

OFFICE HOURS #8

PIERS 30-32 & SEAWALL LOT 330

MARCH 9TH, 2022

STRADA

TRAMMELL
CROW
COMPANY

GRIMSHAW

JAMES
CORNER
FIELD
OPERATIONS



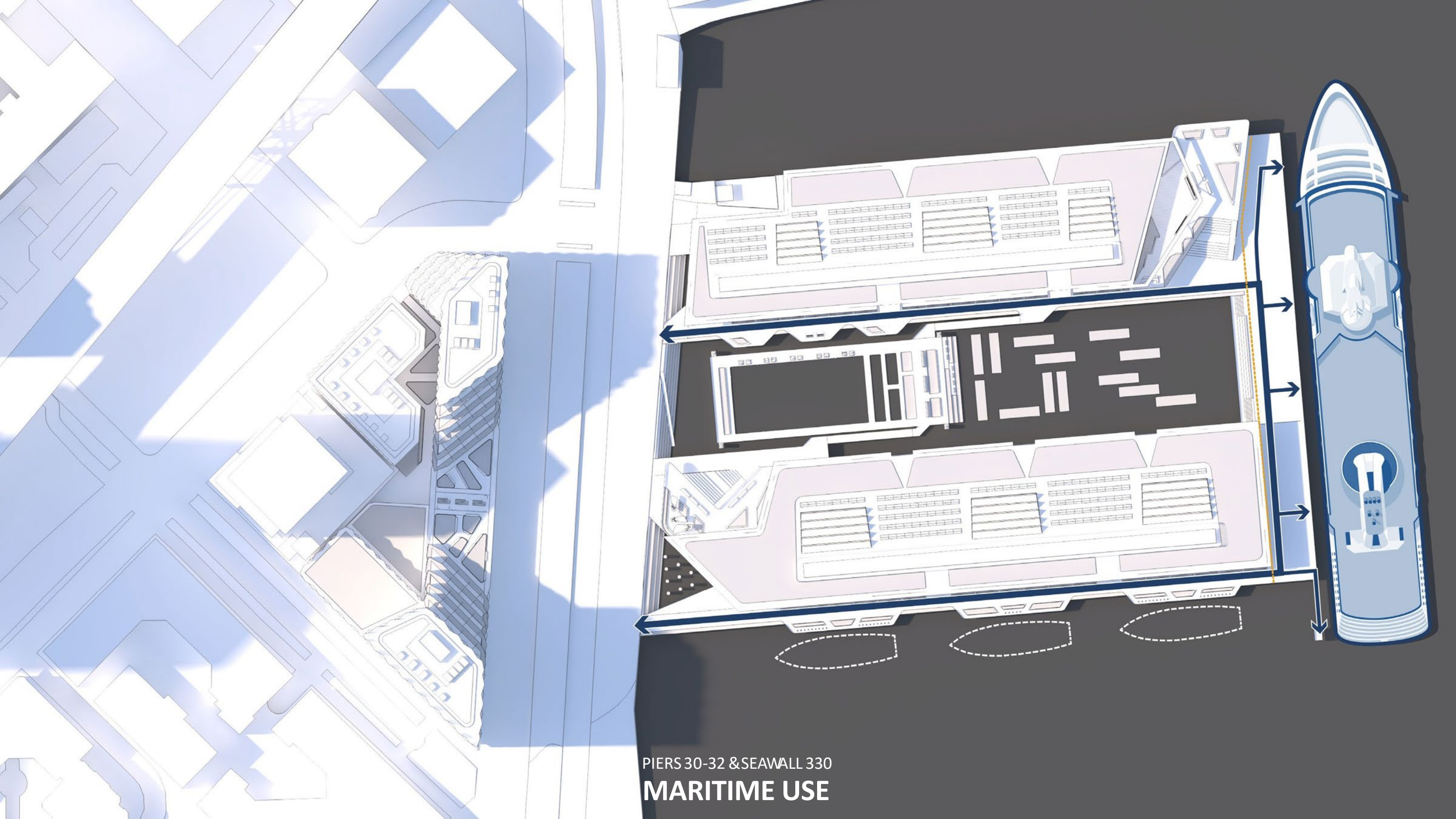
Meeting Agenda

1. Maritime and Resiliency Benefits
2. Near-Term Office Hours Meetings & Agenda Topics
3. General Project Questions & Answers

Meeting Agenda

- 1. Maritime and Resiliency Benefits**
- 2. Near-Term Office Hours Meetings & Agenda Topics**
- 3. General Project Questions & Answers**





PIERS 30-32 & SEAWALL 330
MARITIME USE

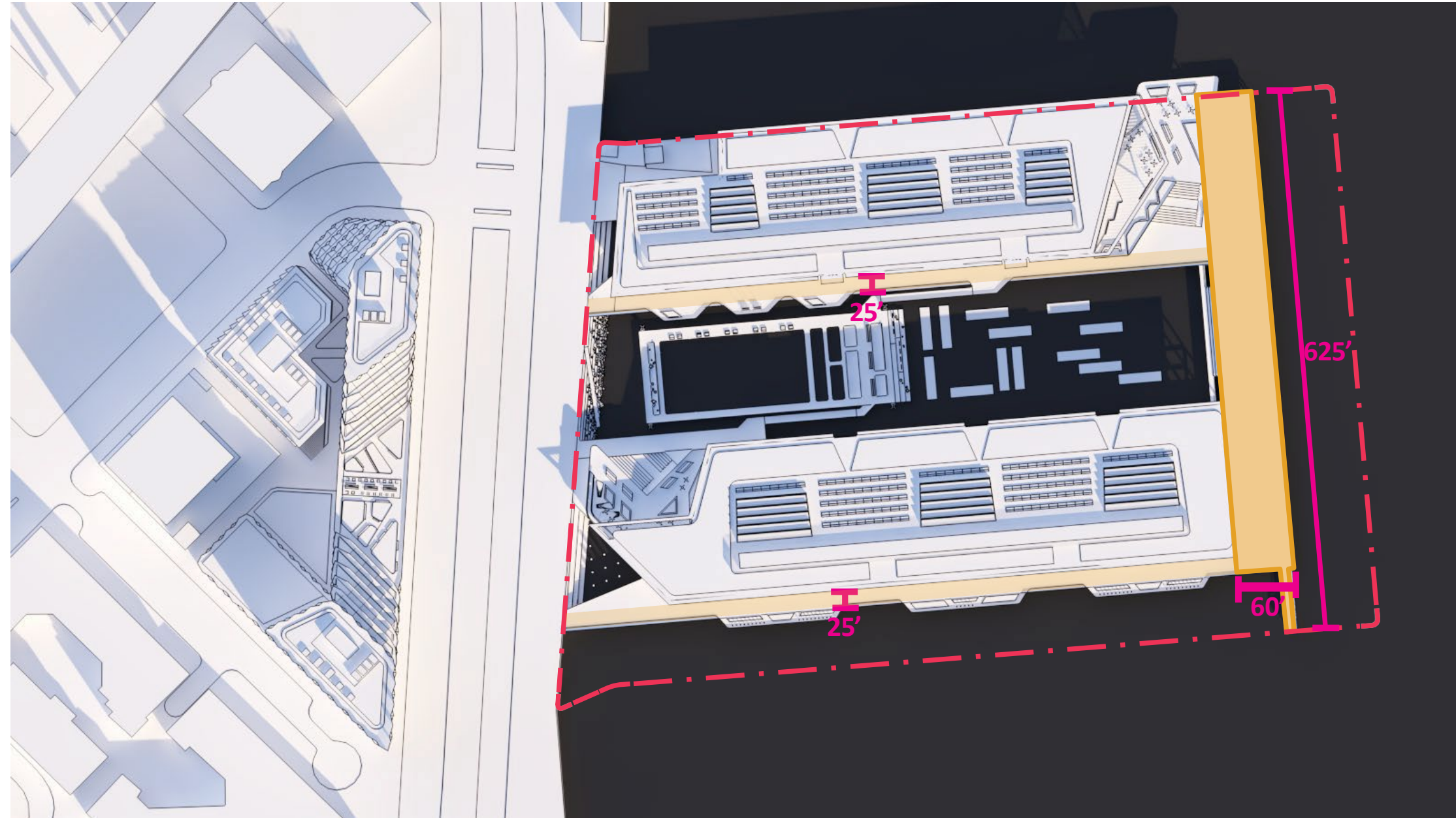


PIERS 30-32 & SEAWALL 330
MARITIME USE

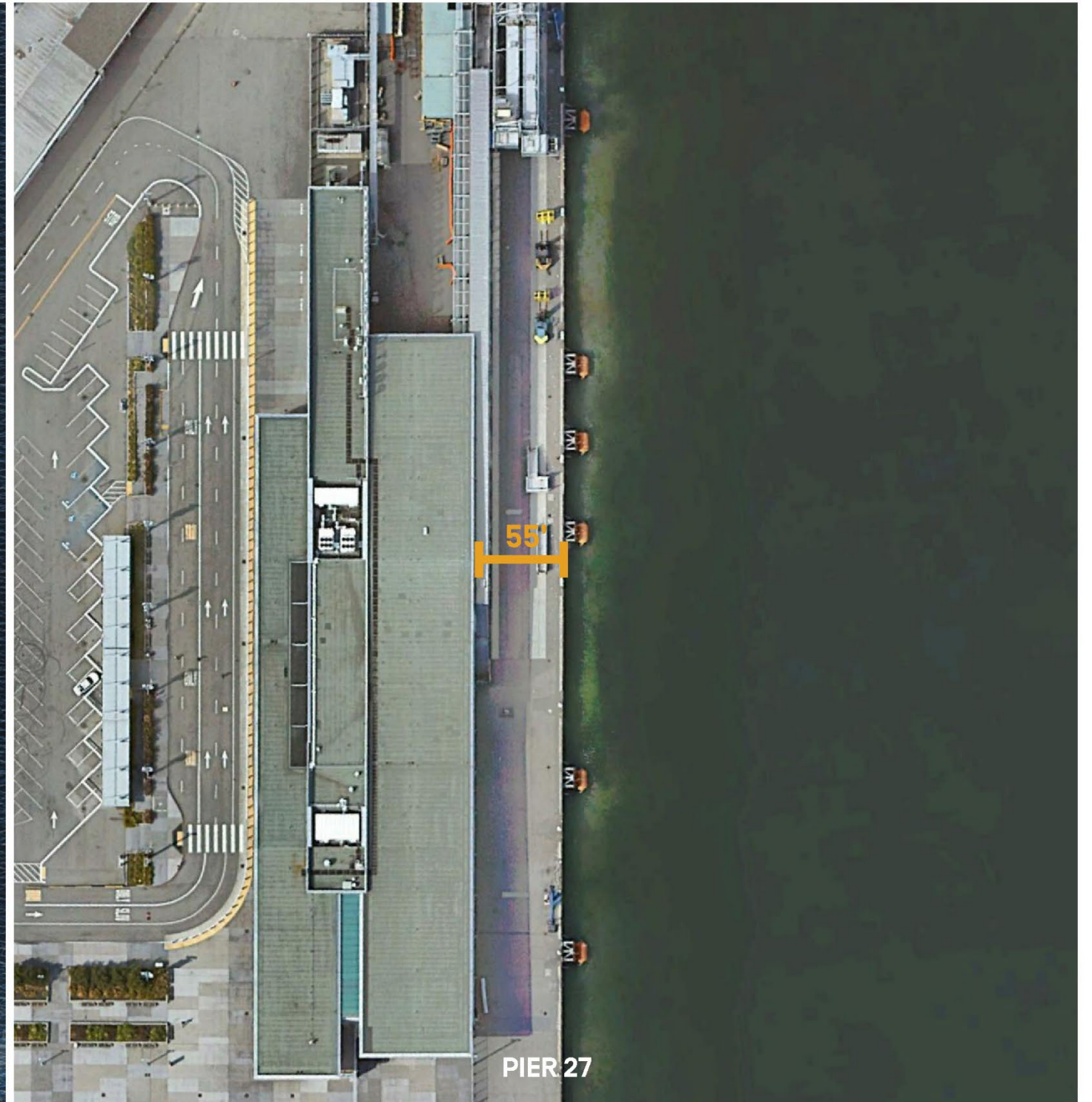
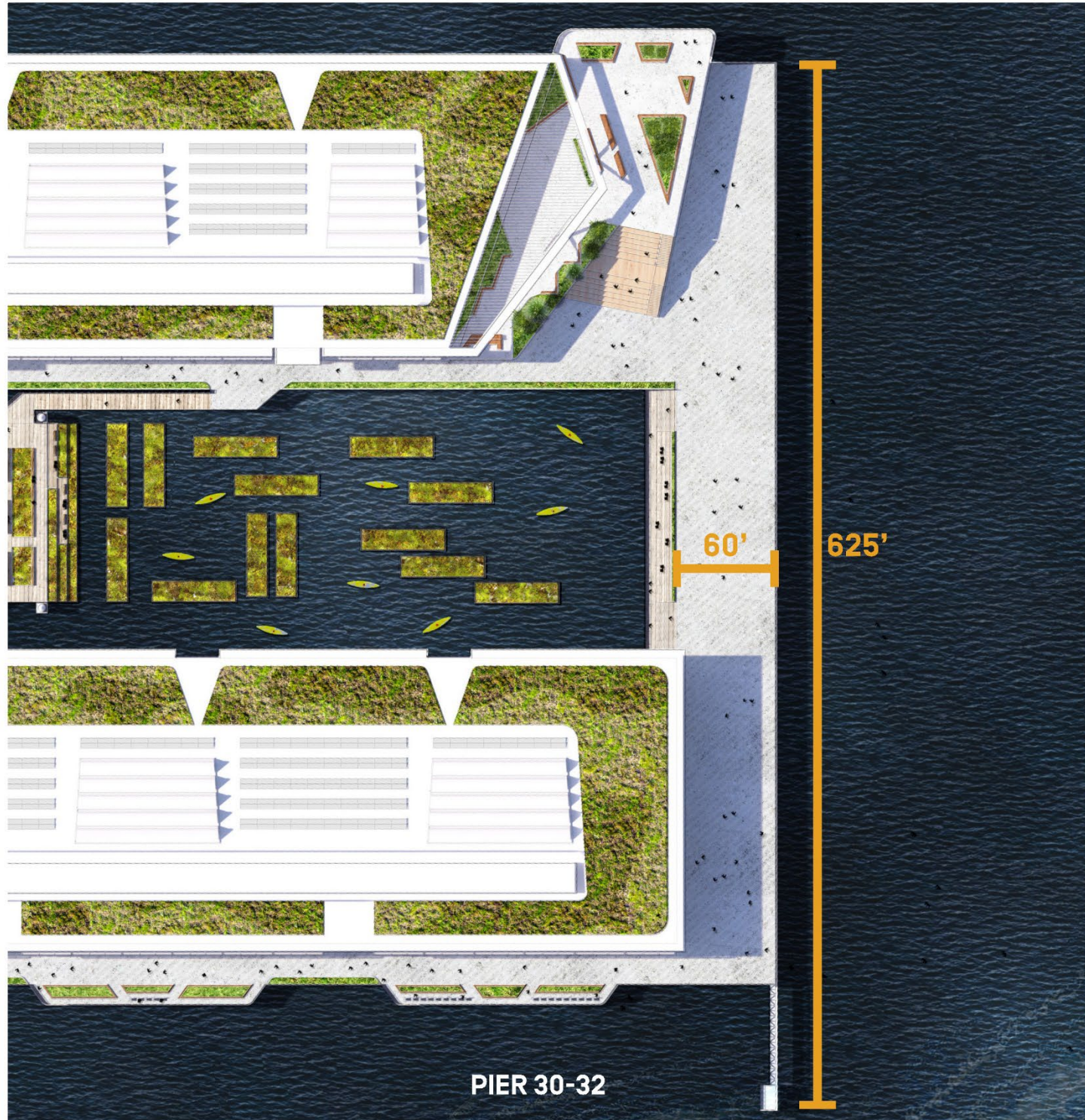


INERS 30-32 & SEAWALL 330
MARITIME USE

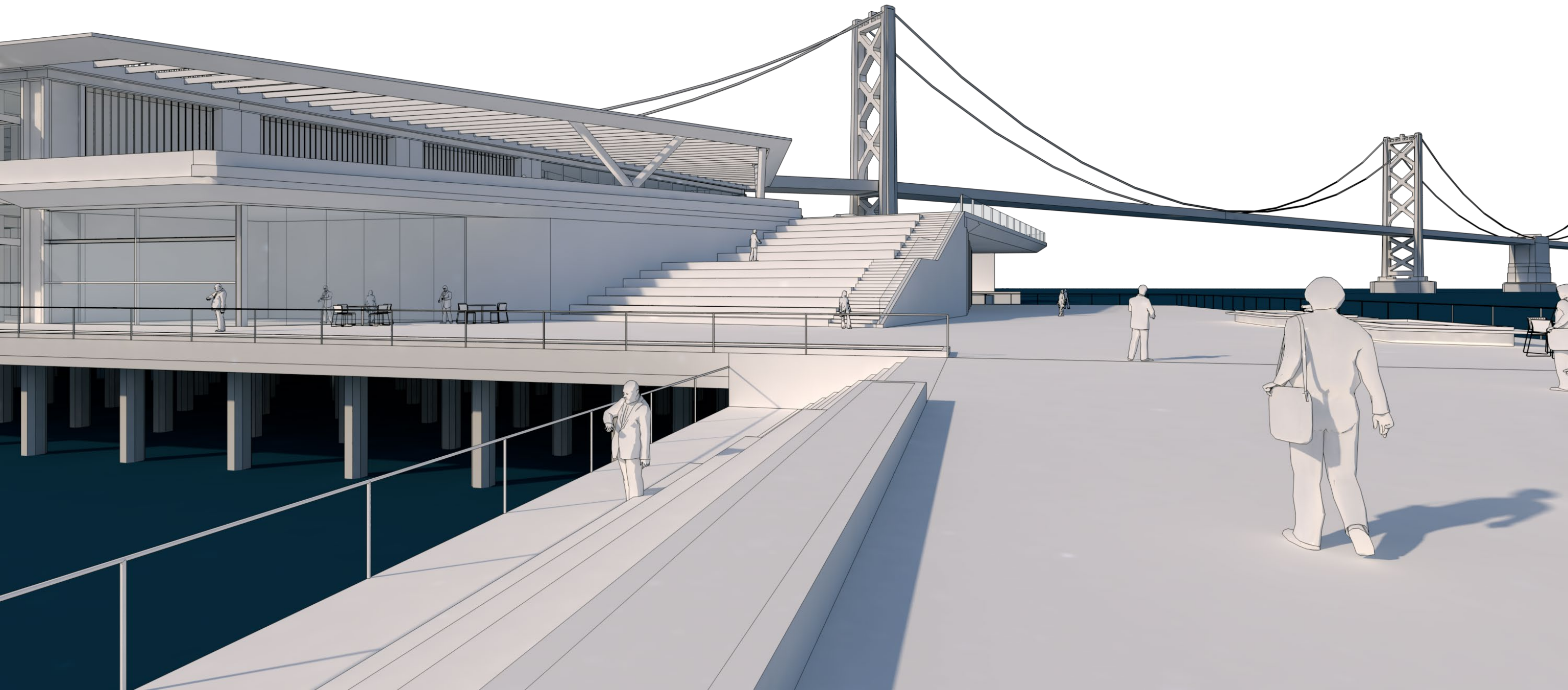
Deep Draft Berth
The main structure of the berth is highlighted with a single mooring dolphin located to the south.



PIERS 30-32 & SEAWALL 330
DESIGN FOR MARITIME USE



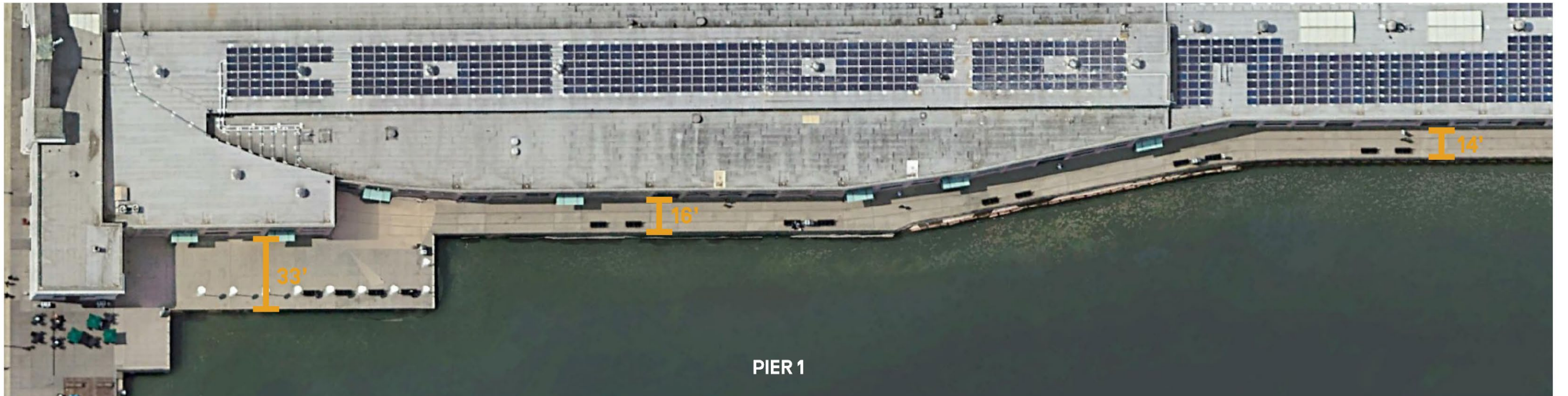
PIERS 30-32 & SEAWALL 330
DEEP WATER BERTH



PIERS 30-32 & SEAWALL 330
EAST BERTH

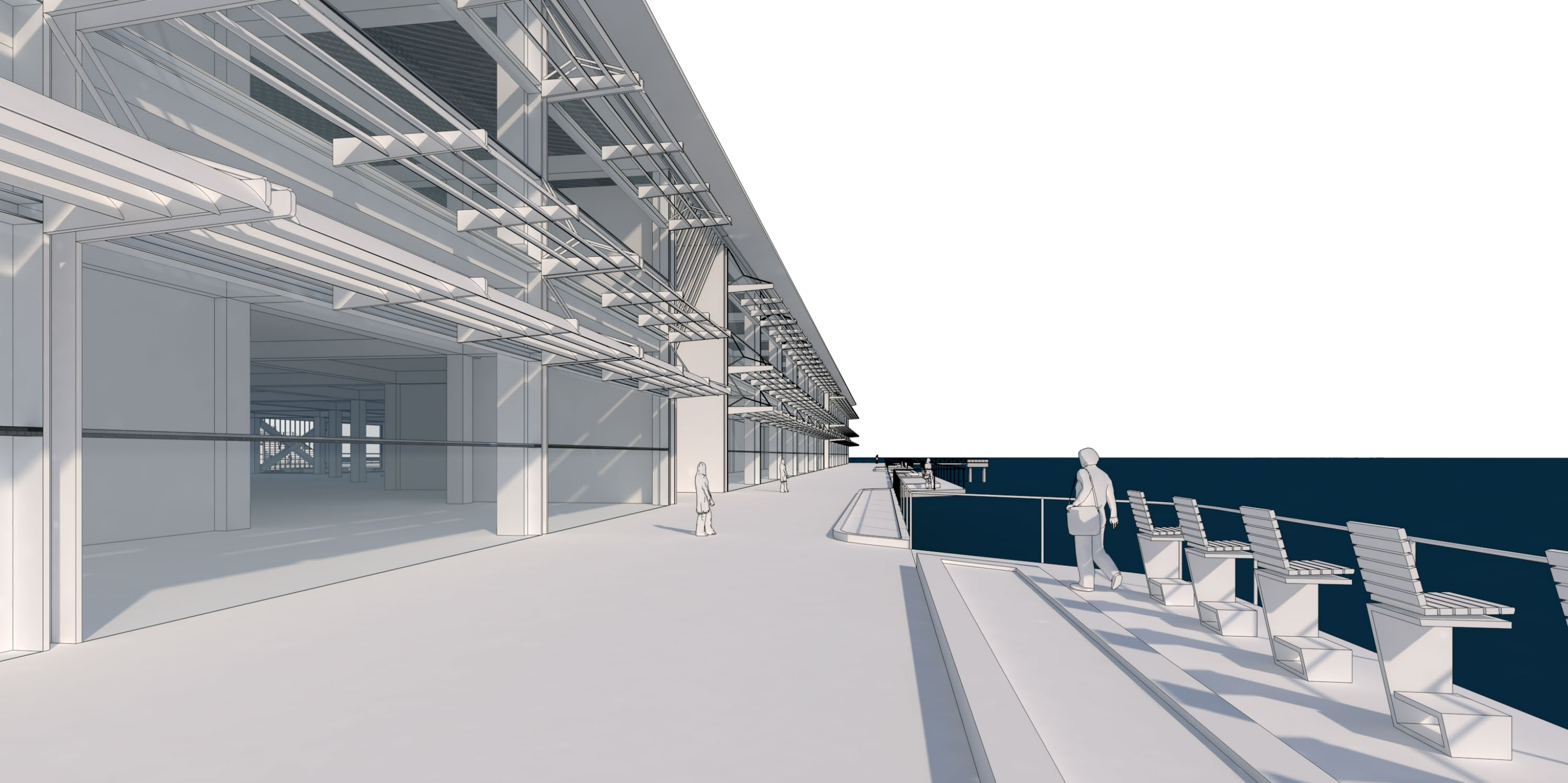


PIER 32 PROMENADE



PIER 1

PIERS 30-32 & SEAWALL 330
PIER 32 PROMENADE



PIERS 30-32 & SEAWALL 330
PIER 32 PROMENADE

Piers 30-32 Emergency Response Potential:

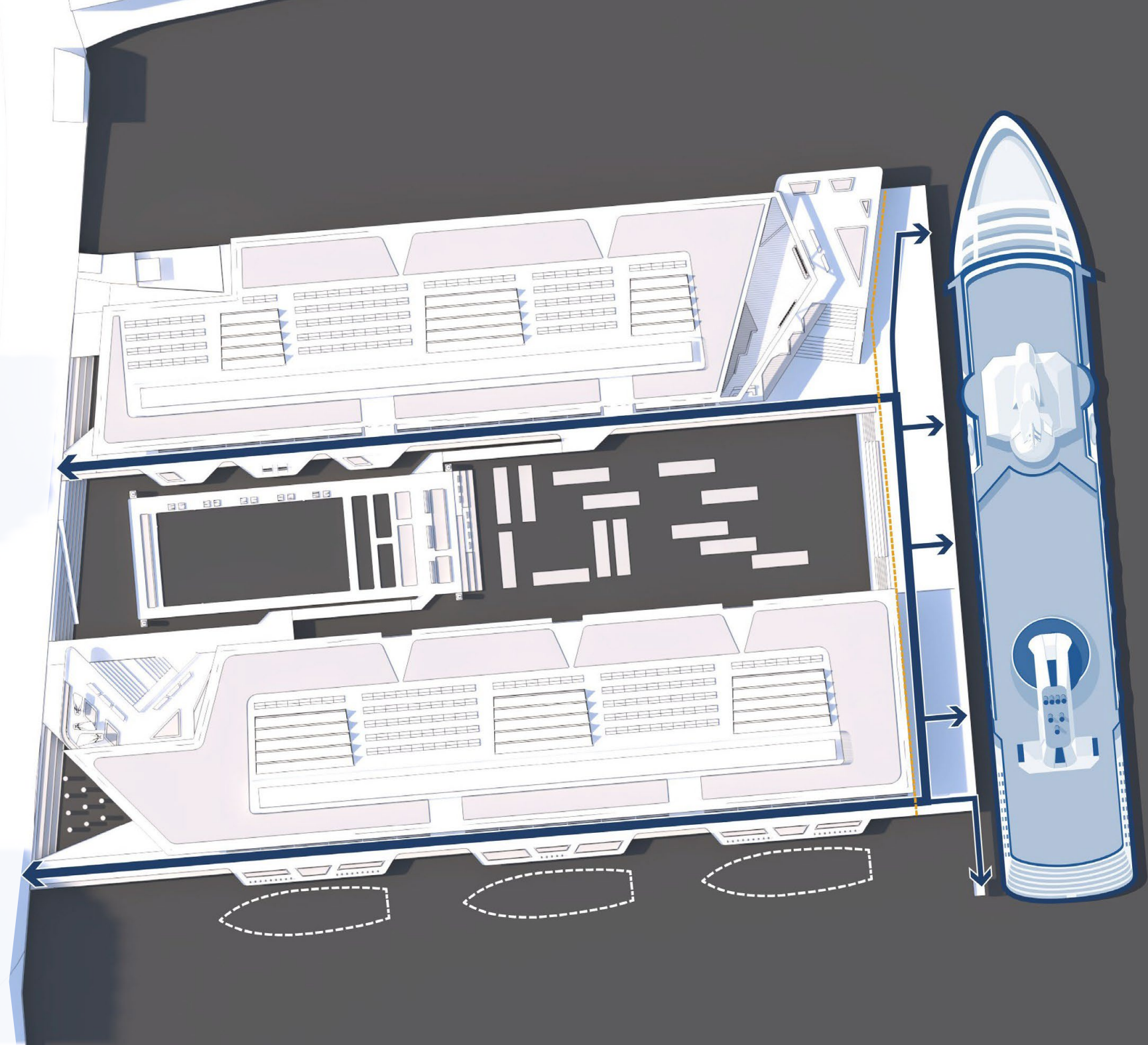
- 1 of 2 large (650'+) deep water berths with large vehicle access north of Mission Creek
 - FEMA, Coast Guard, US Navy, MARAD, WETA, Golden Gate Ferry, hospital ships need large deep-water berth
- Prime Location for Emergency Logistics Hub:
 - Emergency Supplies & Goods Delivery
 - Emergency Responders
 - Government Support Personnel
 - Medical Services
 - Housing for First Responders
 - Emergency Power (MARAD) and Connection to Nearby PG&E Substation

PIERS 30-32 & SEAWALL 330

EMERGENCY RESPONSE USE

Summary of East Berth Benefits:

- Paid for by project without reliance on Port Harbor Fund revenues
- Self-scouring deep-water berth avoids ongoing costs and negative environmental impacts associated with dredging
- Provides tertiary berth for Cruise Ships and reduces greenhouse emissions
- Provides berth for larger ceremonial ships and for Fleet Week
- Serves as key logistics hub for emergency response situations



PIERS 30-32 & SEAWALL 330

DEEP WATER BERTH

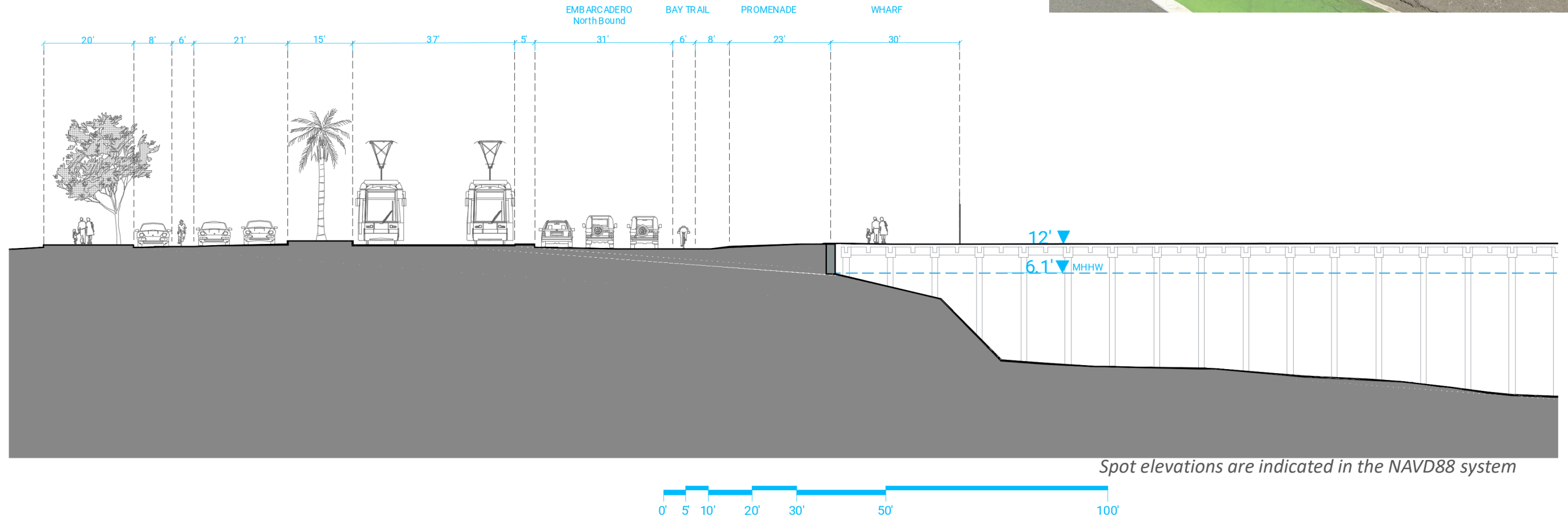
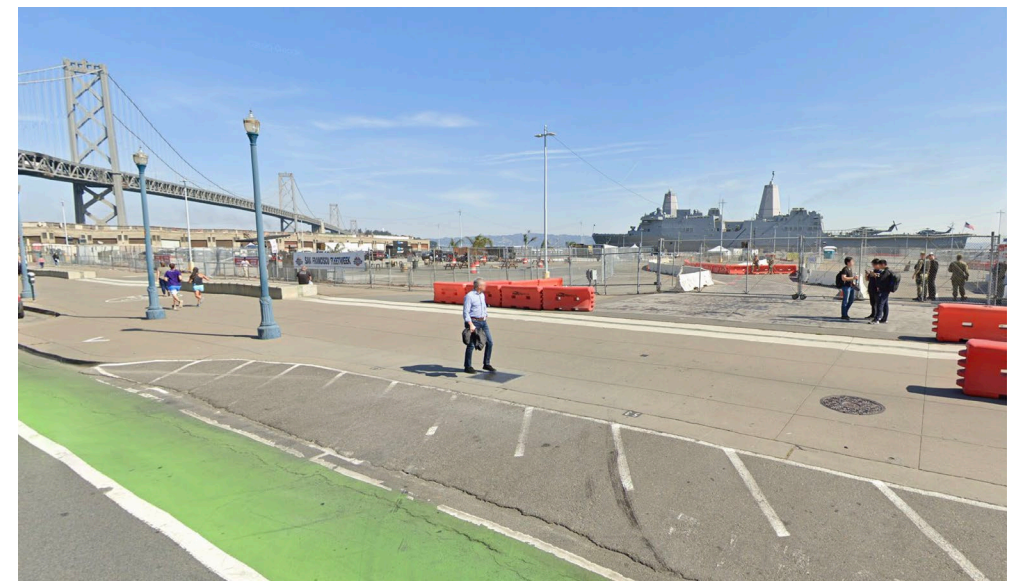


PIERS 30-32 & SEAWALL 330
CURRENT SEA LEVELS



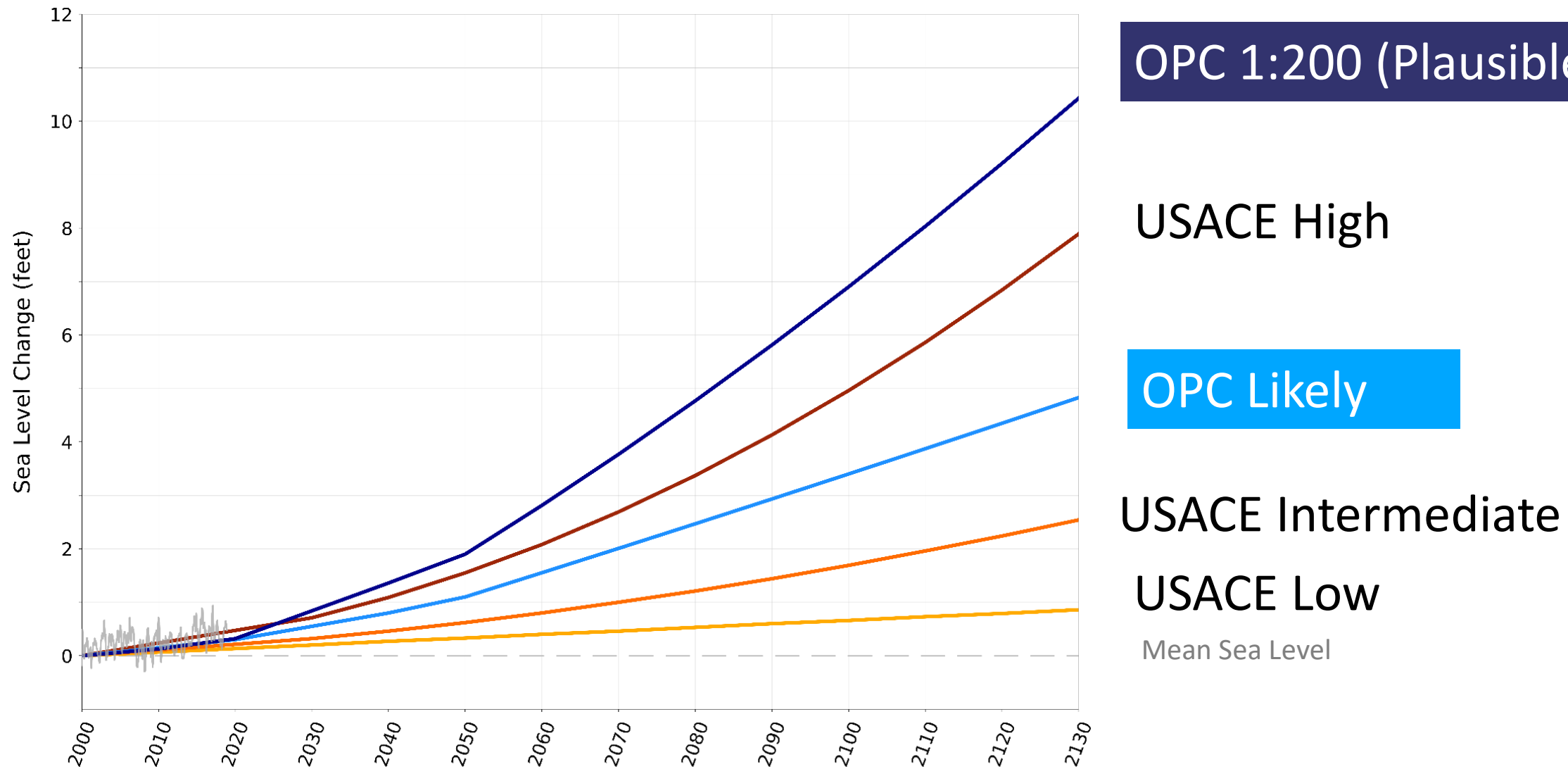
Abbreviations:
 LWE: Lowest Wall Elevation (from Shoreline Explorer)
 PE: Approximate Pier Elevation

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EXISTING SEAWALL AND PIER ELEVATIONS



PIERS 30-32 & SEAWALL 330
EXISTING PIER 30-32 SEAWALL AND PIER ELEVATION

USACE and California Ocean Protection Council Data



OPC 1:200 (Plausible, High Impact)

USACE High

OPC Likely

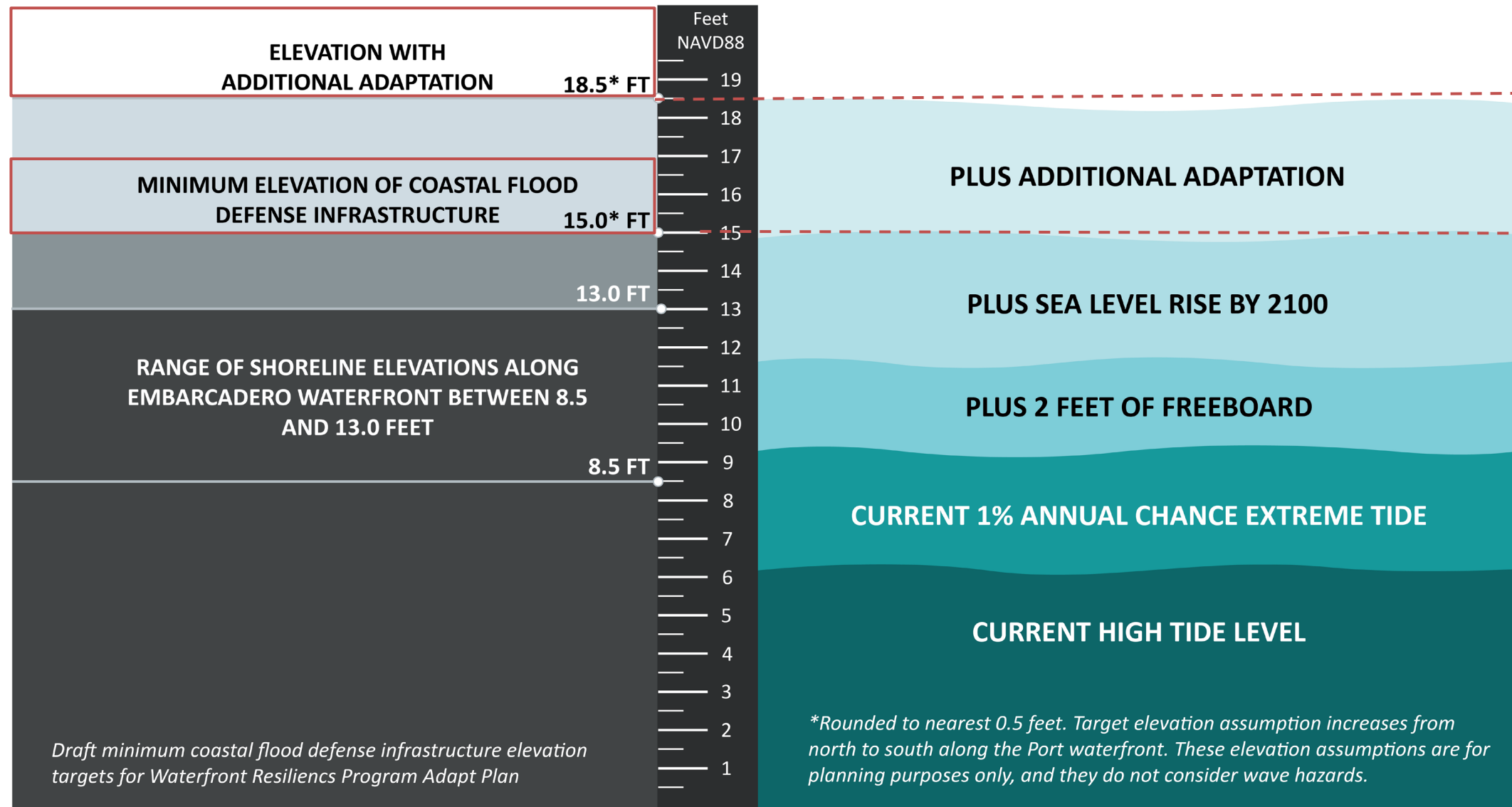
USACE Intermediate

USACE Low

Mean Sea Level

**Note: Plan to update G2CRM to use the new Federal Sea Level Rise Curves after tentative February 2022 release*

Range for Adaptation to Two Sea Level Rise Projections



Adapting the shoreline to 7' of SLR @ 2100

Adapting the shoreline to 3.5' of SLR @ 2100

Draft minimum coastal flood defense infrastructure elevation targets for Waterfront Resiliencs Program Adapt Plan

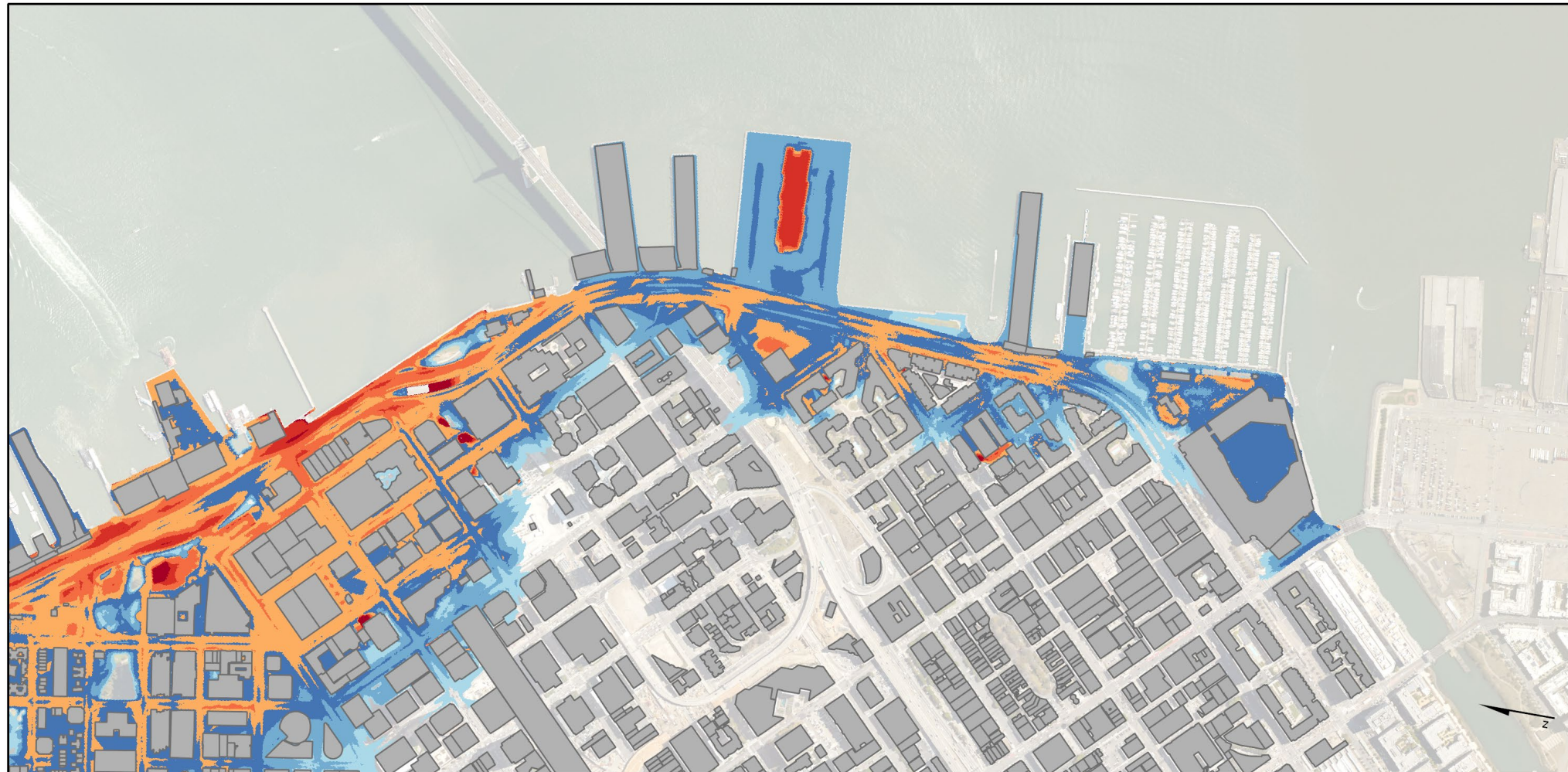
**Rounded to nearest 0.5 feet. Target elevation assumption increases from north to south along the Port waterfront. These elevation assumptions are for planning purposes only, and they do not consider wave hazards.*

SHORELINE ELEVATIONS

WATER ELEVATIONS

PIERS 30-32 & SEAWALL 330

SEA LEVEL RISE PROJECTIONS



■ Building Footprints

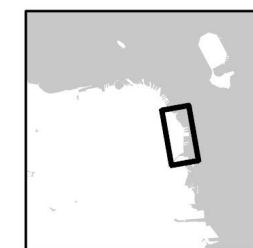
Flood Depth (ft)

- 0 to 1
- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5
- 5 to 6
- > 6

0 500 1,000
Feet

Notes:

- Due to scale of the study, flood on pier aprons can be hard to visualize. Please refer to the zoomed-in maps or to the digital version of the maps for increased level of detail.



14.2ft NAVD88 Stillwater Level



Basemap Source: Office for Coastal Management, 2018: 2015 NOAA Ortho-rectified Near-Infrared Mosaic of the ports of Oakland, Richmond and San Francisco, California, <https://inport.nmfs.noaa.gov/inport/item/48483>.

Seawall Program

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PIERS 30-32 & SEAWALL 330 EXISTING FLOOD RISK

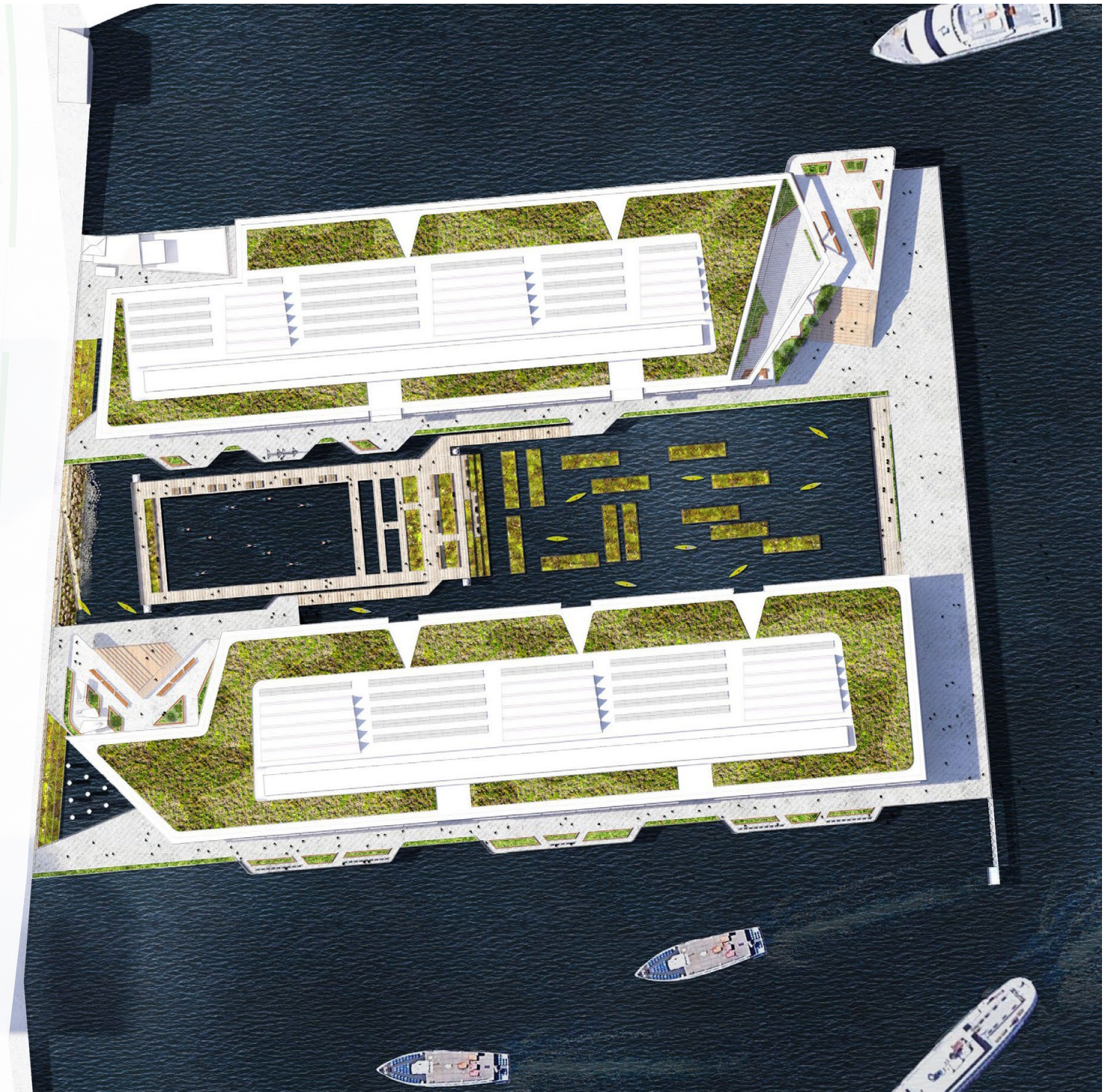
Summary of Benefits:

Maritime

- \$20MM project-funded retention/enhancement of self-scouring deep-water berth, large enough and with access to support cruise ships
- Key logistics hub for emergency response situations
- Excursion and water taxi berthing
- Water Recreation – pool and open water swimming, kayak/SUP launch, boating, fishing

Resilience

- \$80MM project-funded seawall strengthening
- Sea Level Rise adaption for Port and uplands City
- Sustainable building practices and operations



PIERS 30-32 & SEAWALL 330

MARITIME AND RESILIENCE BENEFITS

Meeting Agenda

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UPCOMING MEETINGS

Near-Term Office Hours Meetings & Agenda Topics

Office Hours are Wednesdays from 5:30-6:30pm

- March 9th: Maritime and Resiliency Benefits
- March 16th: NAC Meeting – agenda not related to this project
- TBD: Seawall 330 Design Update

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
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PROJECT DESIGN AND INFORMATION

NORTHERN ADVISORY COMMITTEE

OPEN DESIGN CHARRETTE #1:
VISION AND GOALS, PIERS 30-32 PUBLIC ACCESS AND PUBLIC REALM



WEEKLY OFFICE HOURS : SESSIONS 1-3
ECONOMIC FEASIBILITY / KAYAKING AND HUMAN POWERED WATERCRAFT



OPEN DESIGN CHARRETTE #2:
SEAWALL 330 LOT DEVELOPMENT



WEEKLY OFFICE HOURS : SESSIONS 4-10
MARITIME USE / SWIMMING / RETAIL / PIER CONSTRUCTION / BAY ECOLOGY / JOBS



OPEN DESIGN CHARRETTE #3:
RESILIENCE AND MARITIME OPERATIONS

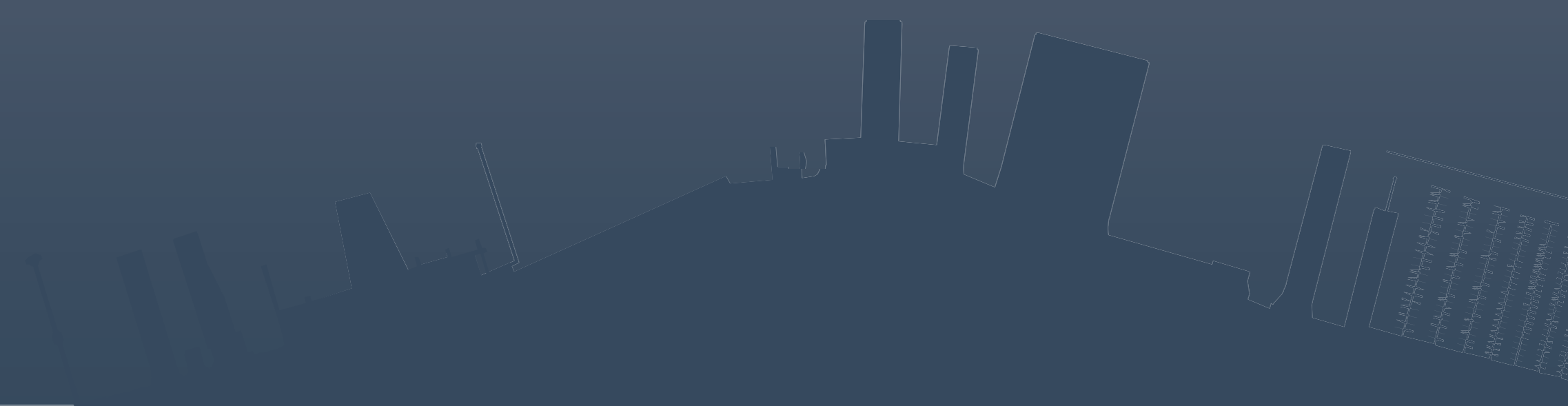


WEEKLY OFFICE HOURS : AS REQUIRED



Meeting Agenda

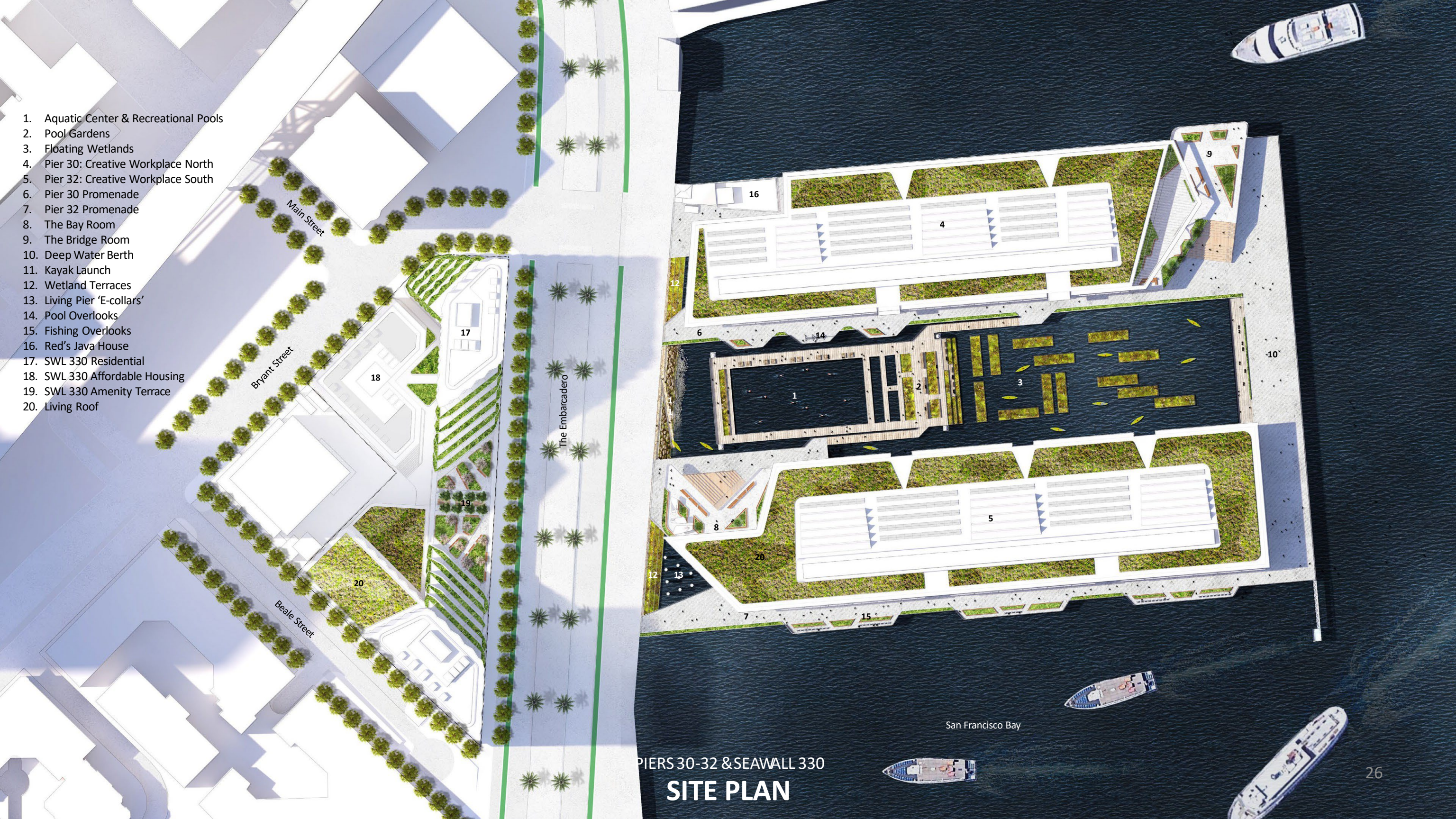
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PIERS 30-32 & SEAWALL 330
OUR VISION

1. Aquatic Center & Recreational Pools
2. Pool Gardens
3. Floating Wetlands
4. Pier 30: Creative Workplace North
5. Pier 32: Creative Workplace South
6. Pier 30 Promenade
7. Pier 32 Promenade
8. The Bay Room
9. The Bridge Room
10. Deep Water Berth
11. Kayak Launch
12. Wetland Terraces
13. Living Pier 'E-collars'
14. Pool Overlooks
15. Fishing Overlooks
16. Red's Java House
17. SWL 330 Residential
18. SWL 330 Affordable Housing
19. SWL 330 Amenity Terrace
20. Living Roof



PIERS 30-32 & SEAWALL 330
SITE PLAN

CONTACT

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