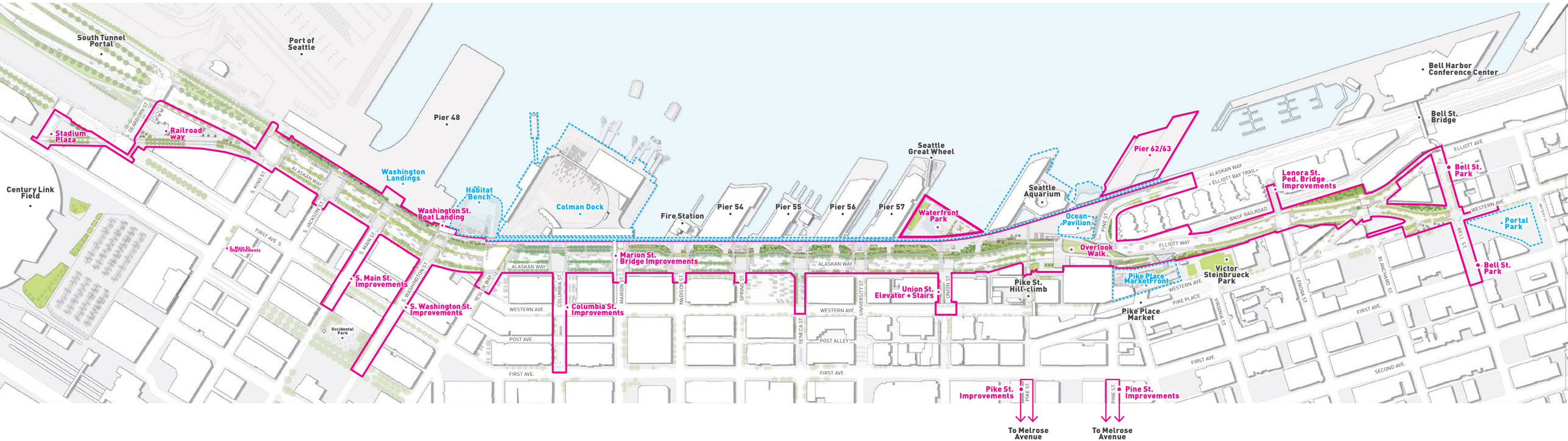
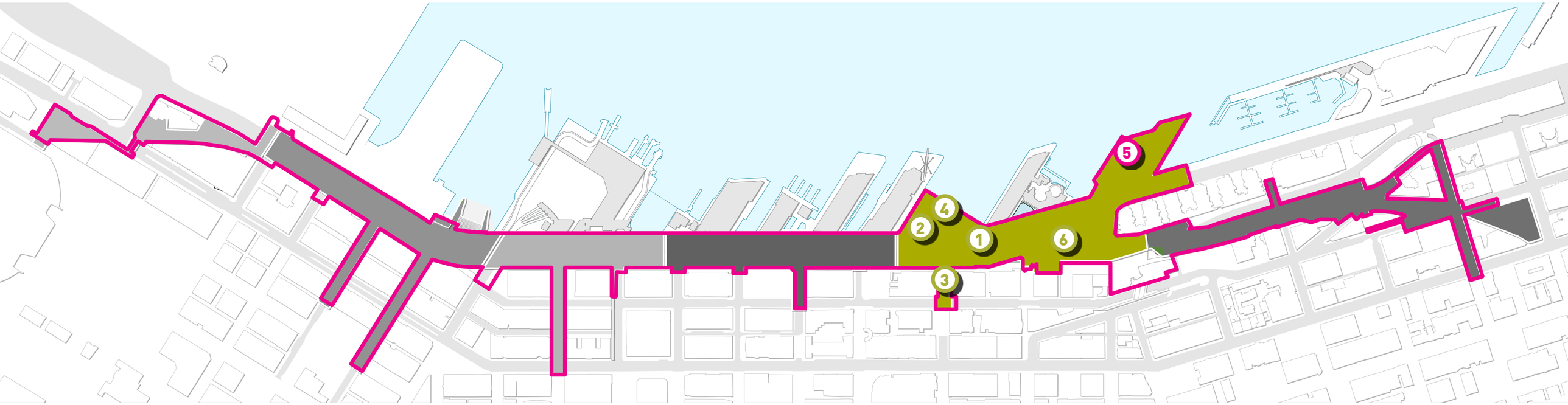
# PIER 62 REBUILD
# DESIGN COMMISSION

JULY 21, 2016

# PIER 62 REBUILD
## CENTRAL WATERFRONT PROJECT AREA



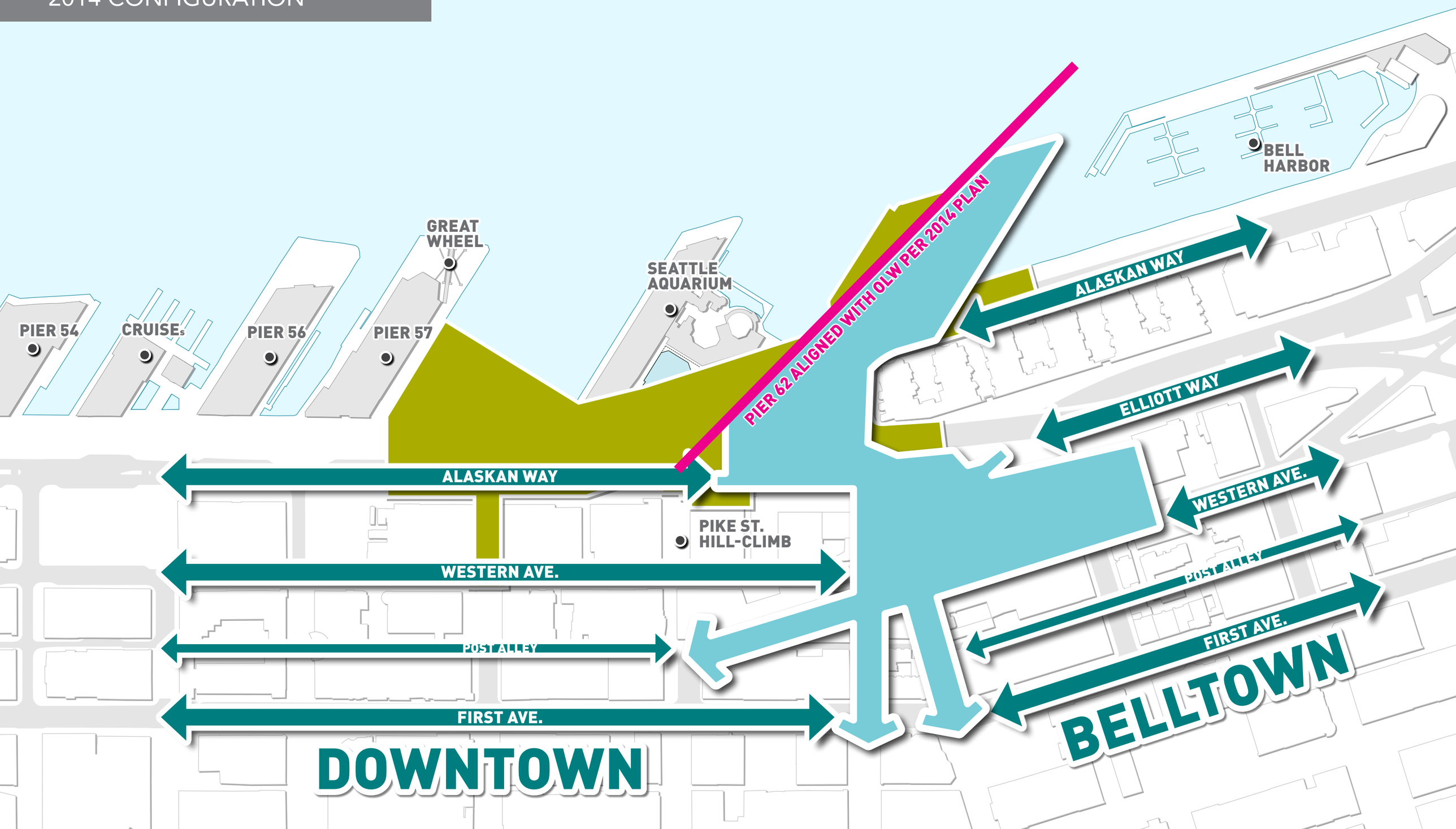
# PIER 62 REBUILD
CENTRAL PUBLIC SPACE




1. ELLIOTT WAY
2. WATERFRONT PROMENADE
3. UNION ST.
4. WATERFRONT PARK REBUILD
5. PIERS 62 REBUILD
6. OVERLOOK WALK

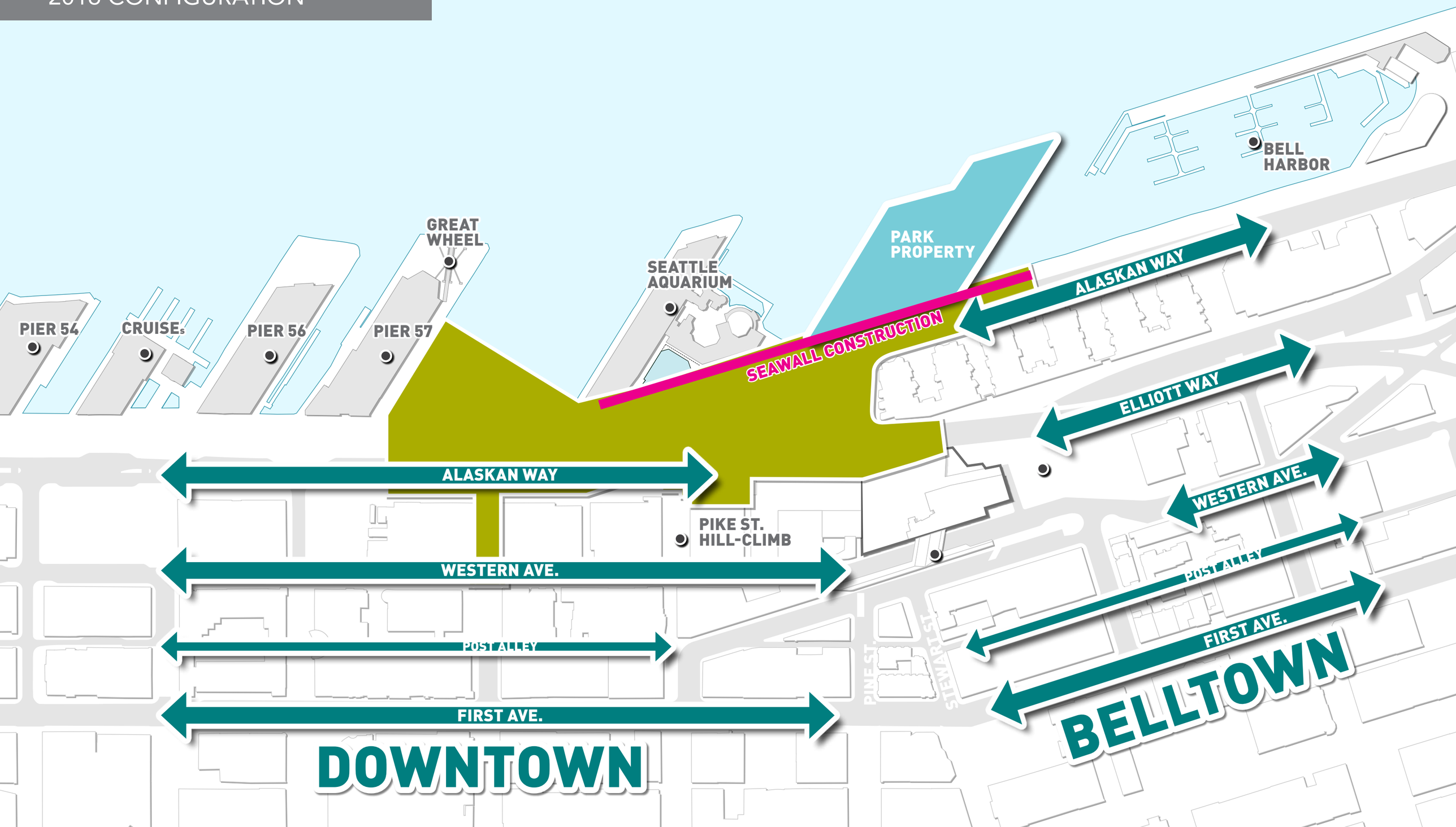
## 9 ACRES OF CONTIGUOUS PEDESTRIAN OPEN SPACE

# PIER 62 REBUILD
2014 CONFIGURATION

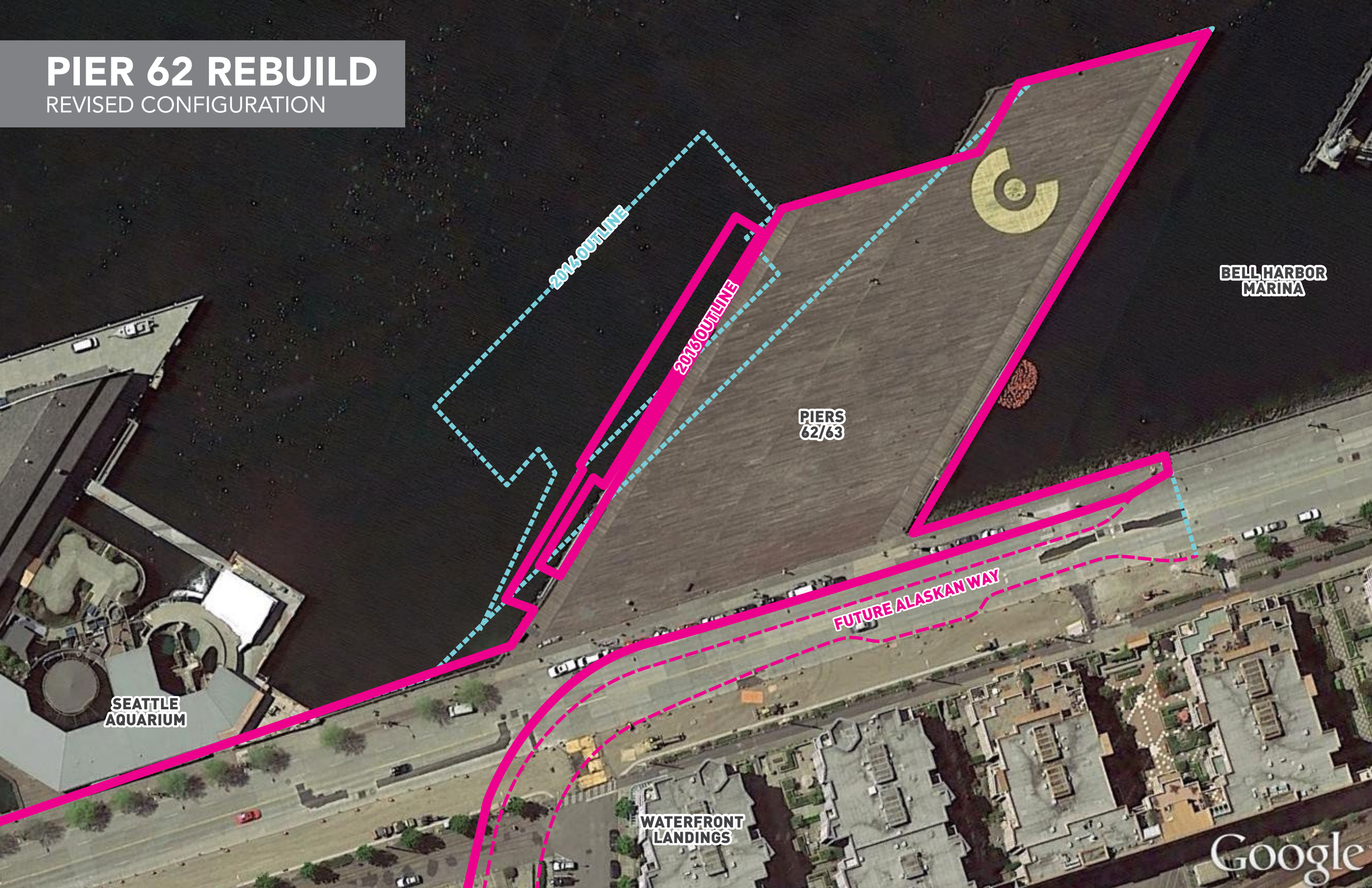


# PIER 62 REBUILD

2016 CONFIGURATION

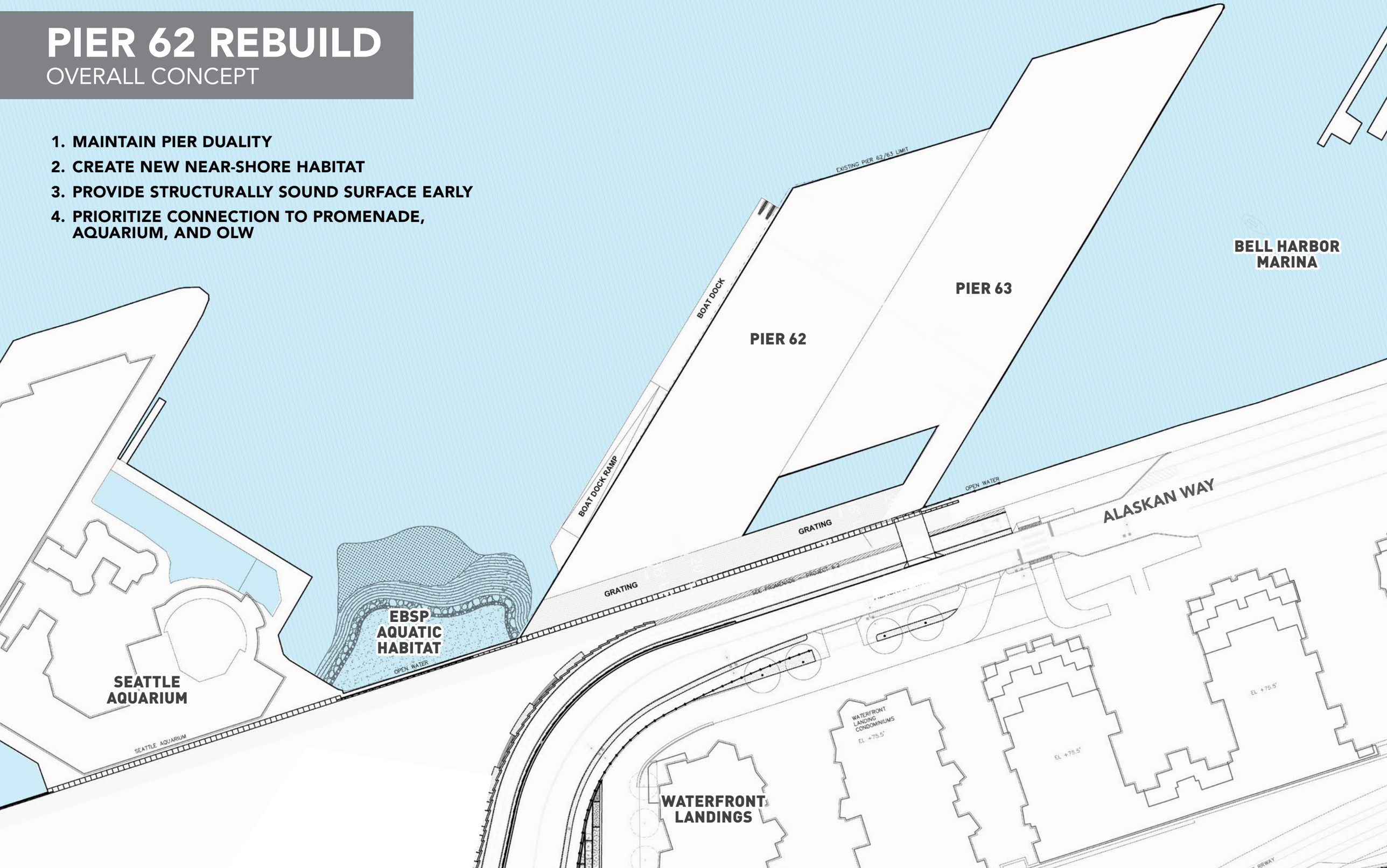


# PIER 62 REBUILD
REVISED CONFIGURATION



# PIER 62 REBUILD
## OVERALL CONCEPT

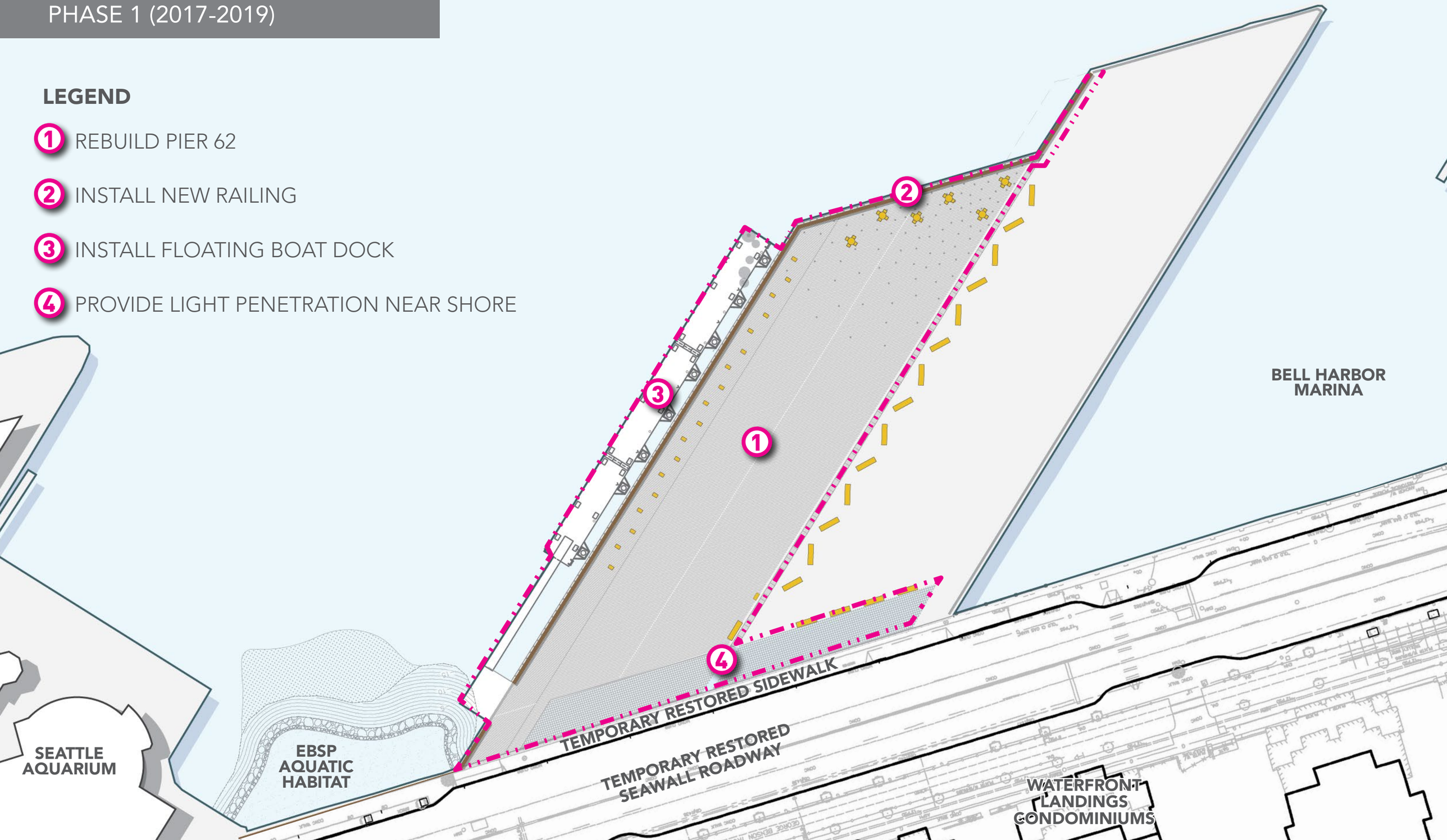
1. **MAINTAIN PIER DUALITY**
2. **CREATE NEW NEAR-SHORE HABITAT**
3. **PROVIDE STRUCTURALLY SOUND SURFACE EARLY**
4. **PRIORITIZE CONNECTION TO PROMENADE, AQUARIUM, AND OLW**



# PIER 62 REBUILD
PHASE 1 (2017-2019)

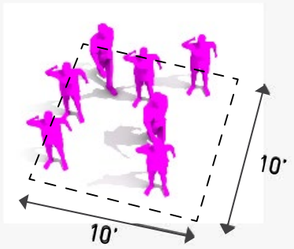
**LEGEND**

1. REBUILD PIER 62
2. INSTALL NEW RAILING
3. INSTALL FLOATING BOAT DOCK
4. PROVIDE LIGHT PENETRATION NEAR SHORE



# PIER 62 REBUILD
## CAPACITY DIAGRAM

### WEEKDAY: 2,000 PEOPLE




1 PERSON STANDING
/ 15sqfT

SEATTLE AQUARIUM

EBSP AQUATIC HABITAT

TEMPORARY RESTORED SIDEWALK

TEMPORARY RESTORED SEAWALL ROADWAY

BELL HARBOR MARINA

WATERFRONT LANDINGS CONDOMINIUMS

# PIER 62 REBUILD

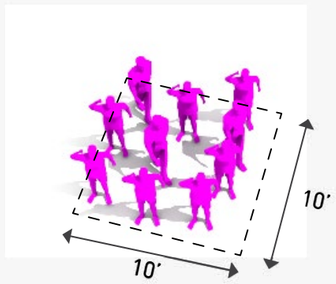
## PASSIVE RECREATION

# PIER 62 REBUILD

REBUILT PIER 62 + FLOATING DOCK

# PIER 62 REBUILD
## CAPACITY DIAGRAM

### INFORMAL GATHERING: 3,000 PEOPLE




1 PERSON STANDING
/ 10sqft

BELL HARBOR MARINA

SEATTLE AQUARIUM

EBSP AQUATIC HABITAT

TEMPORARY RESTORED SIDEWALK

TEMPORARY RESTORED SEAWALL ROADWAY

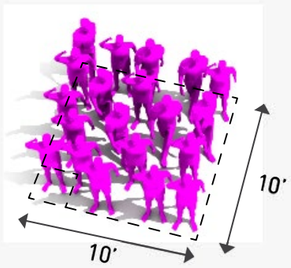
WATERFRONT LANDINGS CONDOMINIUMS

# PIER 62 REBUILD
## CAPACITY DIAGRAM

### INFORMAL GATHERING

# PIER 62 REBUILD
## CAPACITY DIAGRAM

**PERFORMANCE: 6,000 PEOPLE**




1 PERSON STANDING
/ 5sqft

BELL HARBOR
MARINA

TEMPORARY RESTORED SIDEWALK

TEMPORARY RESTORED
SEAWALL ROADWAY

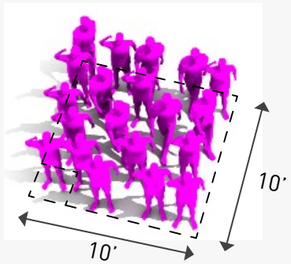
SEATTLE
AQUARIUM

EBSP
AQUATIC
HABITAT

WATERFRONT
LANDINGS
CONDOMINIUMS

# PIER 62 REBUILD
## CAPACITY DIAGRAM

**PERFORMANCE: 6,000 PEOPLE**




1 PERSON STANDING
/ 5sqft

BELL HARBOR
MARINA

SEATTLE
AQUARIUM

EBSP
AQUATIC
HABITAT

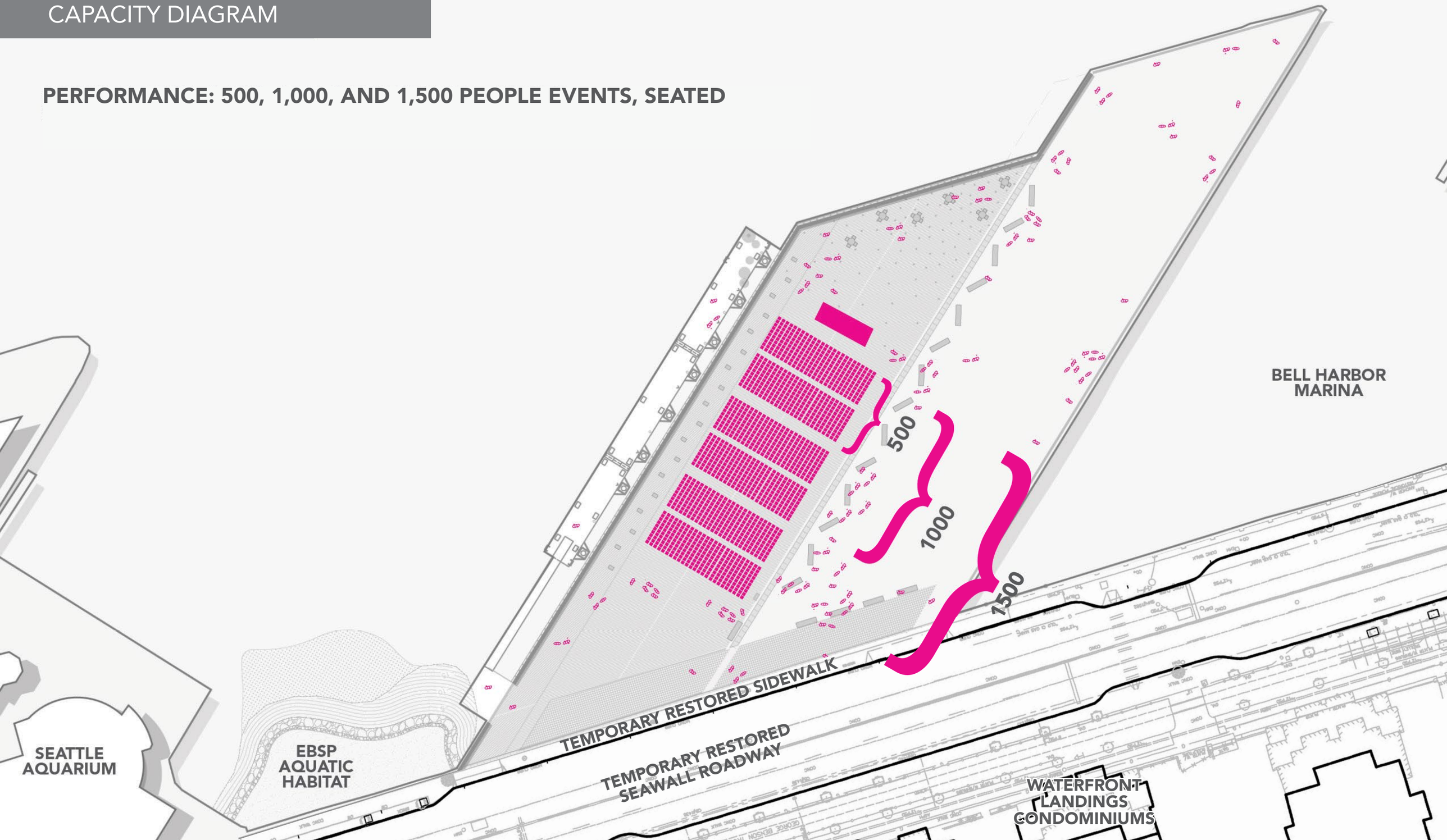
TEMPORARY RESTORED SIDEWALK

TEMPORARY RESTORED
SEAWALL ROADWAY

WATERFRONT
LANDINGS
CONDOMINIUMS

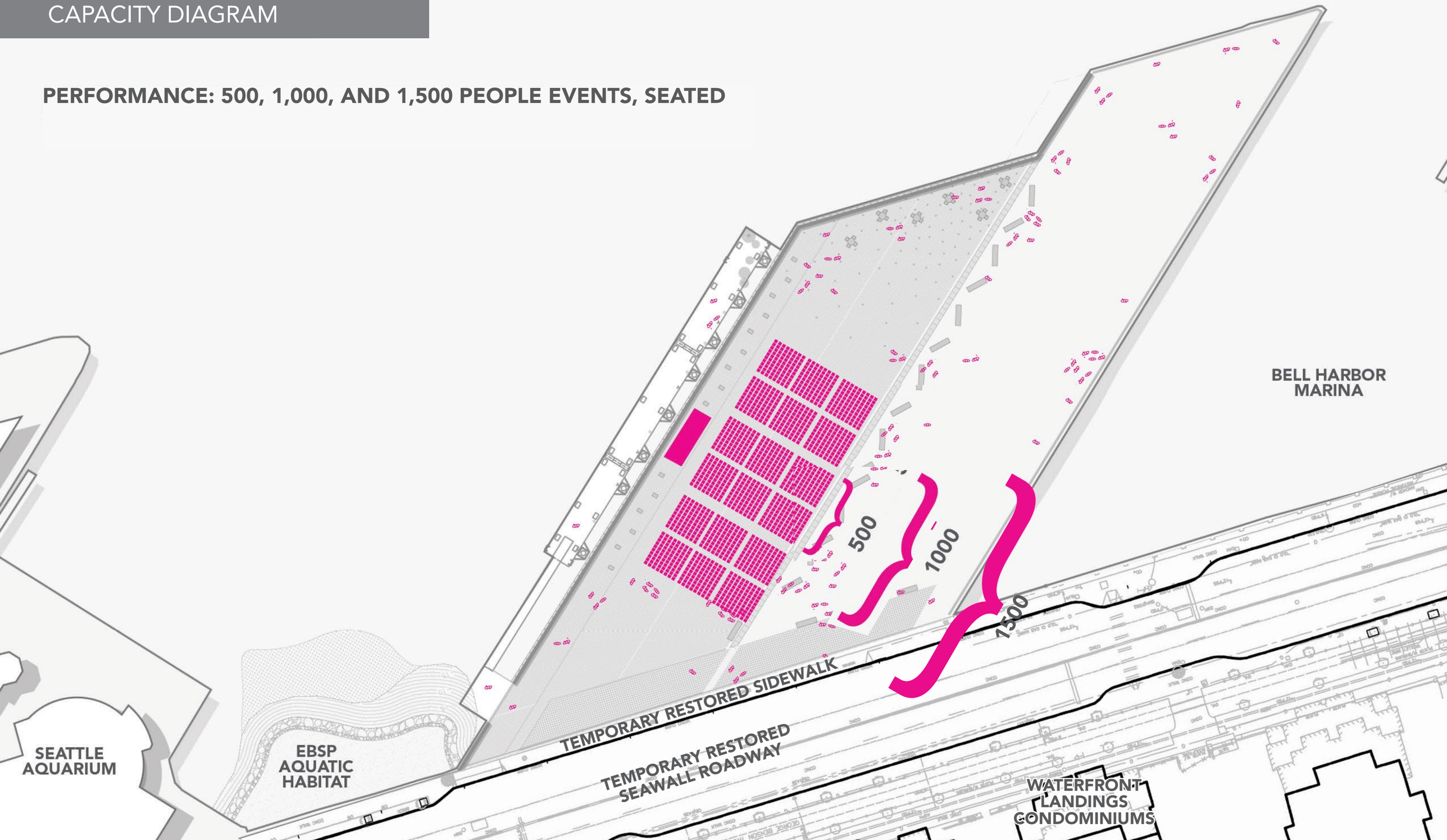
# PIER 62 REBUILD
CAPACITY DIAGRAM

**PERFORMANCE: 500, 1,000, AND 1,500 PEOPLE EVENTS, SEATED**



# PIER 62 REBUILD
CAPACITY DIAGRAM

## PERFORMANCE: 500, 1,000, AND 1,500 PEOPLE EVENTS, SEATED



# PIER 62 REBUILD
CONCERTS + EVENTS

# PIER 62 REBUILD

CONCERTS + EVENTS

# PIER 62 REBUILD
CAPACITY DIAGRAM

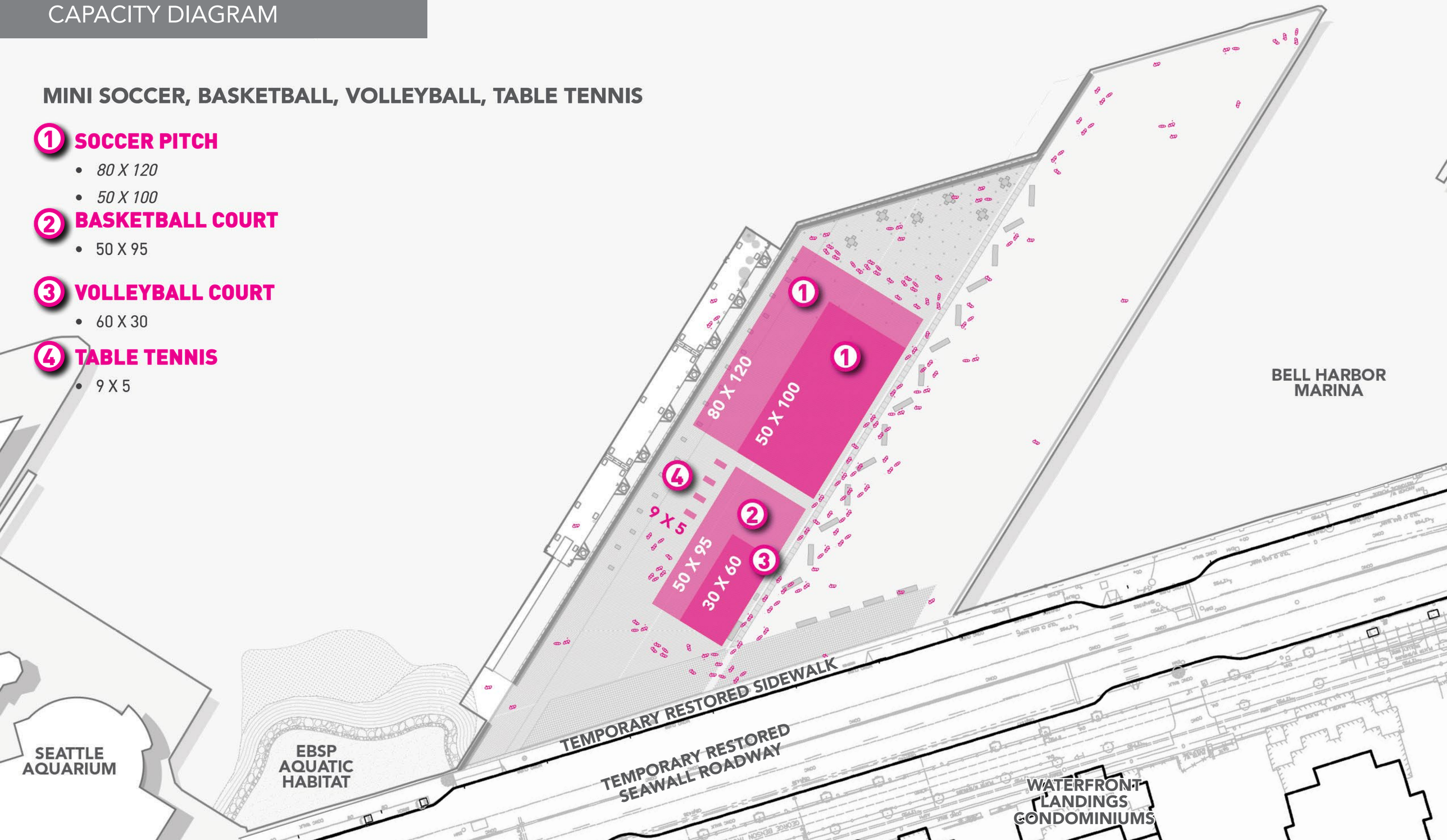
## MINI SOCCER, BASKETBALL, VOLLEYBALL, TABLE TENNIS

### ① SOCCER PITCH
- *80 X 120*
- *50 X 100*

### ② BASKETBALL COURT
- 50 X 95

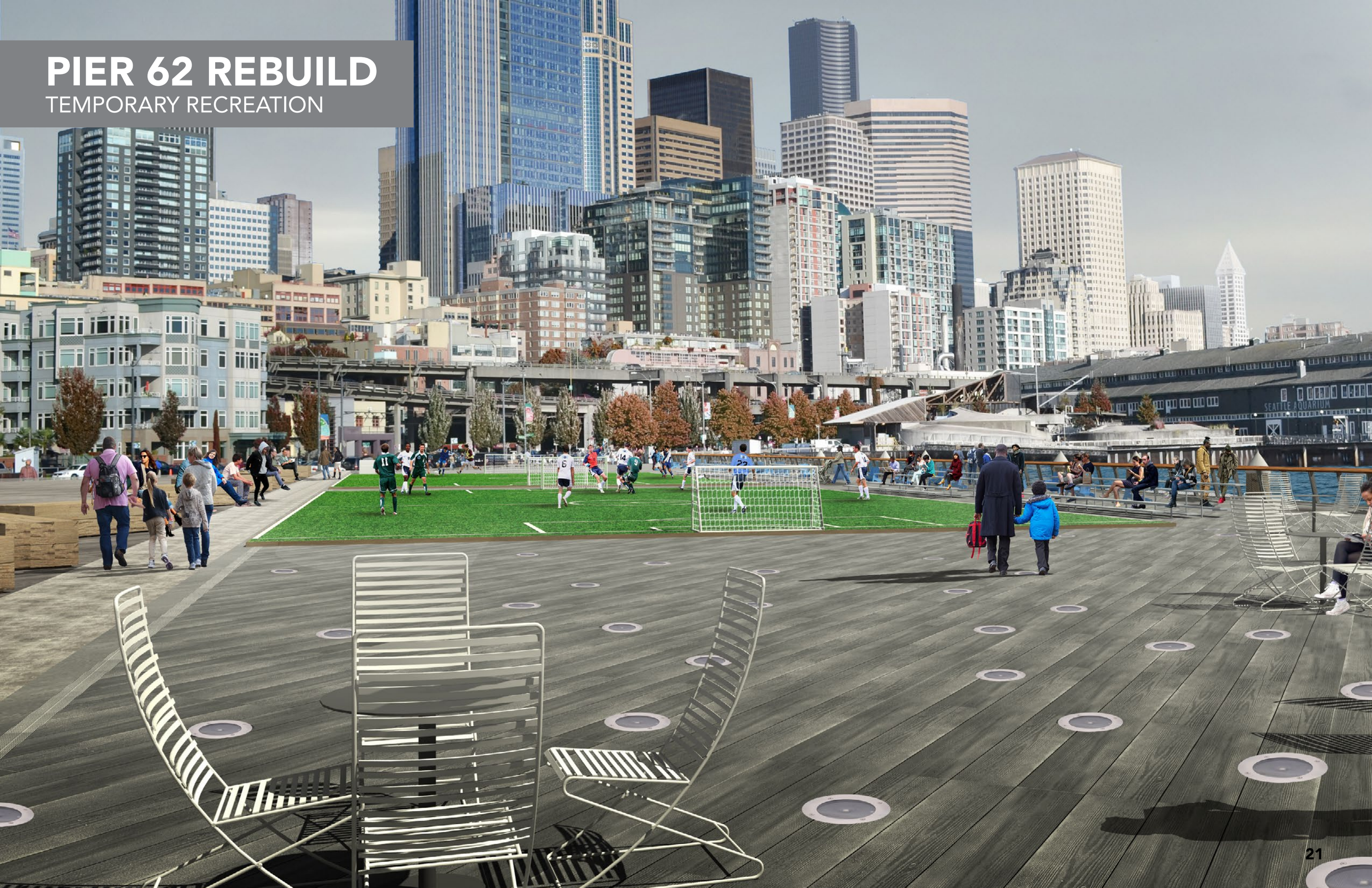
### ③ VOLLEYBALL COURT
- 60 X 30

### ④ TABLE TENNIS
- 9 X 5



# PIER 62 REBUILD

## TEMPORARY RECREATION



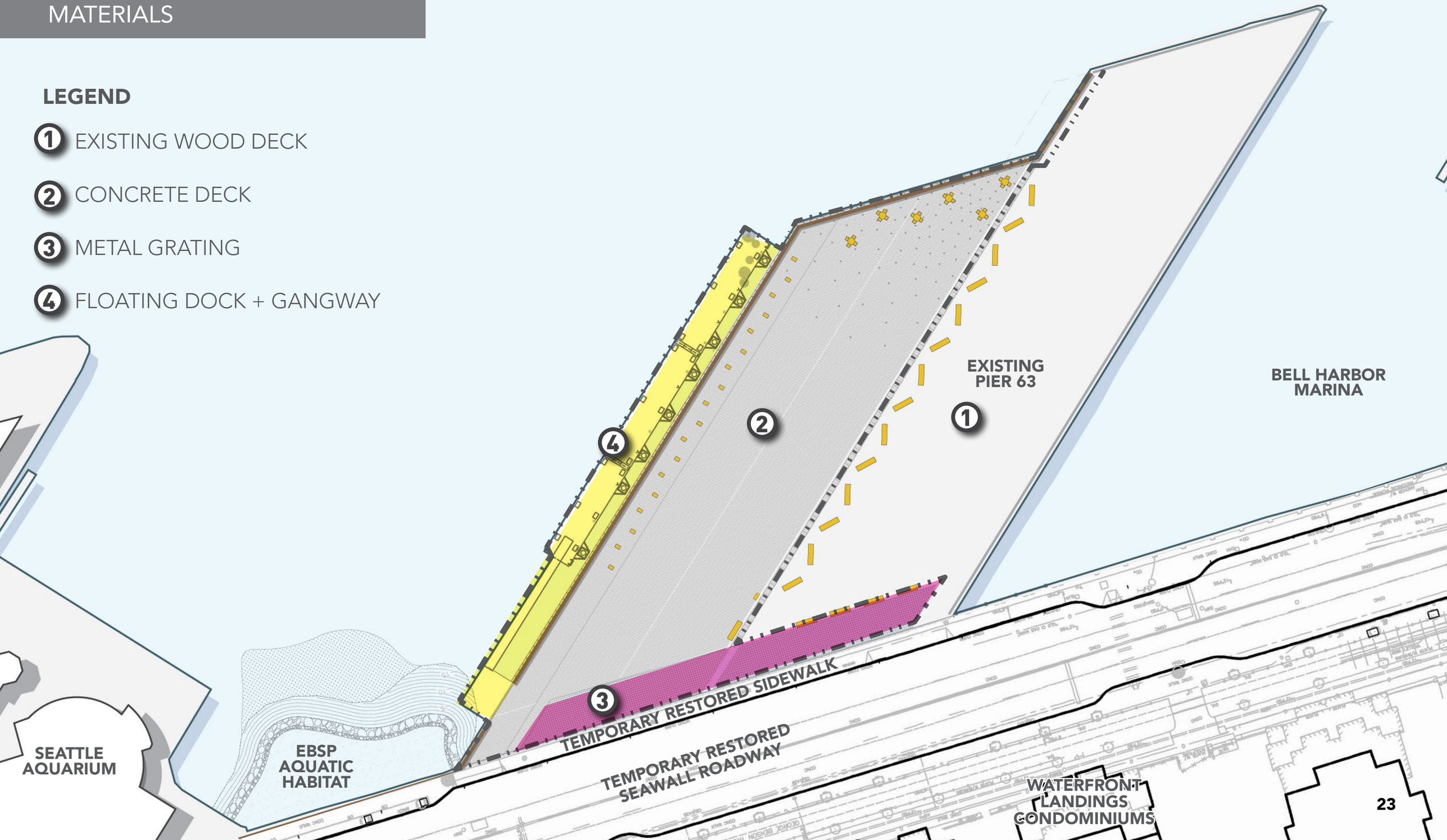
# PIER 62 REBUILD

## TEMPORARY RECREATION

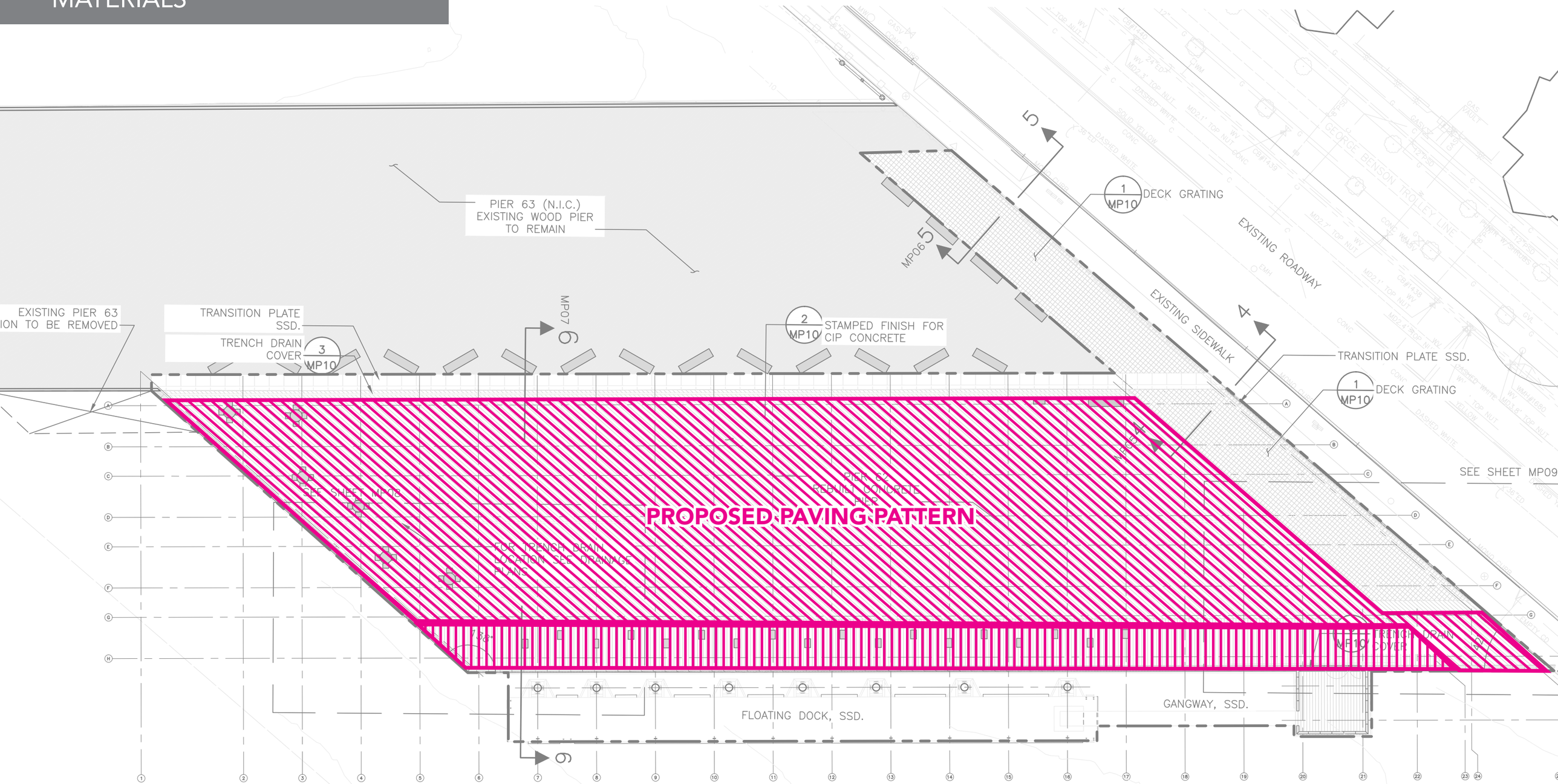
# PIER 62 REBUILD
MATERIALS

**LEGEND**

1. EXISTING WOOD DECK
2. CONCRETE DECK
3. METAL GRATING
4. FLOATING DOCK + GANGWAY



# PIER 62 REBUILD
## MATERIALS




DIRECTION OF PAVING PATTERN

# PIER 62 REBUILD

CONCRETE DECK

# PIER 62 REBUILD

CONCRETE DECK - PLANK TEXTURE

# PIER 62 REBUILD

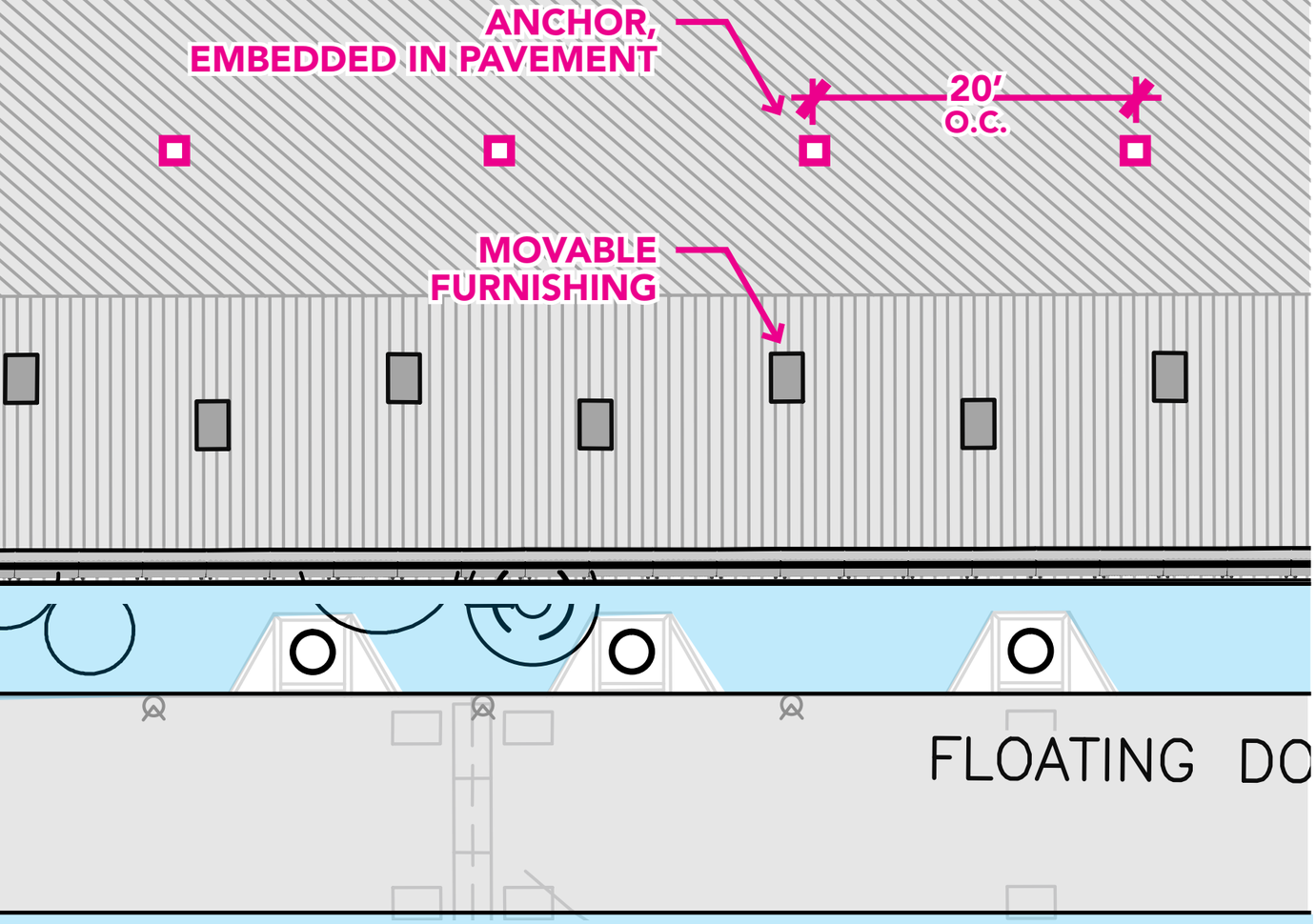
CONCRETE DECK - FORM LINER

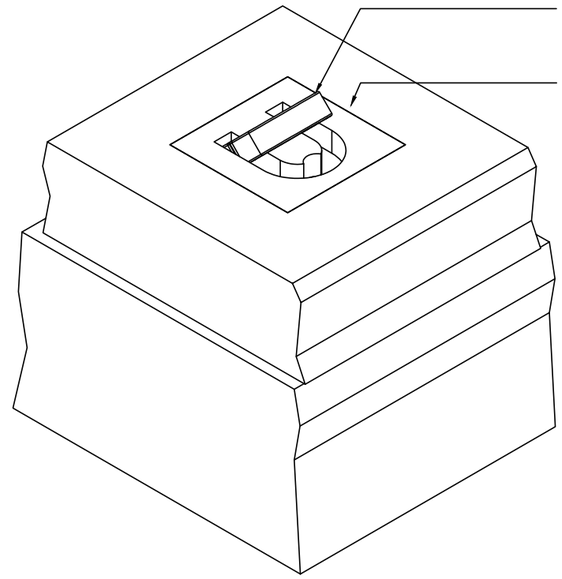

FORM-LINER SAMPLE

PIE

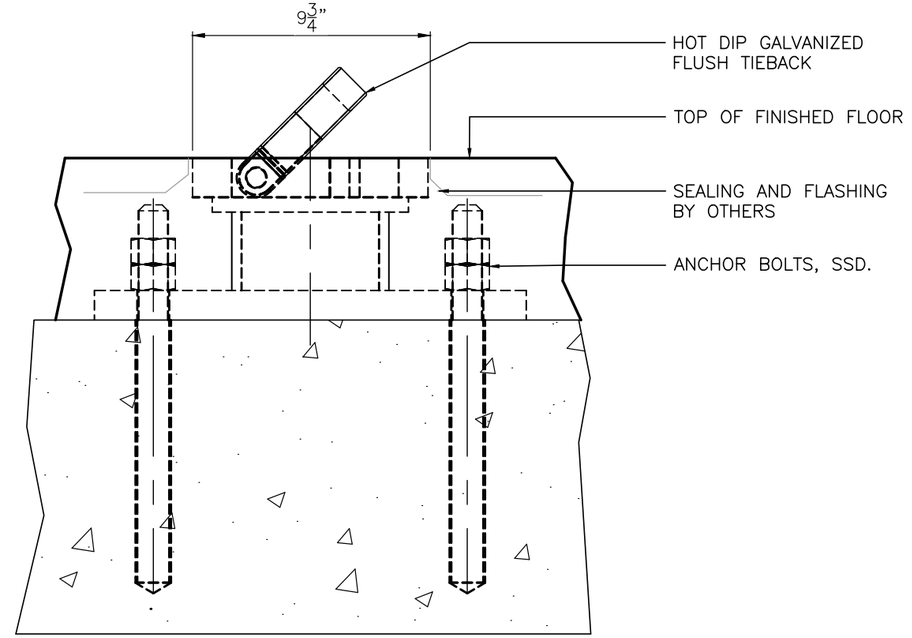
# PIER 62 REBUILD

## TEMPORARY STRUCTURE ANCHORING SYSTEM




AXON
NTS




SECTION

ANCHOR 2
6"=1'-0"

# PIER 62 REBUILD
## GRATING AS LIGHT PENETRATING SURFACE

PIER 63 (N.I.C.)
EXISTING WOOD PIER
TO REMAIN

EXISTING PIER 63
ION TO BE REMOVED

TRANSITION PLATE
SSD.

TRENCH DRAIN
COVER 3/MP10

MP07 6

2/MP10 STAMPED FINISH FOR
CIP CONCRETE

5

MP06 5

1/MP10 DECK GRATING

EXISTING ROADWAY

EXISTING SIDEWALK

PROPOSED GRATING

4

TRANSITION PLATE SSD.

1/MP10 DECK GRATING

MP05 4

SEE SHEET MP09

SEE SHEET MP08

PIER 62
REBUILT CONCRETE
PIER

FOR TRENCH DRAIN
LOCATION SEE DRAINAGE
PLANS

138°

3/MP10 TRENCH DRAIN
COVER

42°

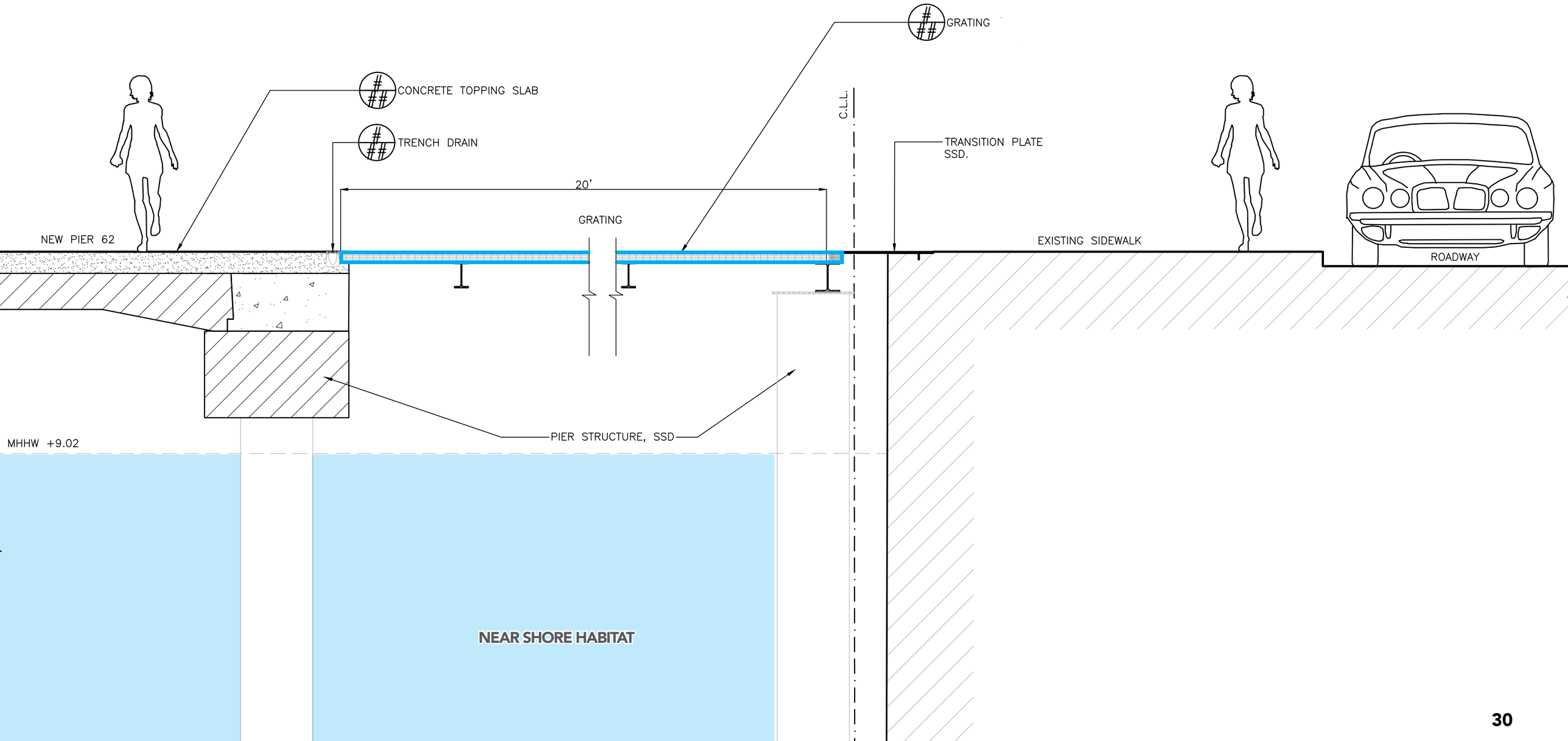
FLOATING DOCK, SSD.

GANGWAY, SSD.

6

LIGHT PENETRATING METAL GRATE

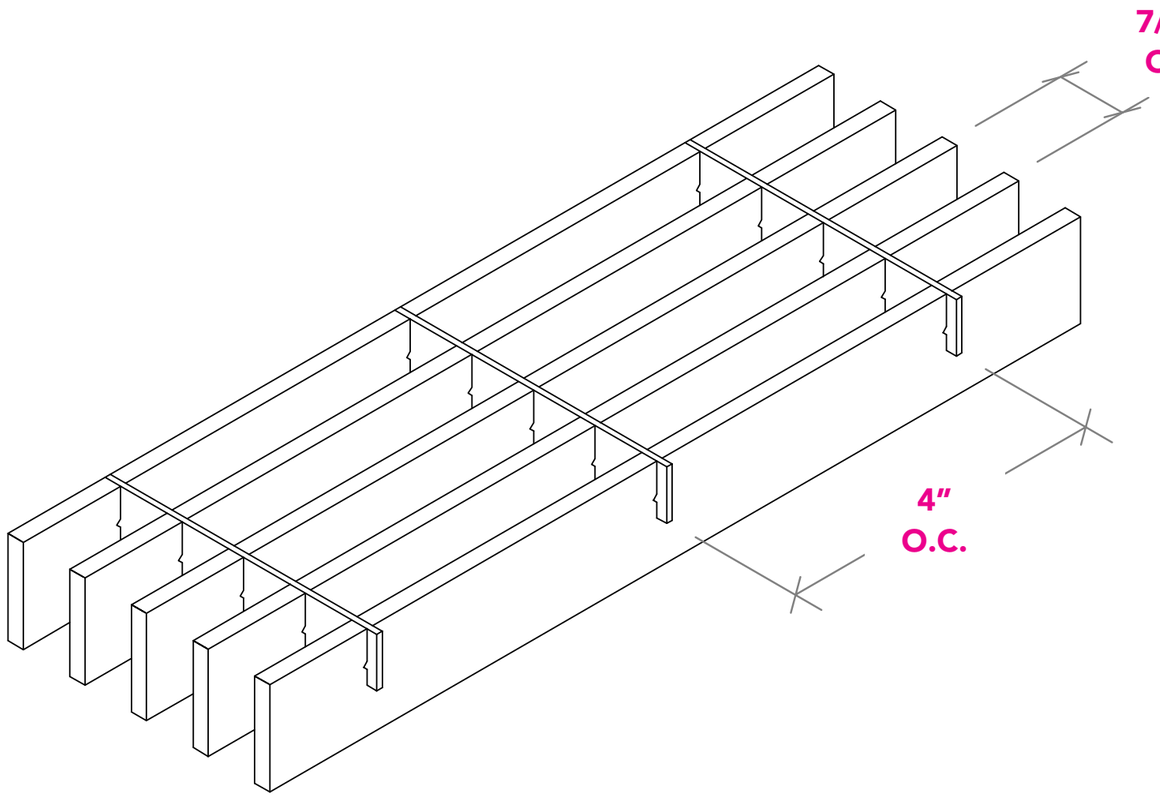
# PIER 62 REBUILD
## GRATING AS LIGHT PENETRATING SURFACE



# PIER 62 REBUILD
## GRATING

**REQUIREMENTS:**

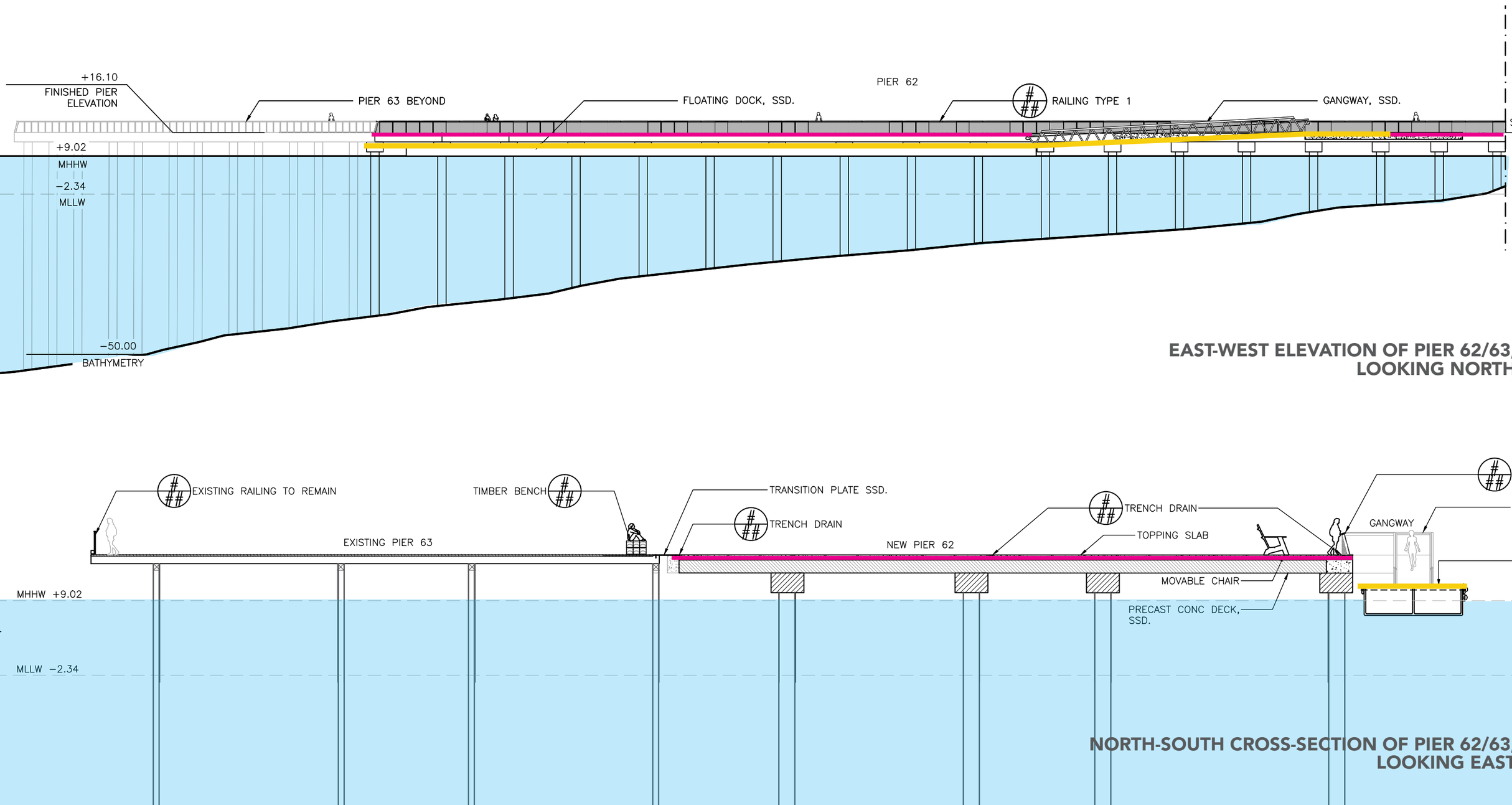
- ADA COMPLIANT
- VEHICLE RATED
- SLIP RESISTANT
- ALLOW ENOUGH LIGHT THROUGH




NYC, SOUTH STREET SEAPORT

# PIER 62 REBUILD
## GANGWAY + FLOATING DOCK

# PIER 62 REBUILD
## GANGWAY + FLOATING DOCK

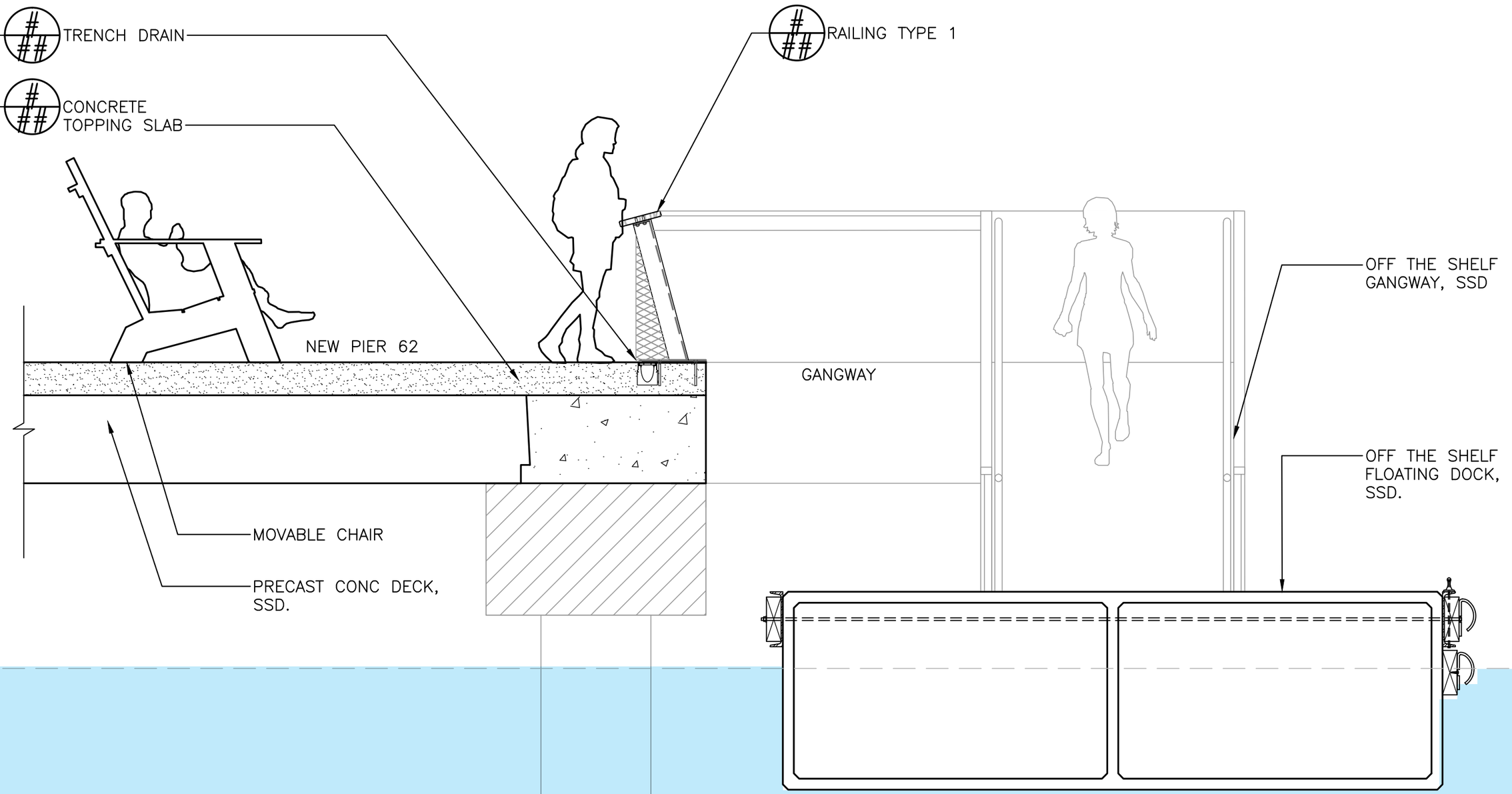



EAST-WEST ELEVATION OF PIER 62/63, LOOKING NORTH

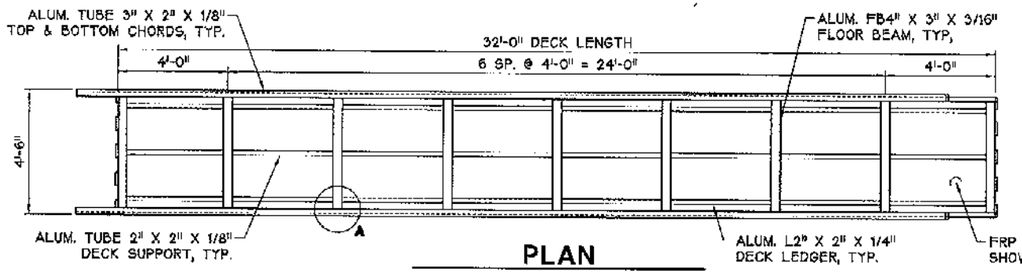



NORTH-SOUTH CROSS-SECTION OF PIER 62/63, LOOKING EAST

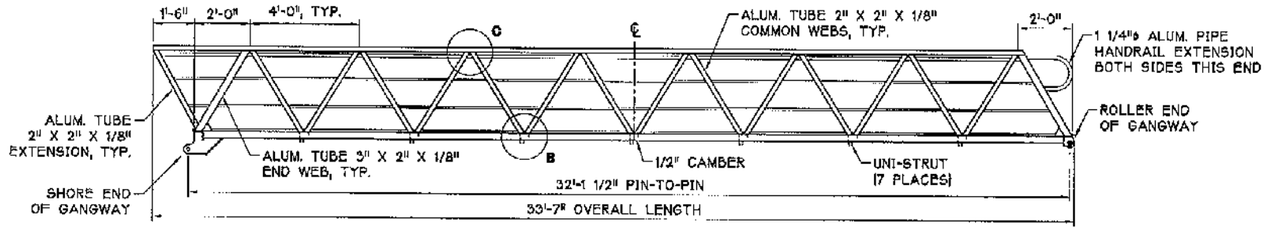
# PIER 62 REBUILD
## OFF-THE-SHELF FLOATING DOCK



# PIER 62 REBUILD
## OFF-THE-SHELF GANGWAY




PLAN




ELEVATION

**DESIGN NOTES**

DESIGN OF GANGWAY ASSUMES THAT THE APPROACH PIER AND LANDING FLOATS (BY OTHERS) ARE ADEQUATE FOR THE SAFE AND STABLE SUPPORT OF THE GANGWAY.

ALL WELDING SHALL BE PERFORMED IN CONFORMANCE WITH THE LATEST AWS D1.1 (STEEL) OR D1.2 (ALUMINUM) WELDING CODES BY AWS CERTIFIED STRUCTURAL WELDERS.

ALL ALUMINUM IS ALLOY 6061-T6 EXCEPT AS NOTED.

ALL CARBON STEEL SHALL BE ASTM A36 AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.

ESTIMATED DEAD LOAD REACTION OF THE GANGWAY (NOT INCLUDING UTILITY ALLOWANCE) IS 530 LBS.

SHIPPING WEIGHT, (INCLUDING SHORE MOUNT) IS 1,200 LBS.

DESIGN LIVE LOAD REACTION IS 2.56 KIPS. (VERTICAL)

DESIGN WIND LOAD REACTION IS 0.65 KIPS (HORIZONTAL)

SUBMITTAL / SHOP DRAWING REVIEW

☒ No Exceptions Taken ☐ Revise and Resubmit

☐ Furnish as Corrected ☐ Rejected

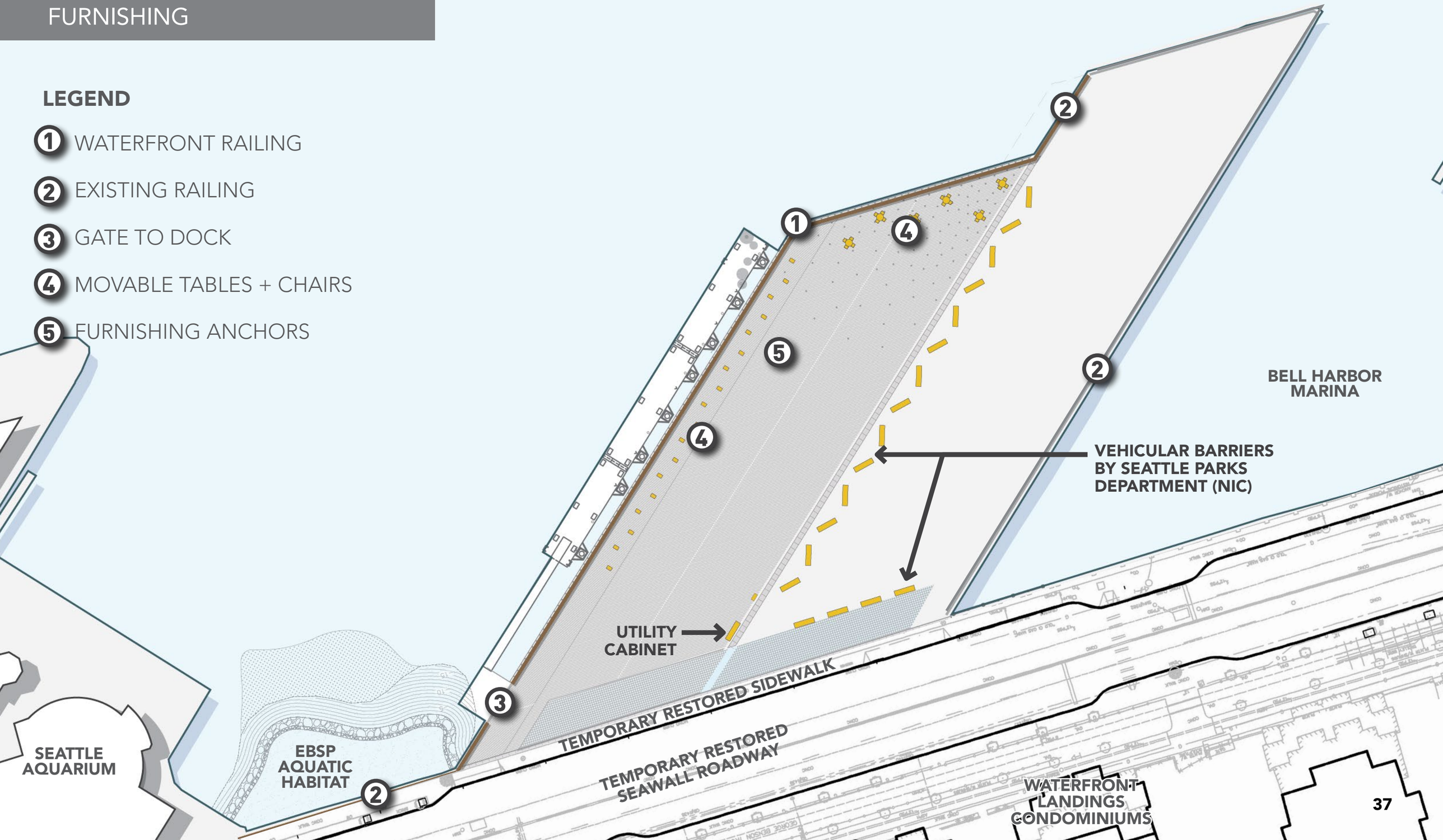
# PIER 62 REBUILD

OFF-THE-SHELF GANGWAY

# PIER 62 REBUILD
FURNISHING

**LEGEND**

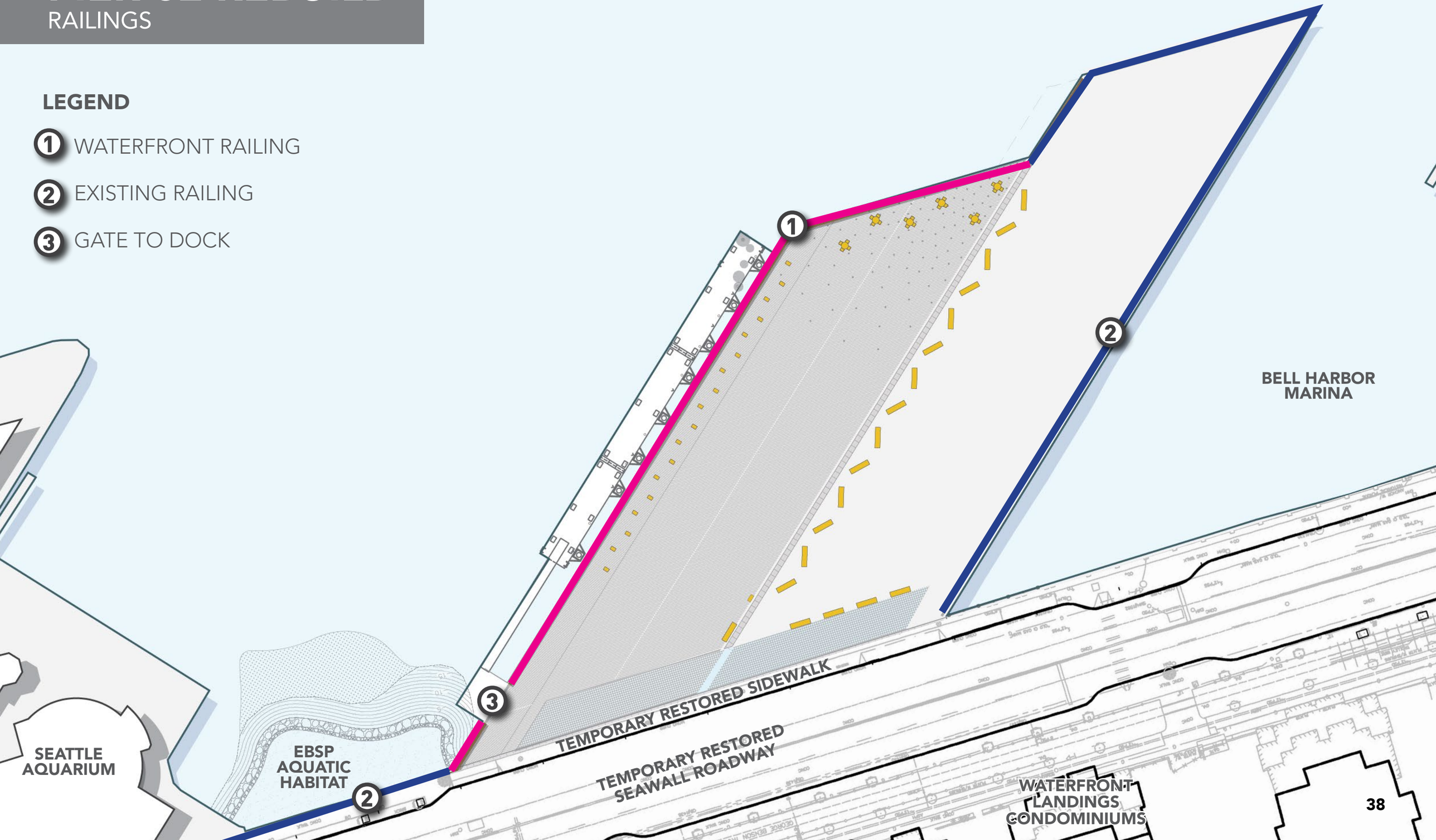
1. WATERFRONT RAILING
2. EXISTING RAILING
3. GATE TO DOCK
4. MOVABLE TABLES + CHAIRS
5. FURNISHING ANCHORS



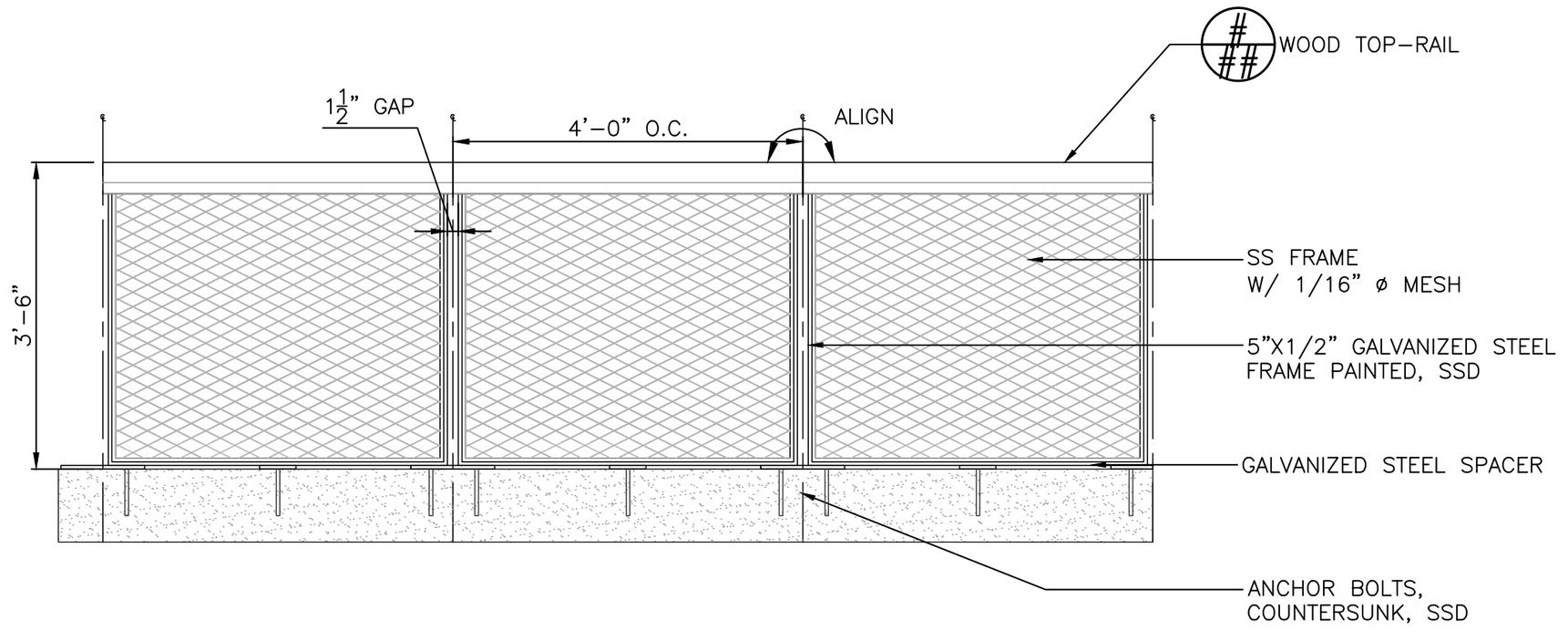
# PIER 62 REBUILD
RAILINGS

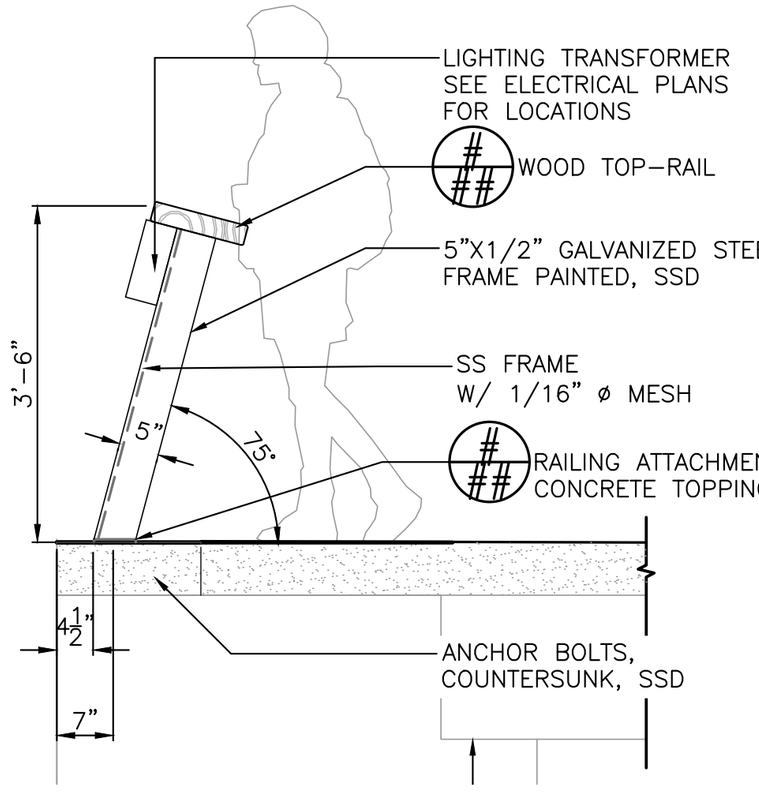
**LEGEND**

1. WATERFRONT RAILING
2. EXISTING RAILING
3. GATE TO DOCK



# PIER 62 REBUILD
## NEW RAILINGS



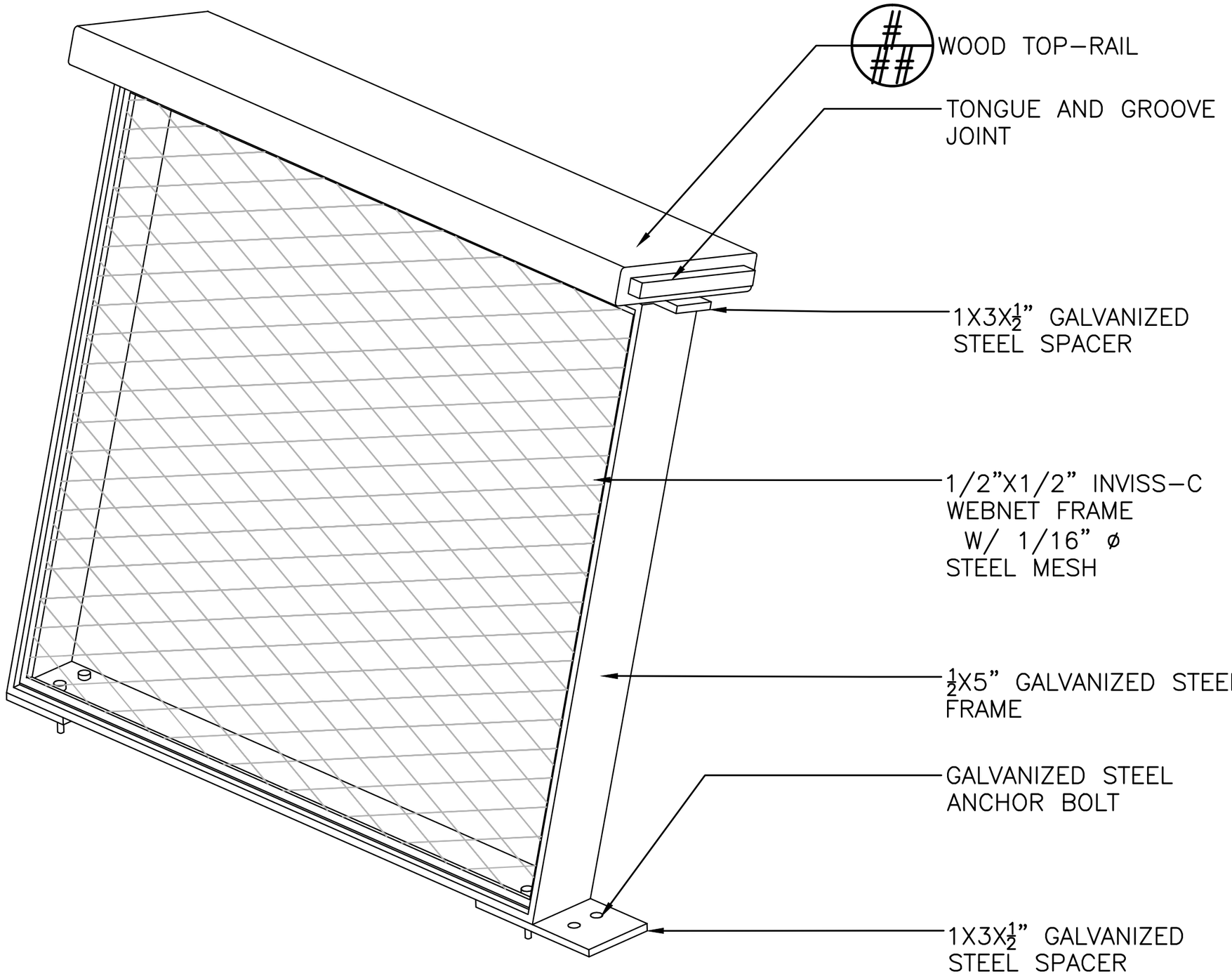
# PIER 62 REBUILD

NEW RAILINGS MESH

INSPIRATION: FISHING NET

MATERIAL: FLEXIBLE STAINLESS STEEL EXTEND MESH

# PIER 62 REBUILD
NEW RAILINGS



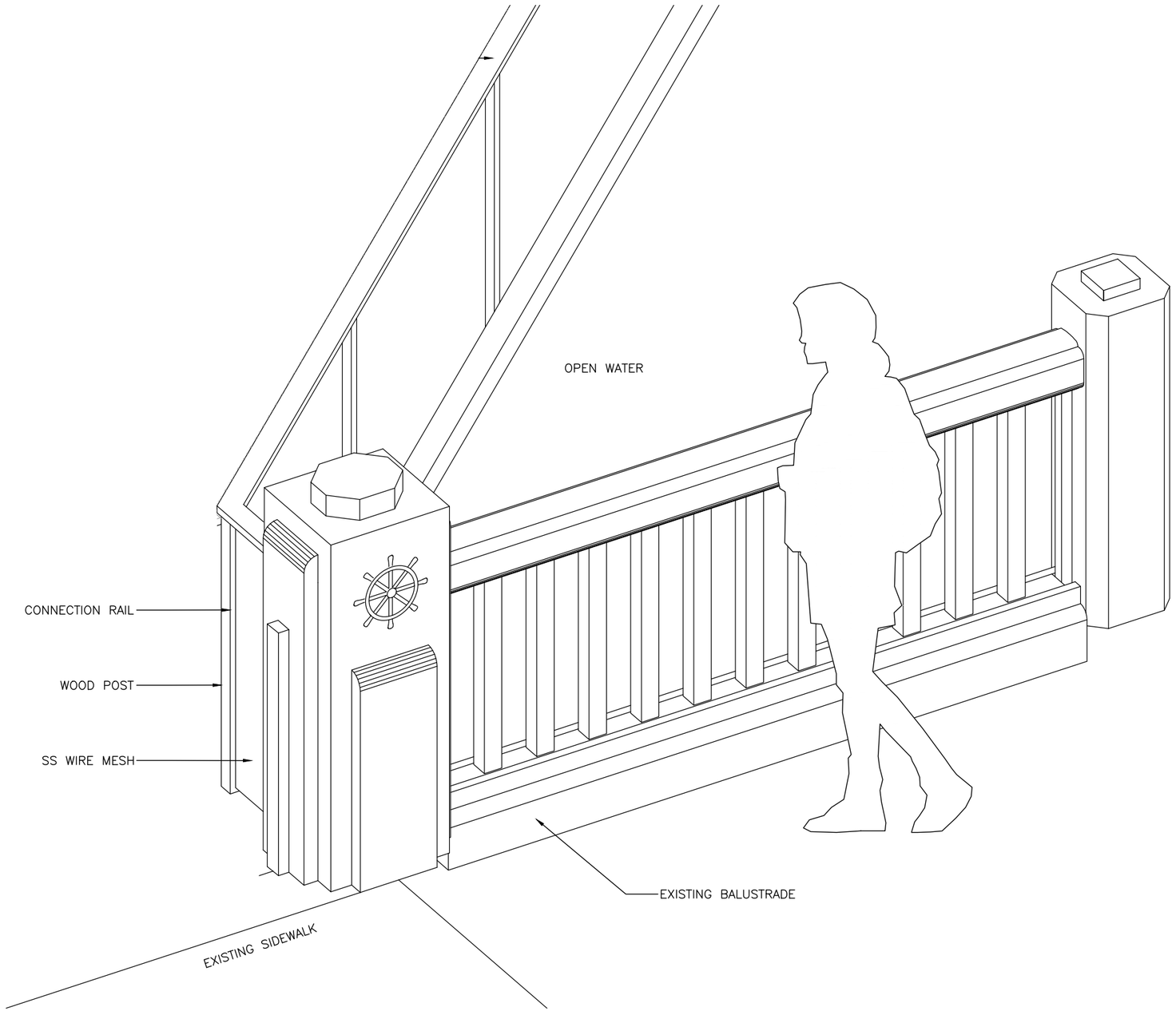
# PIER 62 REBUILD

## NEW RAILINGS WOOD TOP

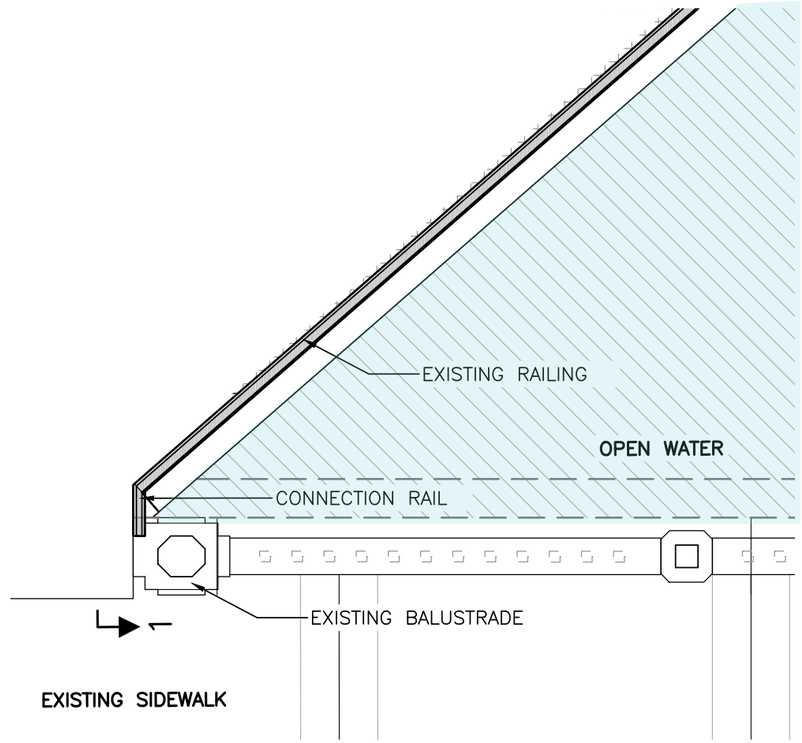
INSPIRATION: RECLAIMED SEA WALL EKKI WOOD

MATERIAL: CUMARU

# PIER 62 REBUILD
## CONNECTION TO BALUSTRADE




**AXON: CONNECTION BETWEEN EXISTING RAILING + HISTORIC BALUSTRADE**



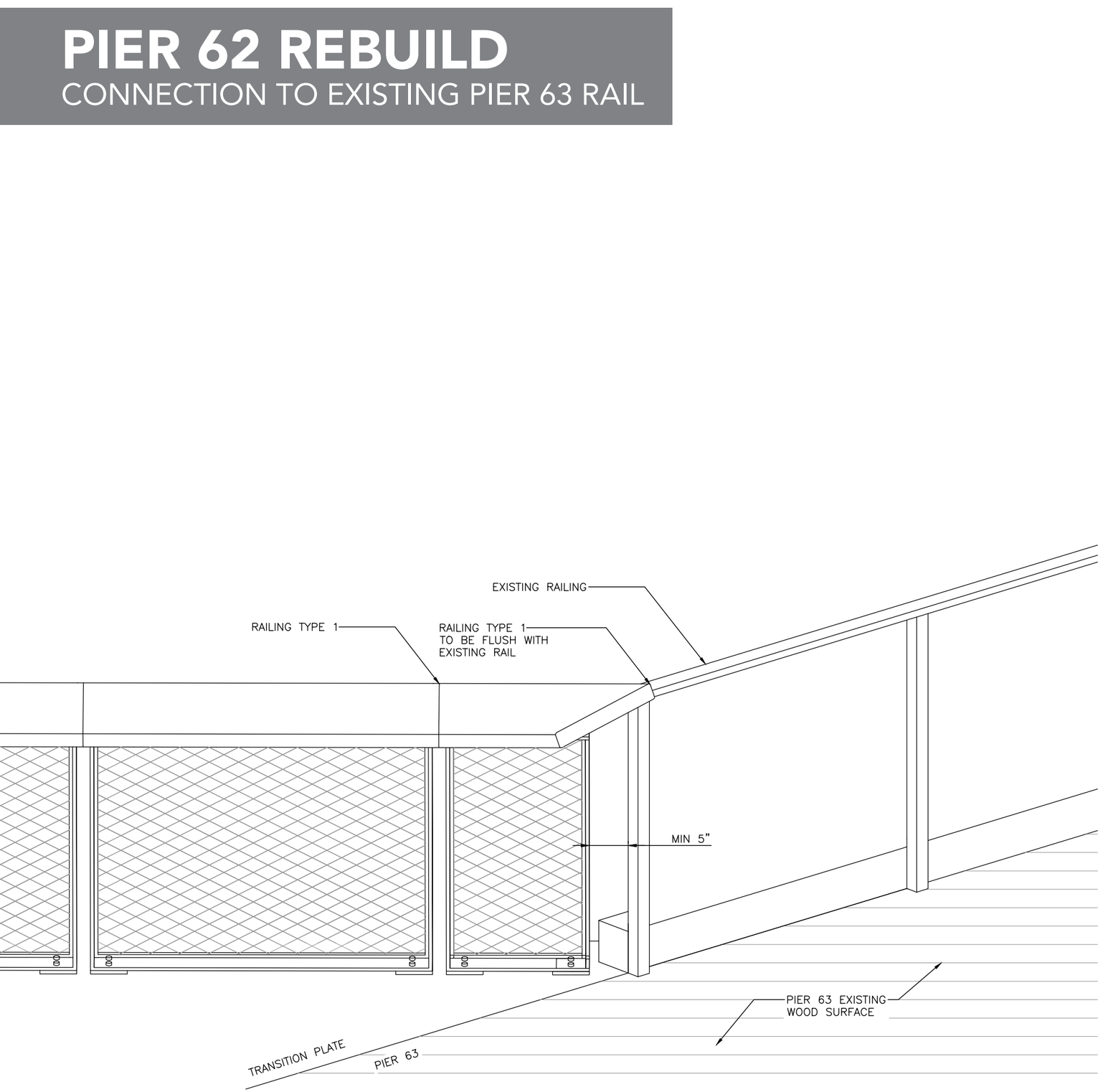

PLAN
1/2"=1'-0"

**KEY PLAN**

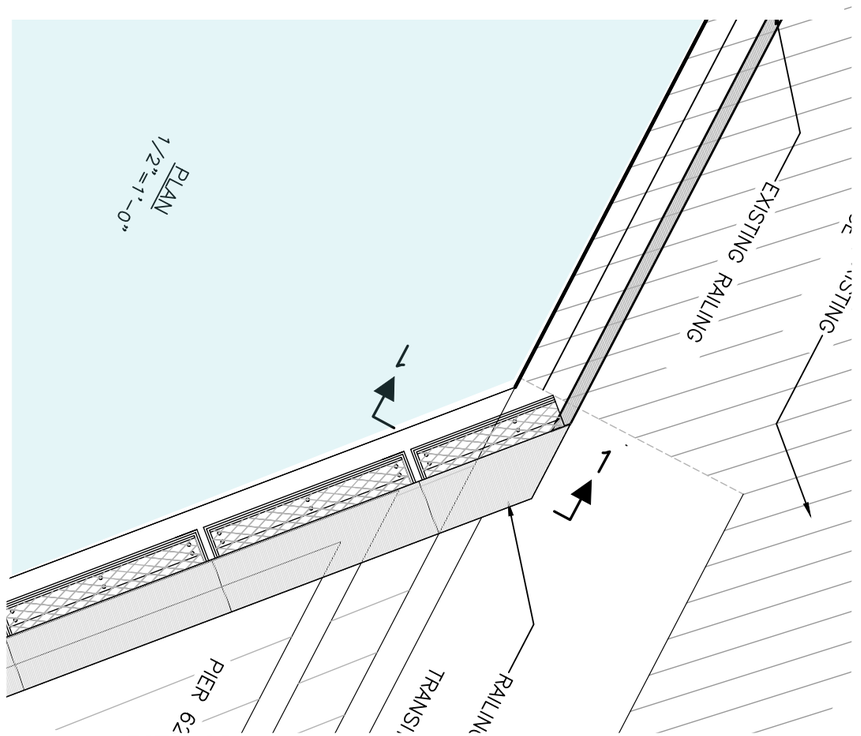
# PIER 62 REBUILD

## CONNECTION TO EXISTING PIER 63 RAIL

# PIER 62 REBUILD
## CONNECTION TO EXISTING PIER 63 RAIL



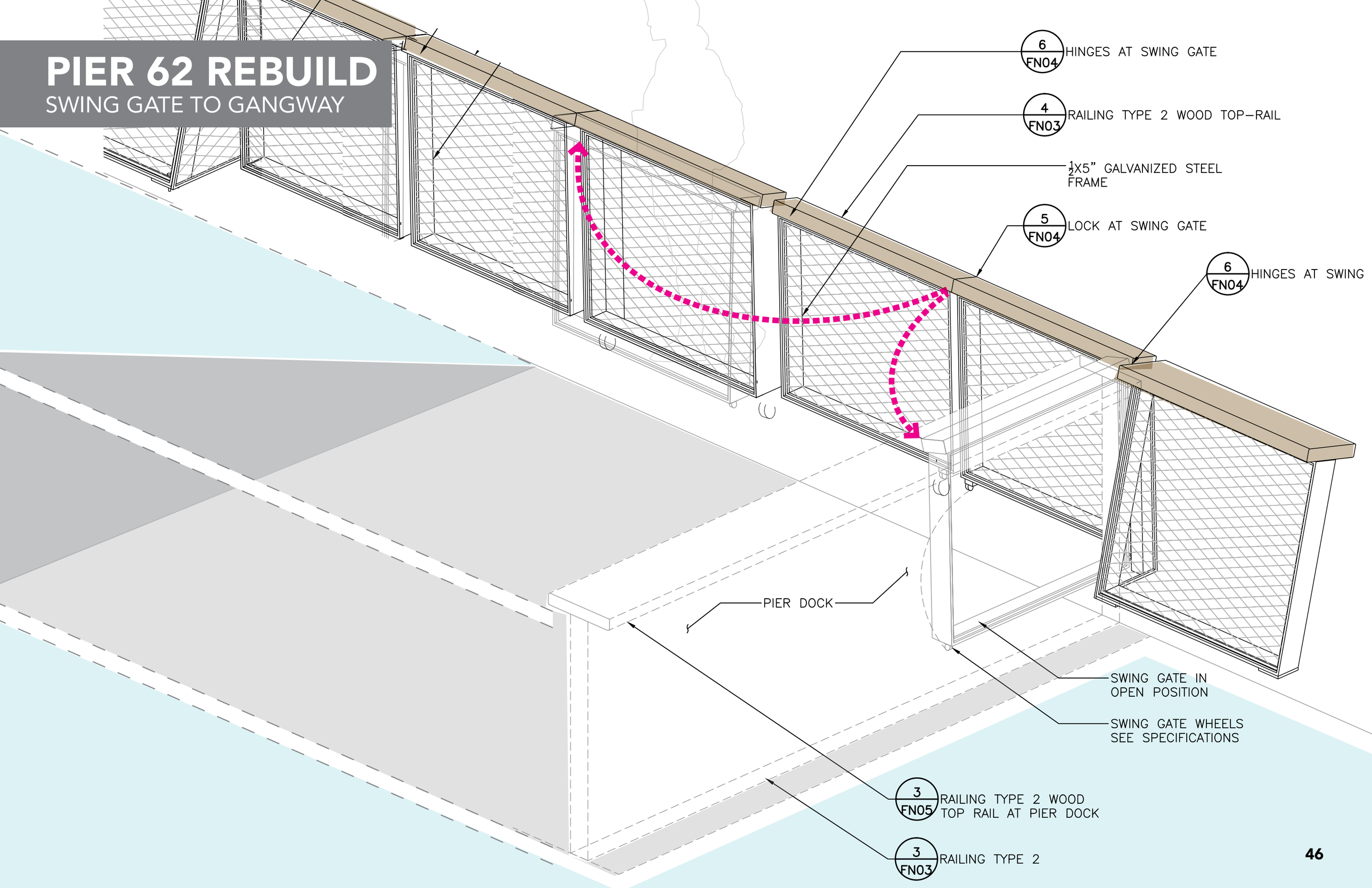

**AXONOMETRIC**



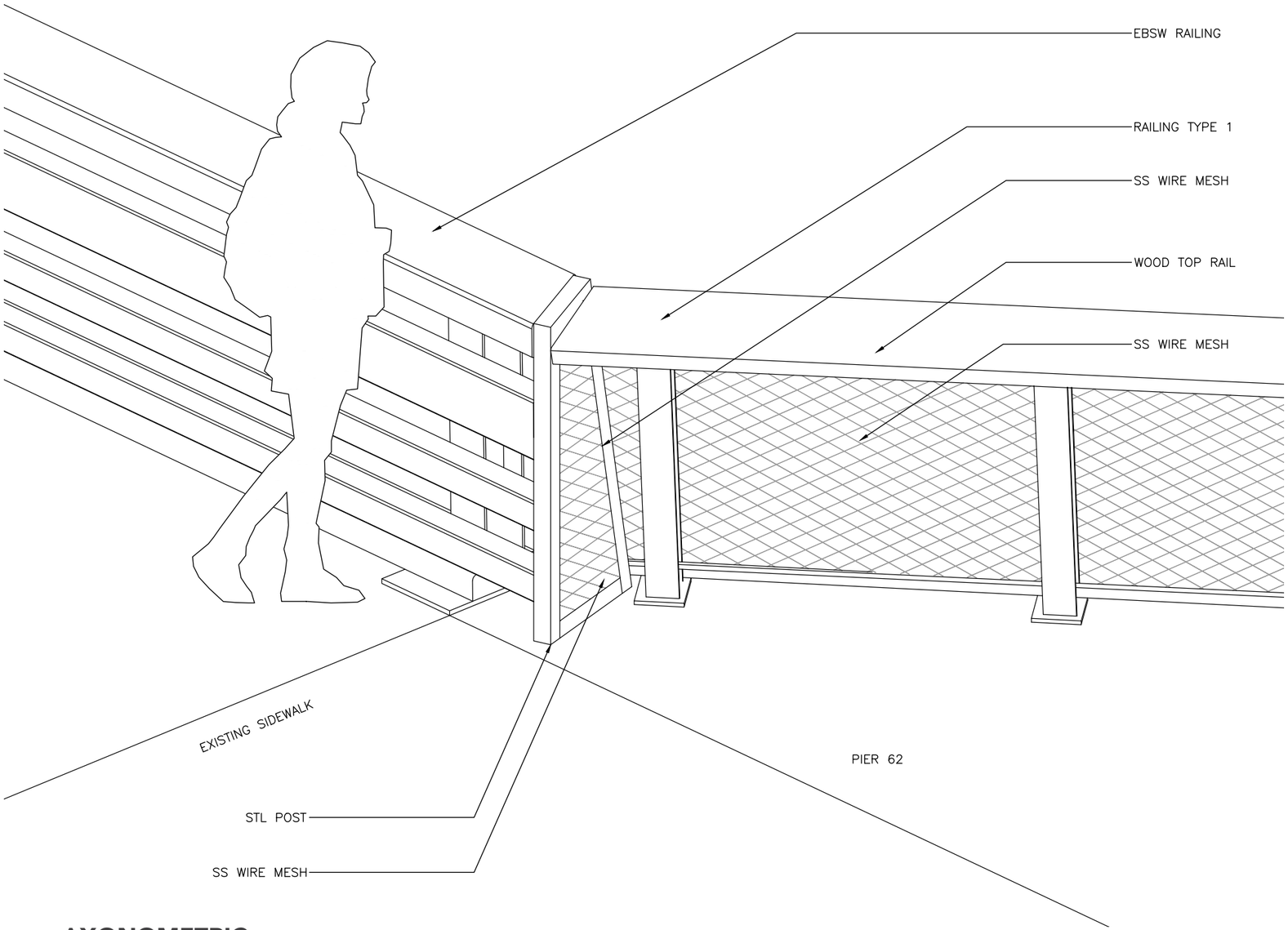

**KEY PLAN**

# PIER 62 REBUILD

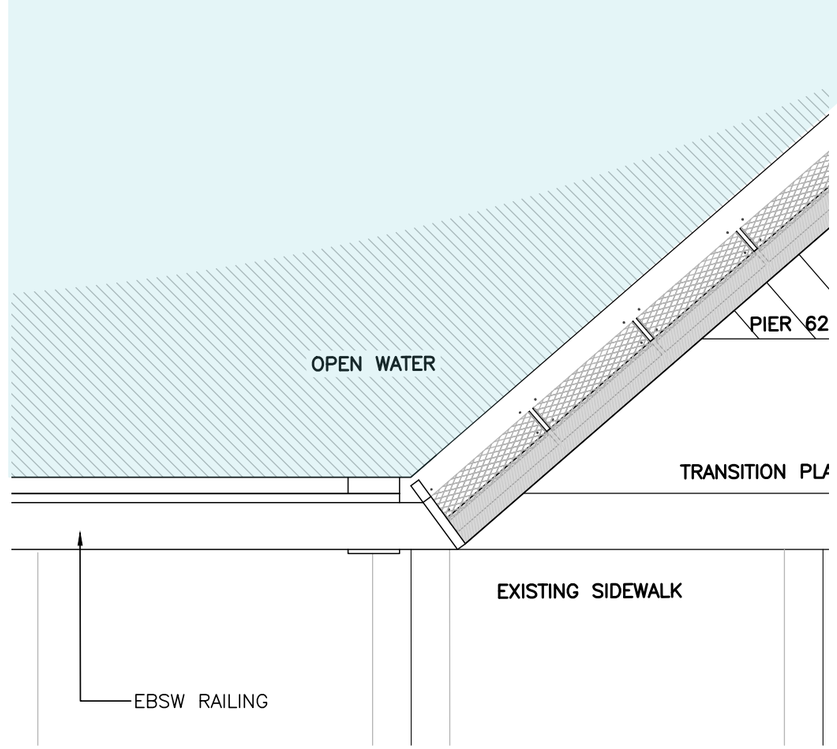
## SWING GATE TO GANGWAY



# PIER 62 REBUILD
## CONNECTION TO TEMPORARY EBSP RAIL




**AXONOMETRIC**



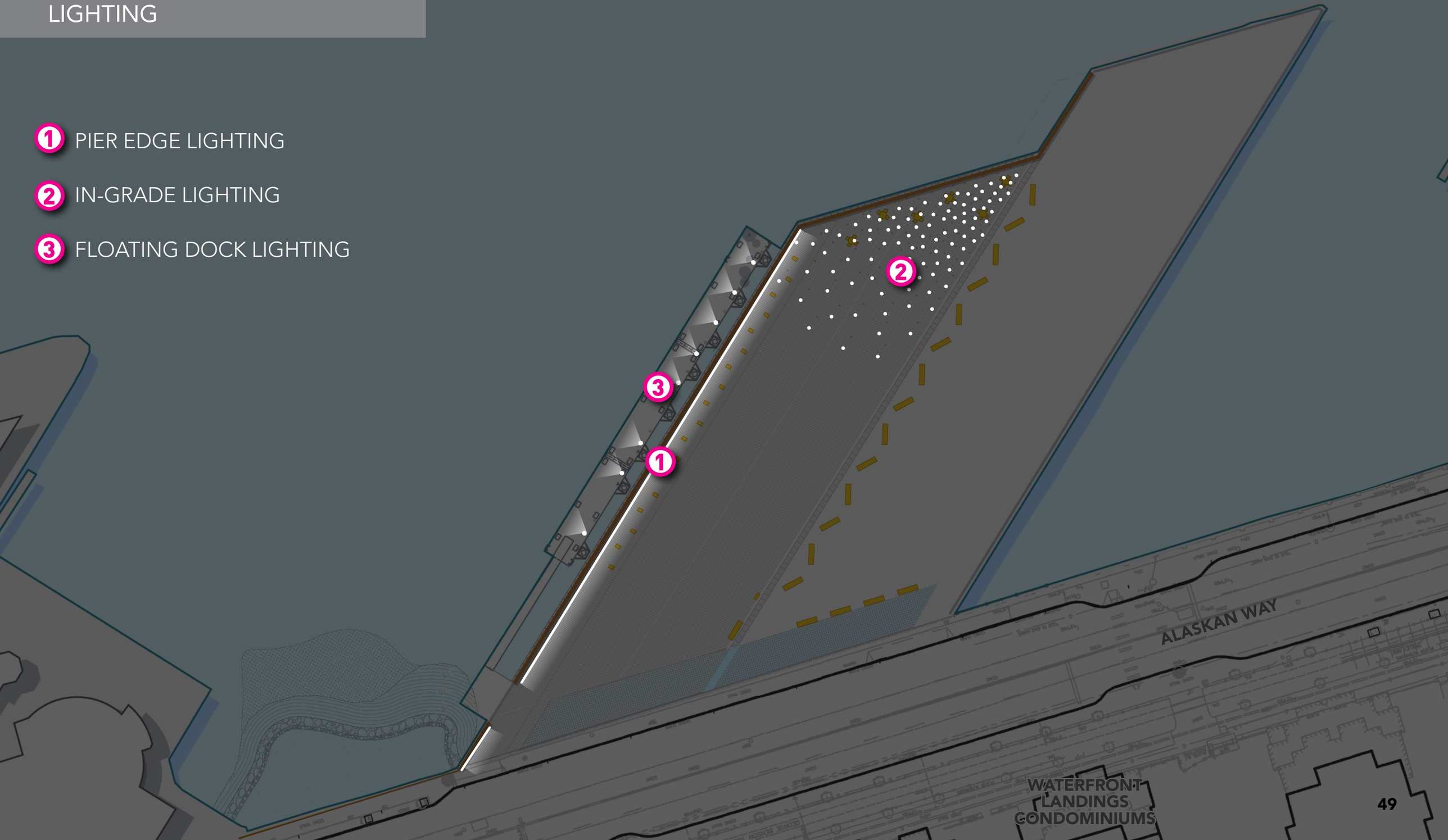

PLAN
1/2"=1'-0"

**KEY PLAN**

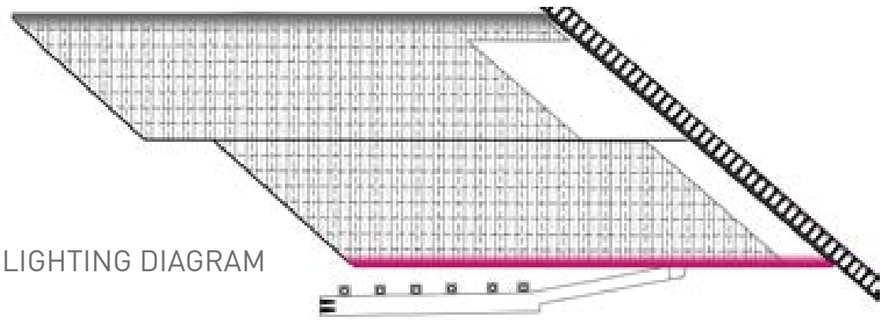
# PIER 62 REBUILD
## MOVABLE TABLES AND CHAIRS

# PIER 62 REBUILD
## LIGHTING

1. PIER EDGE LIGHTING
2. IN-GRADE LIGHTING
3. FLOATING DOCK LIGHTING



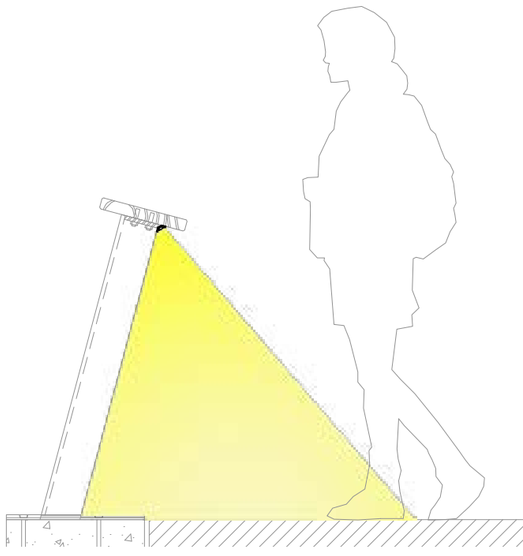
# PIER 62 REBUILD
## PIER EDGE LIGHTING



LIGHTING DIAGRAM

Proposed edge lighting will be utilized at the South edge of Pier 62 and the North edge of Pier 63 (in the future). This approach reinforces wayfinding paths while revealing the length and depth of the Pier structure. In addition, the edge lighting approach enhances nighttime safety and security on these structures. The Western edge of the Pier is purposefully left non-illuminated allowing occupants to take in the unobstructed nighttime view of the Sound.

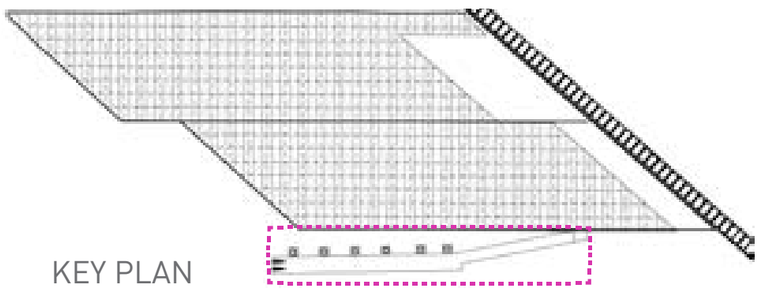
PRECEDENTS



HANDRAIL SECTION

# PIER 62 REBUILD
## IN-GROUND LIGHTING

# PIER 62 REBUILD
## FLOATING DOCK LIGHTING



KEY PLAN

Boat launch lighting provides safe travel from Pier 62 to the waters edge. Illuminated handrail is proposed to light the ramp and in-grade or recessed lights provide lighting on surface of the landing.

# PUBLIC ART PROGRAM

## ELLIOTT BAY SEA WALL: LAURA HADDAD

# PUBLIC ART PROGRAM

PIER 62: STEPHEN VITIELLO

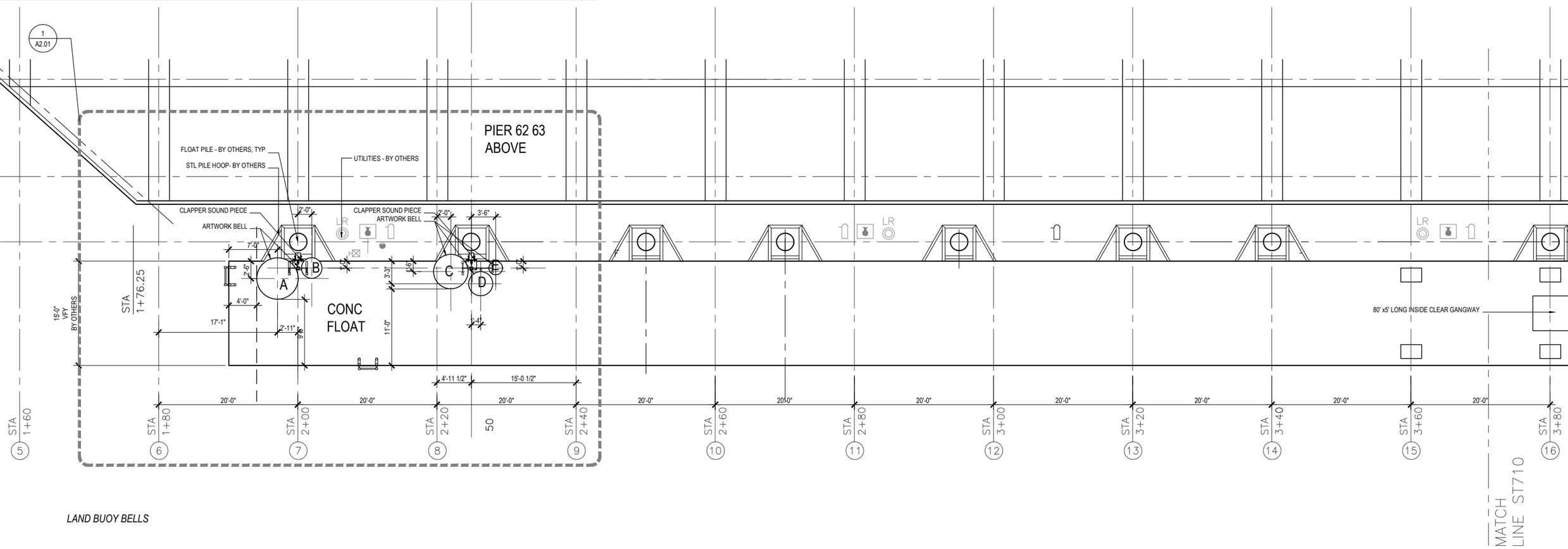
## FLOATING DOCK: LAND BUOY BELLS

The concept is to create a sound piece with found objects that is activated by waves and tides.

***Land Buoy Bells*** **concept drawing**

# PUBLIC ART PROGRAM

## PIER 62: STEPHEN VITIELLO




*LAND BUOY BELLS*

The proposal is to create 5 sculptural instruments, to be installed on the pool barge dock structure.

The buoy bells will be fabricated using re-purposed metal tanks of various diameters ranging from 28" to 72." The tanks will be cut and the natural base shapes will become bell-like instruments. Each buoy bell will be anchored to the dock by the yoke to meet local code requirements. The bells will have weep holes at the lower base to allow for the rainwater and waves to fill them and slowly weep out the pool of water within. The bell sounds become augmented with the water level and is an intentional part of the piece. The rim of the bells would be touch-friendly and have a sealed finish to withstand the ocean air and avoid rusting. A maintenance plan should be considered.

The idea is to work with found materials and discover tones and relative pitch relationships, rather than to try to sculpt "perfect" instruments. It is also important that there is some randomness to how the instruments are played, in terms of intensity and combination/clusters Two gizmo clappers mounted to the frames of the Piers will strike the bells as the dock rises and lowers with the tides. To offer a few more working notes:

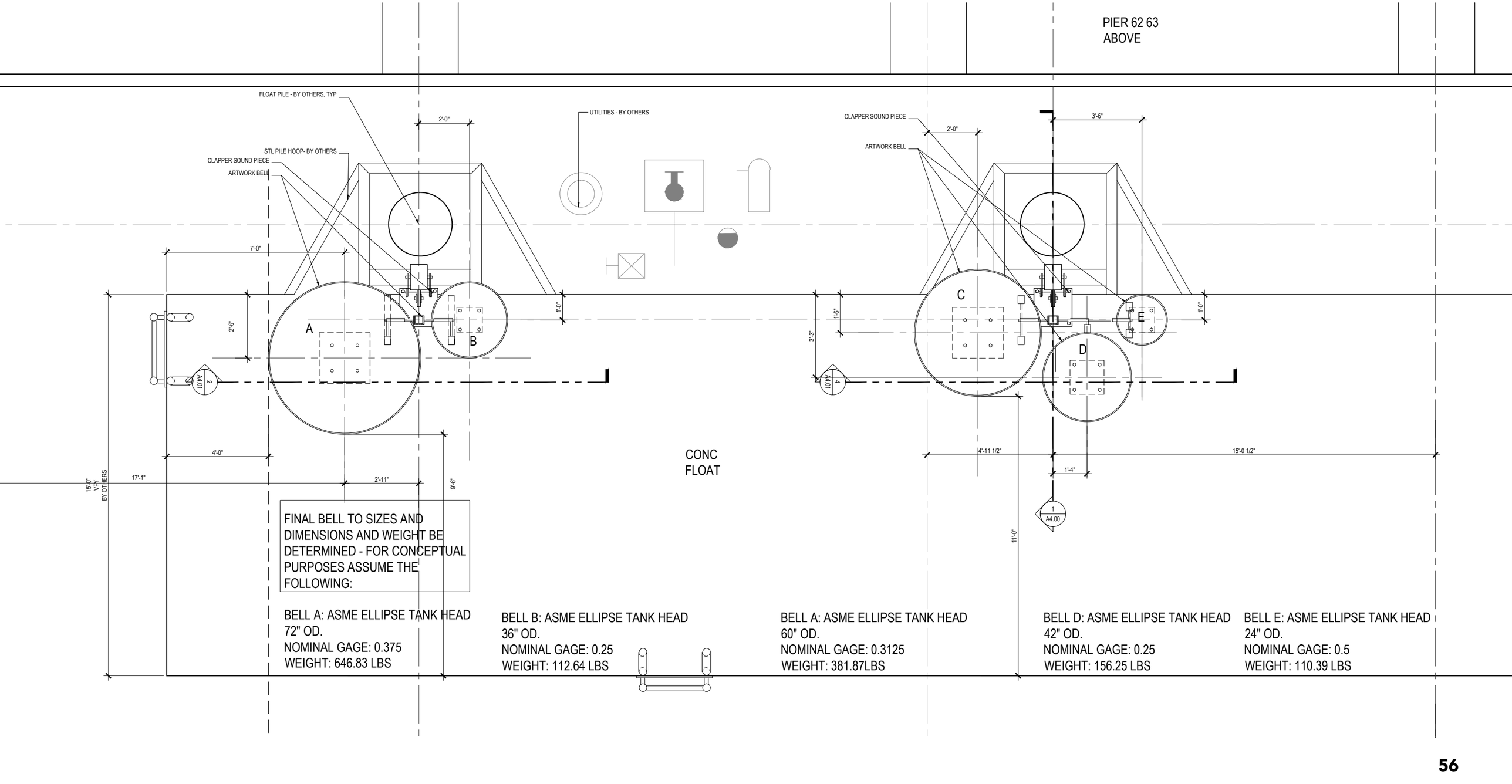
There will be a visual and sonic connection to minimalism. There is a considered connection to John Cage's early percussion pieces, including his percussion ensemble developed at the Cornish College of the Arts in the late 1930s. The intent is to create a sonic as well as visual presence and ideally, create something that people can bring their own references to.

The tension of the striker should be strong enough that the buoy bells will not always be heard. It should never be a constant, but more of a notable moment when it happens (sounds).

LEGEND

- FIRE STAND PIPE
- FIRE EXTINGUISHER AND CABINET
- DRAIN VALVE
- FLEXIBLE HOSE
- HOSE BIBB
- LR — LIFE RING
- FDC — FIRE DEPARTMENT CONNECTION
- W — WATER LINE
- F — FIRE LINE

# PUBLIC ART PROGRAM
## PIER 62: STEPHEN VITIELLO




FINAL BELL TO SIZES AND DIMENSIONS AND WEIGHT BE DETERMINED - FOR CONCEPTUAL PURPOSES ASSUME THE FOLLOWING:

BELL A: ASME ELLIPSE TANK HEAD
72" OD.
NOMINAL GAGE: 0.375
WEIGHT: 646.83 LBS

BELL B: ASME ELLIPSE TANK HEAD
36" OD.
NOMINAL GAGE: 0.25
WEIGHT: 112.64 LBS

BELL A: ASME ELLIPSE TANK HEAD
60" OD.
NOMINAL GAGE: 0.3125
WEIGHT: 381.87LBS

BELL D: ASME ELLIPSE TANK HEAD
42" OD.
NOMINAL GAGE: 0.25
WEIGHT: 156.25 LBS

BELL E: ASME ELLIPSE TANK HEAD
24" OD.
NOMINAL GAGE: 0.5
WEIGHT: 110.39 LBS

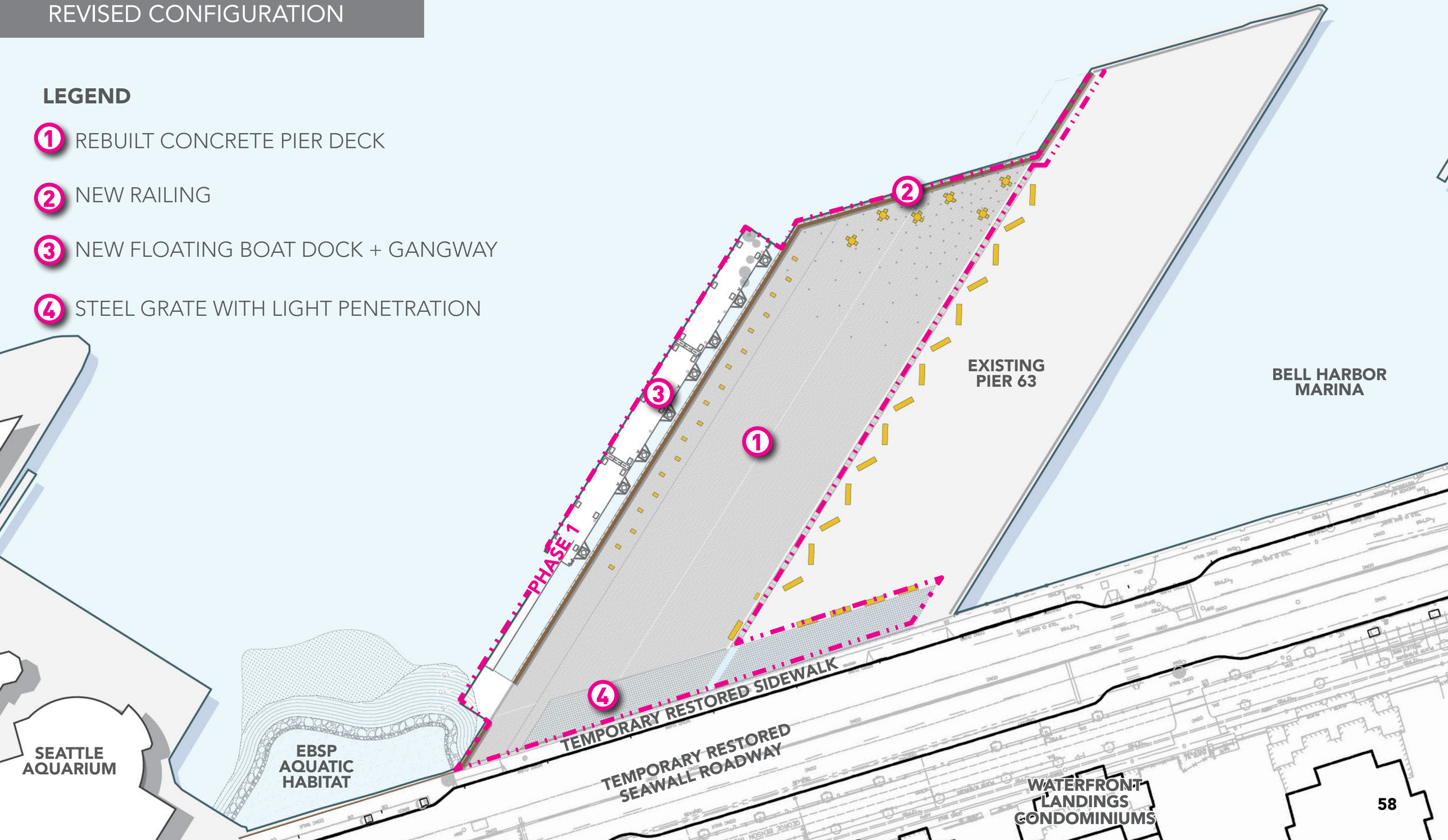
# PUBLIC ART PROGRAM

PIER 63: ANN HAMILTON

# PIER 62 REBUILD
## REVISED CONFIGURATION

**LEGEND**

1. REBUILT CONCRETE PIER DECK
2. NEW RAILING
3. NEW FLOATING BOAT DOCK + GANGWAY
4. STEEL GRATE WITH LIGHT PENETRATION



END