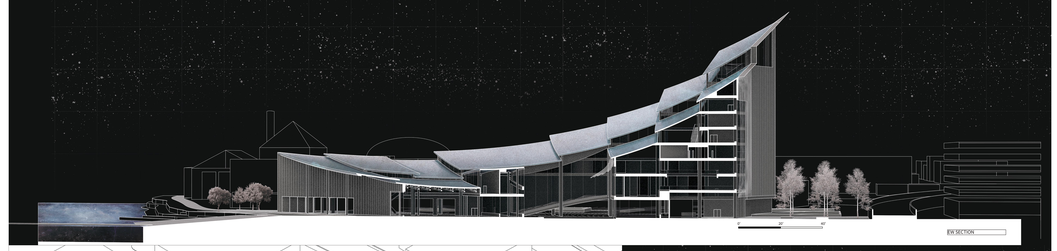
MARITIME MAKERS

The Willamette River, a major tributary of the Columbia River, served as an important piece of history and development of Portland. The river was a critical transportation route in the 19th Century, It is also part of the Willamette Valley, which is one of the most fertile agricultural regions in North America. To celebrate this natural resource, the best way is to experience it firsthand - to sail on it.

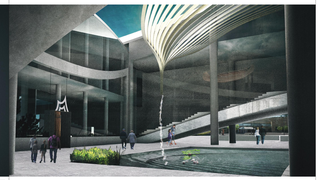
Maritime Makers aims to provide a portal for people to learn and get in touch with the river, either learn about it or create tools that will help them to experience it. The building will provide an indoor wooden boat makers space for the public, a museum that is dedicated to the Willamette River, a Maritime Scientific Research Laboratory, some office spaces and an observation deck.

VIEW FROM NE'S

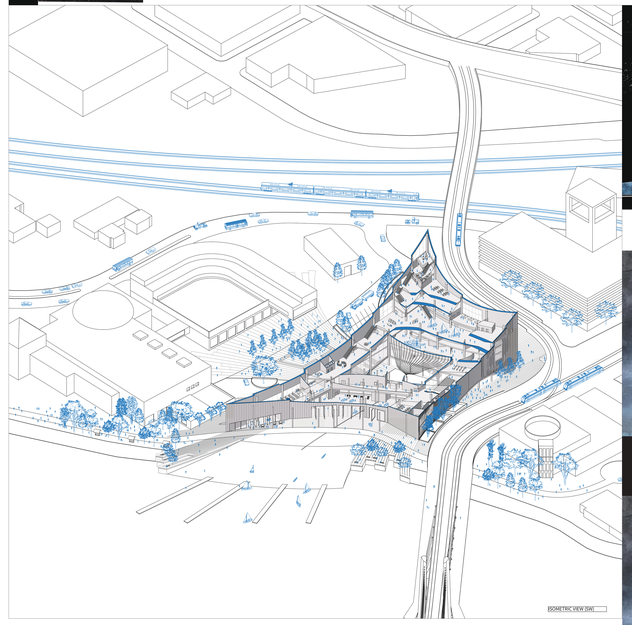


NS SECTION

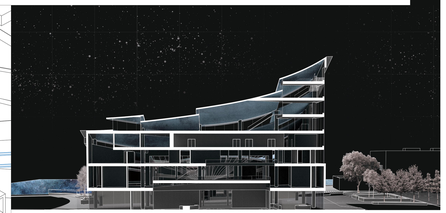
BUDEUM 13'



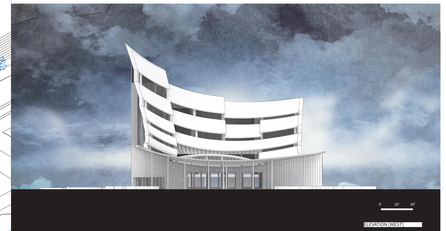
CENTRAL COURTYARD



ISOMETRIC VIEW (SW)



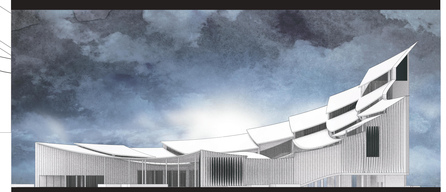
BS SECTION



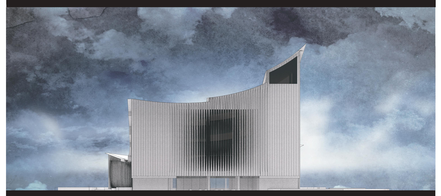
1' MONTAGE (NS 1')

VIEW FROM SE

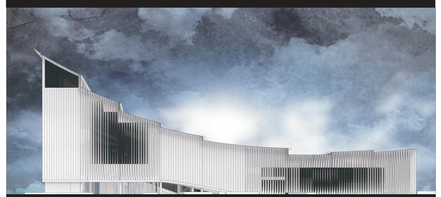
OBSERVATION LEVEL



1' MONTAGE (SOUTH)

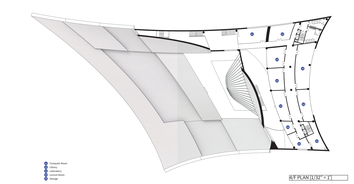


1' MONTAGE (EAST)



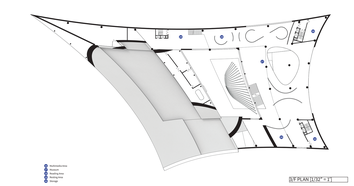
1' MONTAGE (SOUTH)

G' F PLAN (1/16" = 1')



Computer Room
Lobby
Collections
Meeting Area
Storage

02 F PLAN (1/16" = 1')

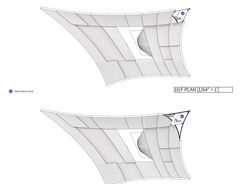


Multimedia Area
Museum
Meeting Area
Lobby
Storage

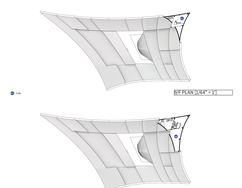
01 F PLAN (1/16" = 1')

Museum
Lobby
Conference Room
Meeting Area
Lobby Room
Classroom
Meeting Room

00 F PLAN (1/16" = 1')

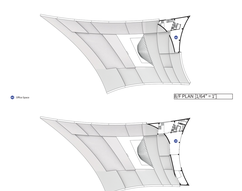


03 F PLAN (1/64" = 1')



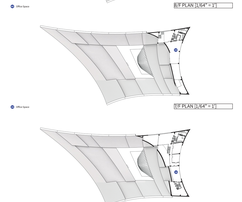
Materials Store

02 F PLAN (1/64" = 1')



Cafe

01 F PLAN (1/64" = 1')



Office Space

00 F PLAN (1/64" = 1')

Office Space

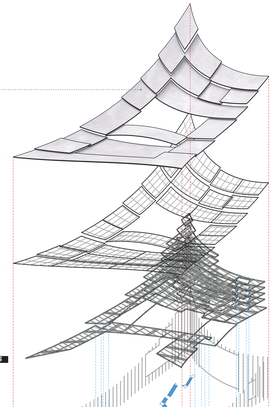
G F PLAN (1/64" = 1')

Materials Lab

B F PLAN (1/64" = 1')

Museum Store
Classroom

CIGS*S WHITE PV PANELS



ROOF LOCATIONS

ROOF STRUCTURES

FLOOR PLATE STRUCTURES

STAIRCASE CIRCULATION

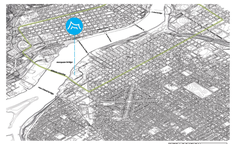
WALL STRUCTURES

ELEVATOR SHAFTS

HVAC SYSTEMS

FACADES PANELS

LANDSCAPE PATTERNS

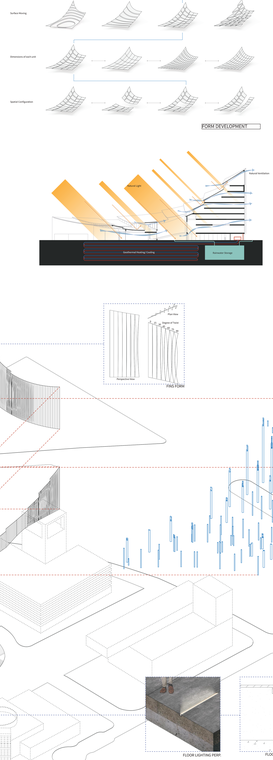


SITE LOCATION

WIND DIRECTION (YEAR AVERAGE)

SHADOW COVERAGE (SUN SHADING - MAR | 10AM | 12PM | 15PM)

SHADOW COVERAGE (SUN SHADING - JUNE | 10AM | 12PM | 15PM)

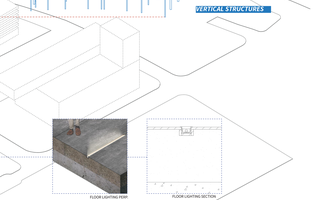


FORM DEVELOPMENT

FINS FORM

WALL SECTION

FLOOR SECTION



VERTICAL STRUCTURES

FLOOR LIGHTING PERP.

FLOOR LIGHTING SECTION

EXPLODED DETAIL VIEW