OCEAN PAVILION 90% DESIGN

SEATTLE DESIGN COMMISSION AUGUST 20TH, 2020

OCEAN PAVILION

SPEAKERS

MARK REDDINGTON - LMN Architects

COLLEEN ECHOHAWK - Headwater People

BEN FRANZ-KNIGHT - SOJ

ANDREW TEN BRINK - James Corner Field Operations

VALERIE SEGREST - Tribal Cultural Plant Specialist

OSAMA QUOTAH - LMN Architects

SUSAN BULLERDICK - Seattle Aquarium

HOLLY D. GOLDEN - HCMP

OCEAN PAVILION

AGENDA

INTRODUCTION

- Seattle Aquarium Conservation Mission
- Multidisciplinary/multicultural team
- Community engagement
- Coast Salish tribal involvement
- Public Art

APPROACH

- Natural History of the Land and Water
- Waterfront Seattle Public Open Space
- Seattle Aquarium Conservation Mission

BACKGROUND

- Summary of 60% SDC approval and feedback
- Integration with Central Waterfront and Overlook Walk
- Public Circulation
- Ocean Pavilion Roof/Open Spaces
- Ocean Pavilion

90% DESIGN

AQUARIUM ROOF / OPEN SPACES

- MT Tahoma to the Salish Sea
- Overview
- Paving
- Furnishing
- Planting
- Exterior Lighting

OCEAN PAVILION

- Conservation mission/Aquarium campus
- Program organization
- Sustainability
- Integration with Waterfront / Urban Context
- Experience and Materials
- Public art program

INTRODUCTION

- Seattle Aquarium Conservation Mission
- Multi-disciplinary/multicultural team
- Community engagement
- Coast Salish tribal involvement
- Public Art

SEATTLE AQUARIUM MISSION

MISSION STATEMENT



"Inspire Conservation of Our Marine Environment"

CONNECTING TO COMMUNITY



Educating ocean leaders: more than 45,000 school children visit annually.



Accessible to all: 350+ partner organizations distributing more than 70,000 free tickets.



Community conversations: 85,000 conversations each year by staff and volunteers on local beaches, rivers and streams.

INSPIRING LEADERS



A premier destination: with over 850,000 visitors reached and inspired each year.

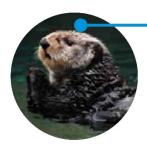


The best animal care: providing a window into 7,000 unique marine species.



An aquarium of people: each year volunteers provide 100,000+ hours of service, with more than a third by youth.

EFFECTING CHANGE



Critical research: leaders in species-related research, population tracking and the monitoring of ecosystems.



Conservation action: working to reduce ocean plastics, promote sustainable seafood and encourage climate resilience.



partnering to promote pro-ocean public policy, protecting endangered species and environmental health.

MULTIDISCIPLINARY / MULTICULTURAL TEAM

PROCESS

HEADWATER PEOPLE CONSULTING

ANNE HAMILTON SDOT DAN FRIDAY

COAST SALISH AND TRIBAL CONSULTANTS LMN PCA

ORCA JACOBS FRIENDS OF THE WATERFRONT STANTEC

DRAGON FLY SEATTLE AQUARIUM ANDY AIKEN, NATIONAL AQUARIUM

OFFICE OF THE WATERFRONT PAE GREENBUSH MILLER HULL

THINC
STUDIO PACIFICA
ASIA TAIL
ANCHOR QEA

JCFO

TURNER JMB CONSULTING HLB

MKA

TBD CONSULTANTS DARKLIGHT SHANNON WILSON GREENBUSH

LAND MORPHOLOGY

MANNY EZCURRA, MONTEREY AQUARIUM

VALERIE SEGREST

HOFFMAN

OCEAN PAVILION COMMUNITY PROCESS

PROCESS

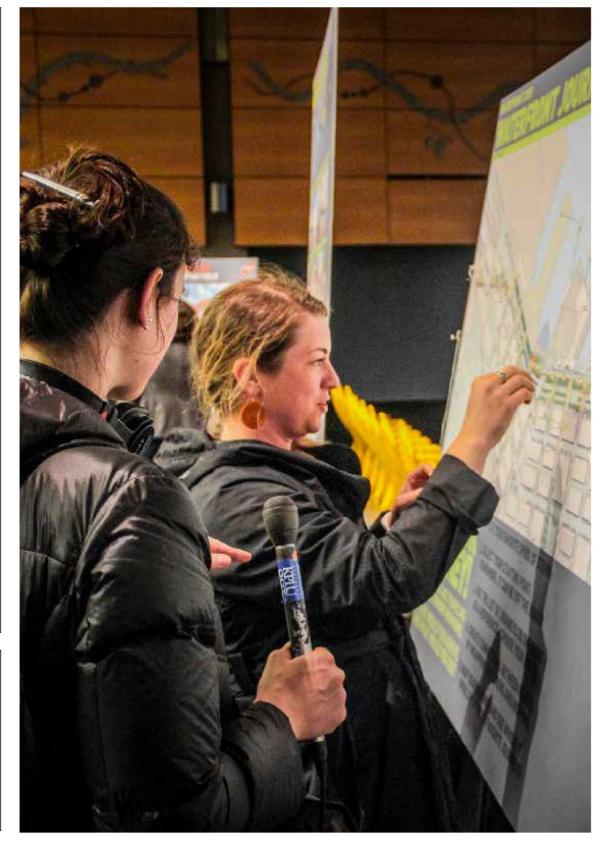
	APR 1	Master Plan process meeting
2014	JUN 19	Public hearing & review by SDC
	MAR 1 TO JUN 30, 2015	Aquarium presents to Downtown and Waterfront community

	MAY 18	Initial briefing to City Council Select Committee on Waterfront
	JUN 9	Draft Master Plan published
	JUN 16	Aquarium hosts Public Open House
15	JUL 13	Second public meeting
2015	AUG 3	Resolution passed unanimously by City Council to approve Master Plan
	OCT 8 TO PRESENT	Master Plan and Ocean Pavilion project information posted publicly
	OCT 30	Public Hearing by the Select Budget Committee
	NOV 16	Select Budget committee passes SDOT Seattle Aquarium Expansion MOU

2016	JUL 21	Public hearing and review by SDC
7	SEP 21	Public hearing by Parks, Seattle Center, Libraries, and Waterfront committee
2017	SEP 25	Full council passage of amended MOU to advance with Schematic Design

	APR 1	Scoping notifications published
	APR 19	Public hearing by SDC and Overlook Walk and Ocean Pavilion
	MAY 1 TO PRESENT	Aquarium continues outreach to Downtown and Waterfront community
	MAY 7	Seattle Parks and Rec and SEAS publish initial scoping notice for EIS
	MAY 7 TO MAY 28	Public invited to comment during scoping period
	MAY 24	Public scoping meeting
2018	JUL 18	Public hearing by the Civic Development, Public Assets, and Native Communities Committee
	JUL 23	Full Council consideration and unanimous passage of ordinance
	AUG 9	Draft EIS notifications posted
	AUG 30	Notice of availability for published EIS
	AUG 30 TO OCTOBER 1	Public comment period open
	SEP 27	Public hearing
	NOV 18	Final EIS delivered to public

	FEB 2	Public open house
2019	DEC 4	Public hearing by Civic Development, Public Assets, and Native Communities Committee
	DEC 9	Full Council consideration and unanimous passage of funding and future construction agreement



HONORING PLACE

PROCESS

Welcome people from all over the world to participate - not merely observe

Acknowledge the Aquarium's location on Coast Salish land

Speak to the necessity of Indigenous knowledge for the future of our shared One Ocean

Storytelling as a shared experience that helps us imagine the world we want to live in

Mitakuye-Oyasin

All my relations, is a worldview of interconnectedness and oneness. All living things are connected. I cannot exist without you and you cannot exist without me. Everything we do has an effect on others and on our world.



COAST SALISH TRIBAL INVOLVEMENT

PROCESS

- Visits with the Tribes
- Workshops with Tribal Consultants
- Engagement with the Tribal Youth ISTEAM
- Experiencing and participating in Coast
 Salish events and ceremonies
- Creating Indigenous cultural connections with the Coral Triangle







WITNESSING: CULTURAL OUTREACH IN THE CORAL TRIANGLE

PROCESS

Relationship-building between peoples, between humans and marine life.

The role of **place and culture** can produce fertile ground for future conversations and points of connection.

Being in dialogue with cultural practices can expand public thinking about the **ocean**.

Living near the water doesn't necessarily mean having a relationship with the underwater.

Site-specific practice - creating constant reminders of our relationships with other "worlds."





COAST SALISH TRIBAL INVOLVEMENT

PROCESS

Programming and exhibit themes:

Welcoming

an invitation to enter and be part of a community, a movement, an Ocean Ethic

Migration

a migration of life that merges the local waters of the Salish Sea with the Coral Triangle

Witnessing

bearing witness to the work and sharing our stories and efforts in the conservation of the One Ocean

Integrated Coast Salish art

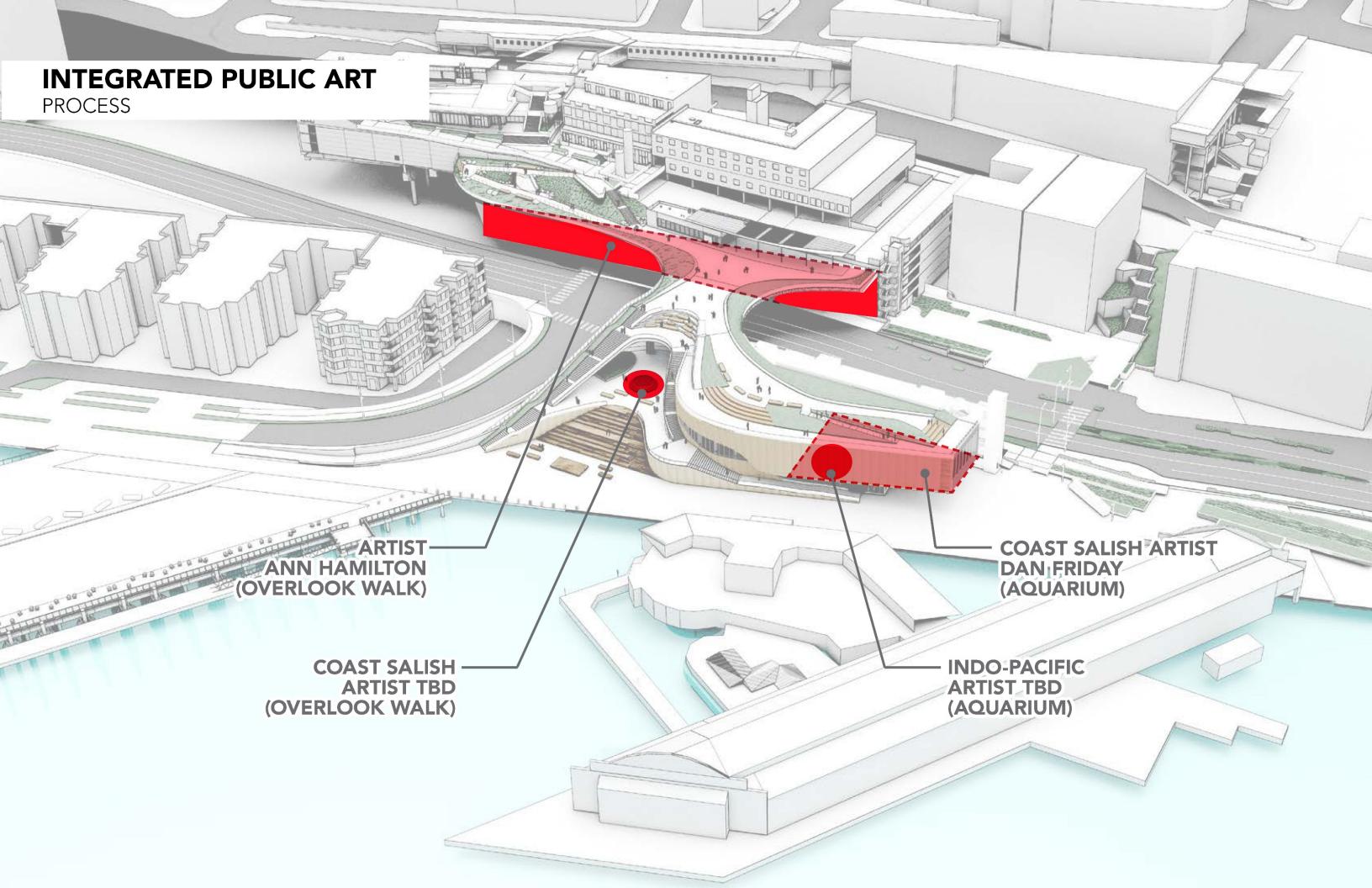
Indigenous Landscape

Material Treatments & Cultural Connections









APPROACH

- Natural History of the Land and Water
- Waterfront Seattle Public Open Space
- Seattle Aquarium Conservation Mission



"I don't believe in magic. I believe in the sun and the stars, the water, the tides, the floods, the owls, the hawks flying, the river running, the wind talking. They're measurements. They tell us how healthy things are."

- BILLY FRANK JR.

Nisqually advocate for Indian treaty rights and environmental stewardship



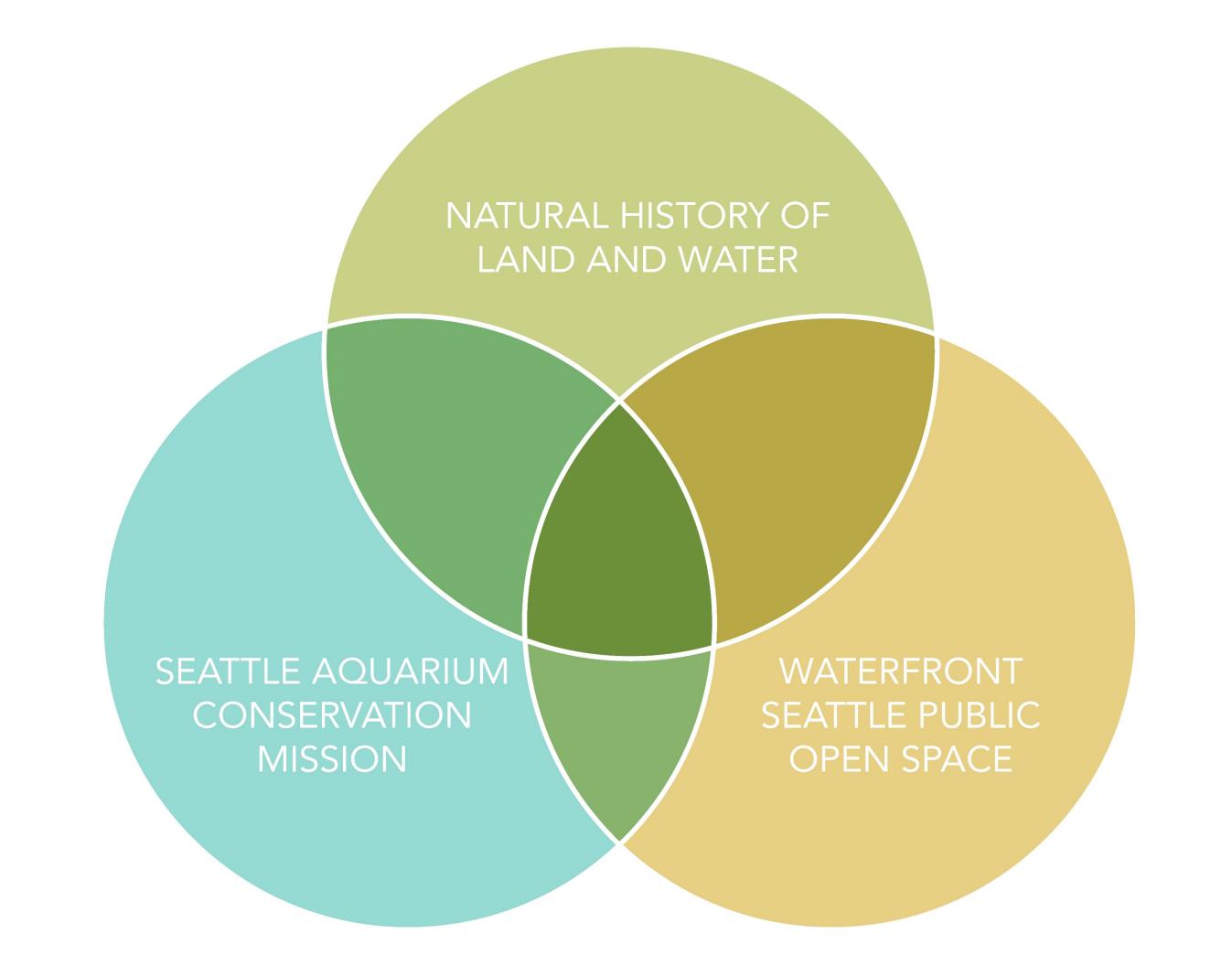
"Nothing else will matter if we fail to protect the ocean. Our fate and the ocean are one."

- DR. SYLVIA EARLE, National Geographic Explorer-in-Residence

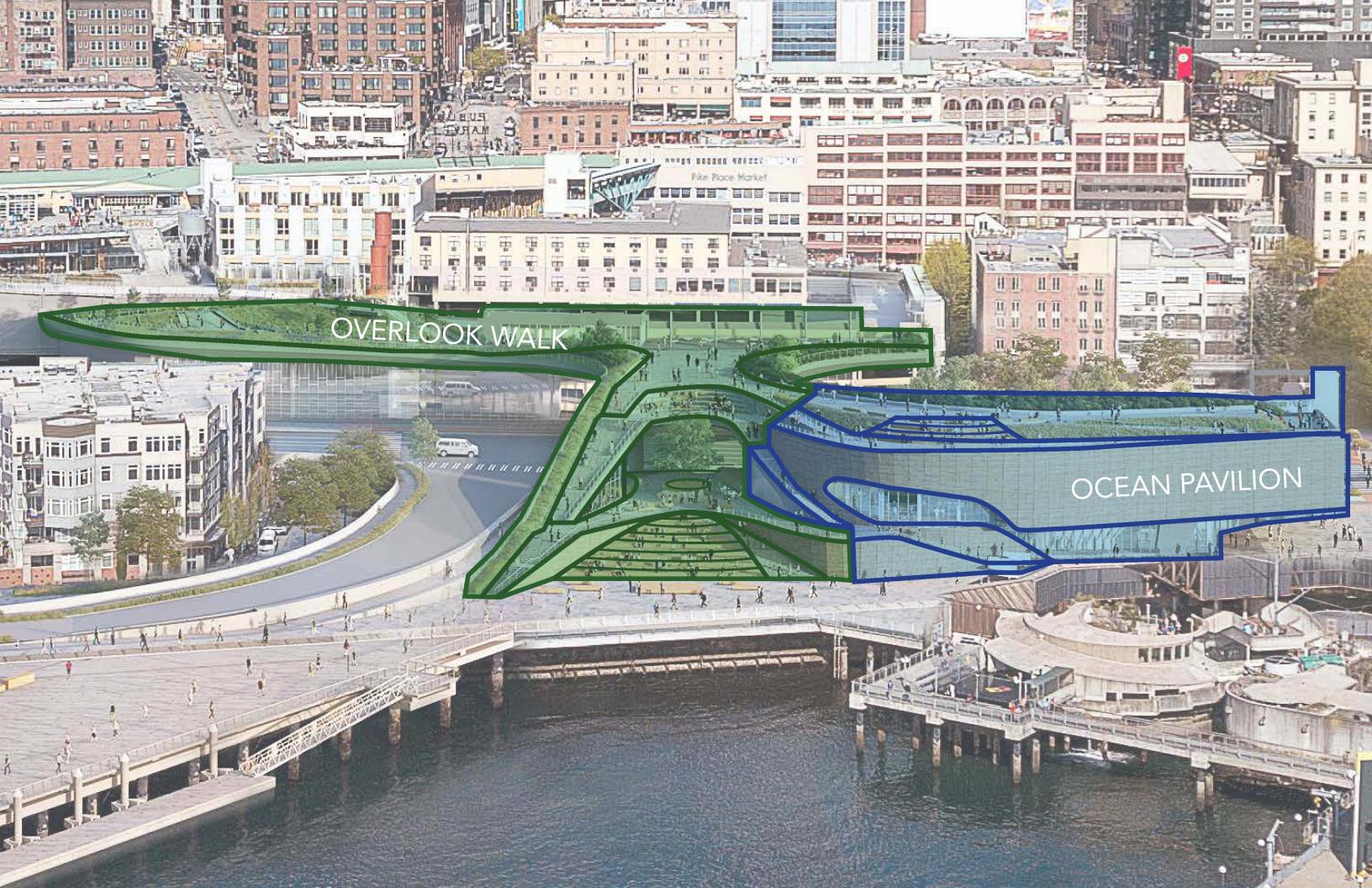
SEATTLE AQUARIUM CONSERVATION MISSION



HERO FOR THE PLANET







BACKGROUND

- Summary of 60% SDC Approval and Feedback
- Integration with Central Waterfront and Overlook Walk
- Public Circulation
- Ocean Pavilion Roof/Open Spaces
- Ocean Pavilion

OCEAN PAVILION

SUMMARY OF 60% SDC APPROVAL AND FEEDBACK

1. ART INTEGRATION

PROVIDE MORE DETAIL ON ART INTEGRATION IN DESIGNATED AREAS ABOVE THE OCEAN PAVILION PLAZA AND ALONG ELLIOTT WAY;

2. ELEVATOR DEMAND

PROVIDE ADDITIONAL INFORMATION ON THE ANTICIPATED DEMAND OF THE ELEVATOR LOCATED AT THE SOUTHEAST CORNER OF THE OCEAN PAVILION AND HOW THE TEAM EXPECTS TO MEET THAT DEMAND;

3. OPEN SPACE PROGRAMMING

CONTINUE TO REFINE THE IDEA OF THIS SITE PROVIDING A SPACE FOR HOSTING, MIXING OF CULTURES IN A WAY THAT IS EVIDENT TO USERS;

4. EASTERN FACADE

CONTINUE TO REFINE THE DESIGN OF THE EASTERN FACADE ALONG ELLIOT WAY;

5. ELEVATOR FORM AND EXPRESSION

CONTINUE TO STUDY THE FORM AND AESTHETIC OF THE ELEVATOR SHAFT AT THE SOUTHEAST CORNER OF THE BUILDING AS IT CONTINUES TO EVOLVE;

6. INTERPRETIVE PLANTING

CONTINUE TO THINK ABOUT WHAT ELEMENTS WITHIN THE INTERPRETIVE GARDEN ARE BEING INTERPRETED, WHY THEY ARE BEING INTERPRETED, AND HOW THAT WILL BE EXPERIENCED BY USERS.

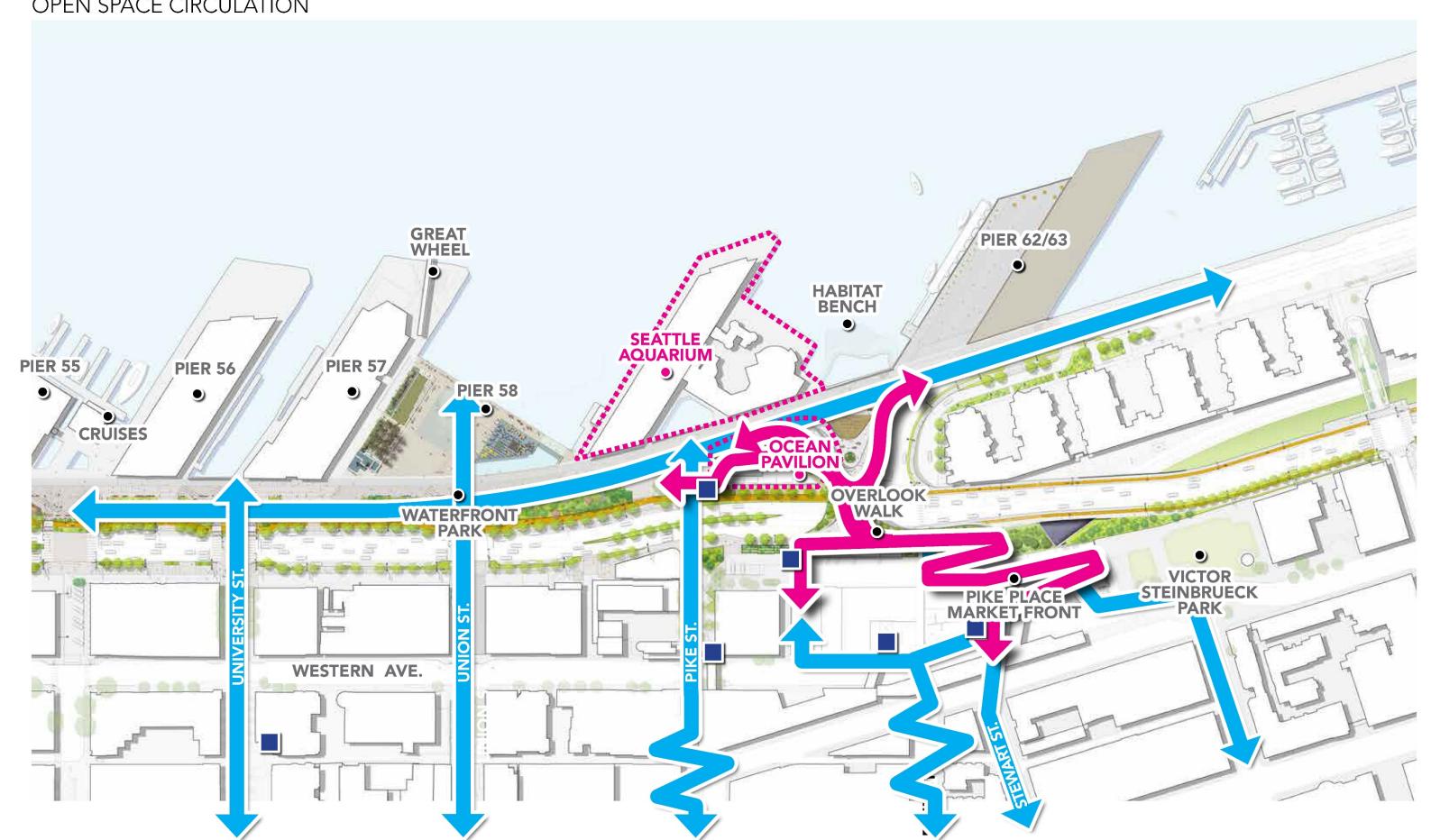
BACKGROUND

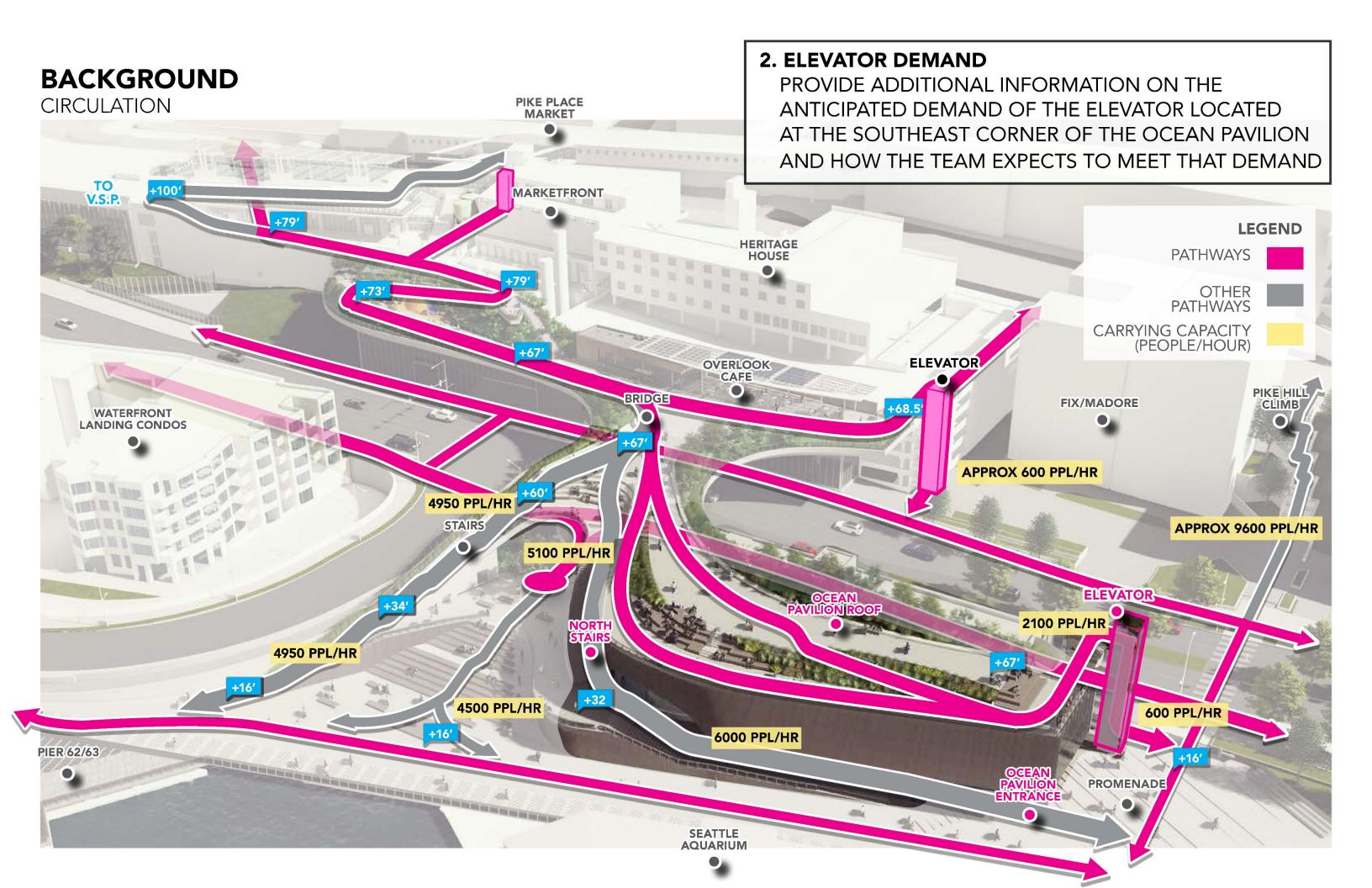
SEATTLE AQUARIUM



BACKGROUND

OPEN SPACE CIRCULATION





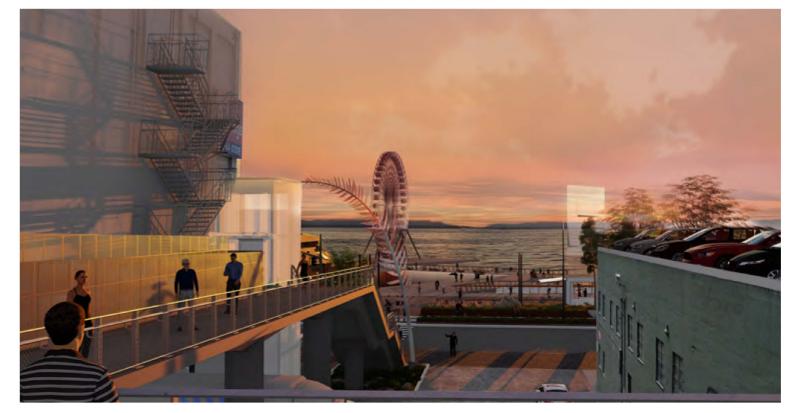


OCEAN PAVILION

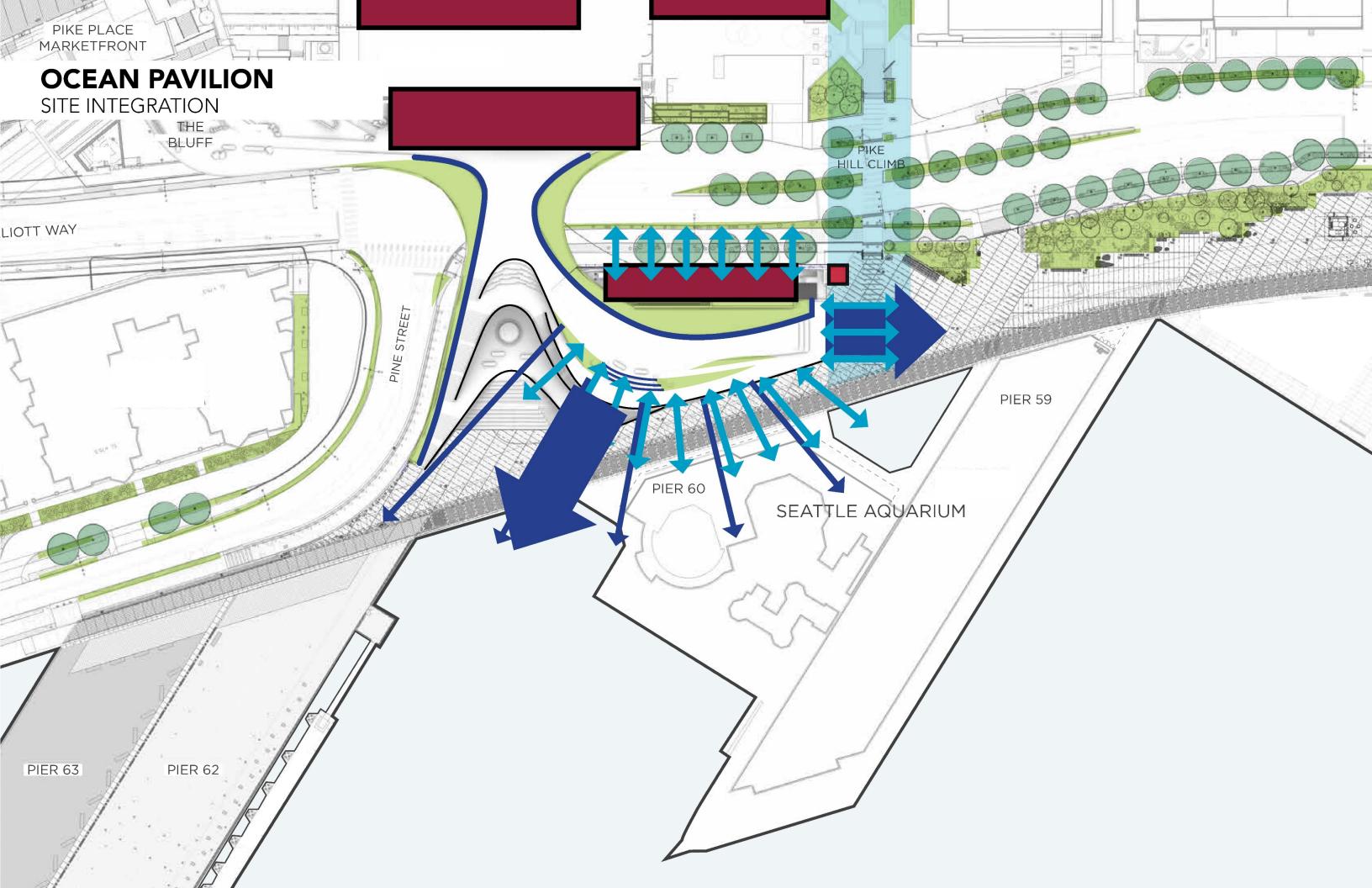
FORM AND MATERIAL PALETTE



















OCEAN PAVILION ROOF/ OPEN SPACES

- MT Tahoma to the Salish Sea
- Overview
- Paving
- Furnishing
- Planting
- Exterior Lighting

BACKGROUND PIKE PLACE MARKET PUBLIC OPEN SPACE MARKETFRONT HERITAGE HOUSE BLUFF WALK O CAFE + CANOPY FIX/MADORE PIKE HILL GLIMB BRIDGE WATERFRONT LANDING CONDOS WEST OVERLOOK OCEAN PAVILION ROOF NORTH STAIR 0 SALISH STEPS PROMENADE LANDING PIER 62/63 PROMENADE SEATTLE AQUARIUM



OCEAN PAVILION ROOF

UPLAND TO LOWLAND









YARROW



THIMBLEBERRY







WILDLIFE
aquatic invertebrates, fish, birds,
marine mammals















TREE NUTS



FORAGERS



SOILS/SUBSTRATEgravel, sand, silt, mud, rock, vegetation,
mineral nuterients

VEGETATIONwetland flora, halophytes, algae, phytoplankton

WILDLIFEaquatic invertebrates, fish, birds, marine mammals, lowland wildlife, bacteria

SOILS/SUBSTRATE gravel, sand, silt, mud, rock, vegetation

VEGETATION

riparian vegetation communities

WILDLIFE

birds, lowland wildlife

ROOTS

SOILS/SUBSTRATE gravel, sand, rock, soils, mineral nutrients, humus

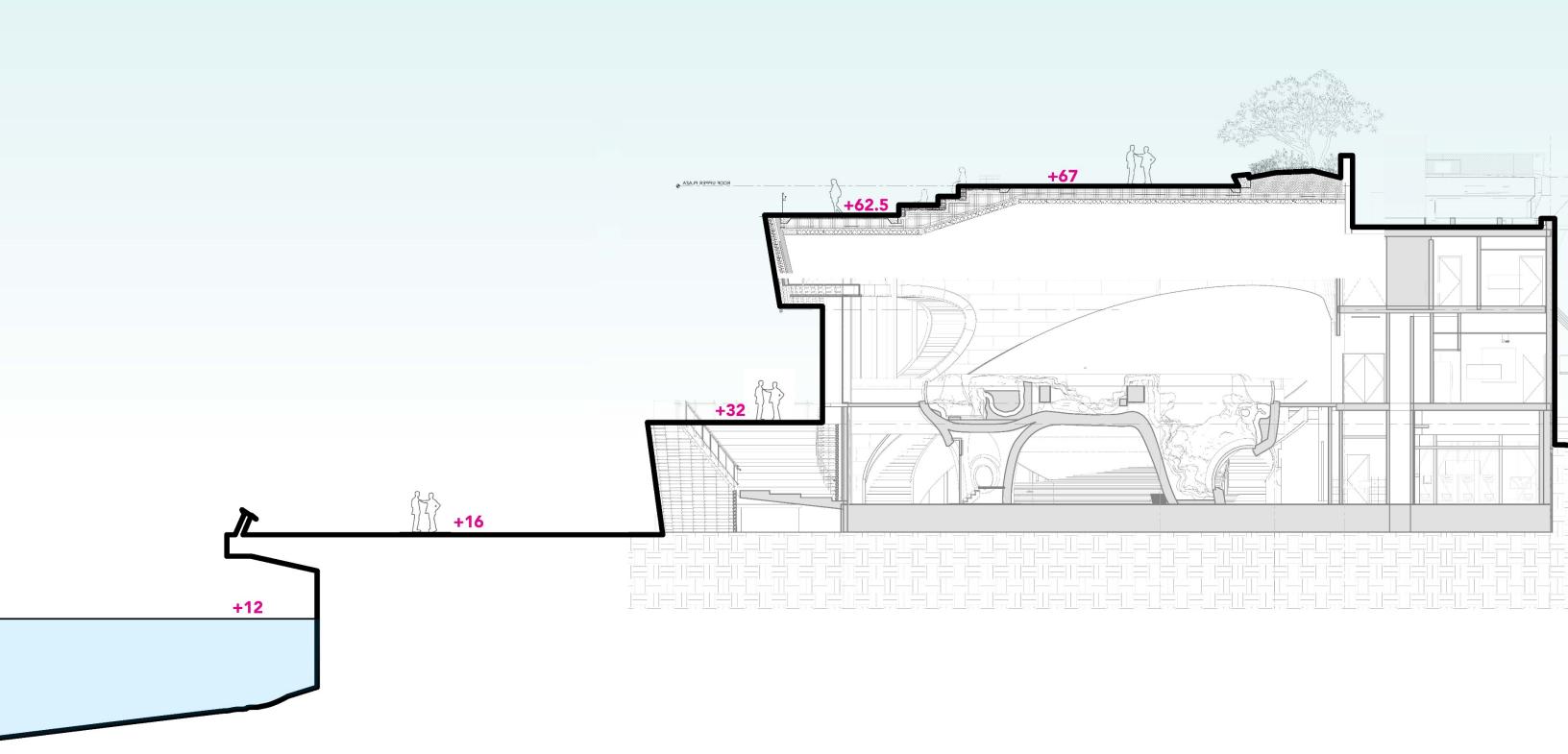
VEGETATIONTrees, shrubs, grasses

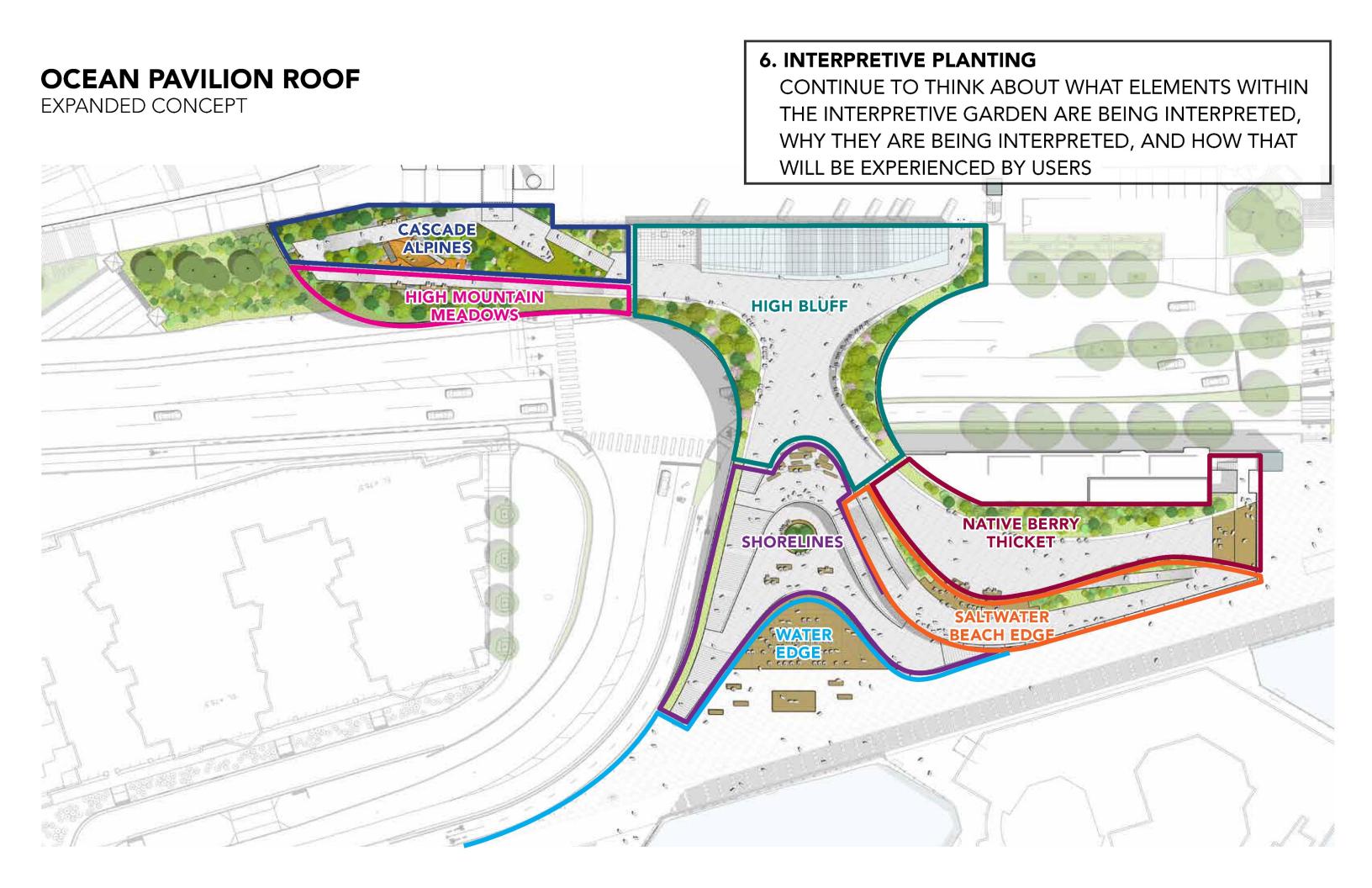
WILDLIFE

Insects, birds, mammals, reptiles, amphibians, bacteria, fungi

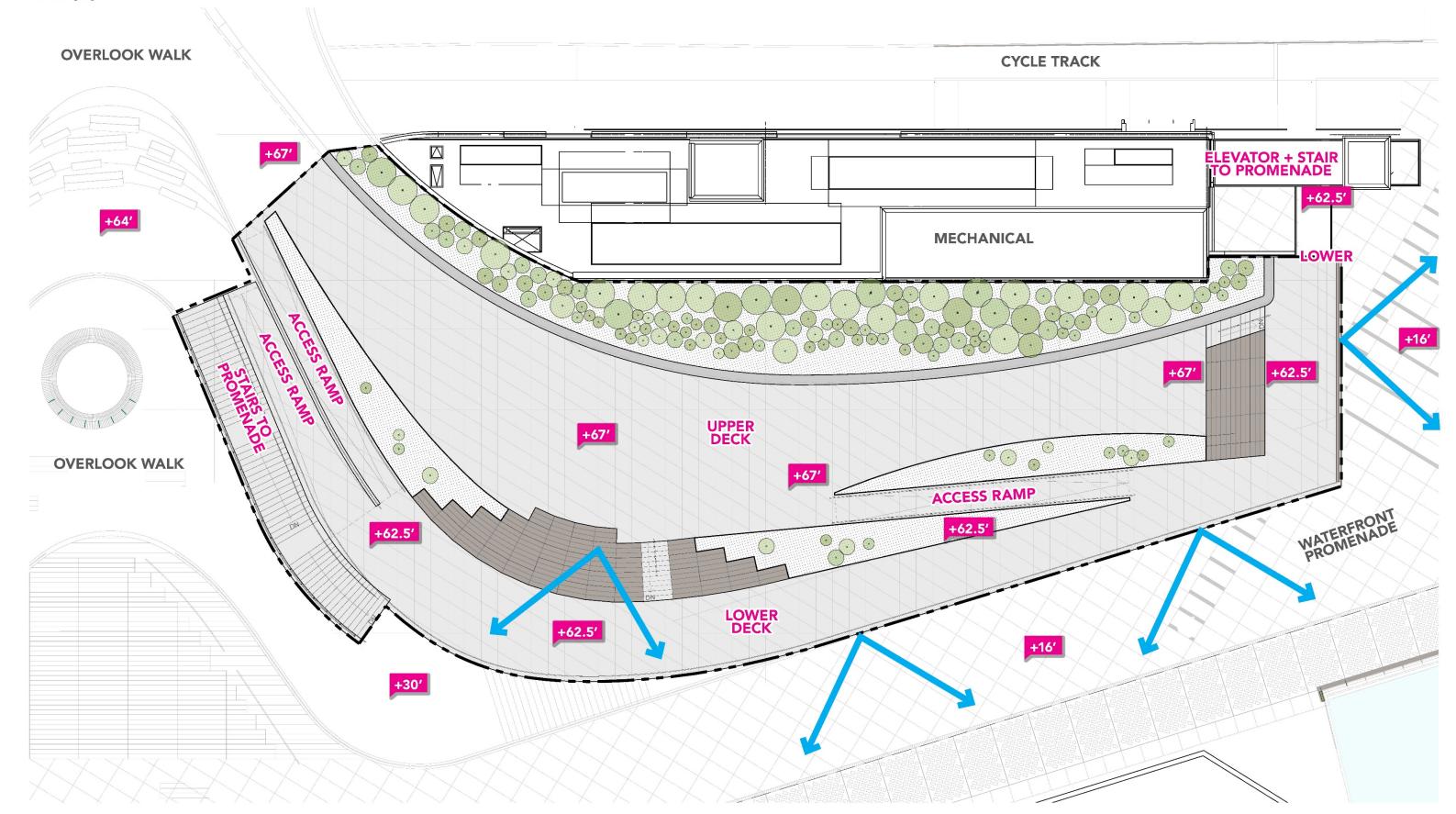
OCEAN PAVILION ROOF

UPLAND TO LOWLAND



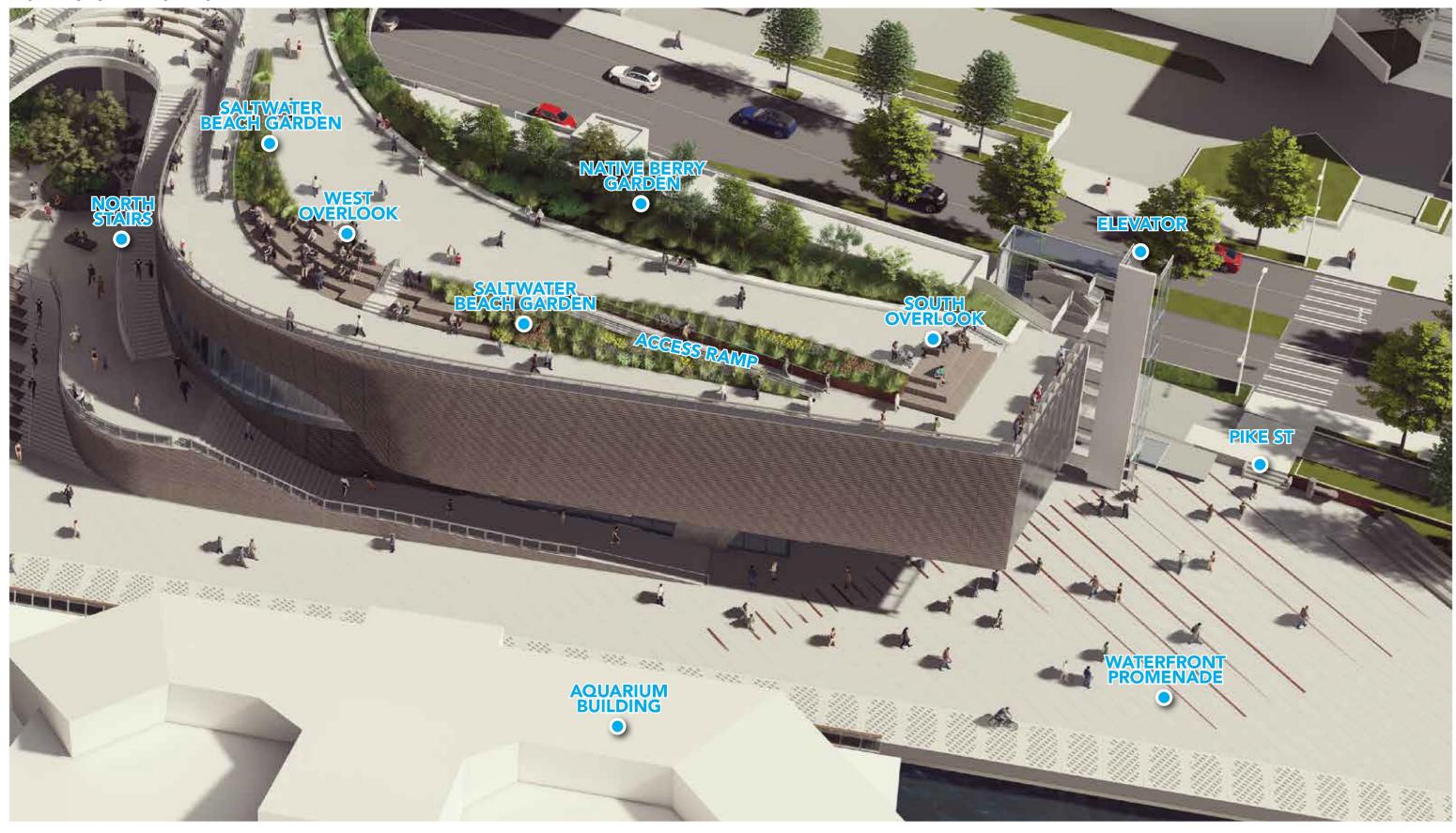


LAYOUT



3. OPEN SPACE PROGRAMMING **OCEAN PAVILION ROOF** CONTINUE TO REFINE THE IDEA OF THIS SITE **PROGRAM** PROVIDING A SPACE FOR HOSTING, MIXING OF CULTURES IN A WAY THAT IS EVIDENT TO USERS **OVERLOOK WALK** CYCLE TRACK **ELEVATOR MECHANICAL** NATIVE BERRY PLANTING SITTING + VIEWING **GATHERING + EVENTS GATHERING +** 00.00 **VIEWING OVERLOOK WALK** SALTWATER BEACH EDGE PLANTING

PUBLIC OPEN SPACE





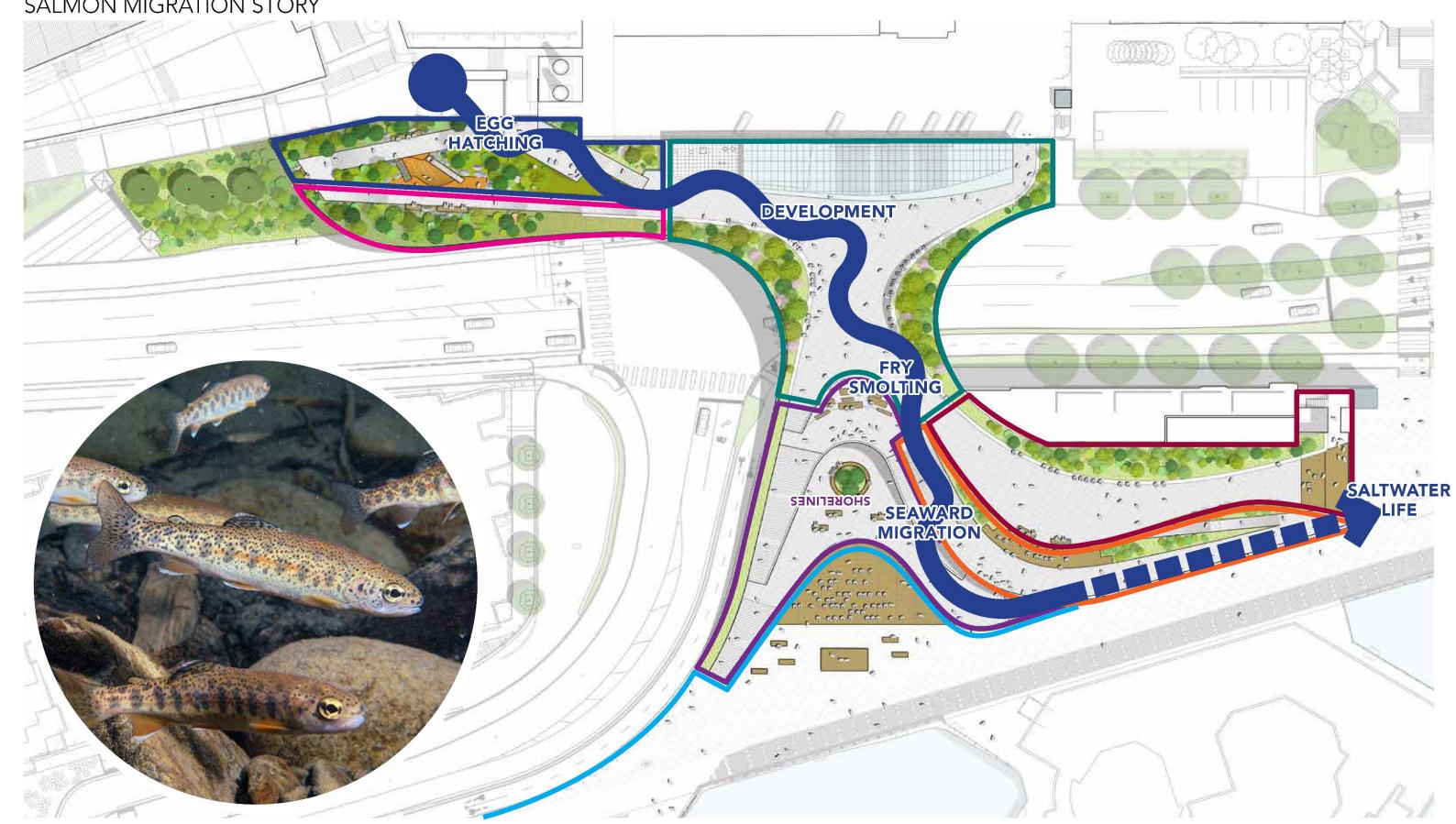




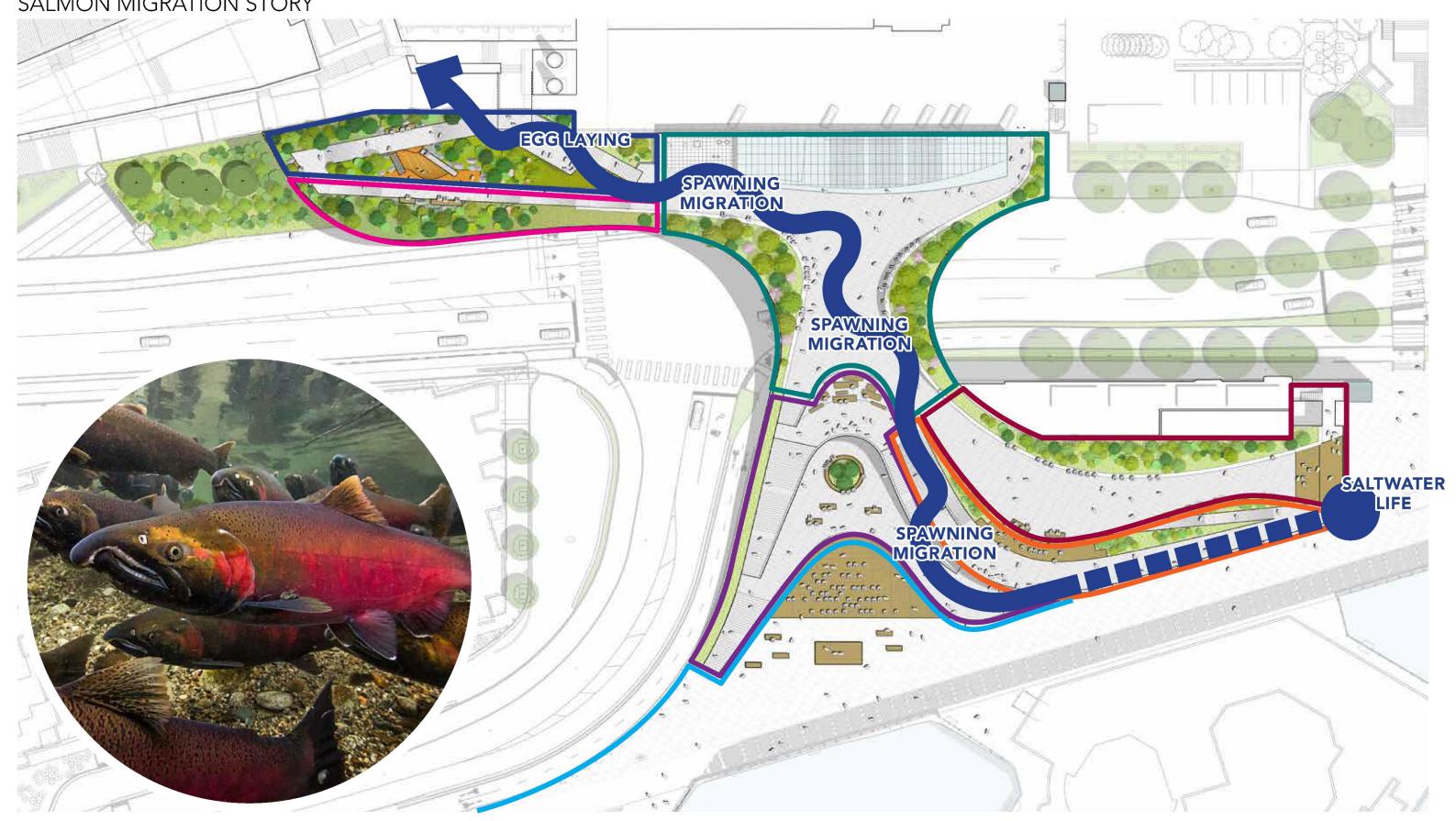


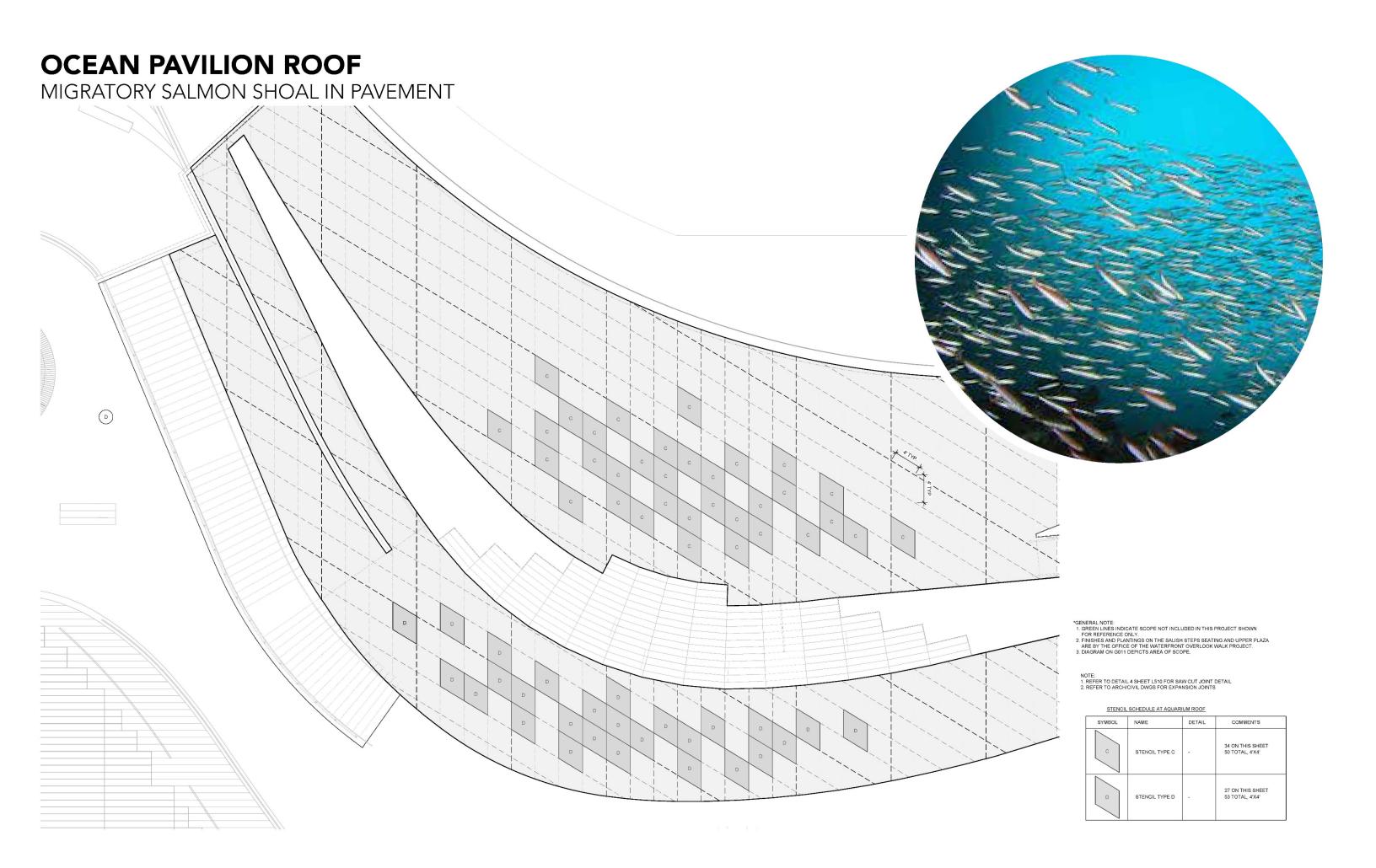
TELLING PEOPLE PLANTS WILDLIFE STORIES SALMON

SALMON MIGRATION STORY



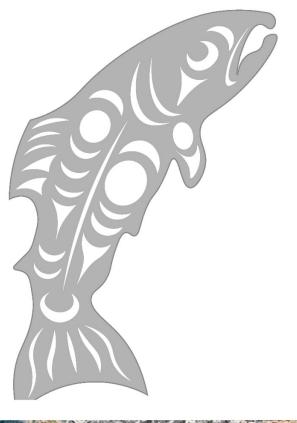
SALMON MIGRATION STORY

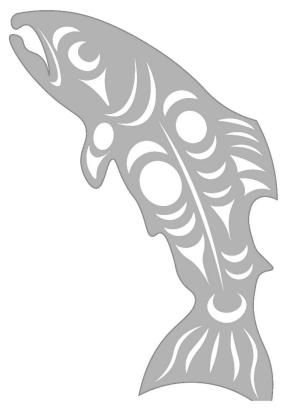




PETROGLYPHS AND SALMON



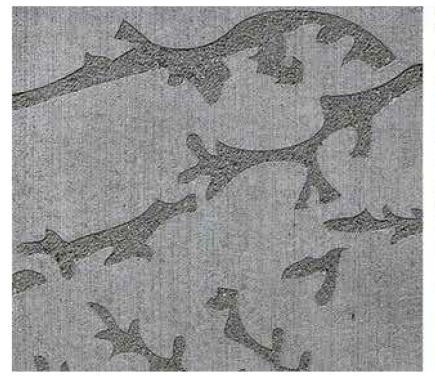






SANDBLASTING + ETCHING PRECEDENT: NICOLLET MALL, MINNEAPOLIS

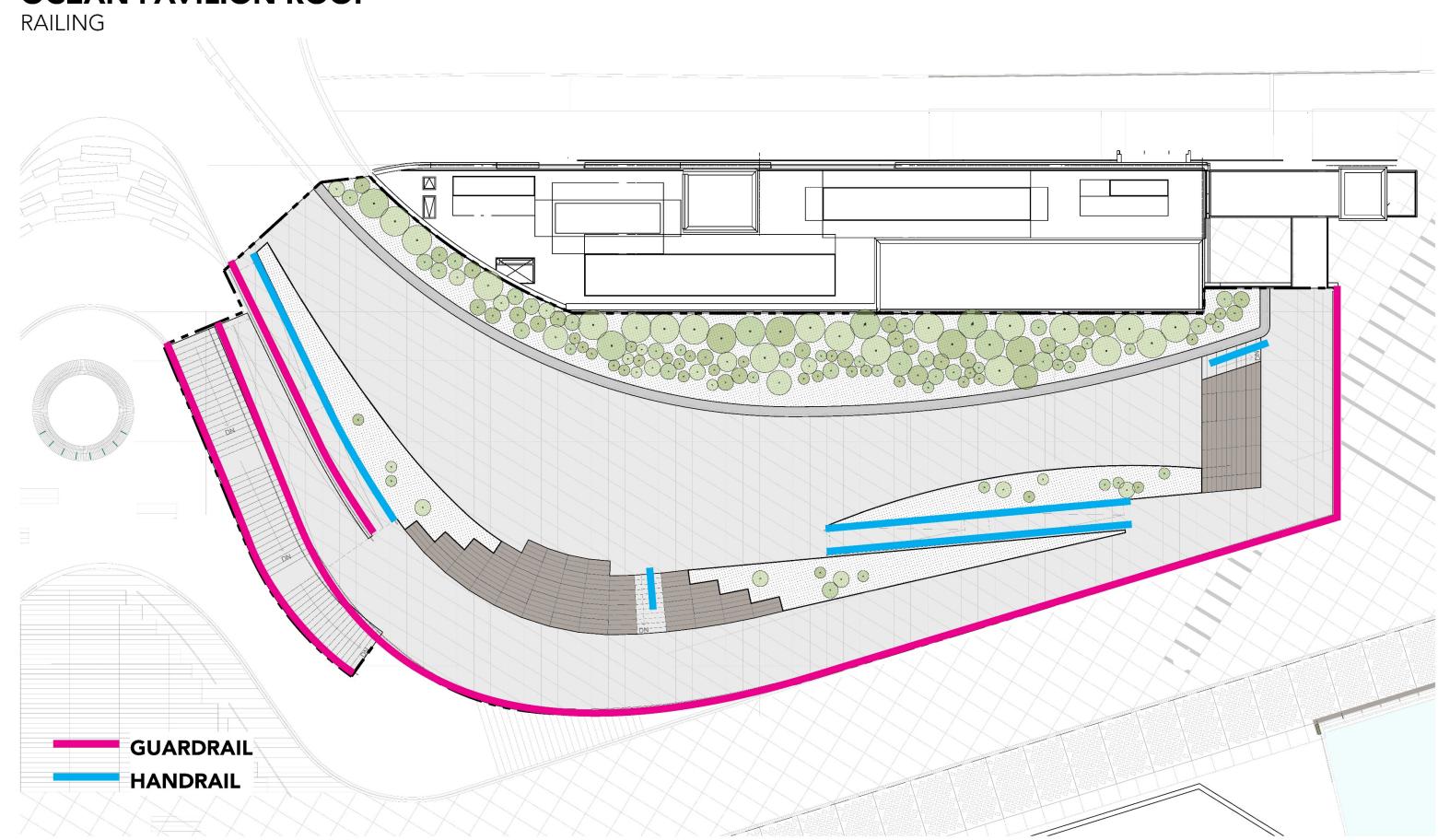






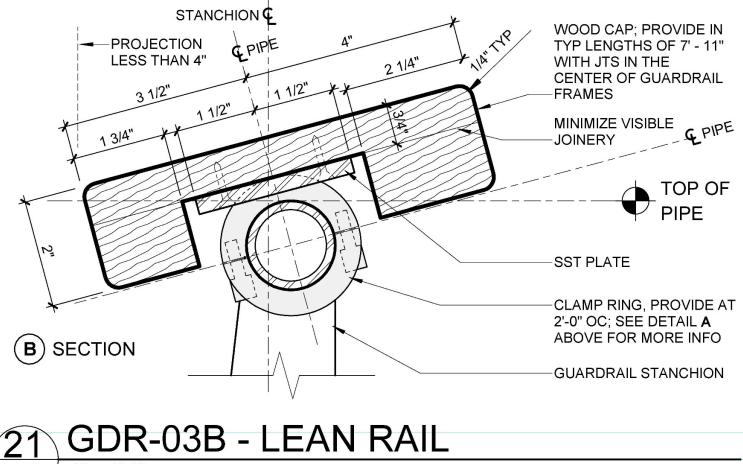






GUARDRAILS

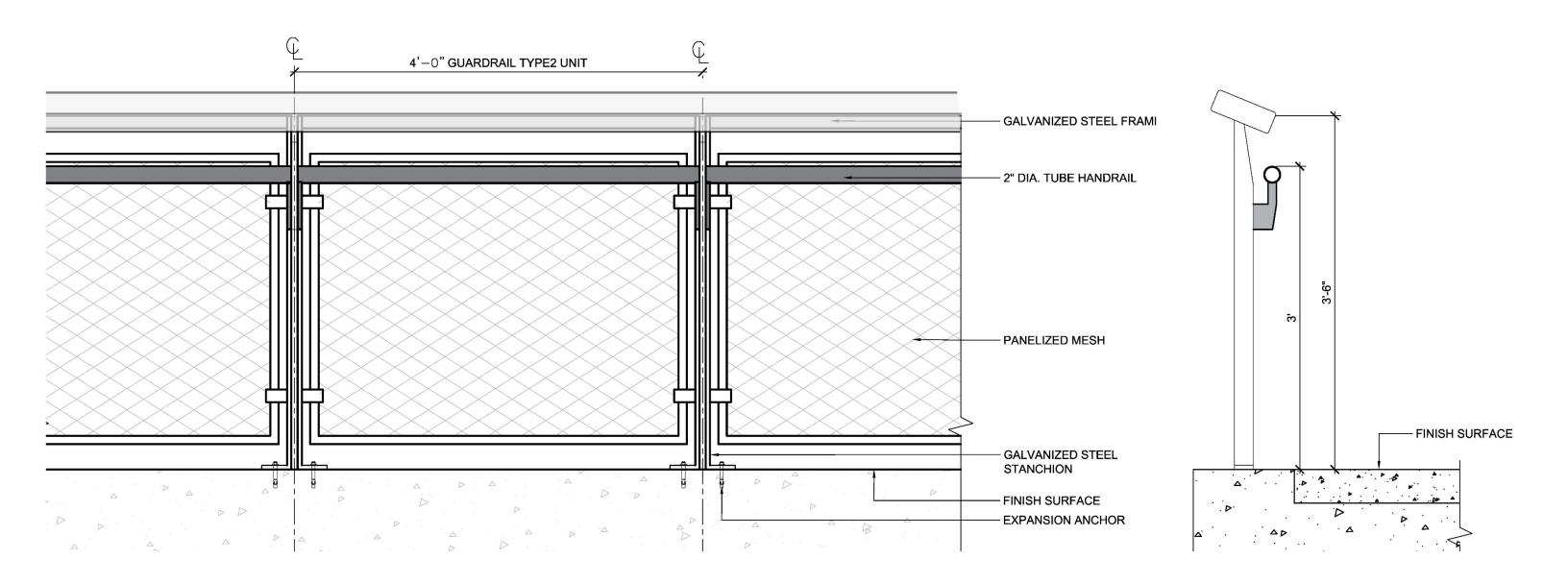


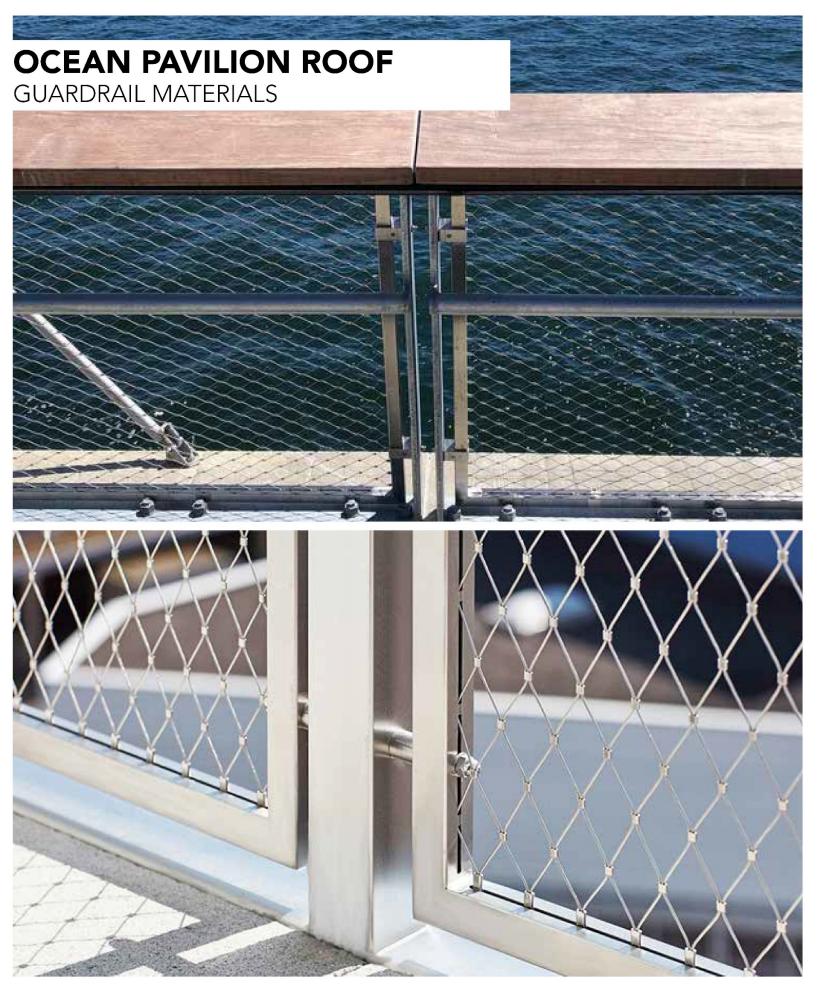


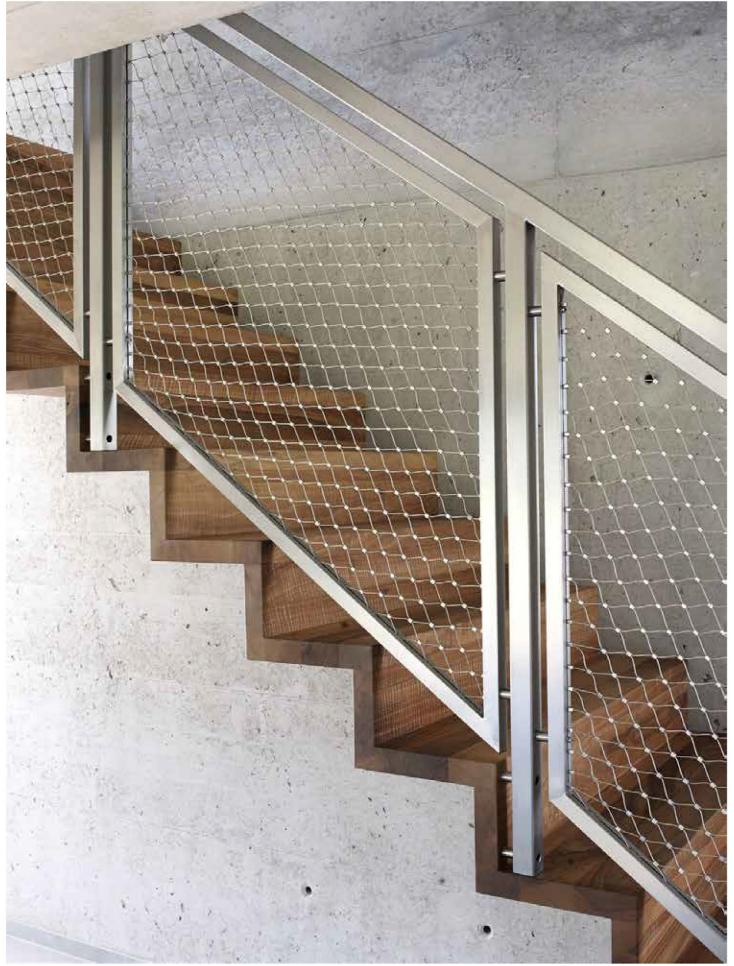
6" = 1'-0" A460/

CEDAR TOP RAIL

GUARDRAILS

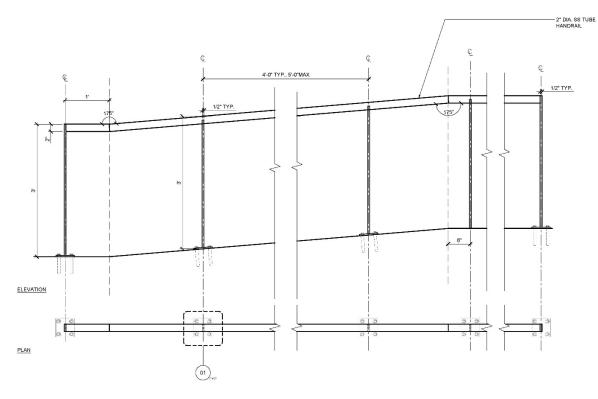




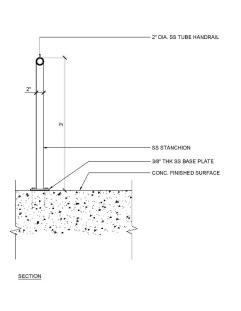


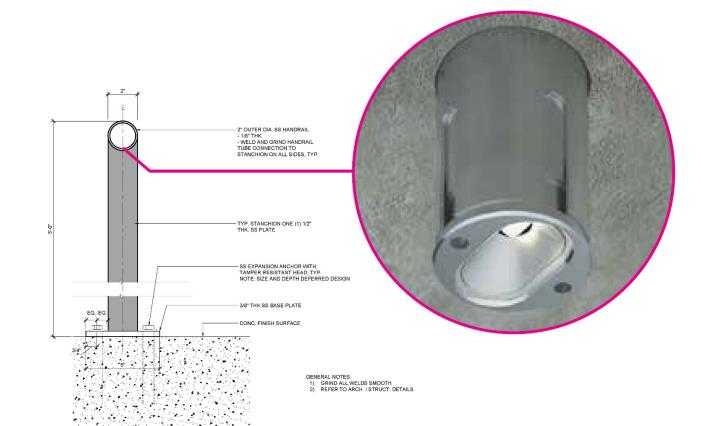


HANDRAILS DETAILS



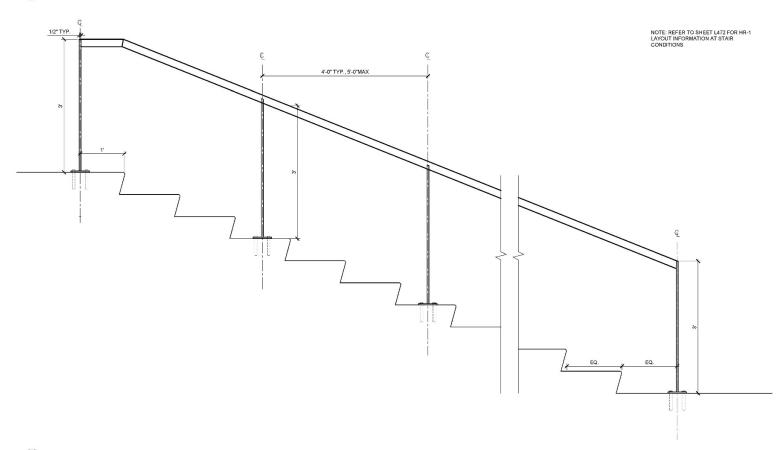


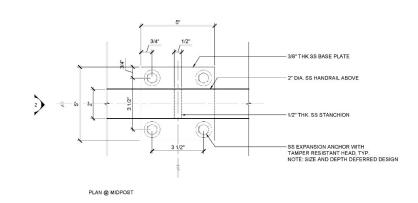




4 HR-1 RAMP HANDRAIL, TYP.

HR-1 HANDRAIL SECTION DETAIL, TYP.





GENERAL NOTES:

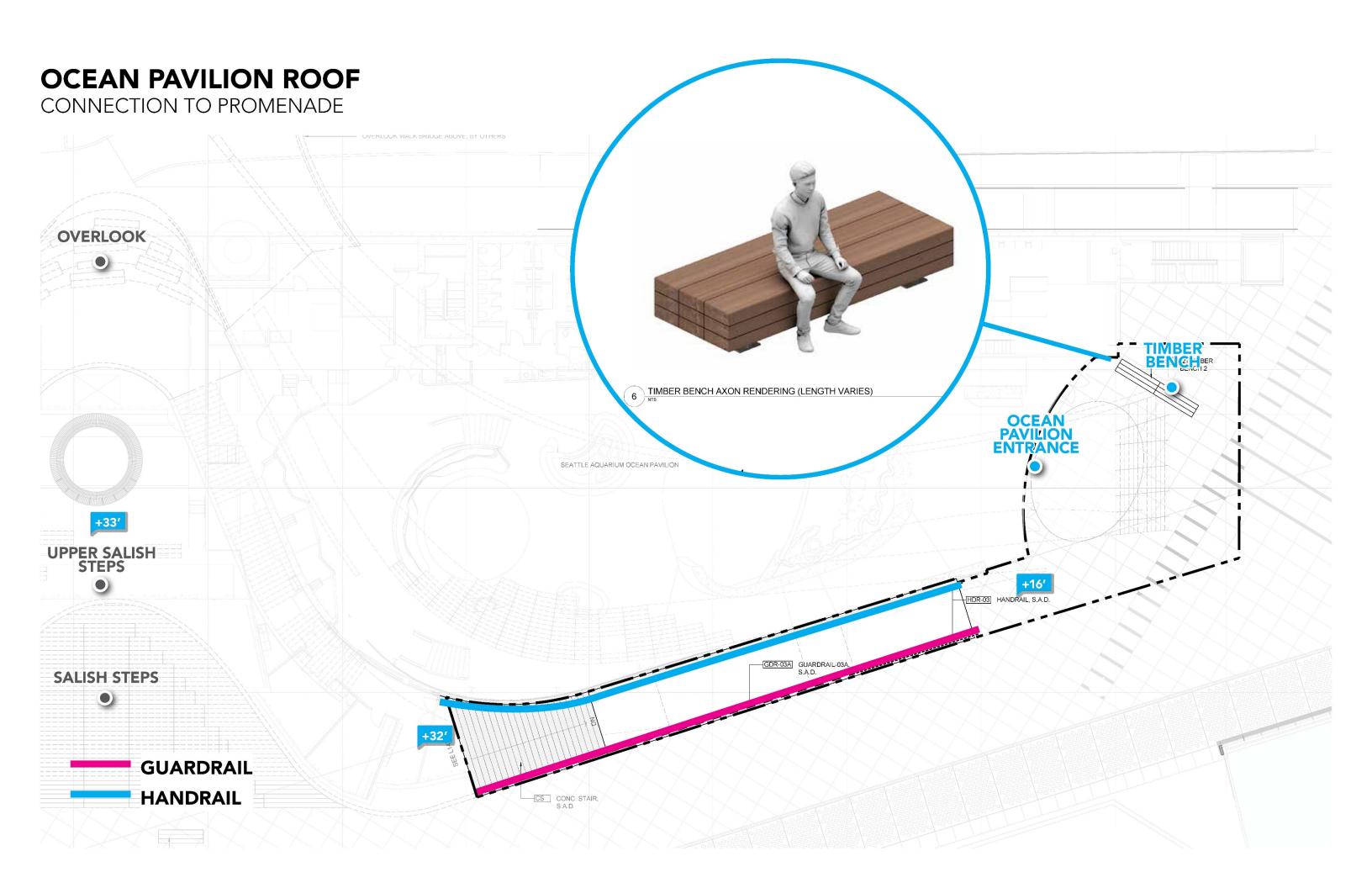
1) GRIND ALL WELDS SMOOTH

2) REFER TO ARCH. / STRUCT. DETAILS

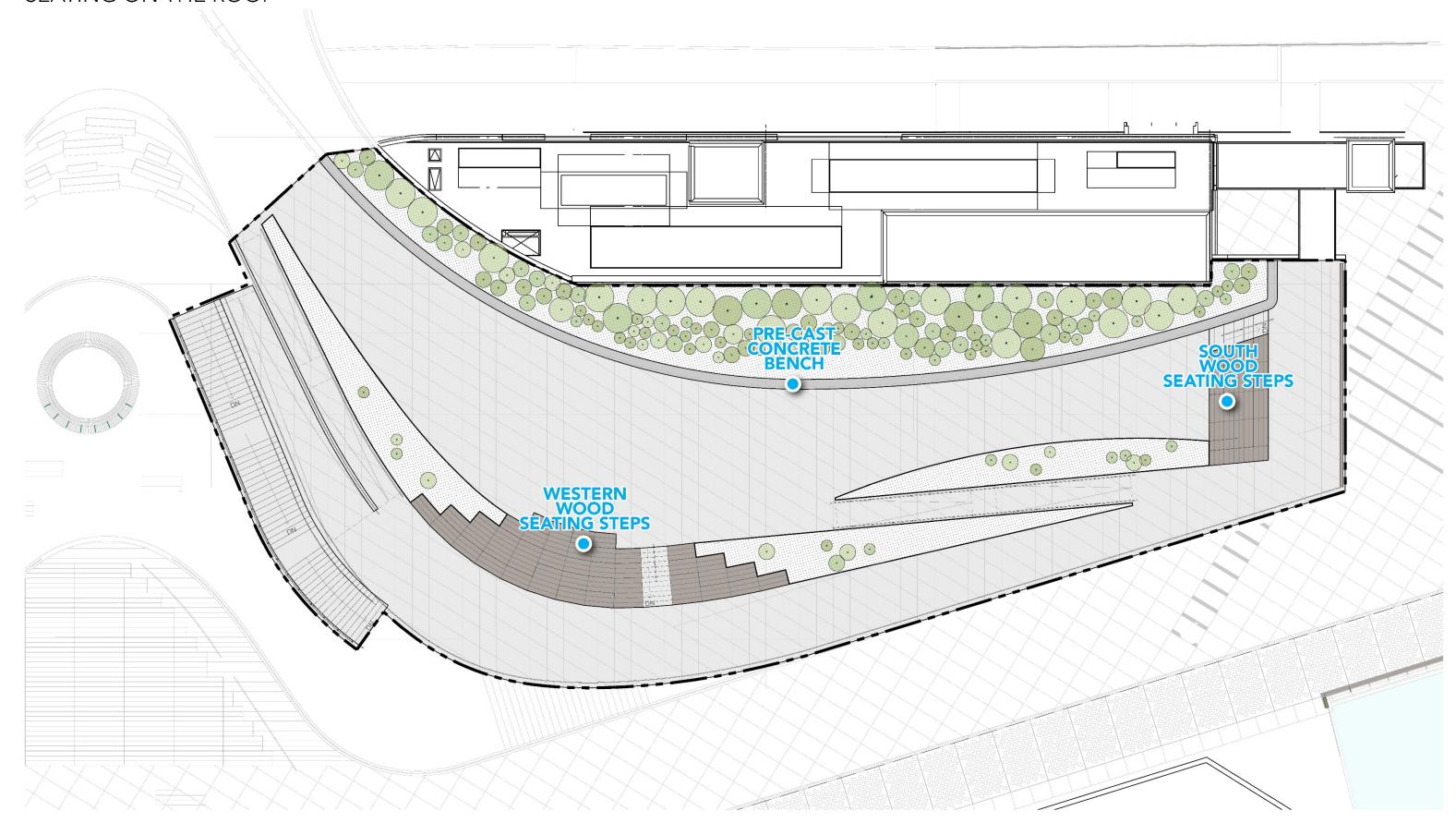
HR-1 HANDRAIL PLAN DETAIL, TYP.

3 HR-1 STAIR HANDRAIL ELEVATION, TYP.

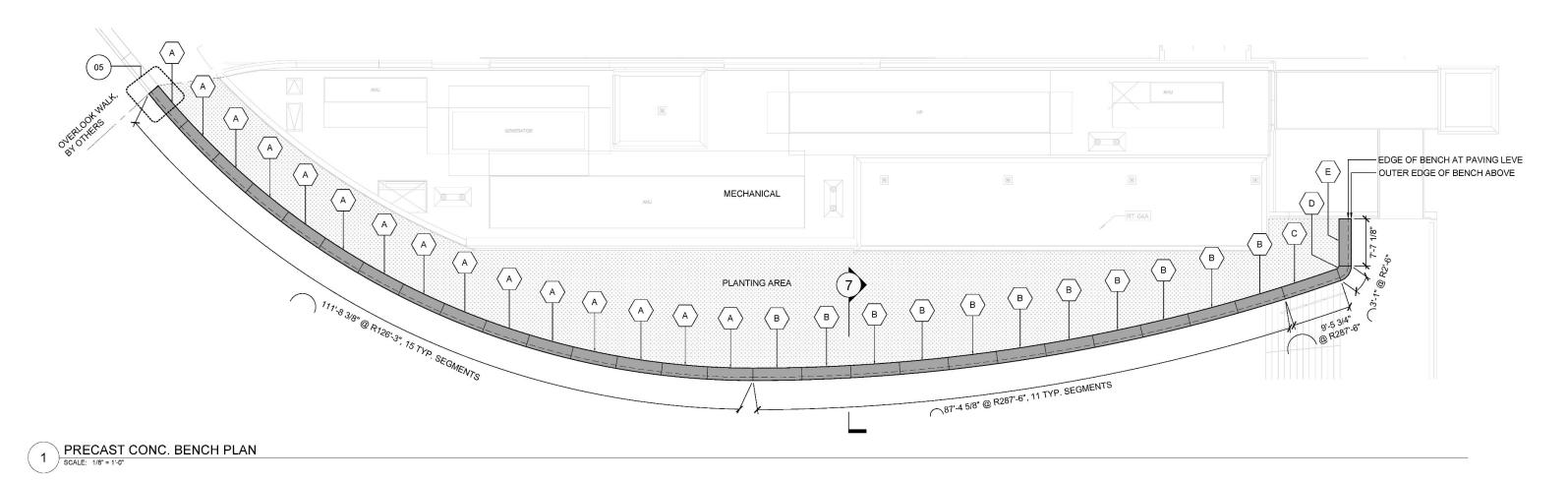
OCEAN PAVILION ROOF NORTH STAIRS +67' **OVERLOOK** OCEAN PAVILION ROOF +33' 00,0 UPPER SALISH STEPS **SALISH STEPS** 0 +16' **GUARDRAIL** HANDRAIL

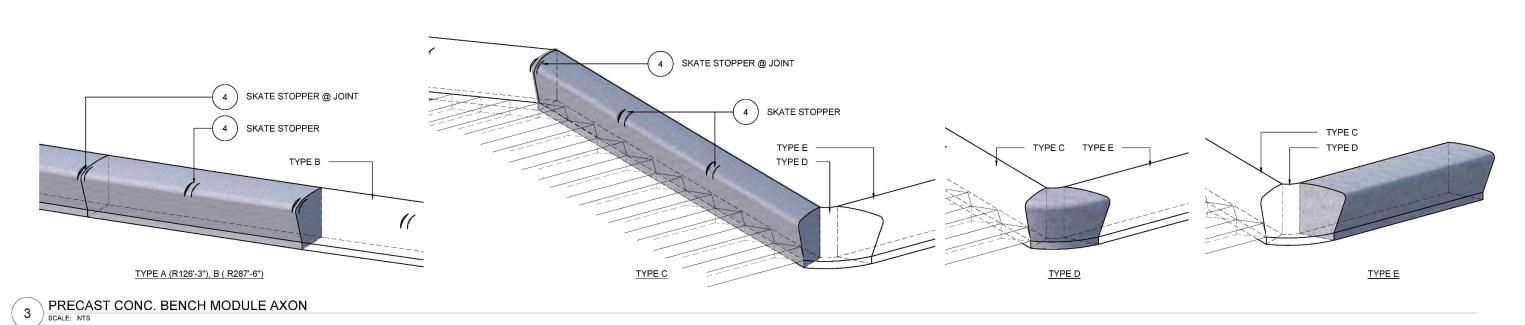


SEATING ON THE ROOF

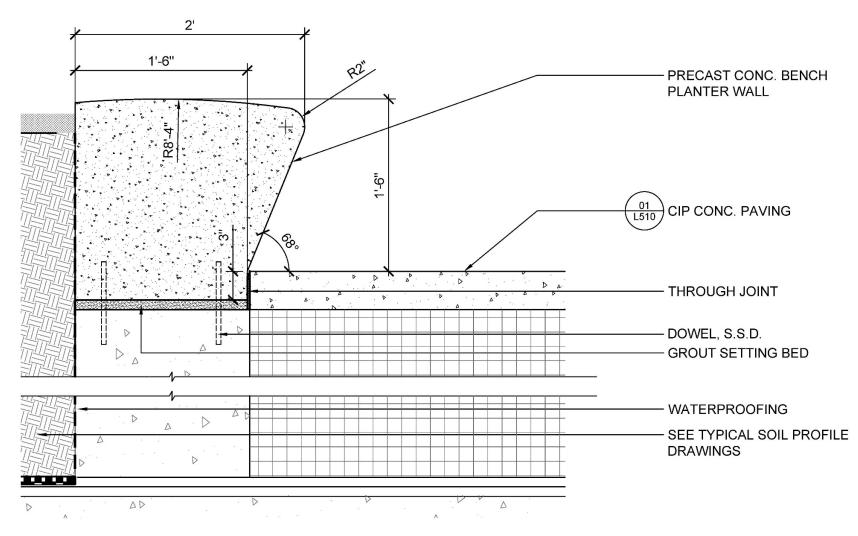


PRE-CAST CONCRETE BENCH





PRE-CAST CONCRETE BENCH

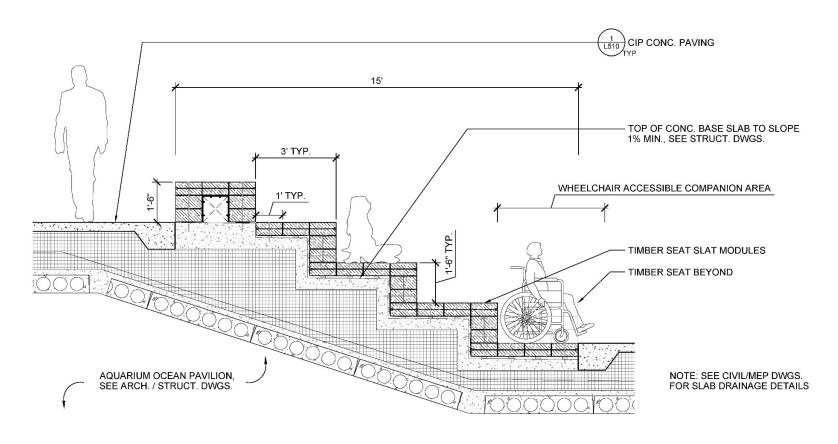


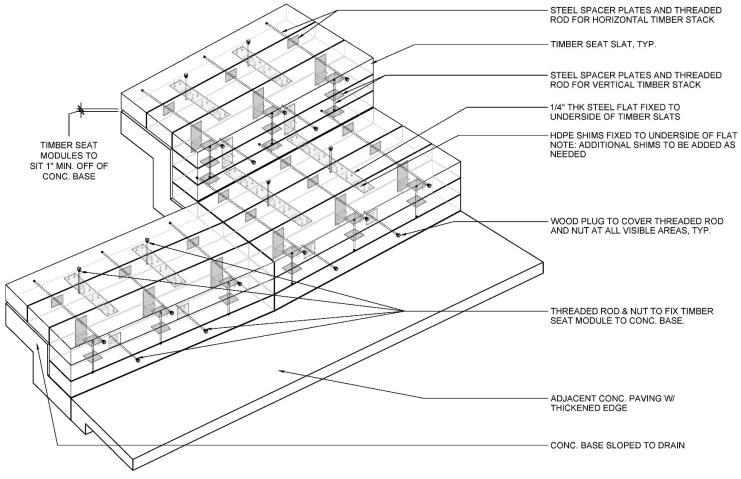


WESTERN WOOD SEATING STEPS



WESTERN WOOD SEATING STEPS







WOOD SOURCING FROM TRIBAL MANAGED FOREST

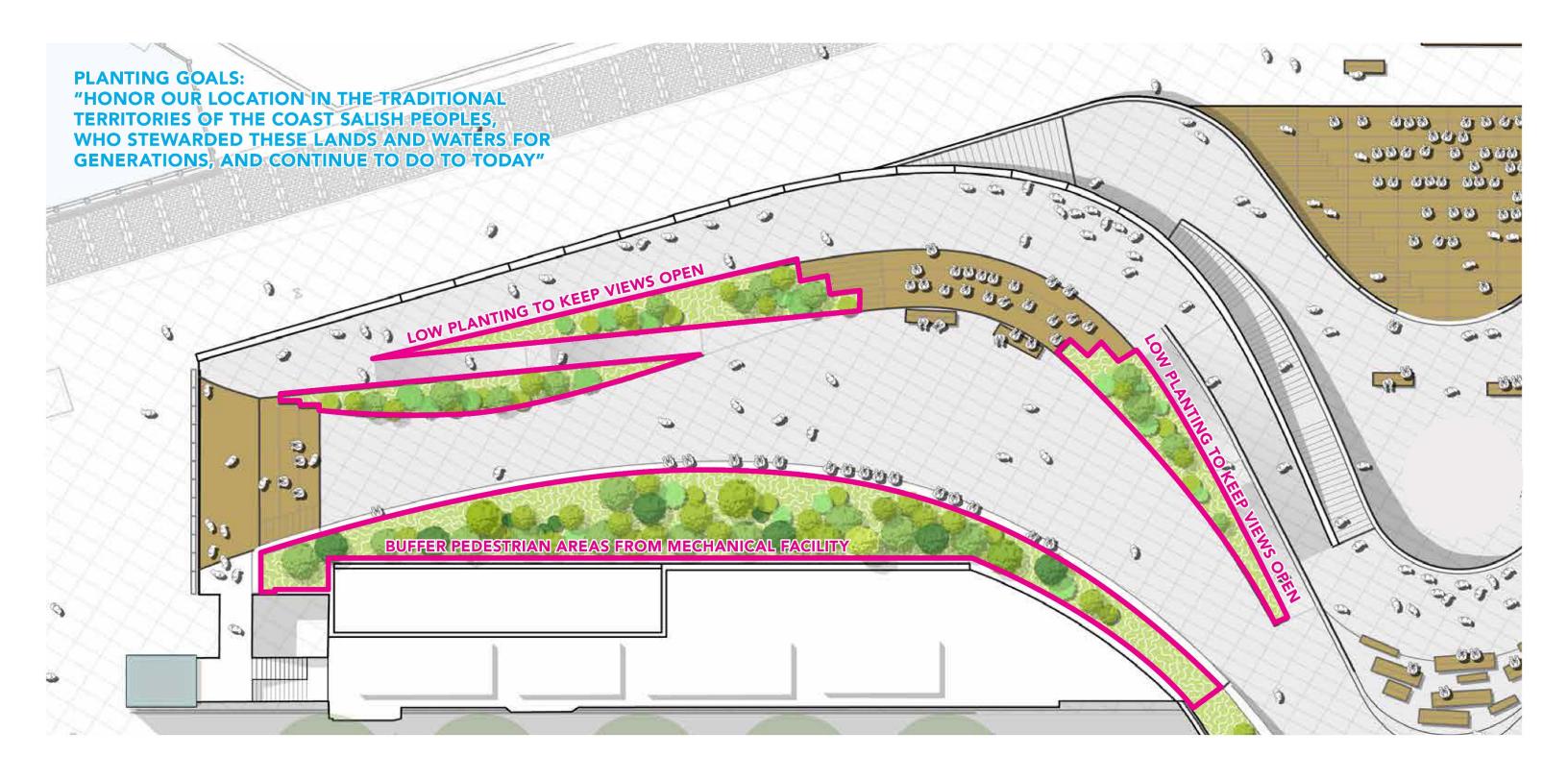
SOUTHERN SEATING STEPS



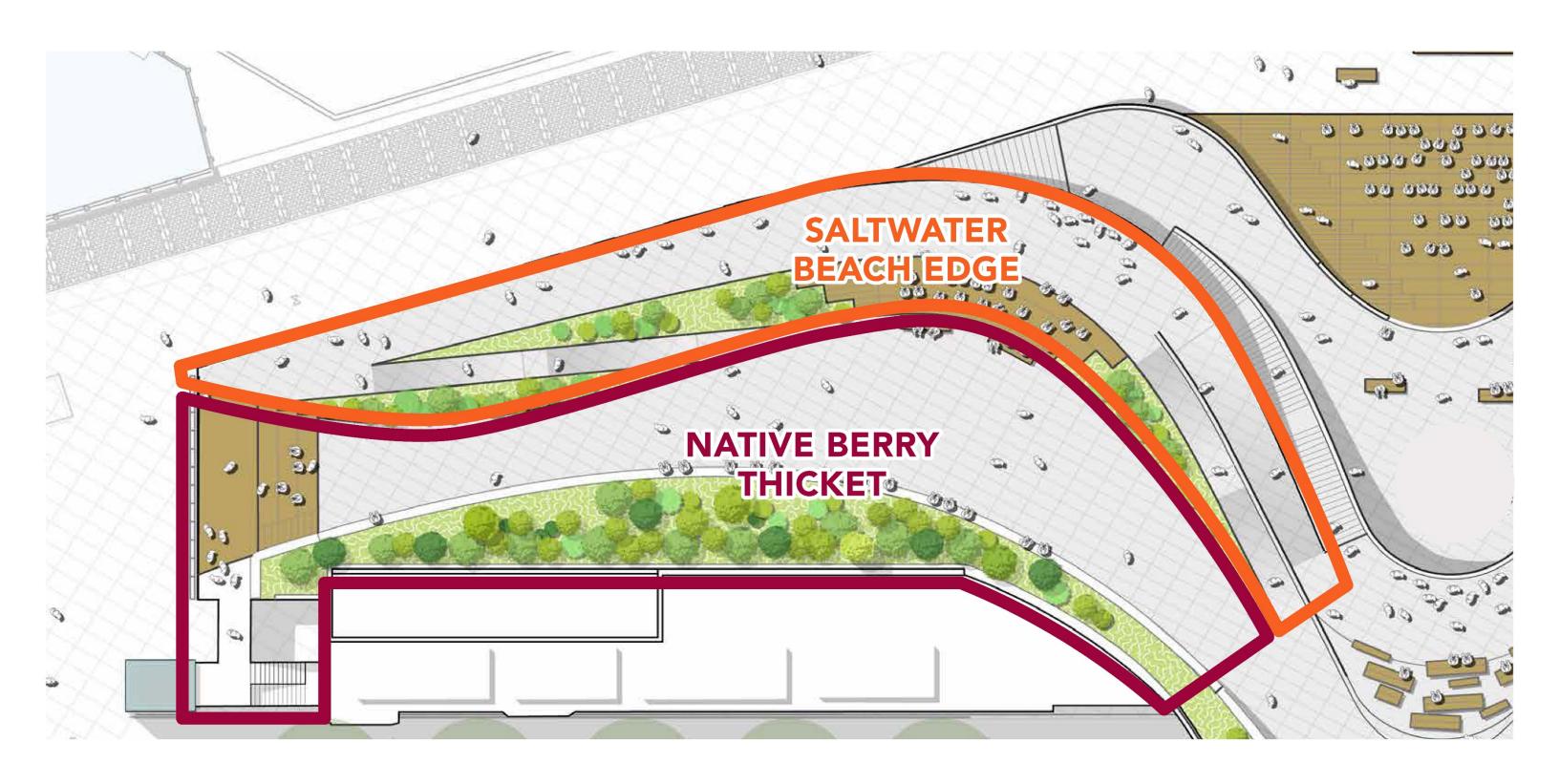




PLANTING



TELLING MEANINGFUL STORIES



NATIVE BERRY GARDEN

Salal Red Huckleberry Evergreen Huckleberry Thimbleberry Salmonberry Oregon Grape Gooseberry **High Bush Cranberry** Wild Trailing Blackberry



















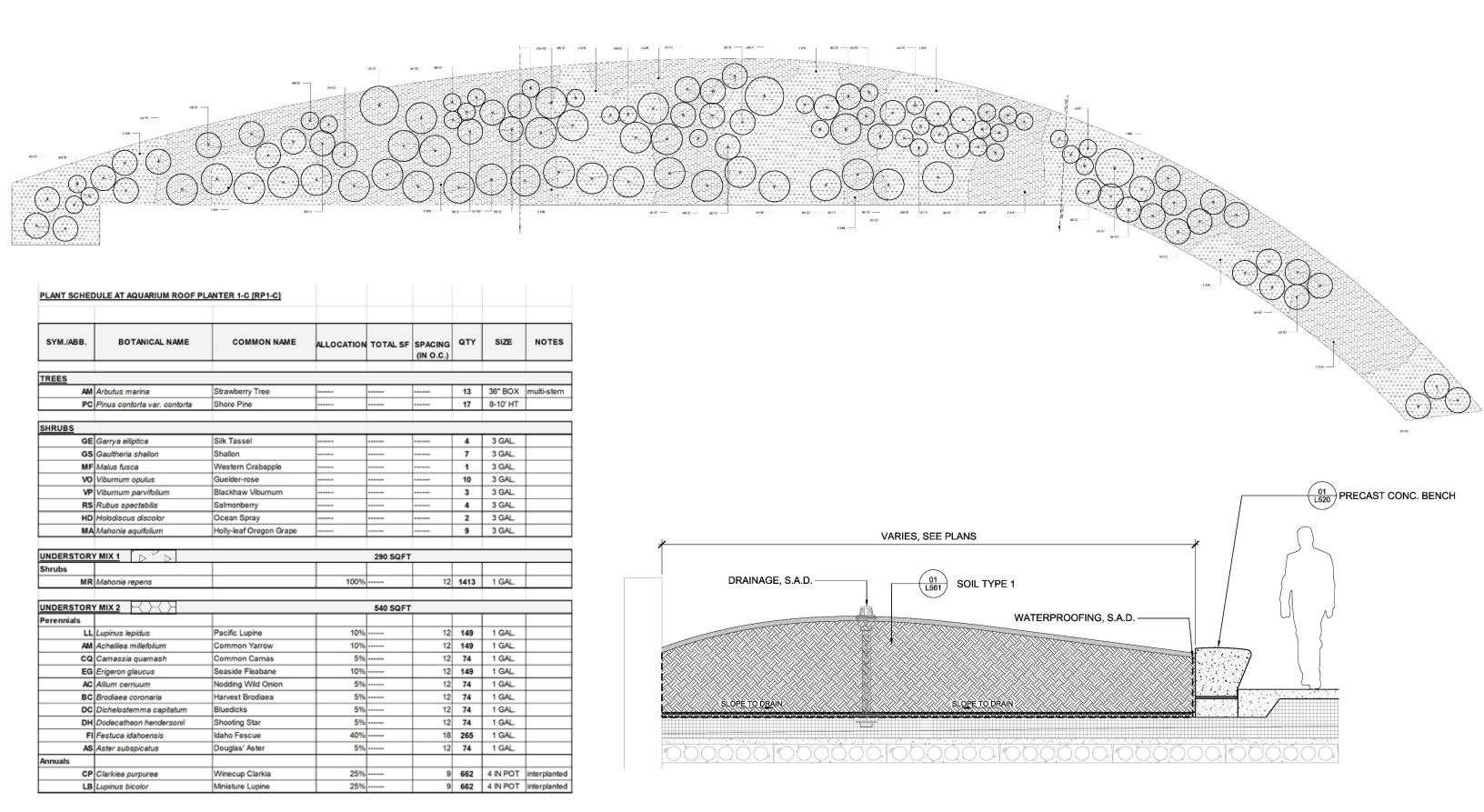








NATIVE BERRY PLANTING

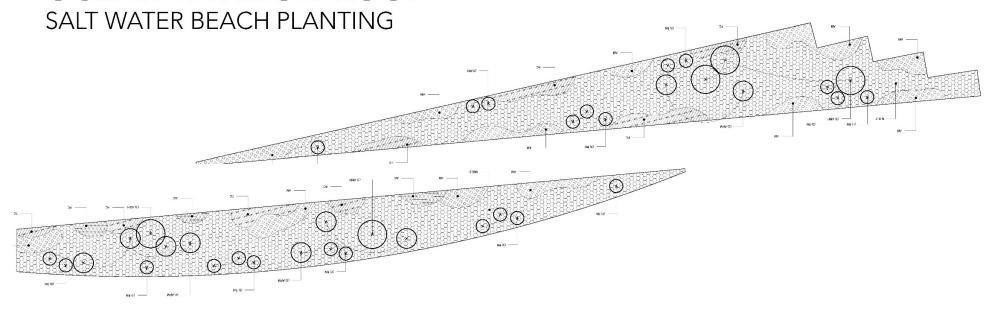


SALT WATER BEACH PLANTING

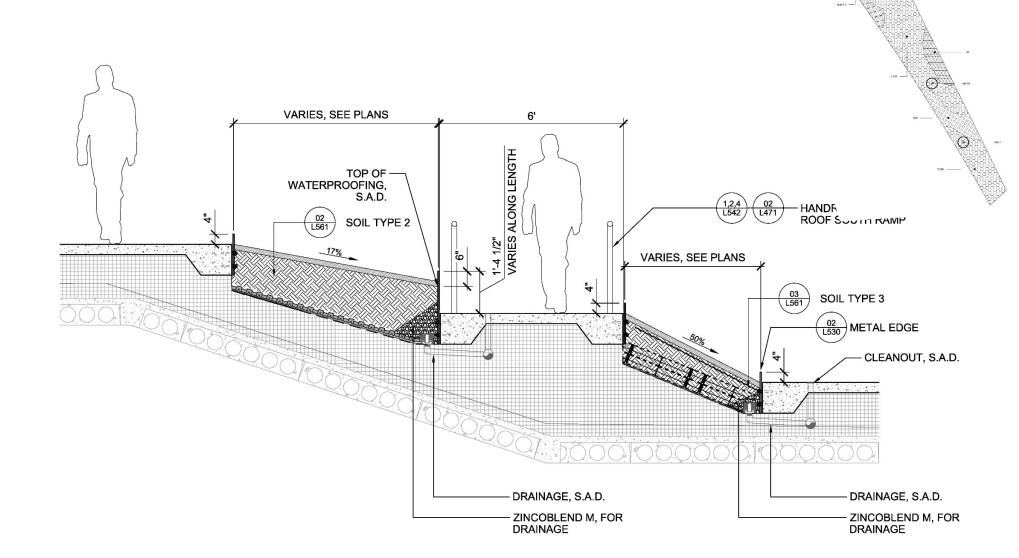
Nootka Rose Yarrow Nodding Onion Wild Strawberry Kinnikinick Hairy Manzanita

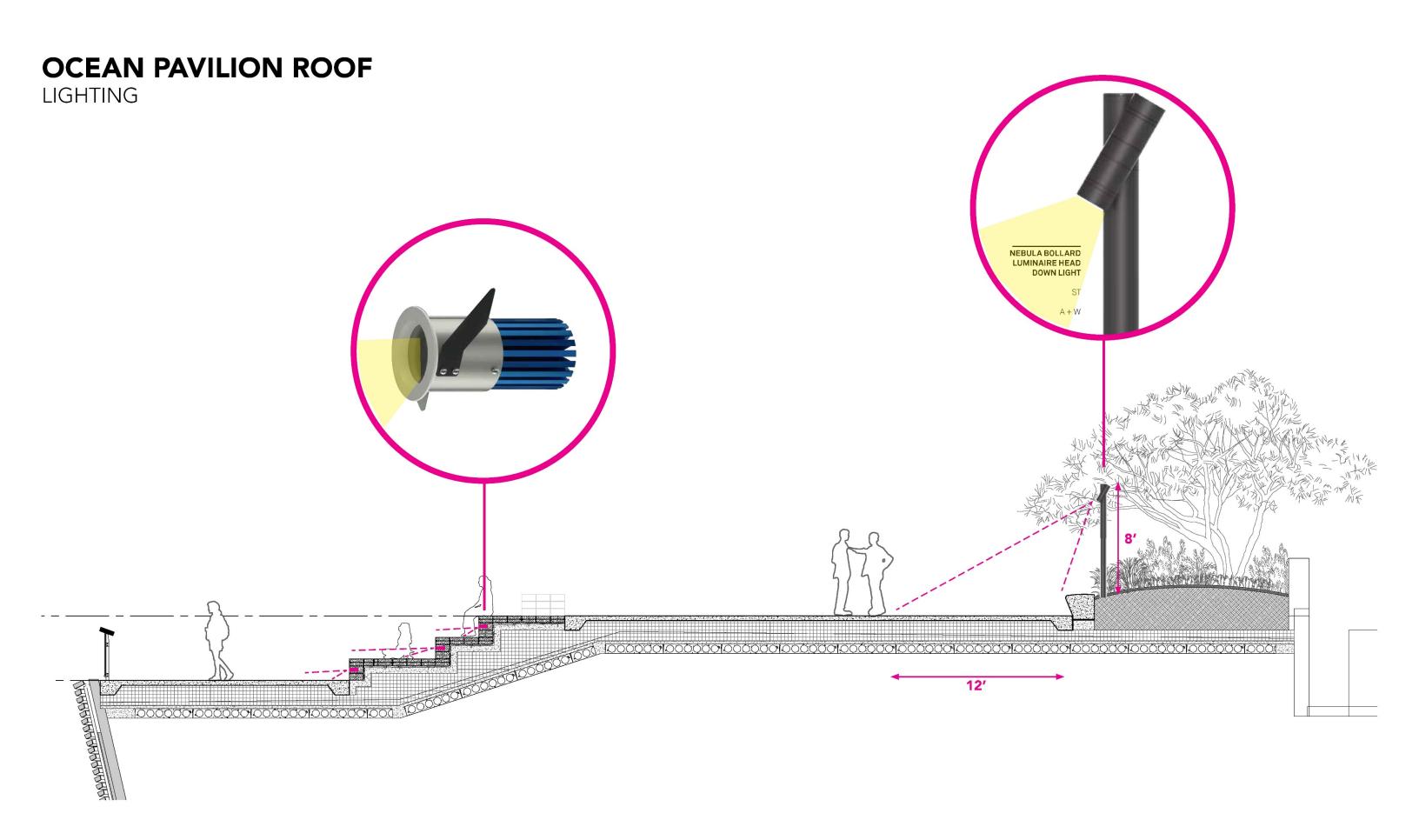


OCEAN PAVILION ROOF



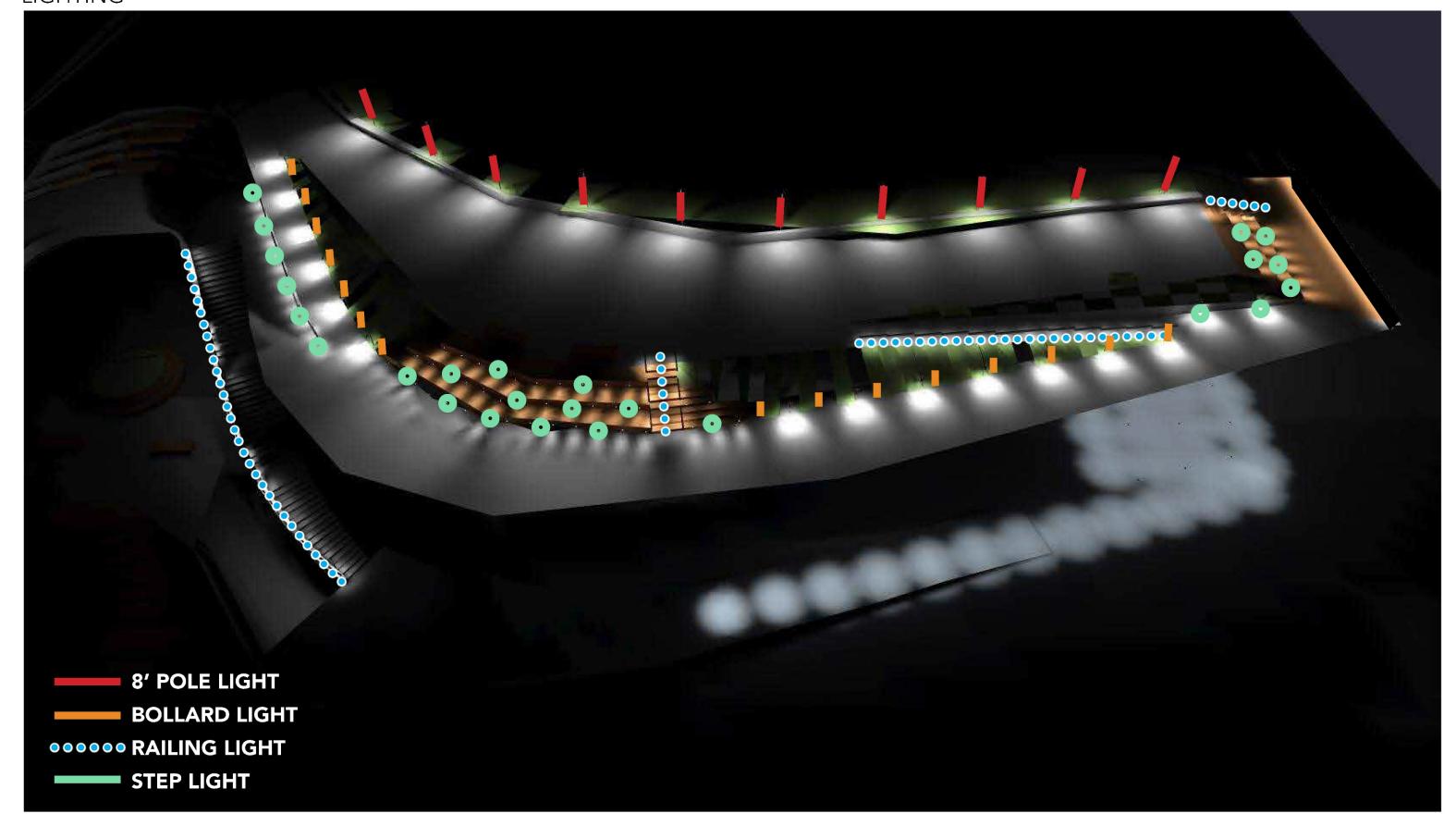
IUM ROOF PLANTER	t 4 [RP4]						
NICAL NAME	COMMON NAME	ALLOCATION	TOTAL SF	SPACING (IN O.C.)	QTY	SIZE	NOTES
nanzanita 'St. Helena'	Manzinita				2	2 GAL.	
'Pacific Mist'	Manzinita				7	2 GAL.	
	Nootka Rose				12	2 GAL.	
$H \rightarrow G H$			429 SQFT				
	Pacific Lupine	10%		18	22	1 GAL.	
um	Common Yarrow	100%	42 SQFT	18	22	1 GAL.	
ash	Common Camas	5%		18	11	1 GAL.	
	Seaside Fleabane	10%		18	22	1 GAL.	
	Nodding Wild Onion	100%	15 SQFT	18	8	1 GAL.	
ia	Harvest Brodiaea	5%	******	18	11	1 GAL.	
apitatum	Bluedicks	5%		18	11	1 GAL.	
is	Wild Coastal Strawberry	100%	21 SQFT	18	11	1 GAL.	
dersonii	Shooting Star	5%		18	11	1 GAL.	
is	Idaho Fescue	40%		18	88	1 GAL.	
s	Douglas' Aster	5%		18	11	1 GAL.	
9	Winecup Clarkia	25%		12	124	4 IN POT	interplanted
	Miniature Lupine	25%		12	372	4 IN POT	interplanted





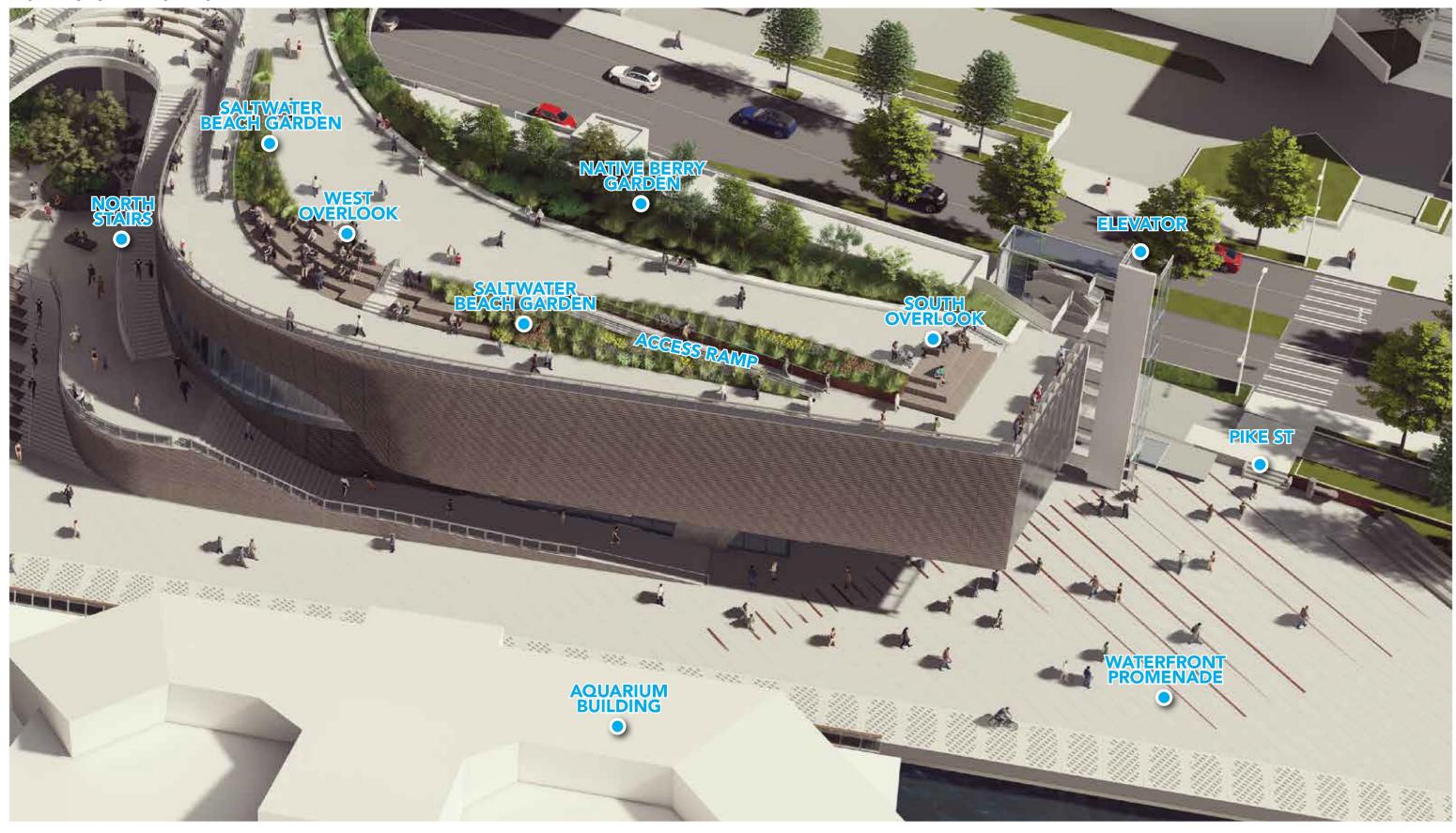
OCEAN PAVILION ROOF

LIGHTING



OCEAN PAVILION ROOF

PUBLIC OPEN SPACE



- Conservation Mission / Aquarium Campus
- Program Organization
- Sustainability
- Integration with Waterfront / Urban Context
- Experience and Materials
- Public Art Program







COMMON CHALLENGES LINKED ACROSS THE PACIFIC

PUTTING GLOBAL THREATS IN A LOCAL CONTEXT FOR A HEALTHIER OCEAN





Whale sharks face threats to their food sources and human encroachment.



Corals face mass die-offs as a result of ocean acidification and warming waters.



Mangroves are critical habitat for juvenile fish and face continued strain from humans.



ENDANGERED WILDLIFE

Southern resident orcas are critically endangered and face dwindling food sources.



Ocean acidification hurts an oyster's ability to form shells during reproduction.



Eel grass beds act as nurseries of the sea and are in decline.

SEATTLE AQUARIUM CONSERVATION MISSION

RELATIONSHIP WITH THE OCEAN

WE ARE IN A RELATIONSHIP WITH THE OCEAN

The Ocean Pavilion redefines "aquarium" for the 21st century

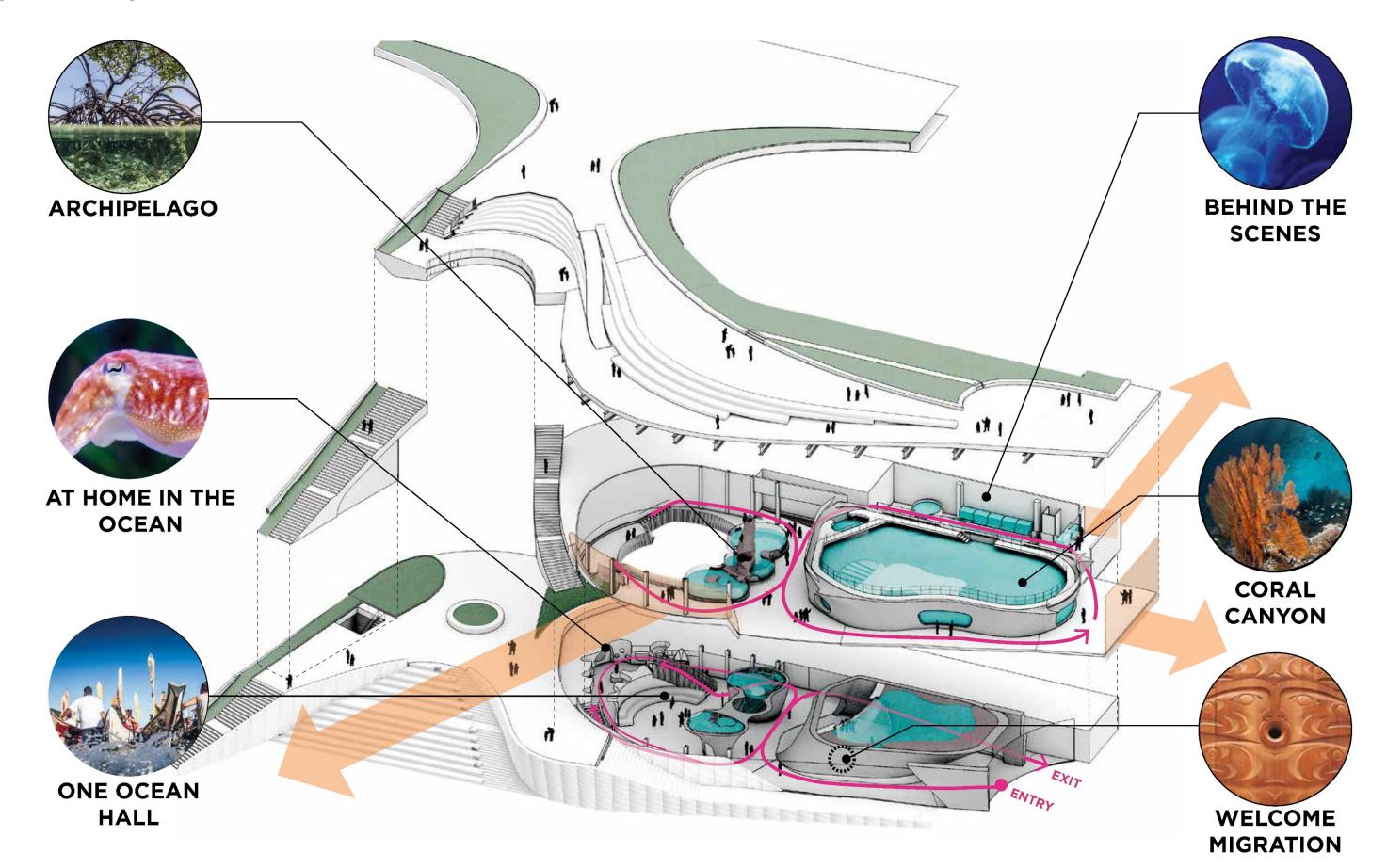
- A model of a thriving human culture, a community of care, that fosters a thriving ecology
- Exhibits that develop empathy towards wildlife and inspire wonder for life creating the conditions for life on our planet
- A landmark site that acknowledges Coast Salish lands and waters and the **vital role of Indigenous knowledge** in our future ocean
- An inclusive space that "meets people where they are" with a full range of living, immersive, and interactive experiences
- An open invitation for learning, sharing, and caring for our world ocean

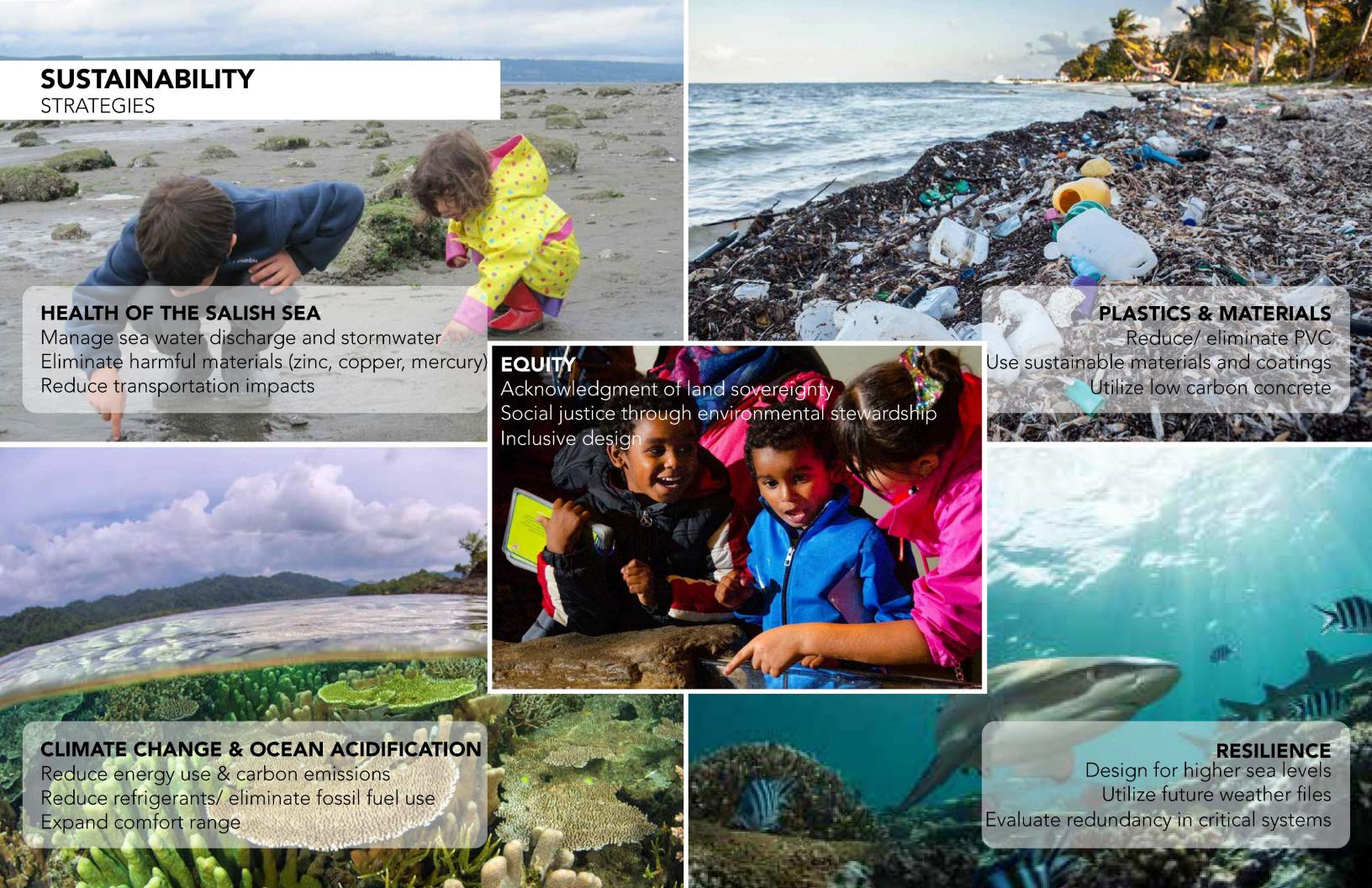




INCLUSIVE EXHIBIT EXPERIENCE

OCEAN PAVILION





SUSTAINABILITY

STRATEGIES

DESIGN IMPACTS ON GHG EMISSIONS

Eliminating boilers and relying on electric heat reduces the amount of carbon released into the atmosphere and the causation of ocean acidification

NO FOSSIL FUELS

Project avoids use of greenhouse gas emitting fossil fuels

SUSTAINABLE MATERIALS

Reduced PVC piping and eliminated materials harmful to marine environment (vinyls, zinc, copper, mercury, etc.)

MINIMAL REFRIGERANTS

Heating and cooling are distributed with water throughout the building

CONSERVATION MESSAGING

Exhibits and interpretive elements focus on marine conservation

ENHANCED CONNECTIVITY

Public stairs connect the waterfront and the downtown core.

CONNECTION TO NATURE

Exhibits integrated with habitat in the bay

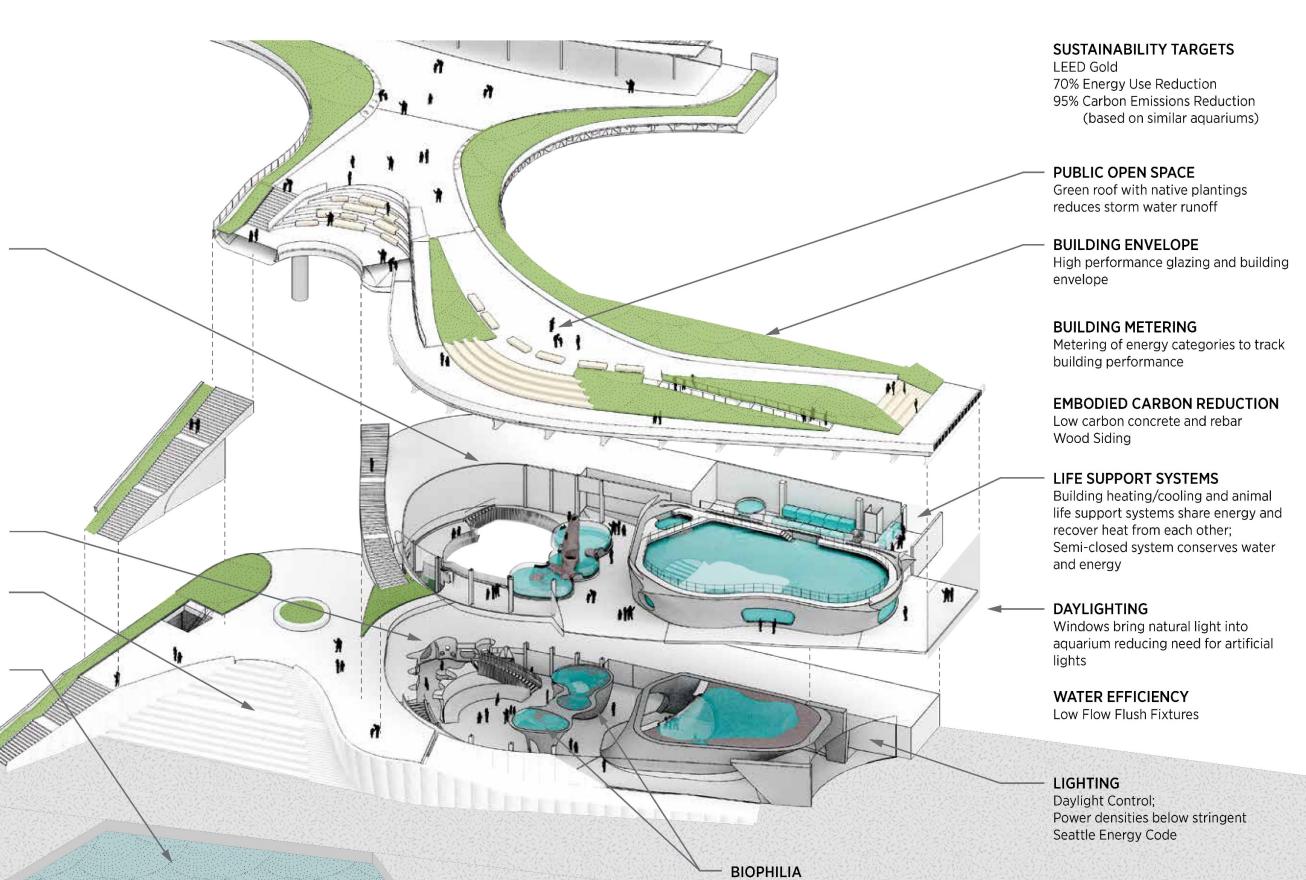
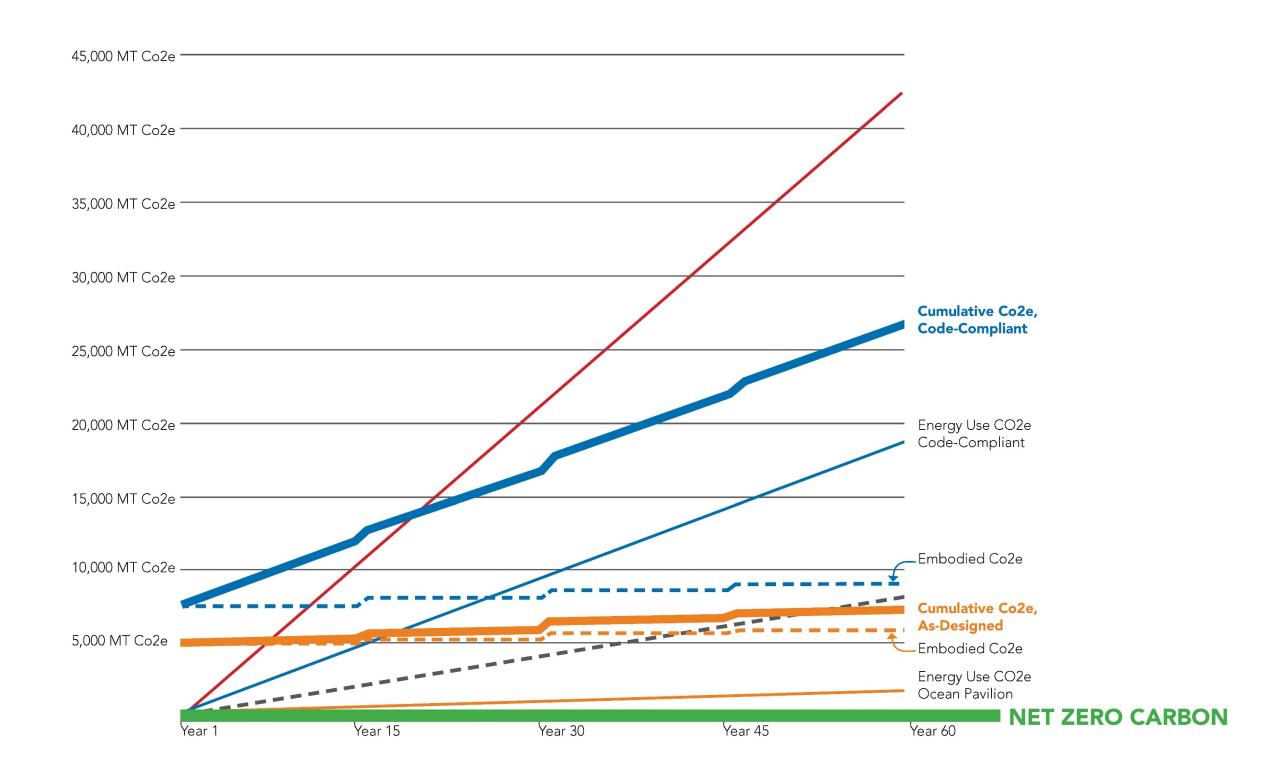


Exhibit vegetation brings biophilia indoors promoting human health and well-being

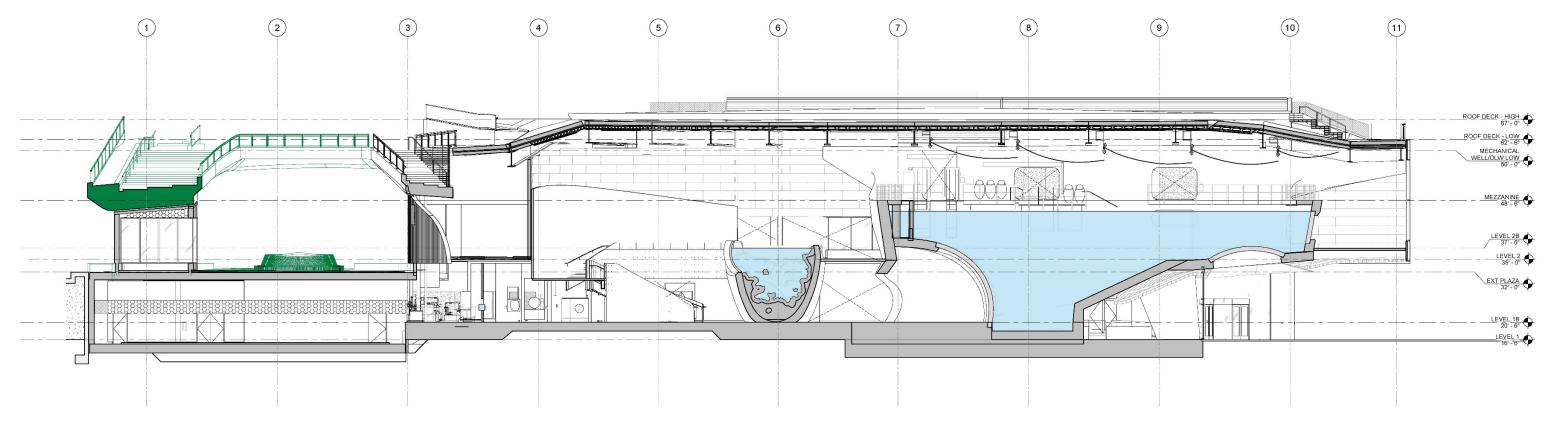
SUSTAINABILITY LSS WATER + ENERGY SHARING ELECTRIC HEAT PUMPS 96% WATER VOLUME HEAT EXCHANGER **ELLIOTT BAY**

SUSTAINABILITYCARBON BUDGET



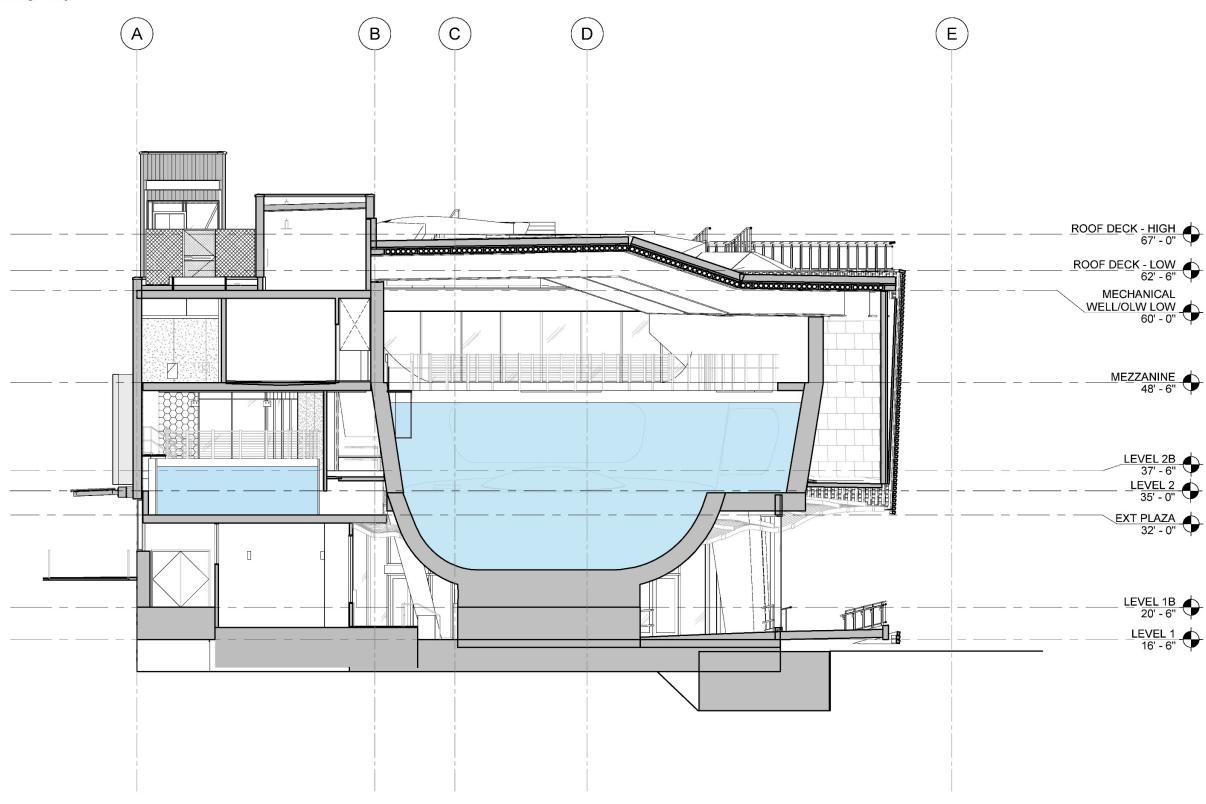


SECTIONS

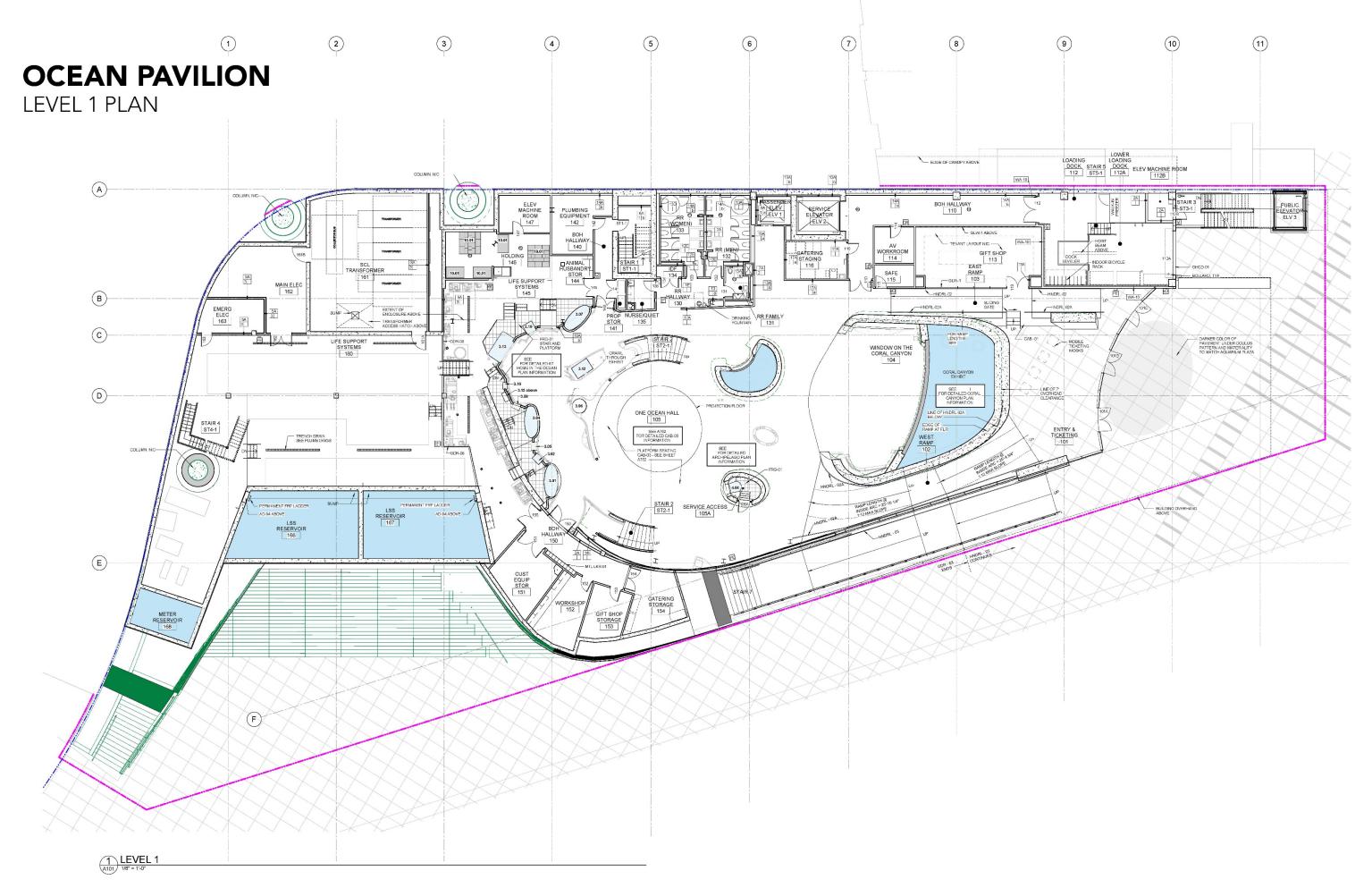


N-S SECTION FACING EAST

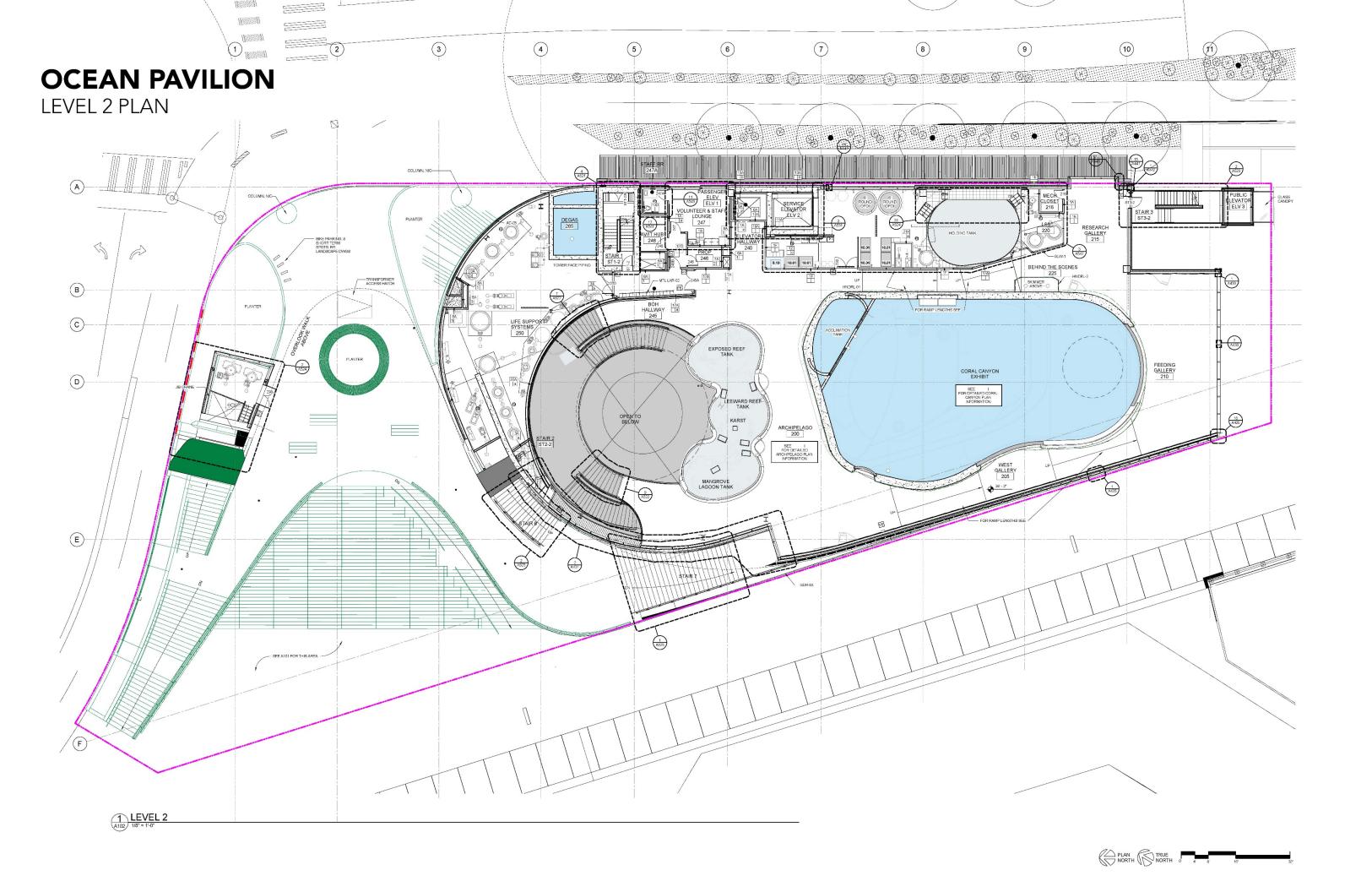
SECTIONS



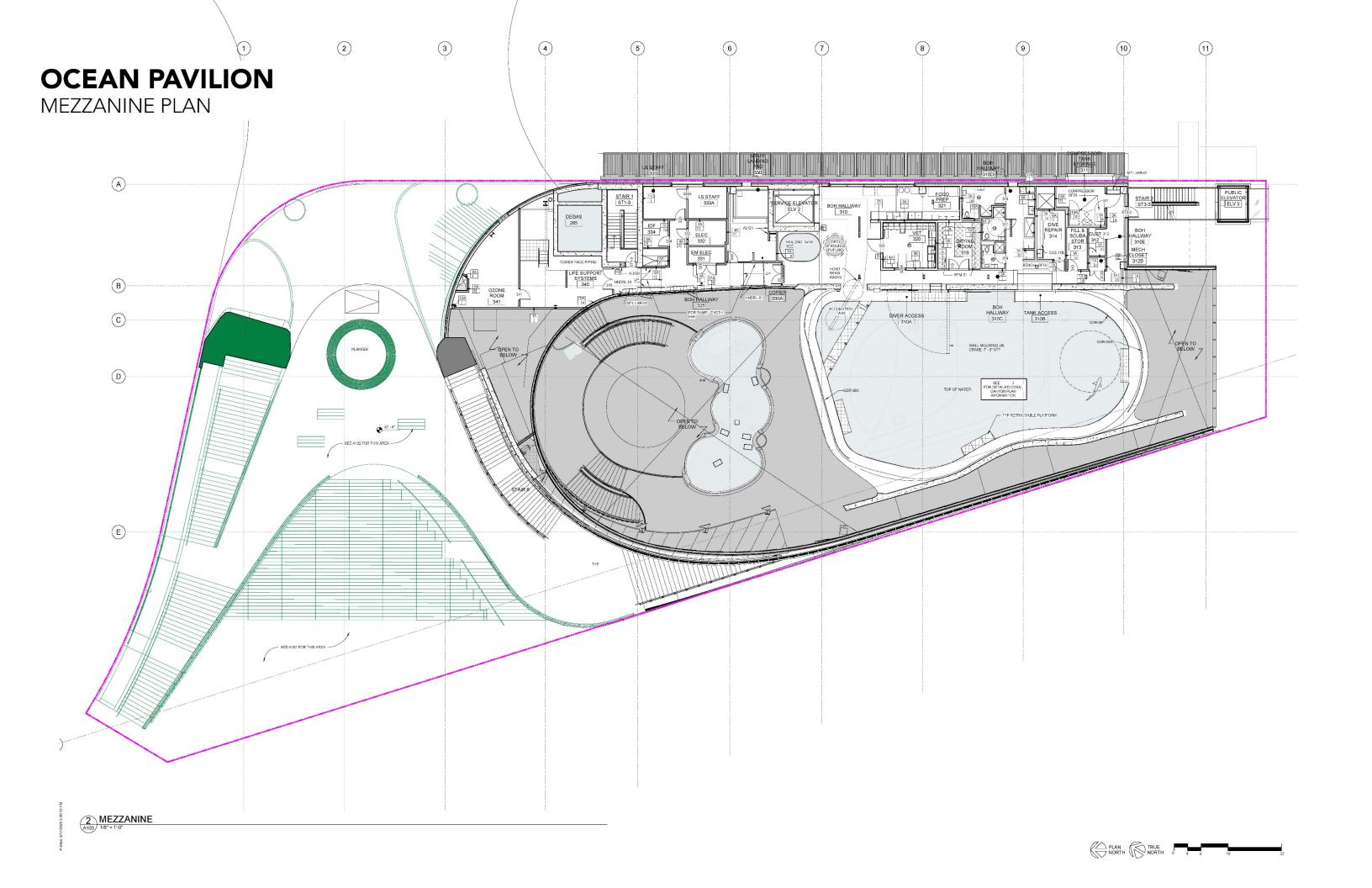
FIX BUILDING THE, CONDOMINIUM PCL#: 257028-0000 INTER CO-OP U.S.A. NO. 7 ASSOCIATES LIMITED PARTNERSHIP PCL#: 197620-0300 PC-1 SOUTH CONDOMINIUM HISTORIC PROPERTY PCL#: 659835-0000 WSDOT REAL ESTATE SERVICES PCL# 766620-2390 **SITE PLAN AQUARIUM CAMPUS** PIKE STREET HILL CLIMB OFFICE OF THE WATERFRONT, NOT IN PROJECT SCOPE (11) 2 3 8 4 (5) 6 FUTURE EXISTING SIDEWALK PLBLIC STAIR AND E A (B) (C) PROPOSED SEATTLE AQUARIUM OCEAN PAVILION WATERFRONT LANDINGS CONDOMINIUM PCL#: 919687-0000 (D) CITY OF SEATTLE PCL#: 766620-2422 E E COS DEPARTMENT OF PARKS AND RECREATION PCL#: 766620-2368 COS DEPARTMENT OF PARKS AND RECREATION PCL#: 766620-PUBL (7) 6 5 **EXISTING** 4 SEATTLE AQUARIUM 3 2 1 COS DEPARTMENT OF PARKS AND RECREATION PCL#: 766620-2360 TRUE PLAN NORTH 0 8' 16' SITE PLAN - PROMENADE

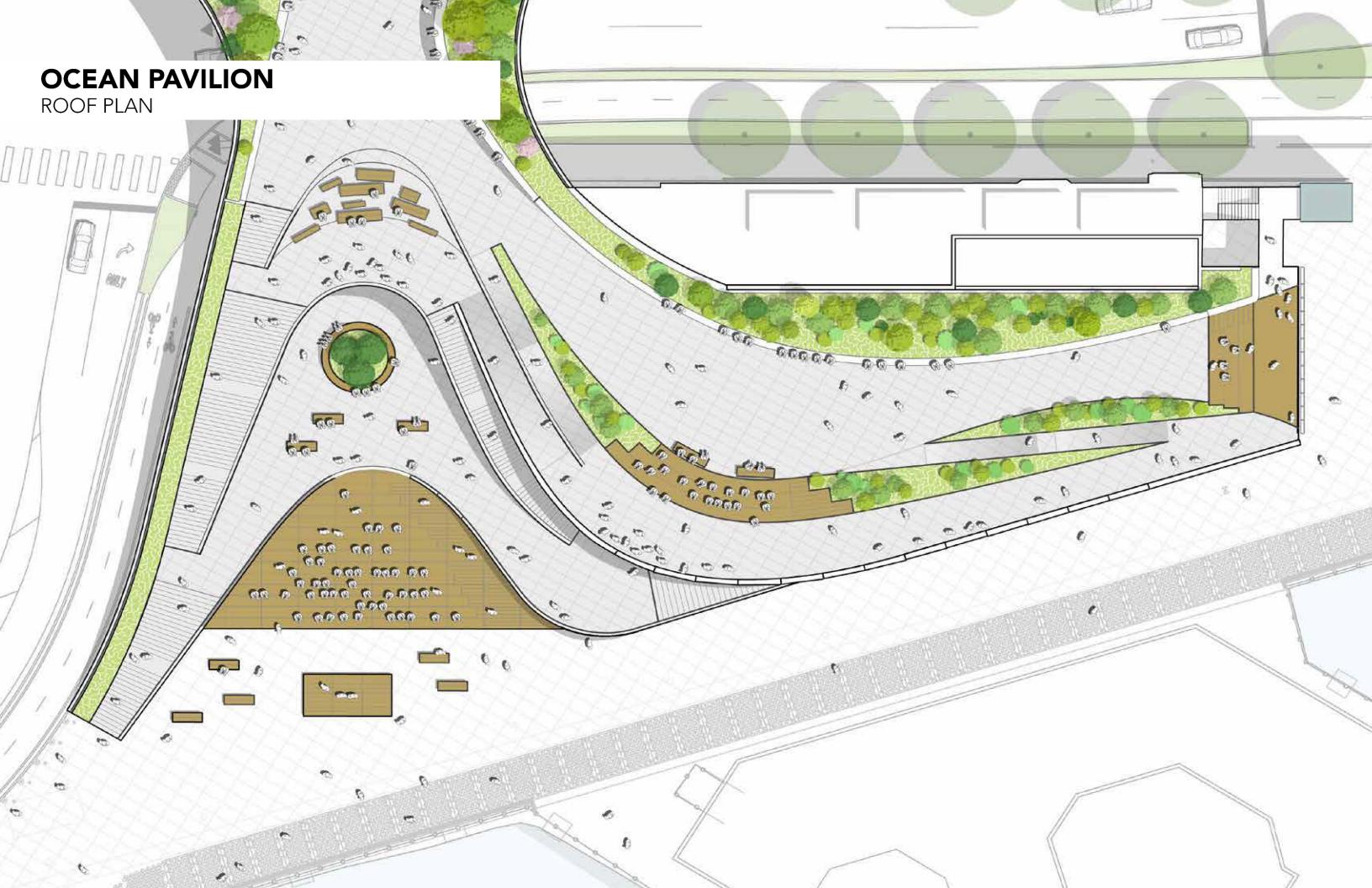


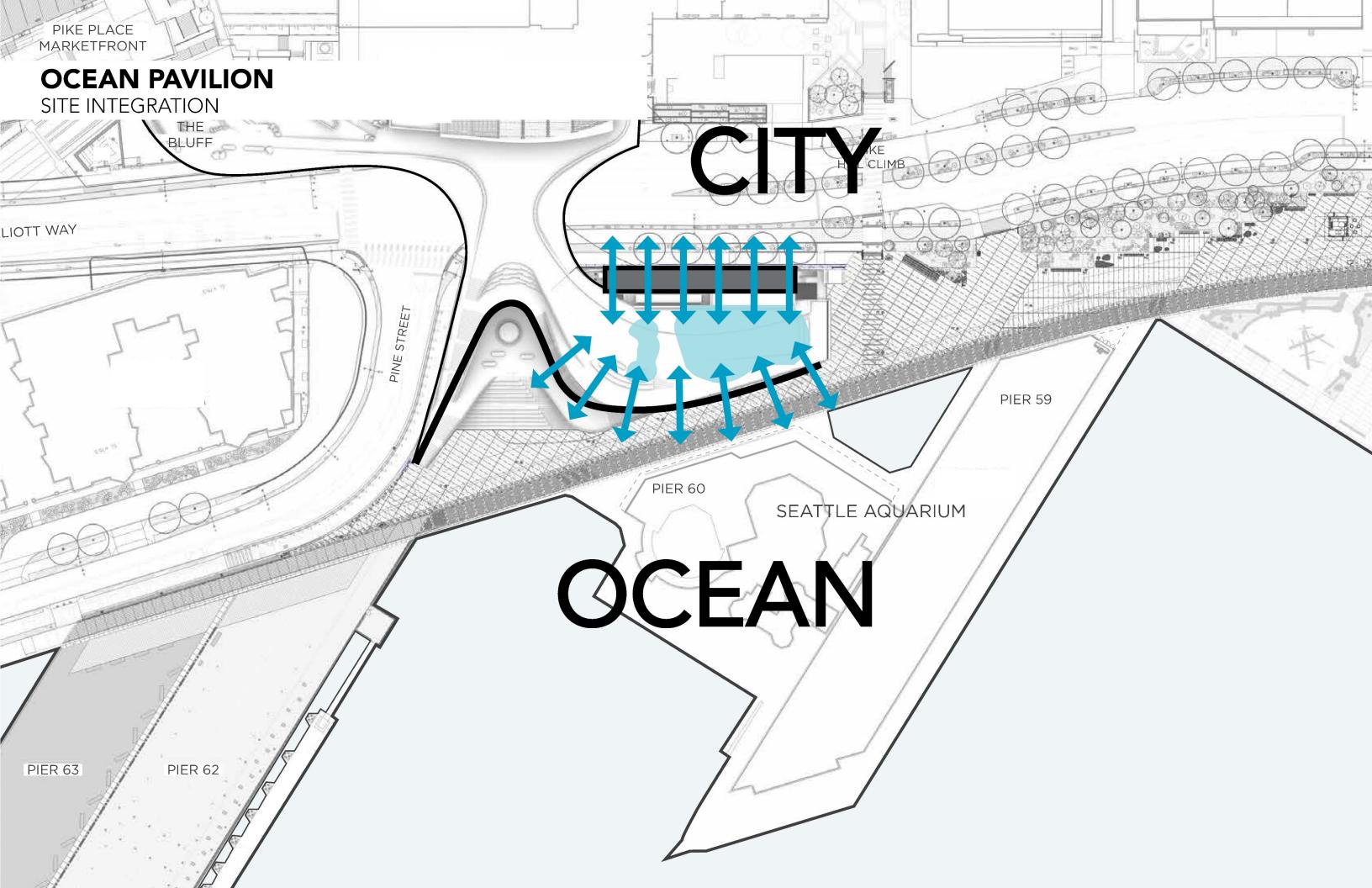












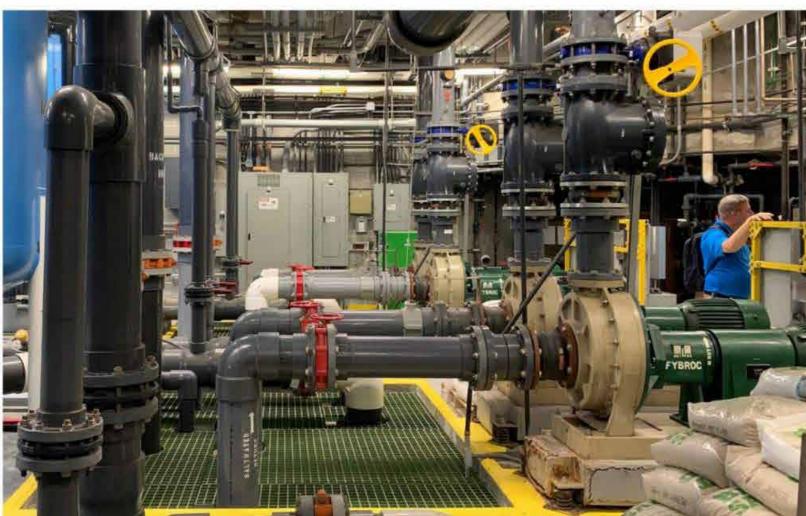




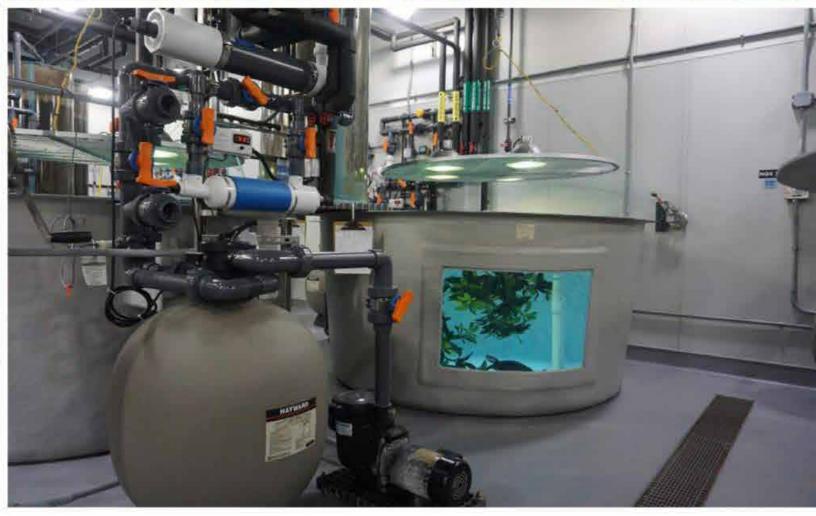








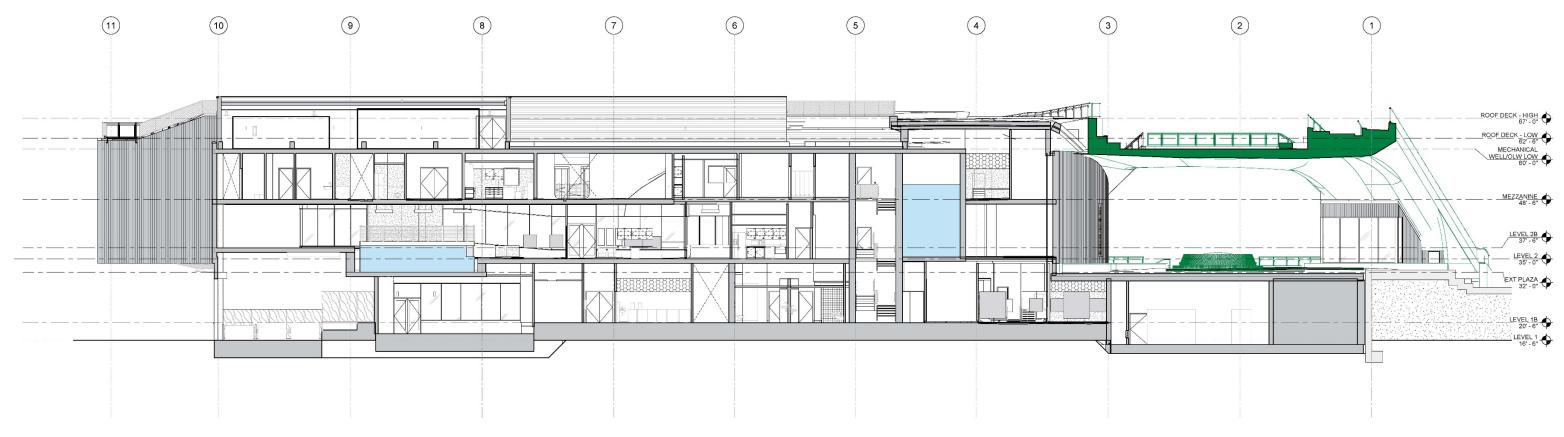




SECTION

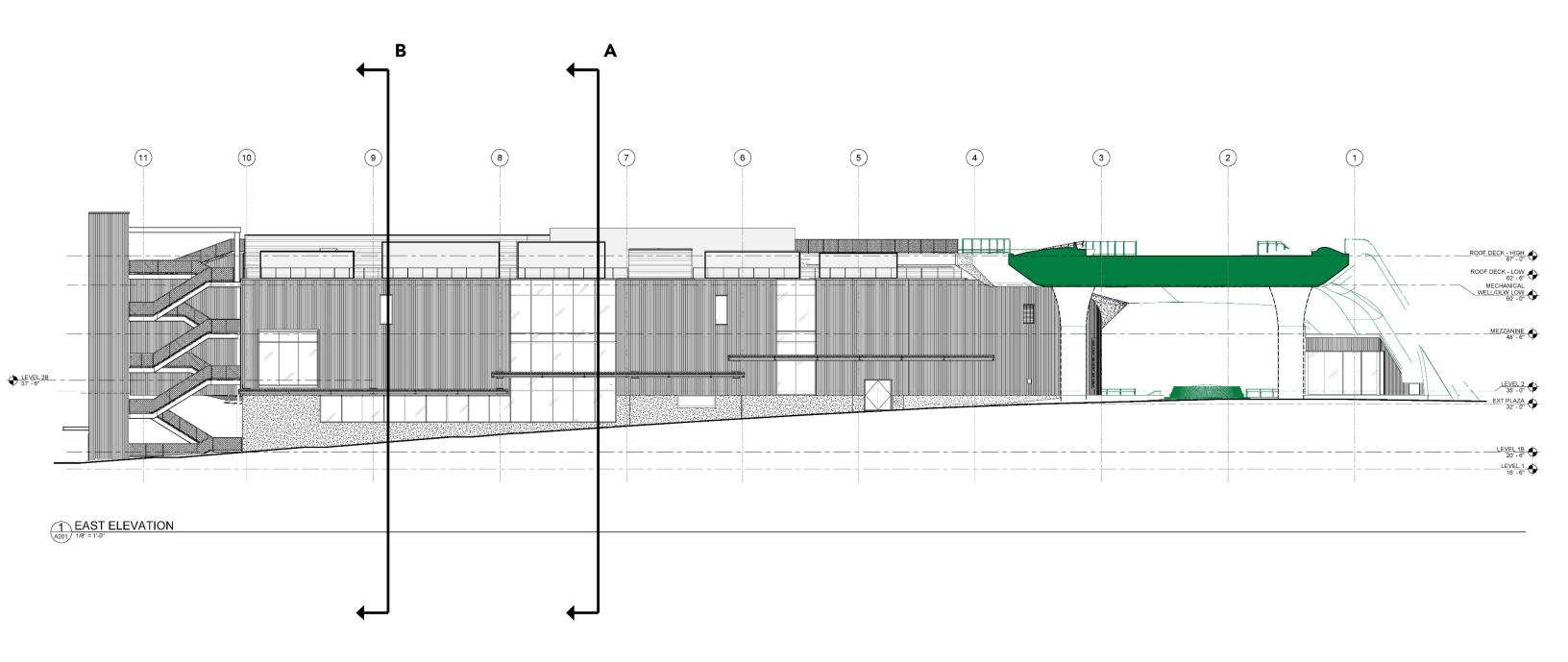
4. EASTERN FACADE

CONTINUE TO REFINE THE DESIGN OF THE EASTERN FACADE ALONG ELLIOT WAY

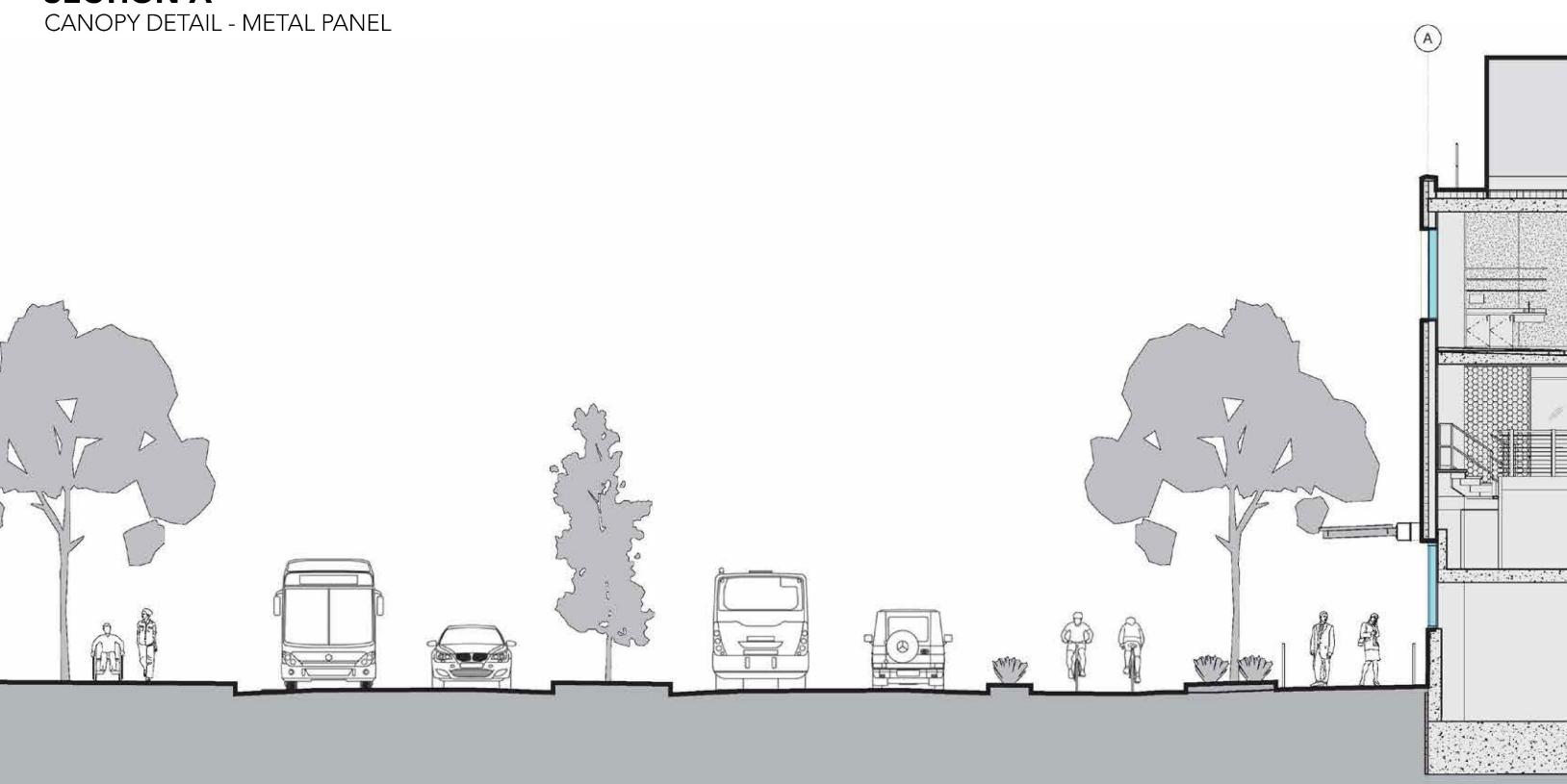


2 N-S SECTION FACING WEST

EAST ELEVATION



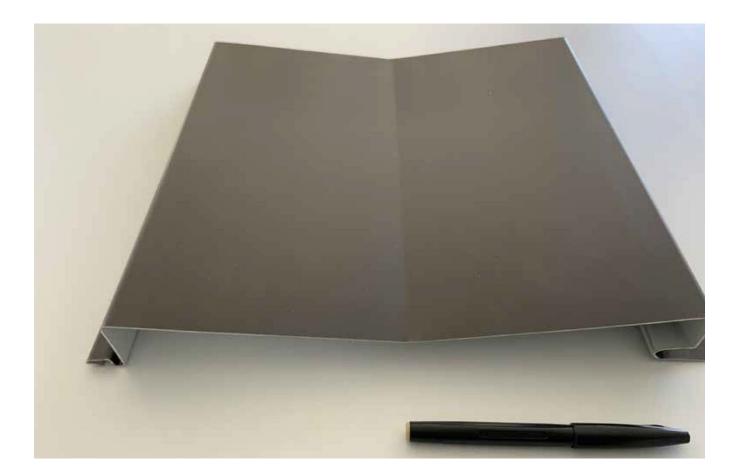
SECTION A



SECTION B CANOPY DETAIL - CURTAIN WALL

EAST ELEVATION MATERIALITY







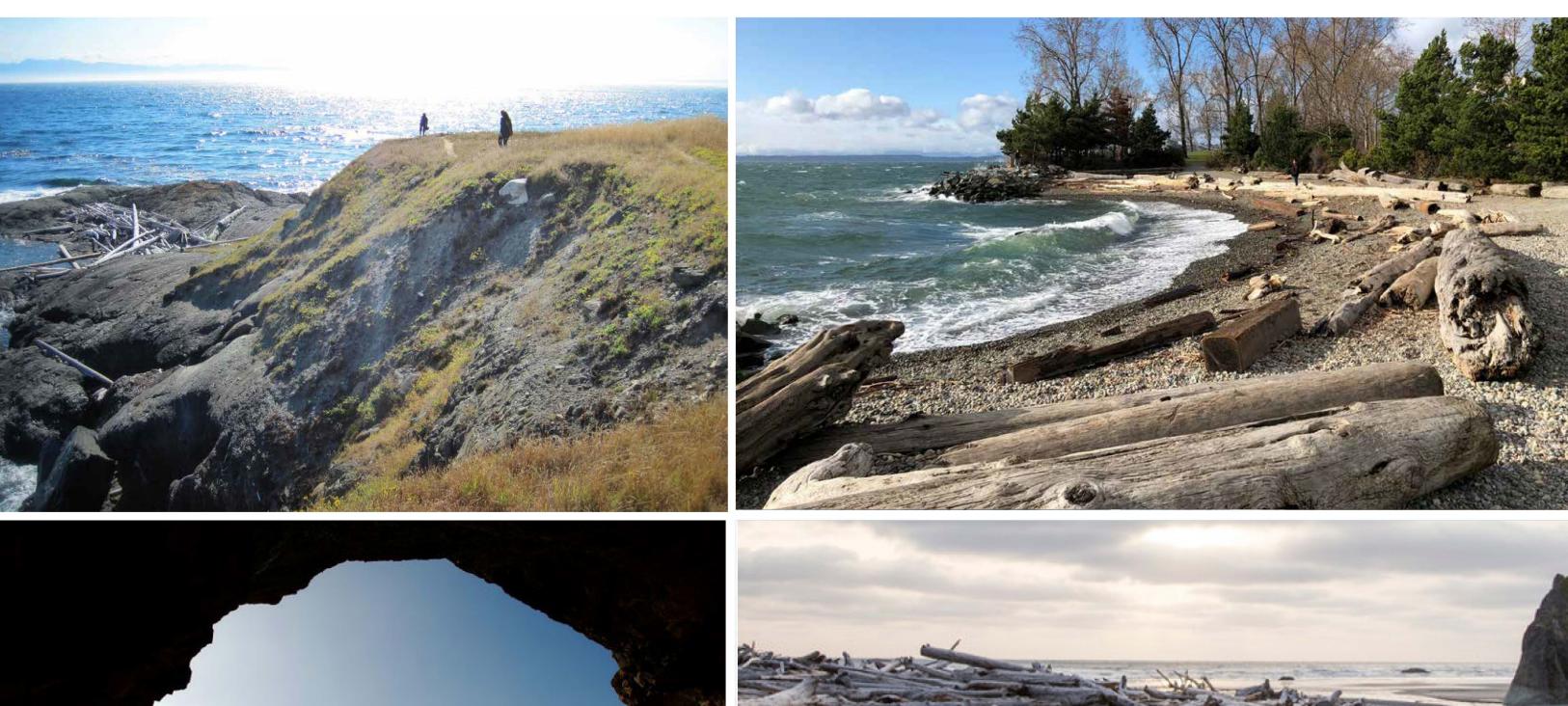


















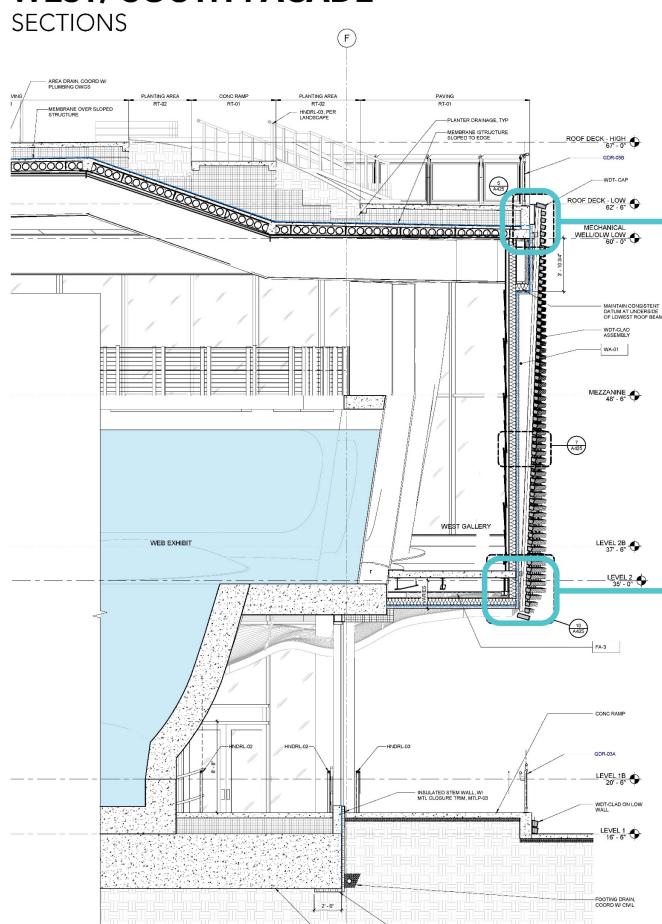


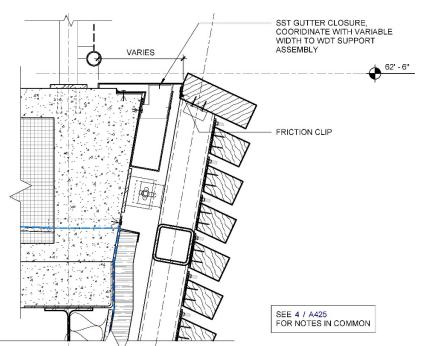




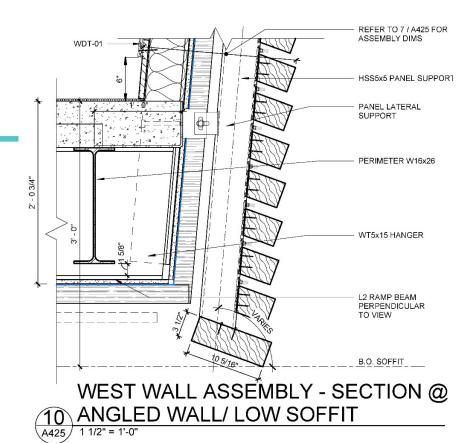


WEST/ SOUTH FACADE



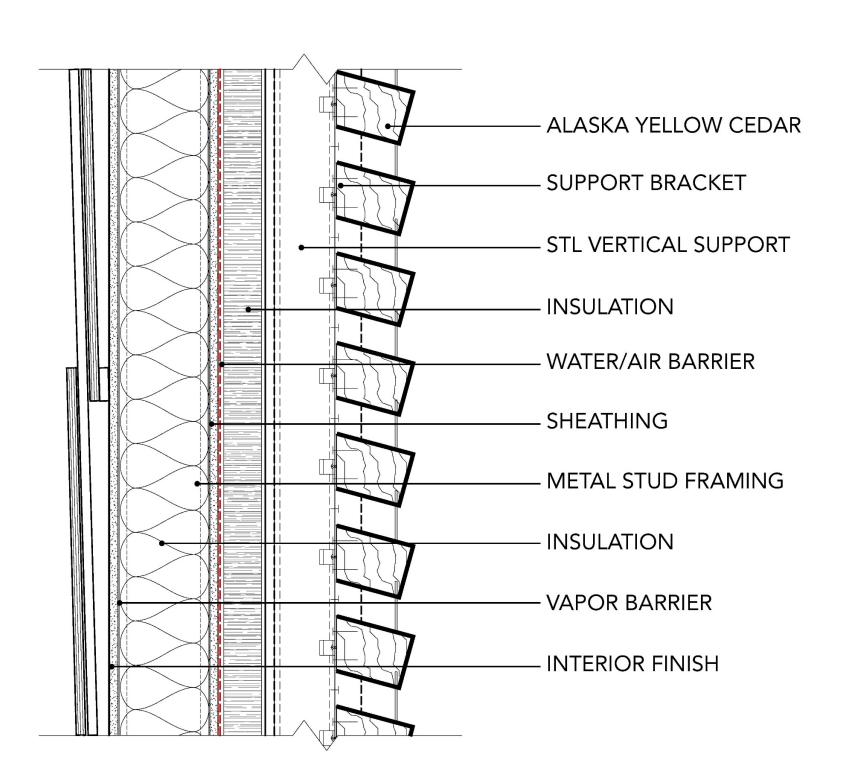


WEST WALL ASSEMBLY - SECTION @ 5 ANGLED WALL / ROOF
A425 1 1/2" = 1'-0"



WEST FACADE

DETAILS

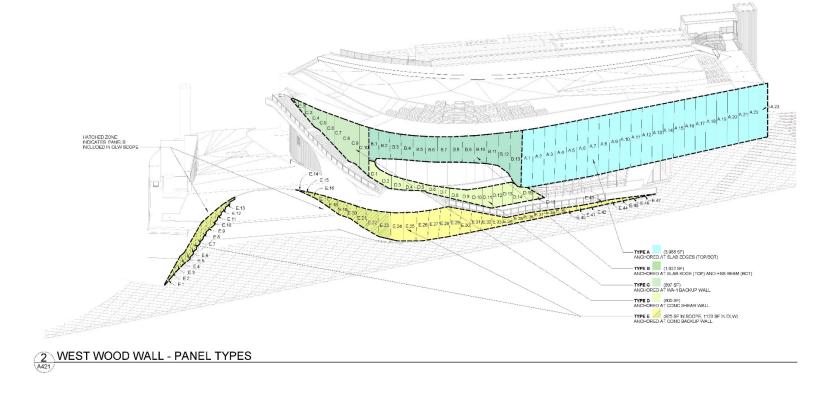






WEST FACADE

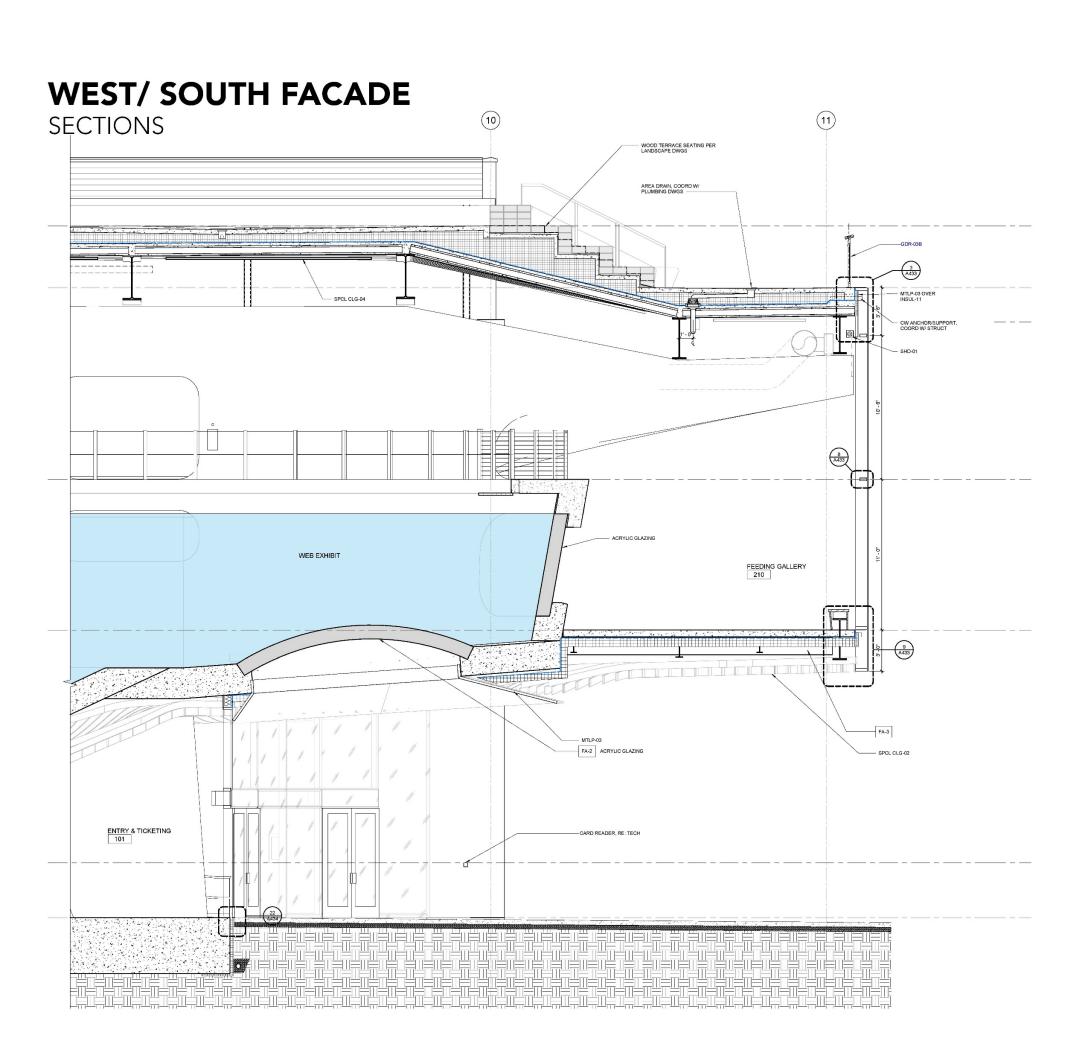
PANELS



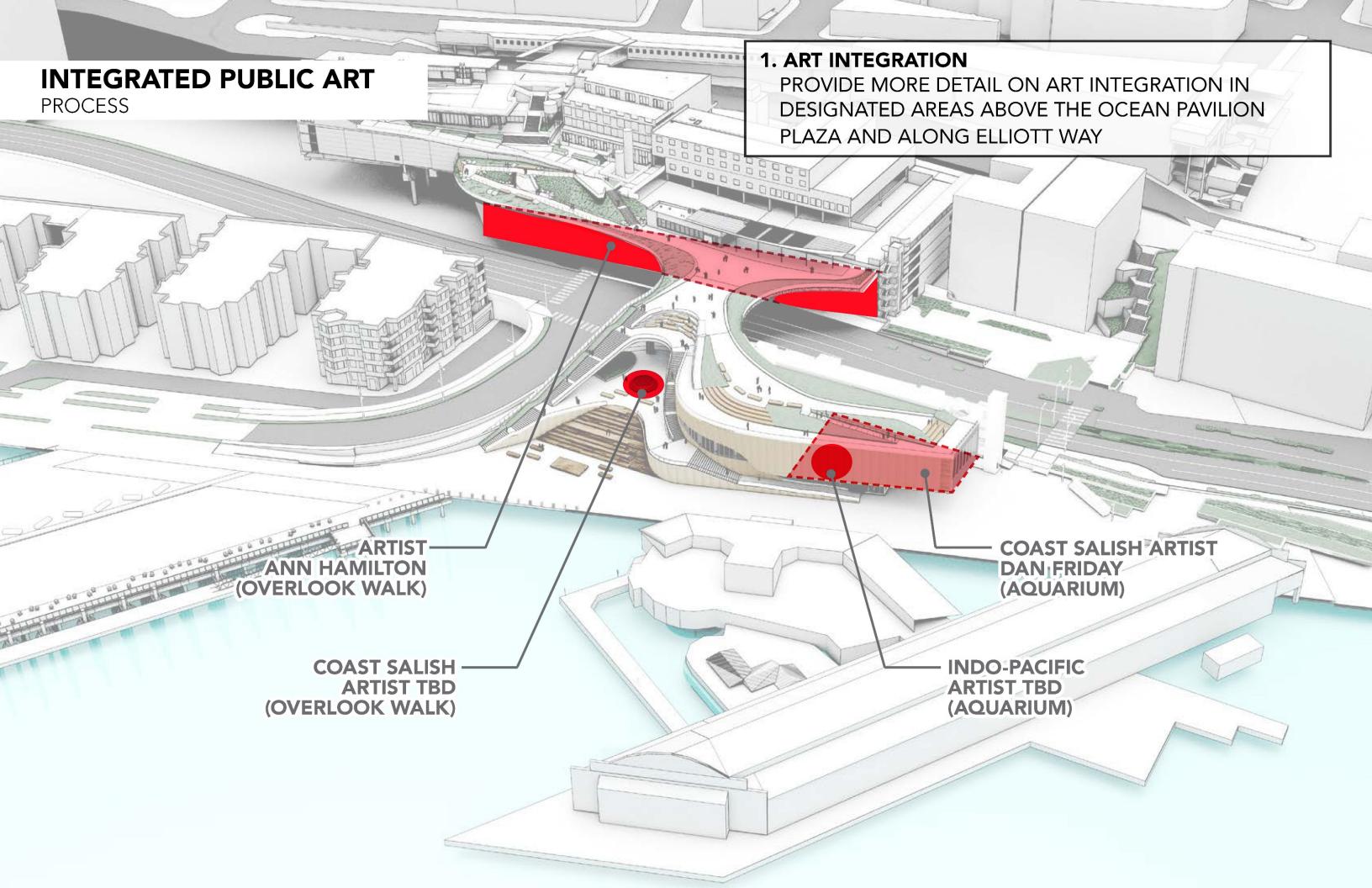






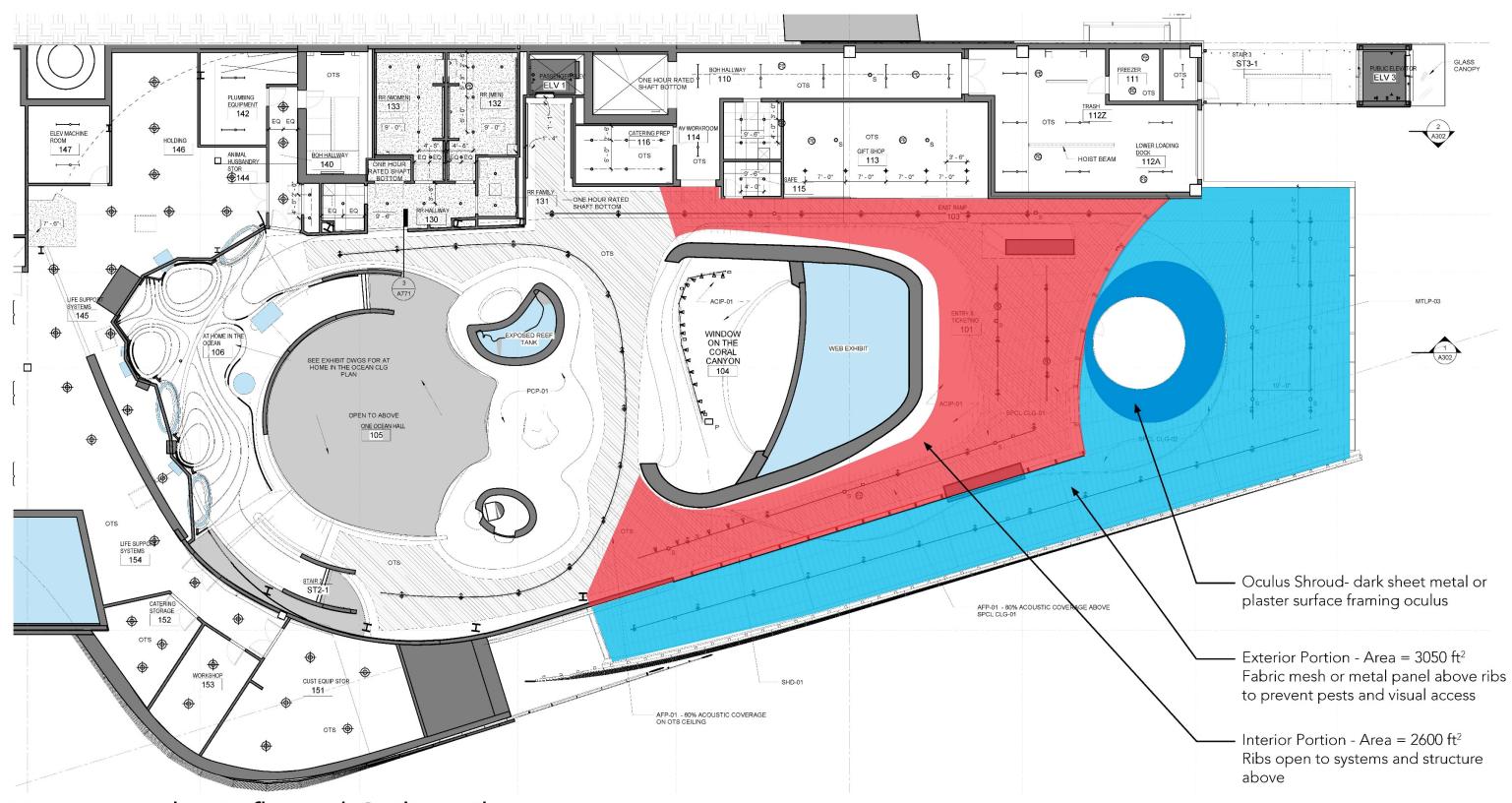






INTEGRATED PUBLIC ART

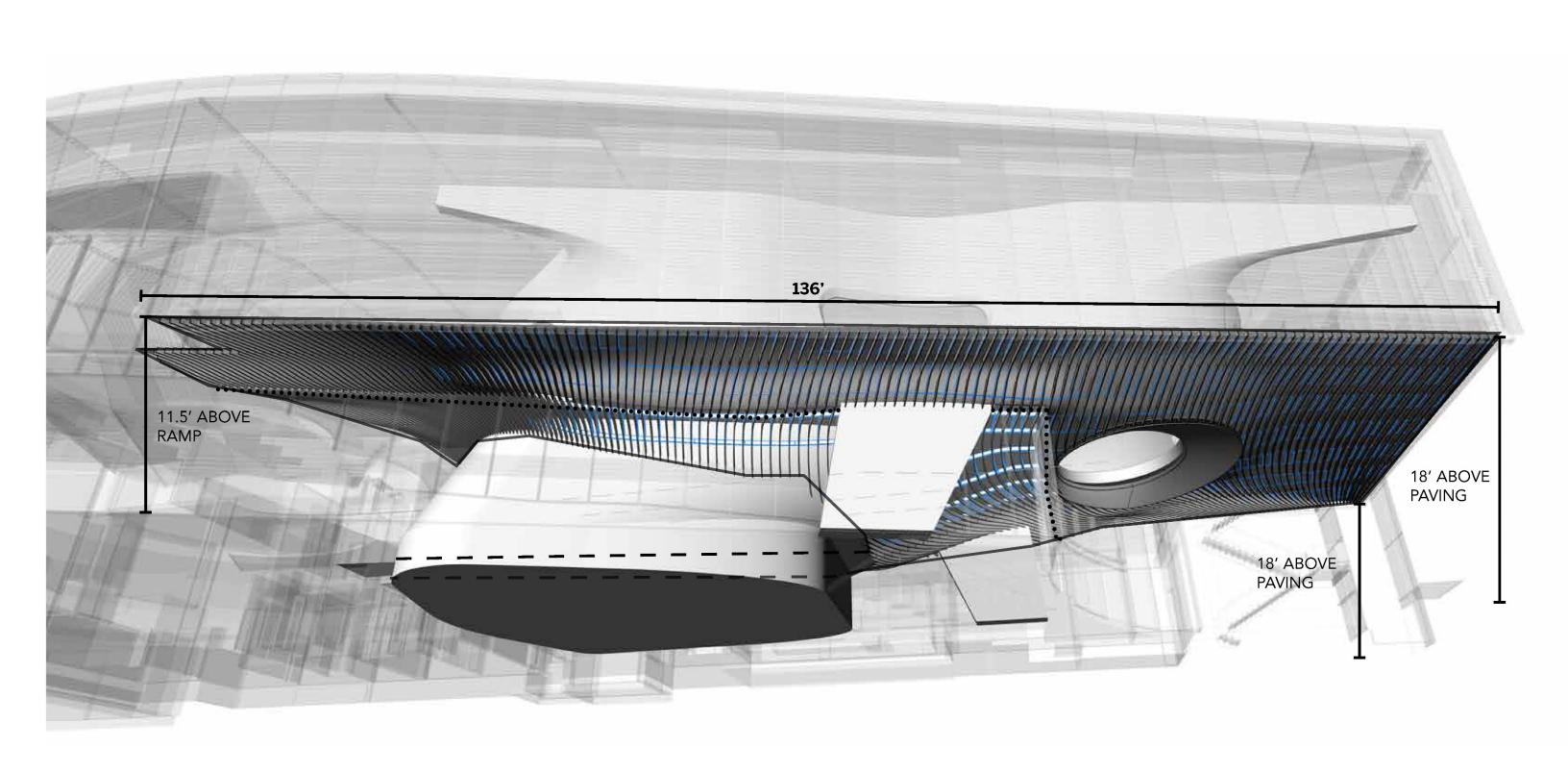
OCULUS + ART LINER



Liner - Level 1 Reflected Ceiling Plan

INTEGRATED PUBLIC ART

OCULUS + ART LINER



INTEGRATED PUBLIC ART

PROCESS

- Call to artists was open to Coast Salish applicants with cultural and familial connections to the Land and Waters surrounding the Seattle Aquarium
- Applications were reviewed, interviewed and selected by an all **Indigenous multi-generational** panel inclusive of Suquamish and Muckleshoot

Panel: Ryan Feddersen, Confederated Tribes of Colville • Jennifer Hess, Suquamish • Owen Oliver, Quinalt/Isleta Pueblo • Sara Siestreem, Hanis Coos • Valerie Segrest, Muckleshoot • Lacey Warrior, Dena'ina/ Gros Ventre

Facilitator: Asia Tail, Cherokee • additional oversight: Colleen Echohawk, Pawni

- The artwork will welcome visitors from around the world acknowledging its location on traditional Coast Salish Lands and Waters, while honoring the animals residing inside, and the Coral Triangle communities they represent
- All submitted applicants will be part of an informal roster for other art opportunities on site and elsewhere, with the intention of deepening relationships with Indigenous artists into the future, a partnership with the Office of the Waterfront is already underway to utilize this pool.
- Native arts liaisons will work with the selected artist alongside the Project Manager throughout the concept development and artwork creation process

INTEGRATED PUBLIC ART DAN FRIDAY

"Since I was a kid I have been fascinated by all life in the ocean and whales especially. I spent many hours at the aquarium growing up and I even thought about being a marine biologist. That did not end up being my path but, being a fisherman, and an artist it was only logical that my art work reflected that reverence of the Salish Sea."

- A member of the Lummi Nation and a Seattle based glass artist.
- Over twenty years working with Dale Chihuly, Paul Marioni, Preston Singletary, and others.
- First major public artwork.
- Works with Native youth to increase access to glass as a creative medium.
- Collaborates with other Native artists and institutions.
- The selection panel was drawn to his Coast Salish themes, and ability to use color, engage youth and all ages, and tell stories that educate the public about Native fishing protocols, the fishing wars, and treaty rights and Indigenous histories of activism in our region.









