## ABOUTHE THEME

This year's canoe, Willamette, is a tribute to the rich indigenous history and sustainability of the Willamette Valley and River. Oregon State University is located in Corvallis, Oregon, in the "Heart of the Valley" as Corvallis literally translates to. Indigenous tribes of the Willamette Valley have been effectively managing their environments for generations, with one of the most notable practices being controlled fires. Controlled fires renewed and fertilized the earth, decreased risks of large wildfires, and contributed to the overall health of the valley's ecosystem. Each color and design on the canoe represents a different piece of our theme.

## Red Represents Fire

Annual controlled fires had numerous benefits to Native Americans, including restoring the ecosystem health and food supply.

## Black Represents Destruction and Resiliency

Designed to reflect charred vegetation after a burn, black symbolizes how destruction can facilitate growth and renewal.

## Tan Represents Oak Savannas

These were part of the result of controlled fires, which opened up
expansive valley floors and left a few unyielding oak trees.
Colored Bands Represent a Continuous Cycle
Similar to the rings on a tree, these bands symbolize the annual cycle the Willamette Valley experienced, of fire and destruction, verdant landscapes, and oak savannas.

Moment Enveiope


Mold Consiruction


Cutting out ribs using CNC machine


Aligning Cross Sectional Ribs


Shaping Foam to Ribs

CANOE SPECIFCATIONS

| Name | Willamette |
| :--- | :---: |
| Length | $19 \mathrm{ft} .-9 \mathrm{in}$. |
| Max. Width | 25 in. |
| Max. Depth | 13.5 in. |
| Avg. Hull Thickness | 0.5 in. |
| Est. Weight | 235 lb. |
| Colors | Red, Black, Tan, White |
| Primary Reinforcement | Fiber Glass Mesh |
| Secondary Reinforcement | Prestress Wires |

Mixiure Deveopment


Concrete Mixture Constituents


Compression Testing Cylinder

## Casting of Wllameite



Placing Concrete


Troweling Concrete


