OVERLOOK WALK  + OCEAN PAVILION
60% DESIGN

SEATTLE DESIGN COMMISSION
MARCH 05, 2020
OVERLOOK WALK + OCEAN PAVILION
AGENDA

INTRODUCTION

PROCESS
- Multidisciplinary/multicultural team
- Integration of Waterfront Seattle/Overlook Walk/Seattle Aquarium
- Waterfront Seattle community process
- Coast Salish tribal involvement
- Integrated Public Art

APPROACH
- Natural History
- Seattle Aquarium Conservation Mission
- Waterfront Seattle Public Open Space

BACKGROUND
- Central Waterfront Public Open Space
- Summary of 2018 SDC approval and feedback

60% DESIGN PROPOSAL

OVERLOOK WALK/ AQUARIUM ROOF
- Circulation
- Bluff Walk
- Maintenance Base
- Cafe Pavilion + Bridge
- Ocean Pavilion Roof
- West Overlook
- Salish Steps

OCEAN PAVILION
- Conservation mission/Aquarium campus
- Inclusive Exhibit experience
- Sustainability
- Program organization
- Integration with urban/waterfront context
- Showcase animal care
- Shoreline experience/materials
- Public exhibit access + Public Art
PROCESS

- Multidisciplinary / Multicultural Team
- Integration of Waterfront Seattle | Overlook Walk | Seattle Aquarium
- Waterfront Seattle Community Process
- Coast Salish Tribal Involvement
- Integrated Public Art
PROCESS
WATERFRONT PUBLIC MEETINGS: 2011
PROCESS
WATERFRONT FRAMEWORK: NEW CONNECTIONS
PROCESS
WATERFRONT PUBLIC MEETINGS: DEVELOPING DESIGN WITH THE COMMUNITY

2010 PUBLIC EVENT

2011 PUBLIC EVENT

2012 PUBLIC EVENT

2014 PUBLIC EVENT
PROCESS
WATERFRONT PUBLIC MEETINGS

LIGHTHOUSE FOR THE BLIND SIMULATION TOUR

SENIOR LUNCH AT FILIPINO COMMUNITY CENTER

COLLECTING PEOPLE’S FAVORITE ROUTES ON THE WATERFRONT

WATERFRONT SEATTLE PHOTO BOOTH AT DIA DE MUERTOS
PROCESS
WATERFRONT PUBLIC MEETINGS

CHALKBOARD IDEAS AT COMMUNITY FESTIVALS

COLLECTING EARLY INPUT AT CITY-HOSTED CIVIC EVENTS

IDEA GENERATION AT PUBLIC OPEN HOUSES

CREATIVE ENGAGEMENT AT LOCAL PARKS
# Ocean Pavilion Community Process

## Process

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>2014</td>
<td><strong>APR 1</strong> Master Plan process meeting</td>
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<tr>
<td></td>
<td><strong>JUN 19</strong> Public hearing &amp; review by SDC</td>
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<tr>
<td></td>
<td><strong>MAR 1 TO JUN 30, 2015</strong> Aquarium presents to Downtown and Waterfront community</td>
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<td>2015</td>
<td><strong>MAY 18</strong> Initial briefing to City Council Select Committee on Waterfront</td>
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<td><strong>JUN 9</strong> Draft Master Plan published</td>
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<td></td>
<td><strong>JUN 16</strong> Aquarium hosts Public Open House</td>
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<td><strong>JUL 13</strong> Second public meeting</td>
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<td><strong>AUG 3</strong> Resolution passed unanimously by City Council to approve Master Plan</td>
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<td><strong>OCT 8 TO PRESENT</strong> Master Plan and Ocean Pavilion project information posted publicly</td>
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<td><strong>OCT 30</strong> Public Hearing by the Select Budget Committee</td>
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<td><strong>NOV 16</strong> Select Budget committee passes SDOT Seattle Aquarium Expansion MOU</td>
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<td>2016</td>
<td><strong>JUL 21</strong> Public hearing and review by SDC</td>
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<td>2017</td>
<td><strong>SEP 21</strong> Public hearing by Parks, Seattle Center, Libraries, and Waterfront committee</td>
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<td><strong>SEP 25</strong> Full council passage of amended MOU to advance with Schematic Design</td>
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<td>2018</td>
<td><strong>APR 1</strong> Scoping notifications published</td>
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<td><strong>APR 19</strong> Public hearing by SDC and Overlook Walk and Ocean Pavilion</td>
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<td><strong>MAY 1 TO PRESENT</strong> Aquarium continues outreach to Downtown and Waterfront community</td>
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<td><strong>MAY 7</strong> Seattle Parks and Rec and SEAS publish initial scoping notice for EIS</td>
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<td><strong>MAY 7 TO MAY 28</strong> Public invited to comment during scoping period</td>
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<tr>
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<td><strong>MAY 24</strong> Public scoping meeting</td>
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<td><strong>JUL 18</strong> Public hearing by the Civic Development, Public Assets, and Native Communities Committee</td>
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<td><strong>JUL 23</strong> Full Council consideration and unanimous passage of ordinance</td>
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<td><strong>AUG 9</strong> Draft EIS notifications posted</td>
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<td><strong>AUG 30</strong> Notice of availability for published EIS</td>
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<td></td>
<td><strong>AUG 30 TO OCTOBER 1</strong> Public comment period open</td>
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<td></td>
<td><strong>SEP 27</strong> Public hearing</td>
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<tr>
<td></td>
<td><strong>NOV 18</strong> Final EIS delivered to public</td>
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<tr>
<td>2019</td>
<td><strong>FEB 2</strong> Public open house</td>
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<td></td>
<td><strong>DEC 4</strong> Public hearing by Civic Development, Public Assets, and Native Communities Committee</td>
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<tr>
<td></td>
<td><strong>DEC 9</strong> Full Council consideration and unanimous passage of funding and future construction agreement</td>
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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
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

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
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”
APPROACH

- Natural History of the Land and Water
- Seattle Aquarium Conservation Mission
- Waterfront Seattle Public Open House
“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
“...a once in a lifetime opportunity to emphatically connect downtown to the waterfront and to Elliott Bay, and to revitalize the environmental, social, and economic bases for the city and the entire region.”

- JAMES CORNER, JCFO
BACKGROUND

- Central Waterfront Public Open Space
OVERLOOK WALK + OCEAN PAVILION
BACKGROUND: CENTRAL WATERFRONT
BACKGROUND

- Summary of 2018 SDC Approval & Feedback
OVERLOOK WALK
APRIL 2018 DESIGN SDC COMMENTS FOR OLW

BLUFF WALK
• SHOULD BE A SERIES OF SPACES.
• EXPLAIN LESSONS LEARNED FROM THE DESIGN AND CONSTRUCTION OF THE MARKETFRONT.
• THE AMOUNT OF VEGETATION IS GOOD ALONG BLUFF WALK. INCREASE THE AMOUNT OF VEGETATED AREAS ELSEWHERE.

CAFÉ AND BRIDGE
• MAXIMIZE LEVEL SURFACE TO ALLOW FOR VIEWING OPPORTUNITIES.
• FURTHER DEVELOP THE SOUTH OVERLOOK.
• NARROWING OF BRIDGE IS GOOD AND PROVIDES ADEQUATE GATHERING SPACE.
• HEIGHT OF PROPOSED PLANTINGS ALONG THE BRIDGE OBSTRUCT VIEWS TO THE NORTH AND SOUTH.
• COMMENDED INTEGRATING THE AQUARIUM FACILITY’S ROOF OPEN SPACE WITH THE OVERLOOK WALK
• ANALYZE ACCESSIBILITY.

SALISH STEPS, NORTH/SOUTH STAIRS AND PROMENADE
• SUPPORT THE FORM AND CURVILINEAR DESIGN OF THE SALISH STEPS
• QUESTIONED IF SPACES BETWEEN STAIR RAILING AND WALL WOULD BE USED, AND MAINTAINED.
• SUPPORT PROVIDING TRANSPARENT FACADES ALONG ELLIOTT WAY.
• PROVIDE PROGRAMMING WITHIN THE SPACE BENEATH THE NORTH STAIR THAT RESPONDED TO PROGRAMMING ELEMENTS WITHIN THE ADJACENT PLAZA.
• CONTINUE TO USE THE SAME MATERIALS FOR ELEMENTS SUCH AS LIGHTING AND RAILING FOUND THROUGHOUT THE DESIGN.
"A SERIES OF SPACES, FULL OF VEGETATION"
“A SERIES OF SPACES, FULL OF VEGETATION”
"MAXIMIZING LEVEL SURFACES TO ALLOW FOR VIEWS"
OVERLOOK WALK
APRIL 2018 VIEW WEST

“MAXIMIZING LEVEL SURFACES TO ALLOW FOR VIEWS”
OVERLOOK WALK
APRIL 2018 VIEW LOOKING WEST

"RECONSIDER UNUSED SPACES BETWEEN RAILINGS AND STEPS"
SEATTLE AQUARIUM OCEAN PAVILION
APRIL 2018 DESIGN COMMENTS

ART
• INTEGRATE ART INTO THE PROJECT AS SOON AS POSSIBLE;

EQUITY
• SOLIDIFY HOW NATIVE AMERICAN ART AND PROGRAMMING ARE INTEGRATED WITHIN THE PROJECTS;
• APPRECIATE THE INCLUSION OF ACCESSIBLE VIEWS AND OVERLOOKS
• PROVIDE INFORMATION ON UNIVERSAL ACCESSIBILITY AND CIRCULATION;
• PROVIDE AN ELEVATOR THAT IS RELIABLE AND SIZED TO MEET THE EXPECTED DEMAND; DESIGN THE ADJACENT STAIR TO BE MORE APPEALING TO POTENTIAL USERS;

SUSTAINABILITY
• PROVIDE MORE INFORMATION ON THE PROPOSED SUSTAINABILITY PROGRAM;

PROGRAMMING
• PROVIDE A REPRESENTATION OF PROPOSED PROGRAMMING AND OPEN SPACES THROUGHOUT THE PROJECT SITE;
• STUDY HOW THE OCEAN PAVILION AND AQUARIUM PLAZA WILL INTERACT WITH THE EXISTING AQUARIUM AND FUTURE WATERFRONT PROJECT;

MATERIALS
• INTEGRATE OR SCREEN THE MECHANICAL EQUIPMENT ON THE ROOF OF THE AQUARIUM FACILITY, TO THE GREATEST EXTENT POSSIBLE.
• CONTINUE TO PROVIDE THE SAME MATERIALS AND COLOR PALETTE ALONG THE STAIRS, BAY STEPS, AND AQUARIUM FAÇADE;

AQUARIUM ROOF
• DESCRIBE PROGRAMMING THAT WILL OCCUR ON THE ROOFTOP OPEN SPACE.
• SUPPORT PROVIDING VIEWS INTO AN AQUARIUM EXHIBIT FROM THE ROOFTOP
• PROVIDE AN ELEVATOR THAT IS RELIABLE AND SIZED TO MEET THE EXPECTED DEMAND
• INTEGRATE THE AQUARIUM FACILITY’S ROOF TOP OPEN SPACE WITH THE OVERLOOK WALK
• RECOMMEND THAT THE MATERIALS AND COLOR PALETTE STAY THE SAME ALONG THE STAIRS, SALISH STEPS, AND AQUARIUM FAÇADE.
INTERIOR CIRCULATION

ARCHIPELAGO

THE WEB

MEET THE OCEAN

THE HUB
60% DESIGN PROPOSAL

OVERLOOK WALK + OCEAN PAVILION ROOF

- Circulation
- Bluff Walk
- Maintenance Base
- Bridge + Cafe Pavilion
- Ocean Pavilion Roof
- West Overlook
- Salish Steps
OVERLOOK WALK + OCEAN PAVILION
EXISTING CONDITION
OVERLOOK WALK + OCEAN PAVILION
CULTURAL + ENVIRONMENTAL MEANING

THE JOURNEY BETWEEN LAND AND WATER

SOILS/SUBSTRATE
sand, mud, detritus

VEGETATION
phytoplankton

WILDLIFE
aquatic invertebrates, fish, birds, marine mammals

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

VEGETATION
wetland flora, halophytes, algae, phytoplankton

WILDLIFE
aquatic invertebrates, fish, birds, marine mammals, lowland wildlife, bacteria

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

VEGETATION
riparian vegetation communities

WILDLIFE
birds, lowland wildlife

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

VEGETATION
Trees, shrubs, grasses

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

TREE NUTS

SLOPES

FORAGERS

TREE ROOTS
OVERLOOK WALK + OCEAN PAVILION
CULTURAL + ENVIRONMENTAL MEANING
OVERLOOK WALK + OCEAN PAVILION
INTEGRATED APPROACH TO THE PROJECT
OVERLOOK WALK + OCEAN PAVILION
WORKING WITH OUR TRIBAL CONSULTANTS TO TELL A CULTURAL NARRATIVE
OVERLOOK WALK + OCEAN PAVILION
USING PAVEMENT TO TELL STORIES
OVERLOOK WALK + OCEAN PAVILION

USING MATERIALS AND VIEWS TO TELL STORIES

VIEWS TO THE OLYMPIC MOUNTAINS

CULTURAL MATERIALS

TIMBER

VIEWS TO THE SALISH SEA

EXPERIENCING THE BLUFF

VIEWS TO MOUNT TAHOMA
OVERLOOK WALK + OCEAN PAVILION
THE PROJECT
OVERLOOK WALK
MARKET FRONT CONNECTION
BLUFF WALK
RAILING DESIGN - STANDARD GUARDRAIL W/ LEAN RAIL

WOOD LEANRAIL
1/4" RADIUS CORNER, TYP.
1/2" SS PLATE WELDED
TO 3/4" THK SS BRACKET

TYP. GUARDRAIL SIDE DETAIL

FINISH SURFACE

WOOD TOPPER
1 1/2" DIA. SS TUBE
FRAME W/MESH INFILL

MESH INFILL
SS STANCHION
STANCHION EMBEDMENT
WOOD TOP RAIL
SS ATTACHMENT PLATE
SS STANCHION (BELOW)
BLUFF WALK
PLAY SLOPES
BLUFF WALK
PLAY SLOPES - SLIDES

- PLANTED BUFFER
- TIMBER SEATING
- BLUFF WALK LANDING
- STEEL SLIDE + LANDING
- UPPER LANDING BLUFF WALK
- TIMBER SEATING
- PLANTED BUFFER
- MARKET FRONT
BLUFF WALK
PLAY SLOPES - CLIMBING SLOPE PRECEDENTS

QUEEN ELIZABETH OLYMPIC PARK CLIMBING WALL

SHELBY FARMS PARK CLIMBING SLOPE

SHELBY FARMS PARK CLIMBING SLOPE

TONGVA PARK CLIMBING SLOPE
MAINTENANCE BASE
ALASKAN WAY BRIDGE: ANN HAMILTON ARTIST
CAFE PAVILION
OVERVIEW
OVERLOOK WALK
NEW ACCESS TO WESTERN AVE + MARKET GARAGE ELEVATOR AND STAIRS

TO OVERLOOK WALK, OCEAN PAVILION + ELEVATOR AND STAIRS

TO WESTERN AVENUE

TO ELEVATOR AND STAIRS
OCEAN PAVILION ROOF
ENTRANCE FROM OLW
OCEAN PAVILION ROOF
VIEW TO SOUTH OVERLOOK
OCEAN PAVILION ROOF
SOUTH OVERLOOK

KEY

- PROMENADE
- SOUTH OVERLOOK
- SOUTH SEATING STEPS
- GATHERING AREA
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS

- NORTH STAIRS
- WESTERN OVERLOOK
- WESTERN OVERLOOK SEATING STEPS
- SOUTH STAIRS
- SALISH STEPS
- UPPER SALISH STEPS
- OCEAN PAVILION ROOF
- BRIDGE

+32'
+60'
+67'
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS

OVERLOOK WALK
- 50'
- 100 STEPS

OLYMPIC SCULPTURE PARK
- 35'
- 58 STEPS

PIKE HILL CLIMB
- 44'
- 88 STEPS

UNION STREET
- 55'
- 97 STEPS
OVERLOOK WALK
UPPER LANDING
OVERLOOK WALK
SALISH STEPS

KEY

- ELLIOTT BAY
- HABITAT BENCH
- LPS + SALMON CORRIDOR
- PROMENADE
- SALISH STEPS
- LANDING

+34'

+16'

Birds flying in the sky.
OCEAN PAVILION

- Conservation Mission
- Aquarium Campus
- Inclusive Exhibit Experience
- Sustainability
- Program Organization
- Integration with to Urban / Waterfront context
- Showcase Animal Care
- Shoreline Experience / Materials
- Public Exhibit Access
- Public Art
SEATTLE AQUARIUM CONSERVATION MISSION
WASHINGTON WATERS

INSPIRING CONSERVATION OF OUR MARINE ENVIRONMENT
“Many people around the world may never get to the experience the underwater, even those of us who live at the water’s edge. How can we help the public connect emotionally to our blue planet, and actually imagine themselves inextricably tied to it? - Tom Hennes, Thinc Design
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
CORAL CANYON ECOSYSTEM
EXHIBIT VANTAGE POINTS
SUSTAINABILITY DESIGN

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.

SUSTAINABILITY TARGETS
LEED Gold
70% Energy Use Reduction
95% Carbon Emissions Reduction (based on similar aquariums)

PUBLIC OPEN SPACE
Green roof with native plantings reduces storm water runoff.

BUILDING ENVELOPE
High performance glazing and building envelope.

BUILDING METERING
Metering of energy categories to track building performance.

EMBODIED CARBON REDUCTION
Low carbon concrete and rebar
Wood Siding

LIFE SUPPORT SYSTEMS
Building heating/cooling and animal life support systems share energy and recover heat from each other; Semi-closed system conserves water and energy.

DAYLIGHTING
Windows bring natural light into aquarium reducing need for artificial lights.

WATER EFFICIENCY
Low Flow Flush Fixtures

LIGHTING
Daylight Control
Power densities below stringent Seattle Energy Code.

BIOPHILIA
Exhibit vegetation brings biophilia indoors promoting human health and well-being.
ANNUAL CARBON EMISSIONS

500 Metric Tons of Carbon

400 Metric Tons of Carbon

300 Metric Tons of Carbon

200 Metric Tons of Carbon

100 Metric Tons of Carbon

2030 Baseline

Baseline Gas Heated Building

Ocean Pavilion

80% Reduction

95% Reduction

2030 Challenge
OCEAN PAVILION
LEVEL 1 PLAN

- LIFE SUPPORT SYSTEMS
- AT HOME IN THE OCEAN
- ONE OCEAN HALL
- WINDOW INTO THE CORAL CANYON
- GIFT SHOP
- LOBBY
OCEAN PAVILION
EAST ELEVATION
WEST FACADE
DETAILS

- ALASKA YELLOW CEDAR
- SUPPORT BRACKET
- STL VERTICAL SUPPORT
- INSULATION
- WATER/AIR BARRIER
- SHEATHING
- METAL STUD FRAMING
- INSULATION
- VAPOR BARRIER
- INTERIOR FINISH
INTEGRATED PUBLIC ART
OCULUS + ART LINER