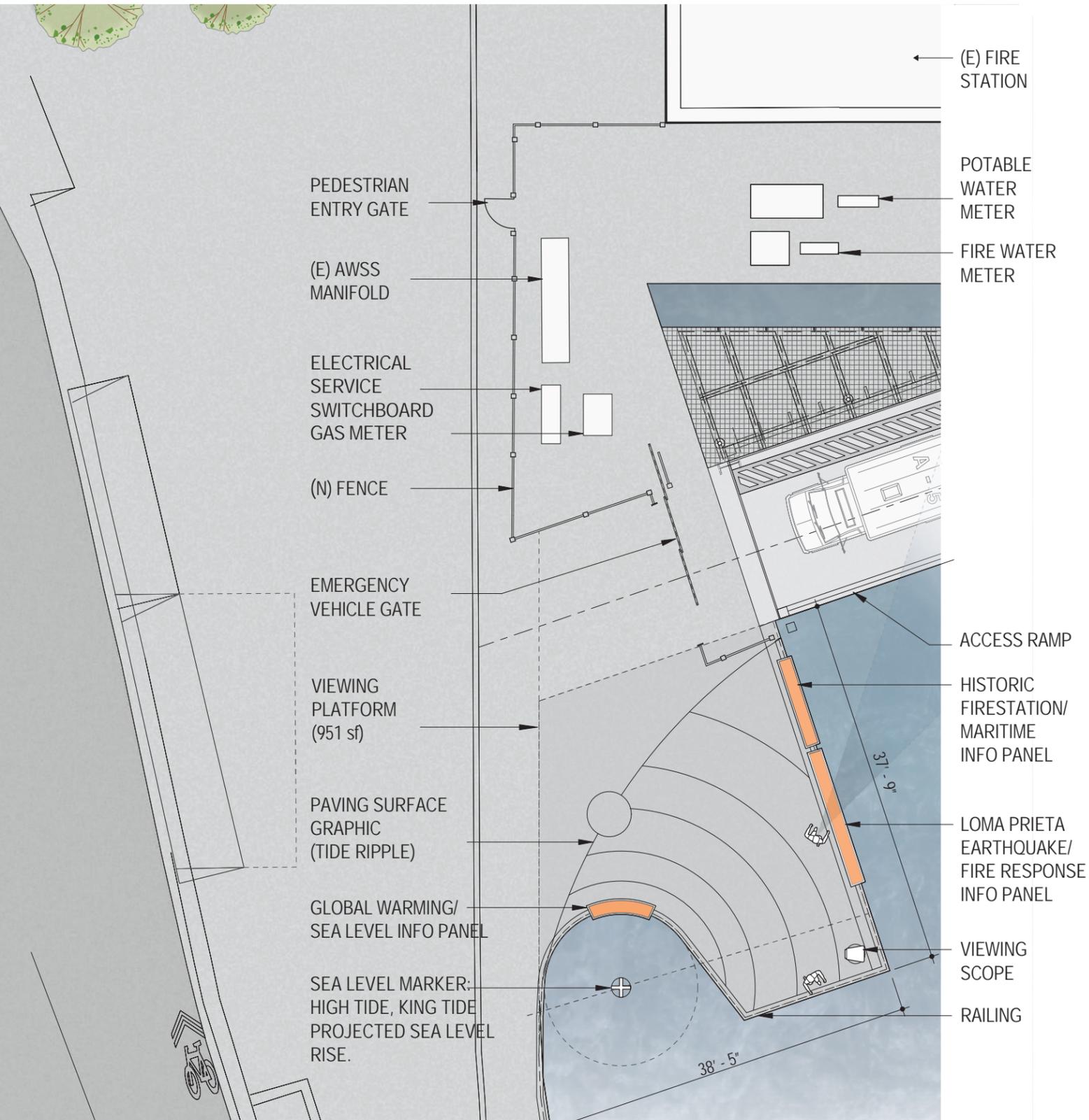
ROOF PLAN



LEVEL 1 PLAN



ENLARGED SITE PLAN AND OVERLOOK



ENLARGED SITE PLAN AND OVERLOOK

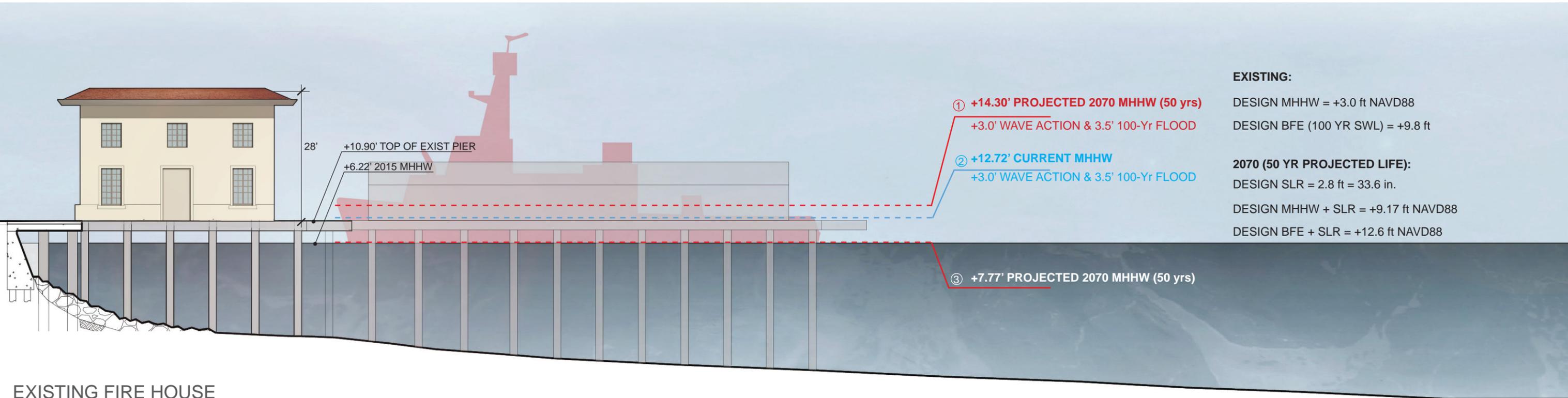


SWINERTON-POWER
a joint venture

SHAH KAWASAKI ■ ARCHITECTS



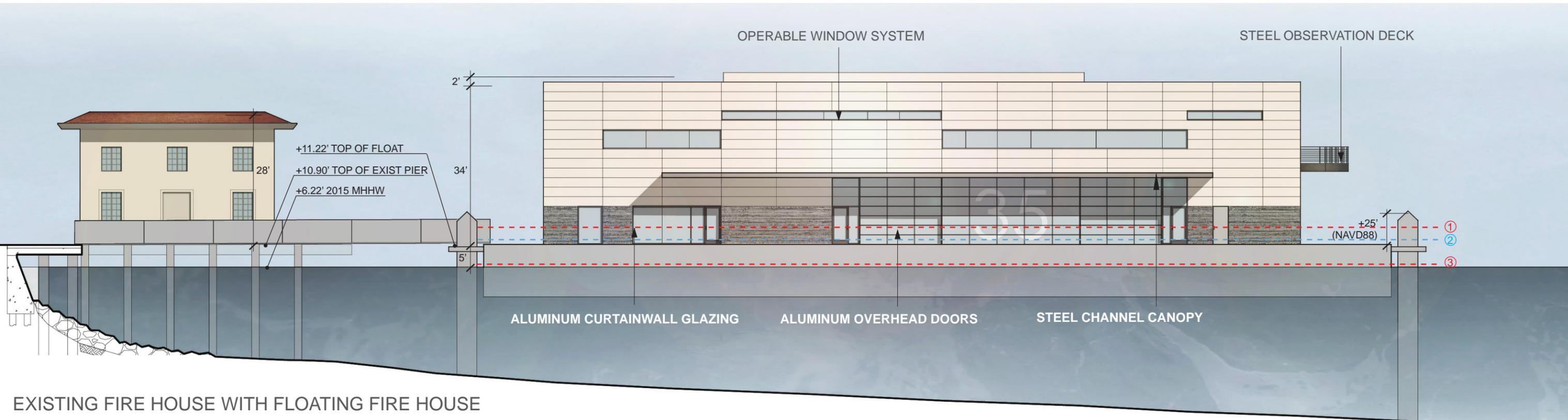
SEA LEVEL RISE



EXISTING:
 DESIGN MHHW = +3.0 ft NAVD88
 DESIGN BFE (100 YR SWL) = +9.8 ft

2070 (50 YR PROJECTED LIFE):
 DESIGN SLR = 2.8 ft = 33.6 in.
 DESIGN MHHW + SLR = +9.17 ft NAVD88
 DESIGN BFE + SLR = +12.6 ft NAVD88

EXISTING FIRE HOUSE



EXISTING FIRE HOUSE WITH FLOATING FIRE HOUSE

SEA LEVEL RISE



EXISTING FIRE HOUSE WITH PUBLIC OVERLOOK

Notes:

1. Current tidal datum information collected from National Geodetic Survey data for Tidal Station ID 9414317, PID# HT0759, VM# 8094.
2. Projected Mean Higher High Water (MHHW) levels collected for the 2014 City and County of San Francisco Sea Level Rise Committee Report, Guidance for Incorporating Sea Level Rise into Capital Planning in San Francisco: Assessing Vulnerability and Risk to Support adaptation, as taken from the 2012 National Research Council Report, Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future.
3. Tidal data above does not include consideration for El Niño events, storm surge, storm waves, and wave run-up which all affect the local water level in addition to sea level rise.

WATER AND EMBARCADERO PERSPECTIVES

