FIRE STATION 35
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
JUNE 11, 2018
SFFD - CURRENT & FUTURE STAFFING

- **Fireboat Station No. 35 Current Staffing**
  - 21 total members are assigned to Fire Station No. 35; 7 members on shift at any given time -- 3 shifts
  - Engine Company No. 35: (1) officer, (2) firefighters, and (1) medic
  - Fireboat: (1) officer, (1) pilot, and (1) marine engineer

- **Future Staffing**
  - Dedicated Marine Unit of 3 additional members trained in responding to marine emergencies
  - Officers: 3 shifts x 4 (2 officers + 1 pilot + 1 engineer) = 12 beds
  - 3 shifts x 3 firefighters + 3 unassigned/vac.relief + 1 swing = 13 beds
  - 3 shifts x 3 dedicated marine unit firefighters + 1 swing = 10 beds
  - Members = 35 total beds - 12 officers = 23 beds in dormitory
EXISTING USE
- Operates as working fire station housing Engine Company No. 35 (4 daily staff) and Fireboat Company No. 1 (3 daily staff)

DEFICIENCIES (Code, Safety, and Operational Requirements)
- The fireboats need regular and ongoing maintenance including welding and other metal work -- this is currently done in the existing wood framed shed structure on the north finger pier; welding is hazardous in pier shed structure
- Fire station and pier structure have not been seismically retrofitted
- No ambulance access to back of fire station for transfer of injured
- No waste oil tank for service truck access -- currently stored in 55 gallon drums
- No decontamination space for firefighters and equipment
- No drying or storage space for wetsuits and life jackets (must be separate from turn-out drying room)
- No cranes to raise / lower small rescue watercraft into water
- No reasonable means to lift heavy equipment to/from fireboats -- maintenance or firefighting equipment
- Limited access to 2nd floor doesn’t meet current code requirements
- No changing facilities, no accessible public restroom, no decontamination area, and no storage area for dive equipment

EXISTING FLOOR PLANS

EXISTING 1ST FLOOR PLAN

EXISTING 2ND FLOOR PLAN
BAY SHADOW AND FILL

BAY FILL VOLUME

AREA REMOVED

GROSS VOL. REMOVED: 1382 CF

AREA ADDED

GROSS VOL. ADDED: 82000 CF

NET VOL. ADDED: 80618 CF

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EMBARCADERO PERSPECTIVE

(PRESENTATION #1 DATED 2/26/2018)

AS PROPOSED
BUILDING MATERIALS/OPERATIONS

1. INSULATED METAL PANEL
   CORRUGATED DS60
   SILVER/MARINE FINISH

2. BAGUETTE SCREEN
   DARK GREY

3. ALUMINUM AIRFOIL
   LOUVERS
   DARK GREY

FIRE STATION 35 AT PIER 22 ½
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
MONDAY, JUNE 11, 2018
WATER PERSPECTIVE

(PRESENTATION #1 DATED 2/26/2018)

AS PROPOSED
LEVEL 1 PLAN
PRESENTATION #1 DATED
2/26/2018
7852 sf (gross)

LEVEL 1 PLAN
PROPOSED
7245 sf (gross)

FLOOR PLANS
LEVEL 2 PLAN PRESENTATION #1 DATED 2/26/2018
7852 sf (gross)

LEVEL 2 PLAN PROPOSED
7245 sf (gross)
ELEVATIONS (SOUTH ELEVATION)

PRESENTATION DATED 2/26/2018

AS PROPOSED

EXISTING FIRE STATION WITH FUTURE COLOR "ANTIQUE WHITE" BY PORT OF SF

OPERABLE WINDOW SYSTEM
ALUMINUM CURTAINWALL GLAZING
ALUMINUM OVERHEAD DOORS
STEEL CHANNEL CANOPY
STEEL OBSERVATION DECK

INSULATED METAL PANEL CORRUGATED DS60 SILVER/MARINE FINISH

FIGURE 6.2

EXISTING FIRE STATION WITH FUTURE COLOR "ANTIQUE WHITE" BY PORT OF SF

OPERABLE WINDOW SYSTEM
STEEL PLATE WARM GREY
STEEL CHANNEL CANOPY
ALUMINUM OVERHEAD DOORS
ALUMINUM CURTAIN WALL

METAL MARINE FLOOR

FIRE STATION 35 AT PIER 22 ½
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
MONDAY, JUNE 11, 2018

SHAH KAWASAKI • ARCHITECTS

SWINERTON-POWER • A JOINT VENTURE
ELEVATIONS (SOUTH ELEVATION)

AS PROPOSED

EXISTING FIRE STATION WITH FUTURE COLOR “ANTIQUE WHITE” BY PORT OF SF

2/26/2018 DESIGN

OPERABLE WINDOW SYSTEM

STEEL OBSERVATION DECK

ALUMINUM CURTAINWALL GLAZING

ALUMINUM OVERHEAD DOORS

STEEL CHANNEL CANOPY

EXISTING FIRE STATION WITH FUTURE COLOR "ANTIQUE WHITE" BY PORT OF SF

METAL MARINE FLOOR

STEEL PLATE WARM GREY

STEEL CHANNEL CANOPY

ALUMINUM OVERHEAD DOORS

ALUMINUM CURTAIN WALL

INSULATED METAL PANEL CORRUGATED DS60 SILVER/MARINE FINISH
ELEVATIONS (NORTH ELEVATION)

PRESENTATION DATED 4/5/2018

AS PROPOSED

EXISTING FIRE STATION WITH FUTURE COLOR "ANTIQUE WHITE" BY PORT OF SF

FIGURE 6.2

FIRE STATION 35 AT PIER 22 ½
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
MONDAY, JUNE 11, 2018

SWINERTON-POWER • A JOINT VENTURE

SHAH KAWASAKI • ARCHITECTS

PUBLIC WORKS

OPERABLE WINDOW SYSTEM

BOARD FORMED CONCRETE
WARM GREY

ALUMINUM OVERHEAD DOORS

ARCHITECTURAL LOUVERS

OPERABLE WINDOW SYSTEM

INSULATED METAL PANEL MARINE FINISH COMPATIBLE WITH ANTIQUE WHITE

CORRUGATED DS60 SILVER/MARINE FINISH

EXISTING FIRE STATION WITH FUTURE COLOR "ANTIQUE WHITE" BY PORT OF SF

STEEL PLATE WARM GREY

STEEL CHANNEL CANOPY

ALUMINUM OVERHEAD DOORS

ALUMINUM CURTAIN WALL

ALUMINUM OVERHEAD DOORS

ALUMINUM CURTAIN WALL

STEEL OBSERVATION DECK

METAL MARINE FLOOR
FIGURE 6.2
ELEVATIONS (NORTH ELEVATION)

2/26/2018 DESIGN

BOARD FORMED CONCRETE
WARM GREY

ALUMINUM OVERHEAD DOORS

ARCHITECTURAL LOUVERS

OPERABLE WINDOW SYSTEM

INSULATED METAL PANEL
MARINE FINISH
COMPATIBLE WITH
ANTIQUE WHITE

EXISTING FIRE STATION WITH FUTURE
COLOR "ANTIQUE WHITE" BY PORT OF SF

2'-4"
31'-8"

AS PROPOSED

STEEL OBSERVATION DECK

OPERABLE WINDOW SYSTEM

INSULATED METAL PANEL
CORRUGATED DS60
SILVER/MARINE FINISH

STEEL PLATE
WARM GREY

STEEL CHANNEL
CANOPY

ALUMINUM
OVERHEAD
DOORS

ALUMINUM CURTAIN WALL

METAL MARINE
FLOOR

FIRE STATION 35 AT PIER 22 ½
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
MONDAY, JUNE 11, 2018

SHAH KAWASAKI • ARCHITECTS
Swinerton-Power • a joint venture
Liftech
Public Works
Port

ELEVATIONS (WEST AND EAST ELEVATIONS)

BEFORE

- Baguette Screen Terra Cotta
- Aluminum Plate
- Aluminum Curtain Wall
- Steel Plate Warm Grey
- Metal Marine Floor

AS PROPOSED

- Aluminum Airfoil Louvers Dark Grey
- Aluminum Plate
- Baguette Screen Terra Cotta
- Aluminum Plate
- Metal Marine Floor

WEST ELEVATION

- Baguette Screen Dark Grey
- Aluminum Curtain Wall
- Steel Plate Warm Grey
- Metal Marine Floor

EAST ELEVATION

- Baguette Screen Dark Grey
- Aluminum Curtain Wall
- Steel Plate Warm Grey
- Metal Marine Floor

FIGURE 6.3
EMBARCADERO PIER OVERLOOK PERSPECTIVE

PRESENTATION #1 DATED
2/26/2018

PROPOSED
SOUTH PLATFORM PERSPECTIVE
GUARDRAIL DETAIL

1" DIA PTD GALV MTL PIN, TYP
LED LIGHT FIXTURE
PTD GALV 2" SQUARE STEEL TUBE
2" x 1/4" THICK PTD GALV
(4) STAINLESS STEEL BOLTS
PTD GALV MTL ANGLE
PTD GALV HSS STRUCTURAL ASSEMBLY
PIER

10"
2" 3 - 9"
3 - 6"
3"
2 - 10"
3"
5"

LED LIGHT FIXTURE
INDICATES TOP OF GUARDRAIL ABOVE
2" DIA PTD GALV MTL PIN, TYP

IMAGES OF EXPLORATORIUM GUARDRAIL

FIRE STATION 35 AT PIER 22 1/2
BCDC DRB/PORT WDAC 2ND PRE-APPLICATION REVIEW
MONDAY, JUNE 11, 2018
KEY NOTES

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

NEW AREA OF PUBLIC ACCESS
PUBLIC ART/EDUCATION EXHIBITS
BCDC 100' SHORLINE BAND
ENLARGED PLAN OF PUBLIC ACCESS DESIGN

KEY NOTES

1. ACCESS RAMP
2. PUBLIC ACCESS GATE
3. (E) AWSS MANIFOLD TO REMAIN
4. ELECTRICAL SERVICE SWITCHBOARD WITH PUBLIC ACCESS INFORMATION BOARD
5. FENCE
6. FIRE HOSE GRATED PLATFORM
7. EMERGENCY VEHICLE ACCESS GATE
8. HISTORIC FIRESTATION/MARITIME INFO PANEL
9. LOMA PRIETA EARTHQUAKE/FIRE RESPONSE INFO PANEL
10. FUTURE PUBLIC ART (TO BE DETERMINED)
11. VIEWING SCOPE
12. RAILING
13. (E) FENCE (TO BE REMOVED)

NEW AREA OF PUBLIC ACCESS
PUBLIC ART/EDUCATION EXHIBITS
PHOTOMONTAGE

EMBARCADERO PROMENADE LOOKING SOUTH (EXISTING)

EMBARCADERO PROMENADE LOOKING SOUTH (AS PROPOSED)
PHOTOMONTAGE

RINCON PARK LOOKING SOUTH (EXISTING)

RINCON PARK LOOKING SOUTH (AS PROPOSED)
SEA LEVEL RISE

EXISTING FIRE HOUSE WITH FLOATING FIRE HOUSE

LEGEND

+16.6' NAVD88
PROJECTED DESIGN 2100 TWL (80 YRS)
9.8' BFE + 2.3' WAVE RUNUP & SETUP = 4.5' SLR

+14.9' NAVD88
PROJECTED DESIGN 2070 TWL (50 YRS)
9.8' BFE + 2.3' WAVE RUNUP & SETUP = 2.8' SLR

+12.1' NAVD88 CURRENT DESIGN TWL
9.8' BFE + 2.3' WAVE RUNUP & SETUP

+9.17' NAVD88 PROJECTED 2070 MHHW (50 YRS)
6.37' DESIGN MHHW + 2.8' SLR

EXISTING:
DESIGN MHHW = +6.37' NAVD88
DESIGN BFE (100 YR SWL) = +9.8' NAVD88

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

2070 (50 YR PROJECTED LIFE):
DESIGN SLR = 4.5' = 54''  
DESIGN MHHW + SLR = 10.9' NAVD88  
DESIGN BFE + SLR = 14.3' NAVD88

NOTE:
1. CURRENT TIDAL DATA BASED ON NOAA TIDAL STATION ID 9414750.
2. TIDAL DATA ABOVE DOES NOT INCLUDE CONSIDERATION FOR EI NINO EVENTS, STORM SURGE, STORM WAVES, AND WAVE RUN-UP WHICH ALL AFFECT THE LOCAL WATER LEVEL IN ADDITION TO SEA LEVEL RISE.

NOTE:

MHWW = MEAN HIGHER HIGH WATER  
NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988  
SLR = SEA LEVEL RISE  
SWL = STILL WATER LEVEL  
BFE = BASE FLOOD ELEVATION (100 YEAR SWL)  
TWL = TOTAL WATER LEVEL = 100 YEAR SWL + WAVE SETUP & RUNUP