

# Enhanced Pontoon Cover



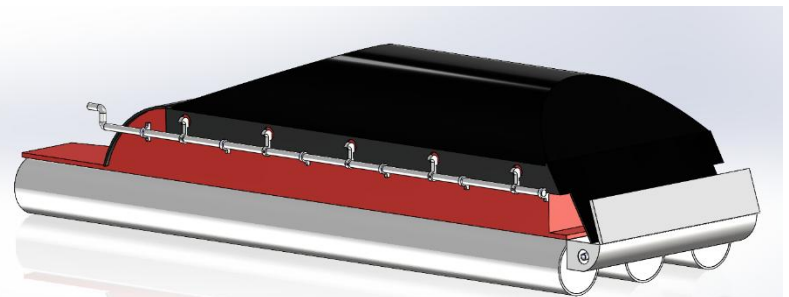
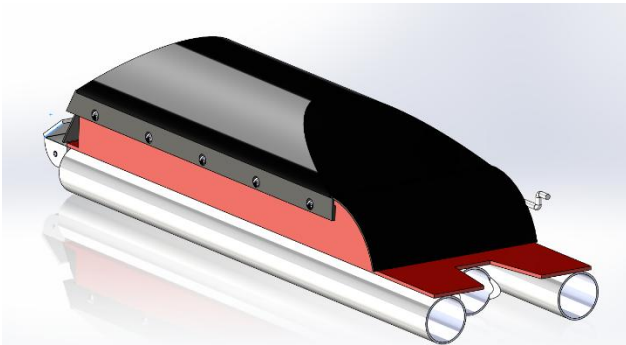
From left to right: Ryan McCorkle, Tony Weeks, Ryan Doerr, and Jacob Yang

## PROJECT SUMMARY:

The development of an advanced pontoon cover addresses common frustrations with traditional snap mechanisms, which are often brittle, difficult to use, and time-consuming to operate. Many boat owners find the process frustrating, sometimes even jumping into the water to reach connection points. These challenges diminish the boating experience, making maintenance onerous. This project aims to develop a pontoon cover that enhances user convenience while providing effective protection.

## DESIGN GOAL:

A pontoon cover system that enhances ease of use and reduces deployment and retraction times. The design features a single side-securement mechanism at the stern, a built-in roller system for smooth deployment and storage, and bimini-assisted deployment to guide the cover over obstructions.



# WINNEBAGO INDUSTRIES

## TEAM 22

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## DESIGN CONSTRAINTS:

- Deployed and retracted in less than 3 minutes.
- Easy storage of cover on board.
- Secure when applied during towing up to 80 mph.
- Withstands 4" of uniform snow while deployed.
- Water resistant (IP66) and Proper UV protection (UPF of 40).