



SAN ANTONIO RIVER BARGES
FROM PROTOTYPE TO PRODUCTION

METALAB

JANUARY 2017

METALAB]

ARCHITECTURE

PRODUCT DESIGN

CIVIC ART Project Management





PRODUCT DESIGN



Mobile Grid is the designer and manufacturer of juiceBOX, a family of solar generators and microgrid products for clients looking to reduce energy costs and establish infrastructure.



Mobile Grid / Metalab
EkoCenter for Coca Cola
with DEKA Research & Development (Dean Kamen)



SELECTRUCKS
CUMMINS
SELECTRUCKS OF HOUSTON
www.selecttrucksofhouston.com

SELECTRUCKS
FREIGHTLINER
SELECTRUCKS OF HOUSTON
www.selecttrucksofhouston.com

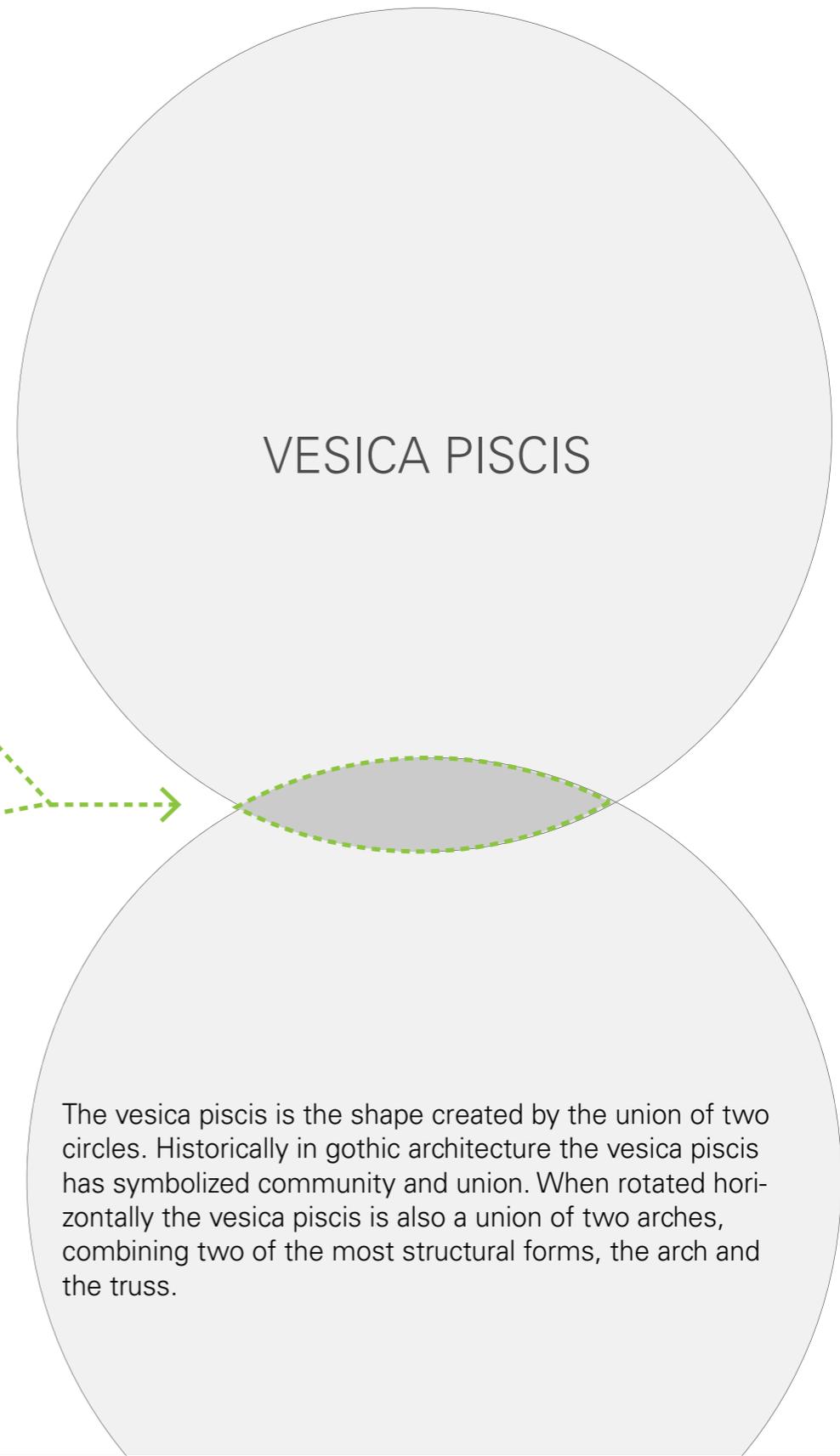
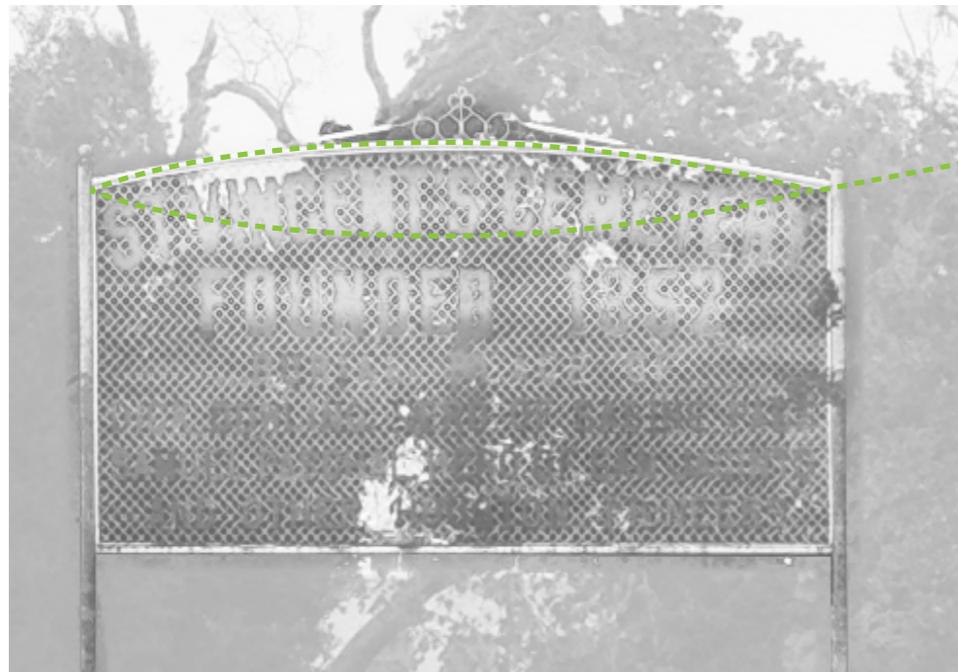


Mobile Grid / Metalab
GoFarm for Helical





Navigation Esplanade, Greater East End Houston







PHILIPS

ringo



Blue storage bins on a shelf in the background.

White cabinet with shelves containing various small parts or tools.

Computer workstation with a monitor and keyboard on a desk.

Shelves on the right side of the image holding various electronic components and boxes.

Blue machinery or equipment on the left side of the image.

Workbench with a white sheet of paper and various tools.

Four clear plastic bottles with gold-colored caps on a shelf.

Spool of white material with a pink ribbon.

Spool of white material with an orange ribbon.

Spool of white material with a yellow ribbon.

Spool of white material with a blue ribbon.

Labels hanging from the shelving unit.

Cardboard boxes on the right side of the shelving unit.

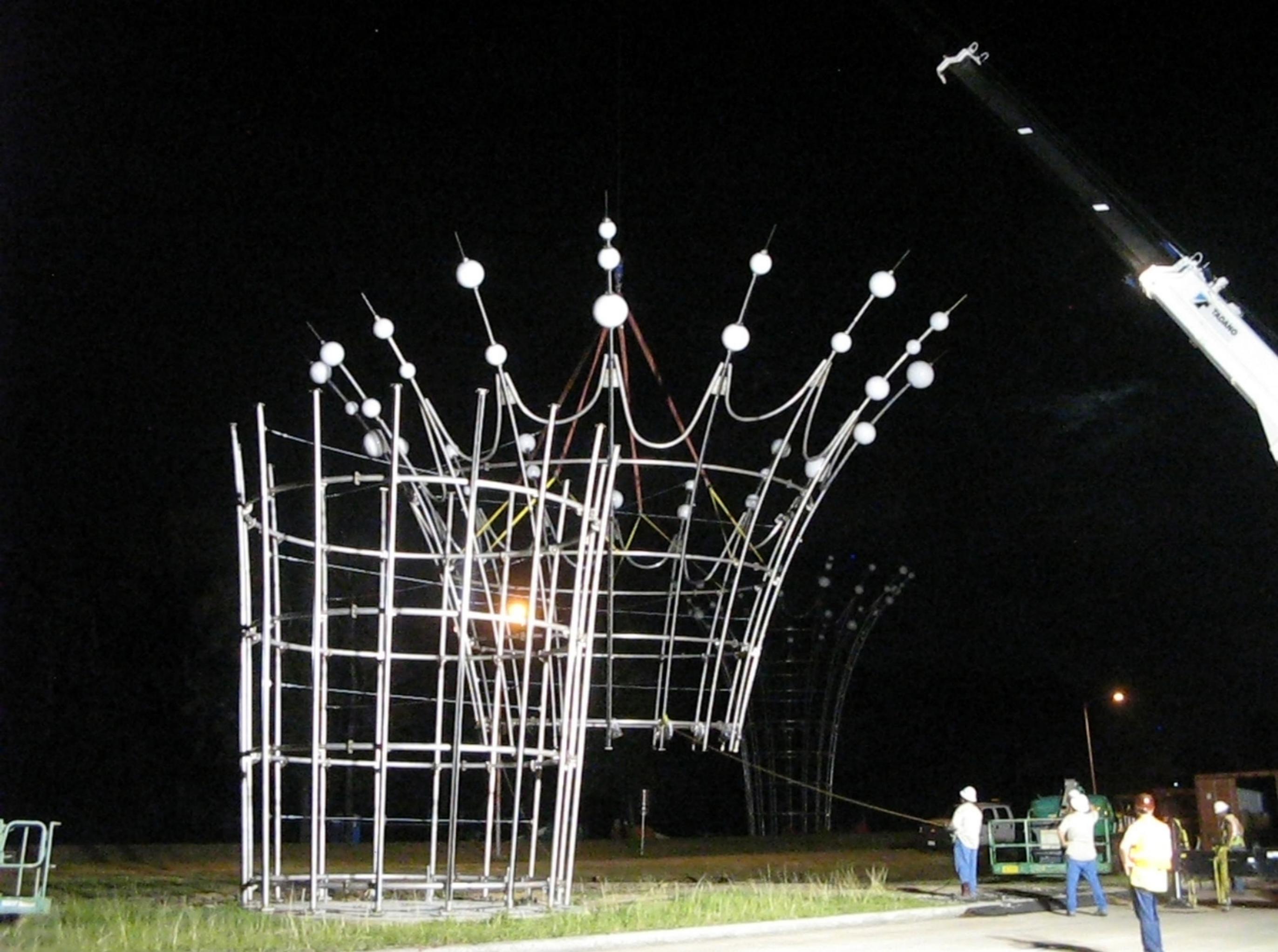
Stacks of cardboard boxes and a roll of silver material on the bottom shelf.

Cardboard boxes at the bottom left corner.



PUBLIC ART













ARCHITECTURE



AIA
San Antonio



CITY OF SAN ANTONIO

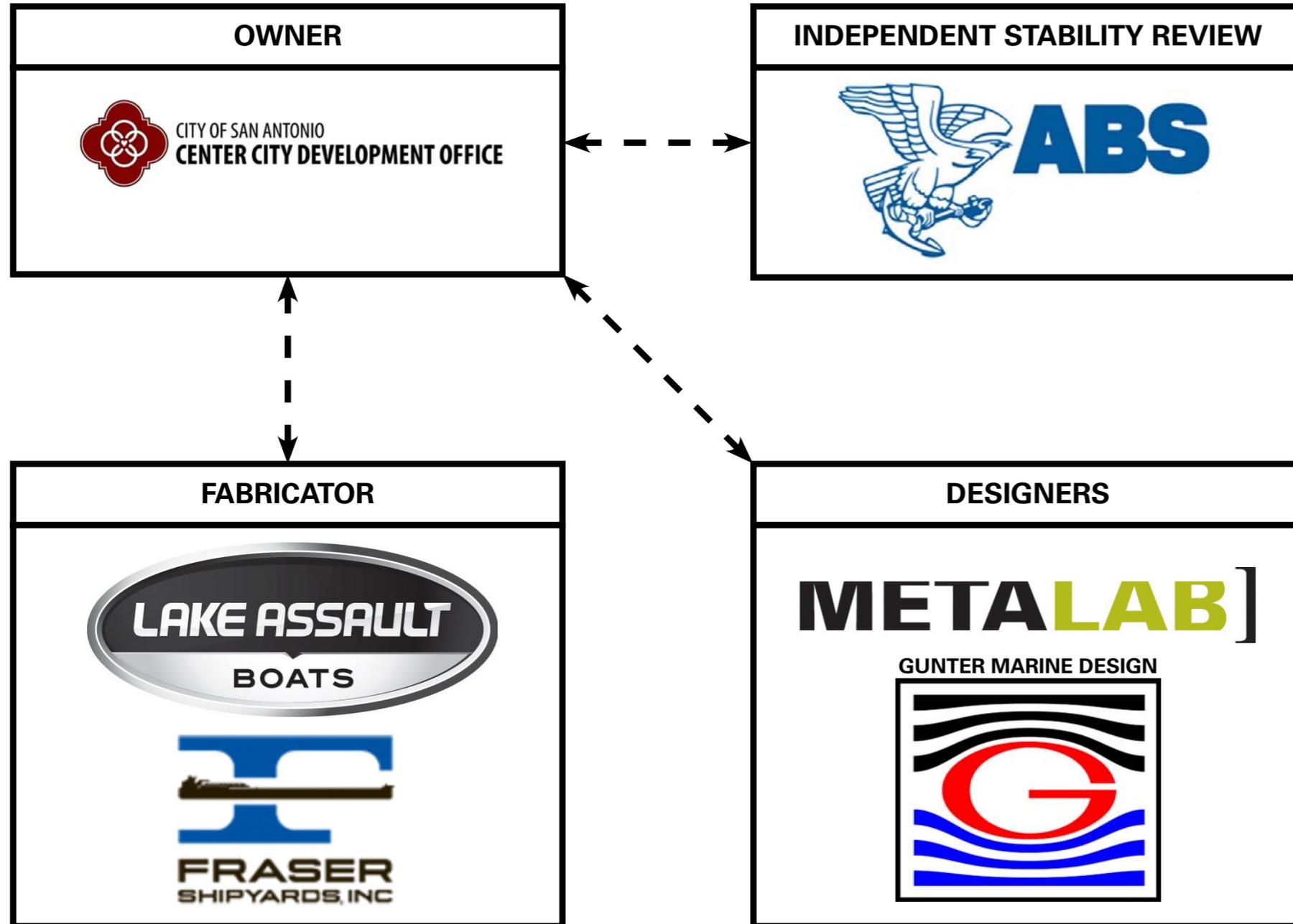
RIVER BARGE DESIGN COMPETITION

UPDATED 11/19/2015





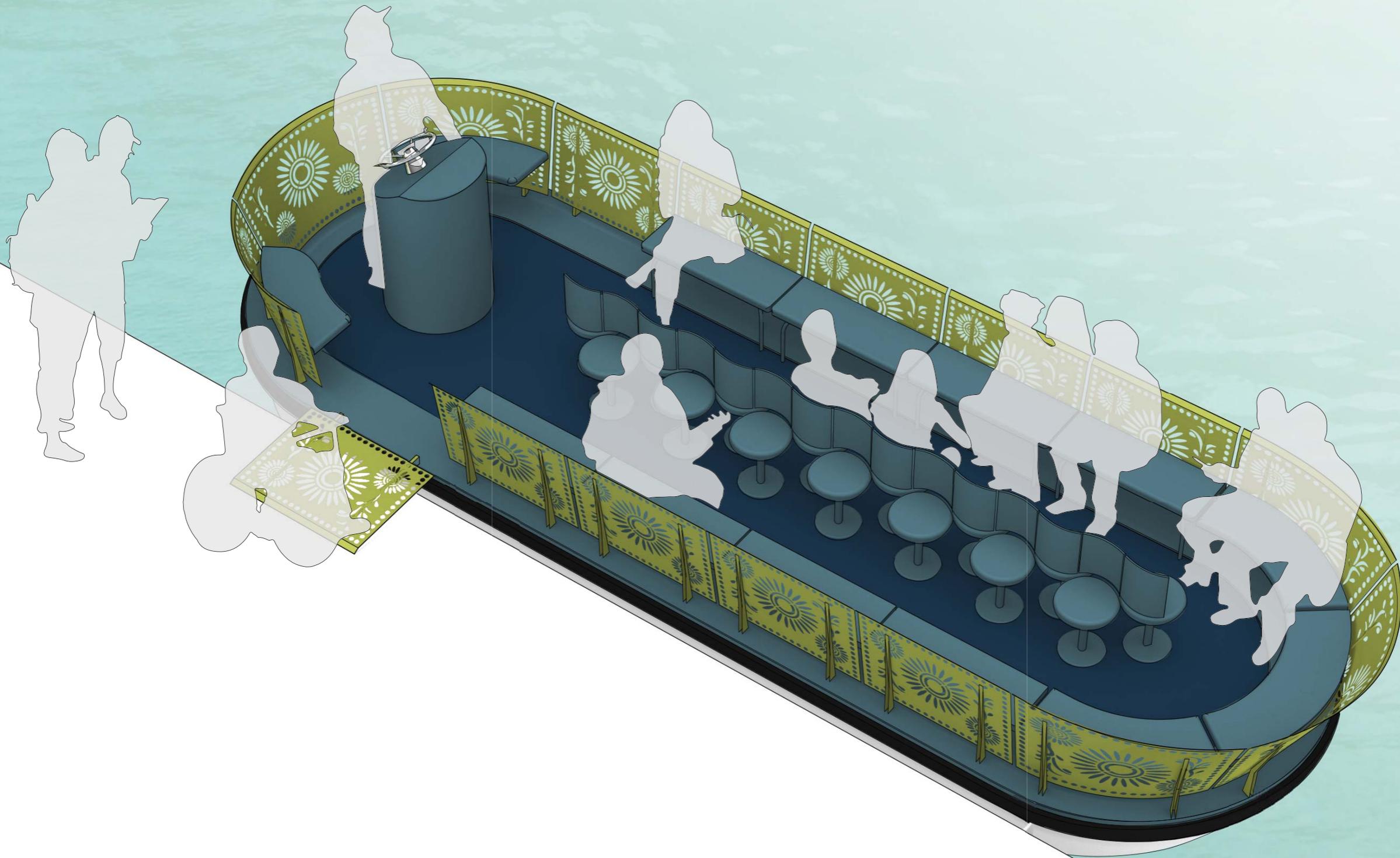
PROJECT TEAM



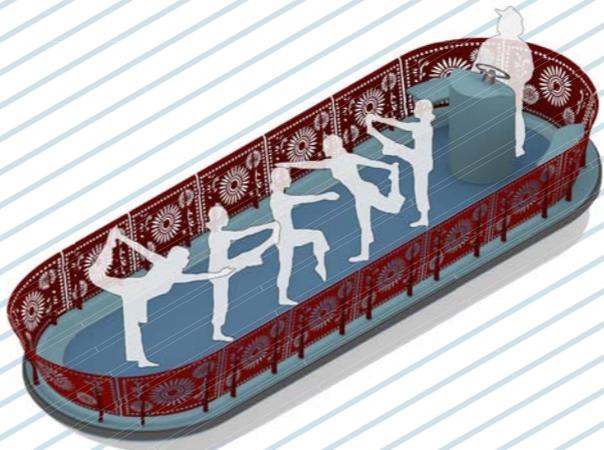
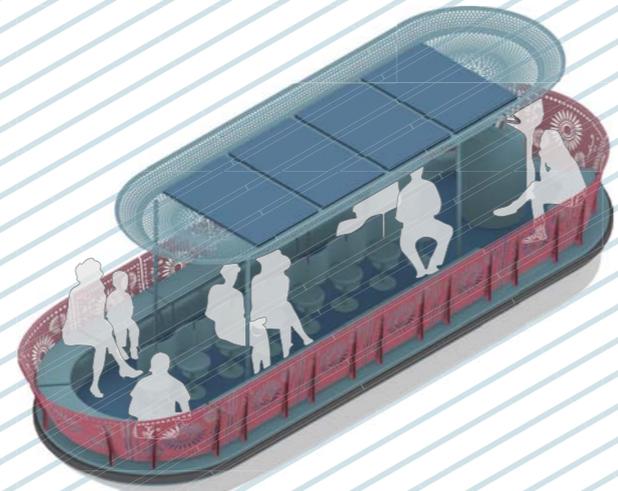
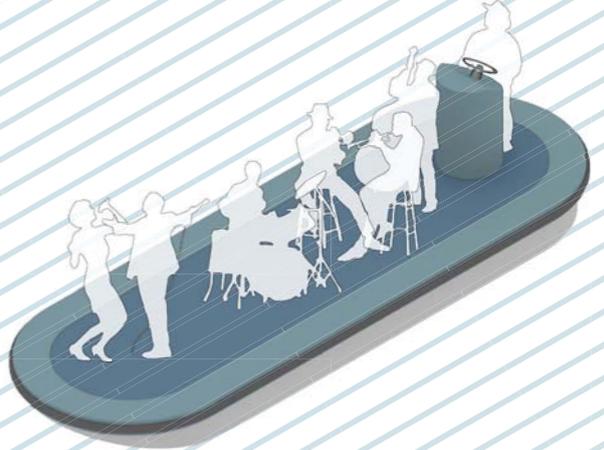
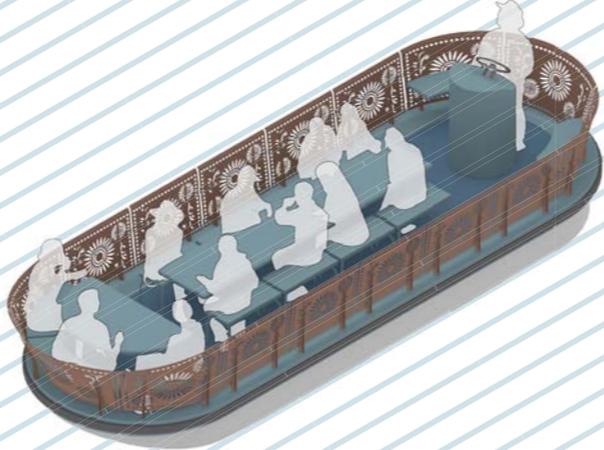
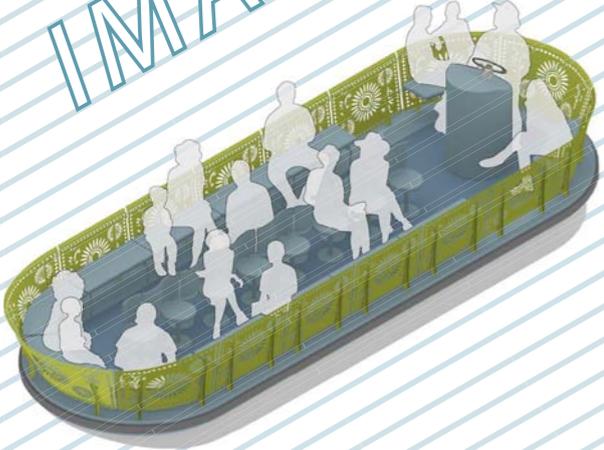
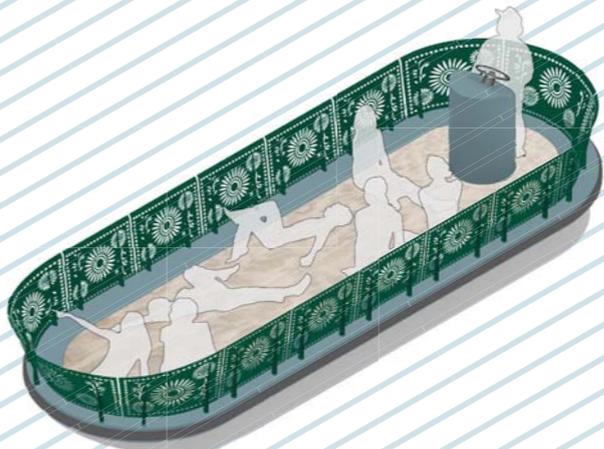
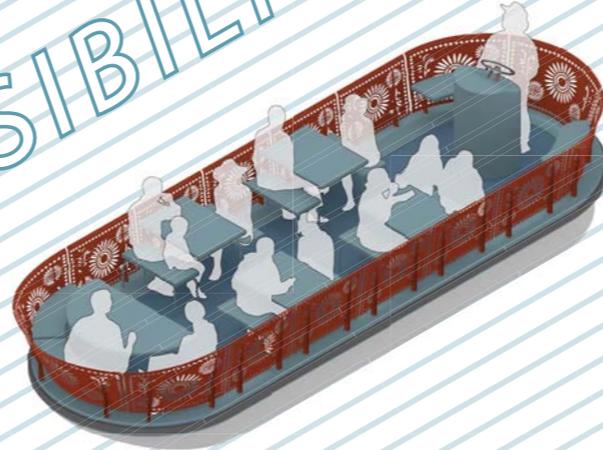
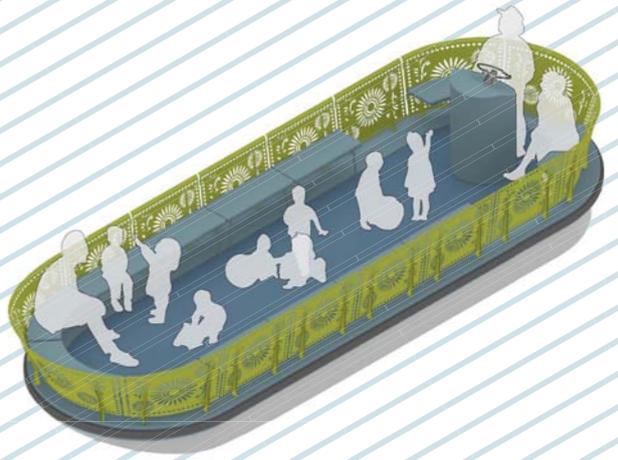
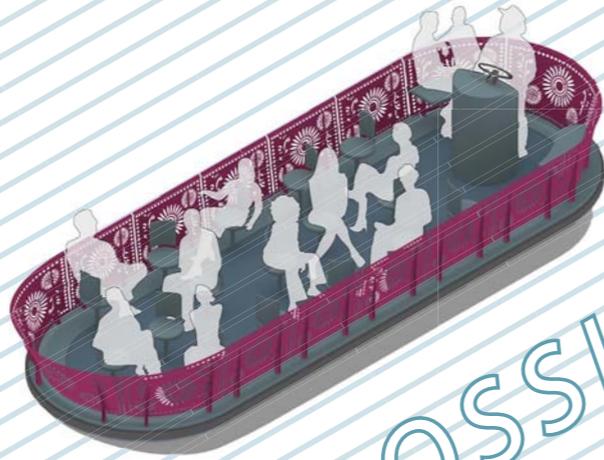
“Based on the features/characteristics of the waterway in question, it is not deemed to be navigable in line with regulatory requirements that would require a Coast Guard inspection on the vessels discussed.”

LT J. M. Robertson, US Coast Guard District 8

RIVER BOAT



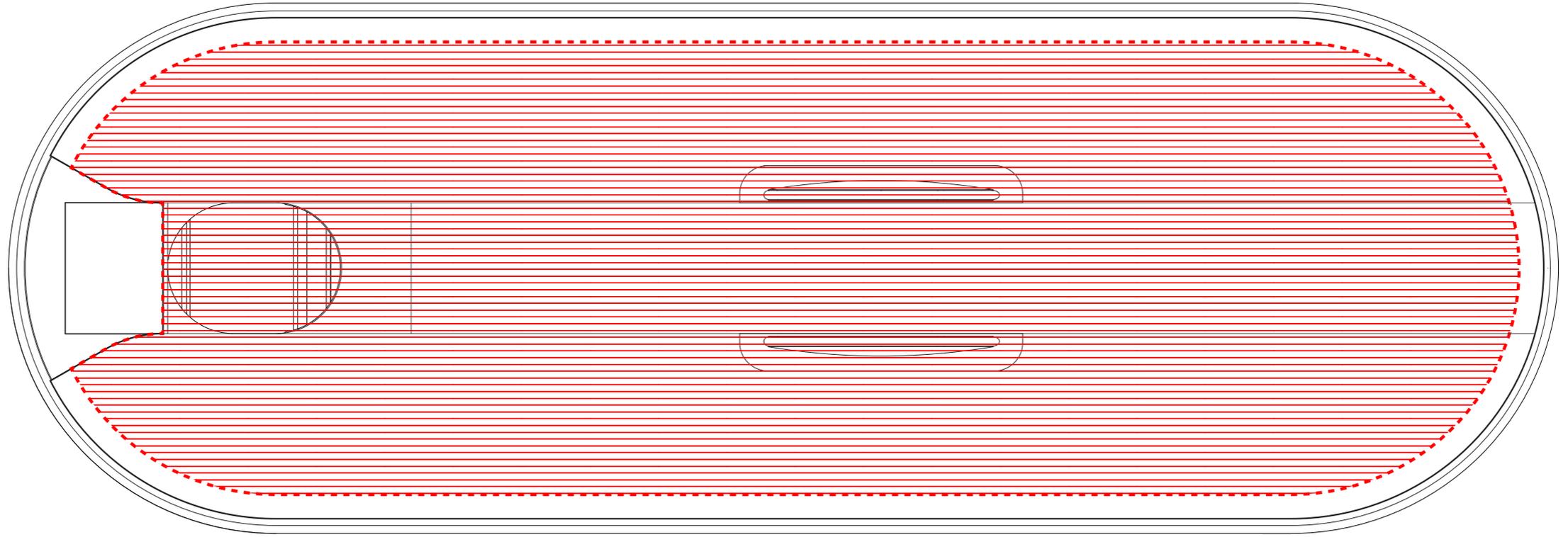
IMAGINE THE POSSIBILITIES...



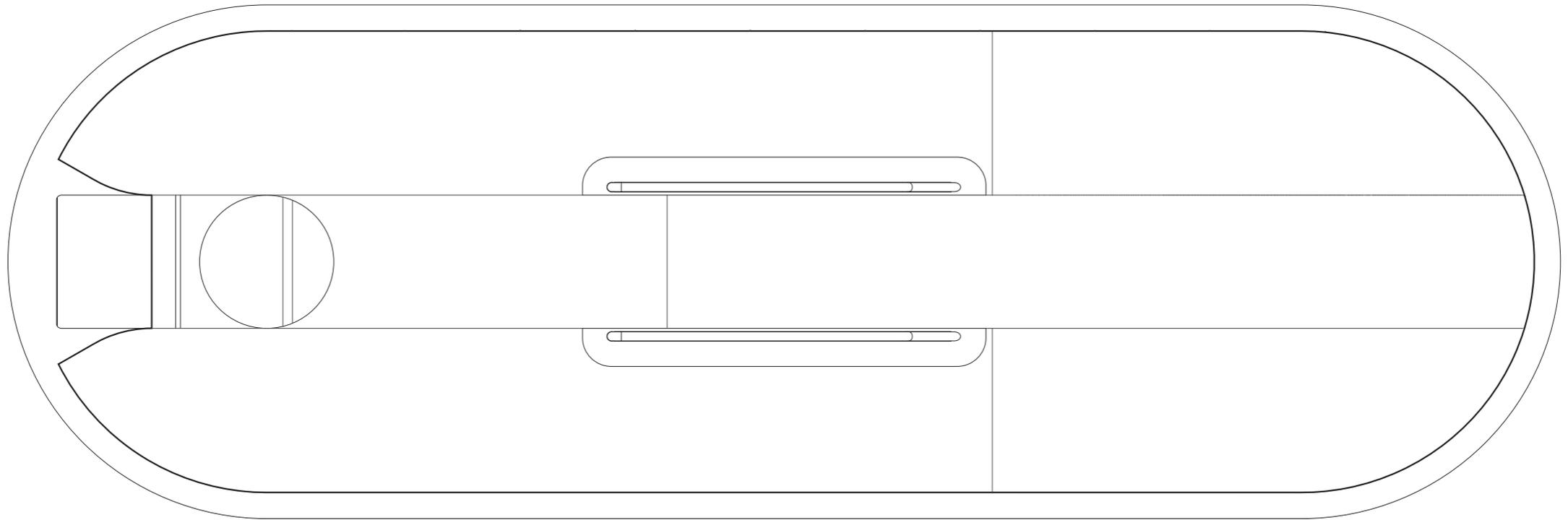




PRODUCTION BARGE

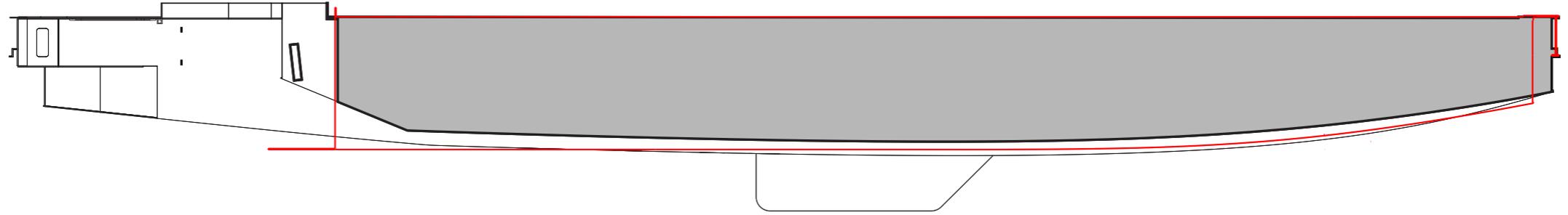


PROTOTYPE BARGE

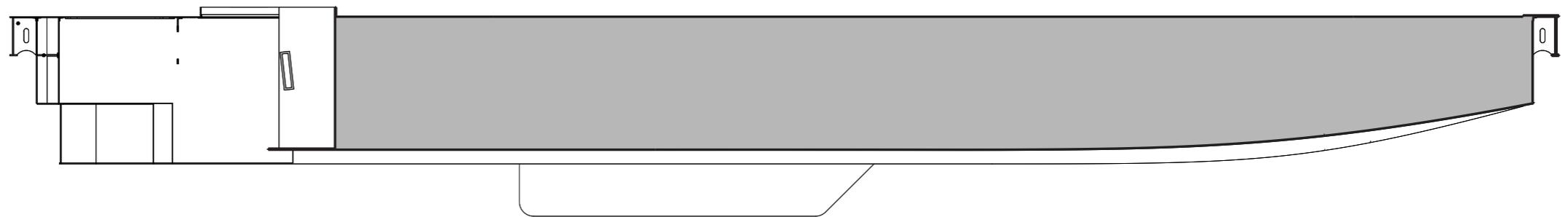


HULL CHANGES FROM PROTOTYPE TO PRODUCTION

PRODUCTION BARGE



PROTOTYPE BARGE



HULL CHANGES FROM PROTOTYPE TO PRODUCTION

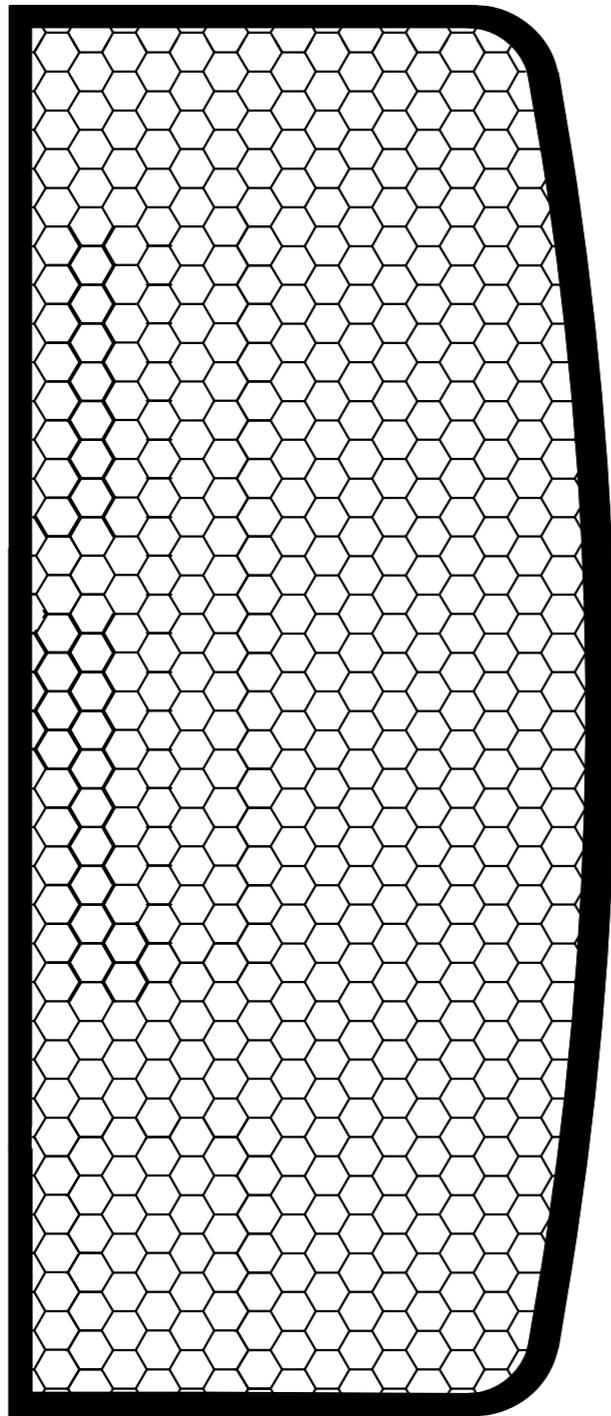


PROTOTYPE BARGE

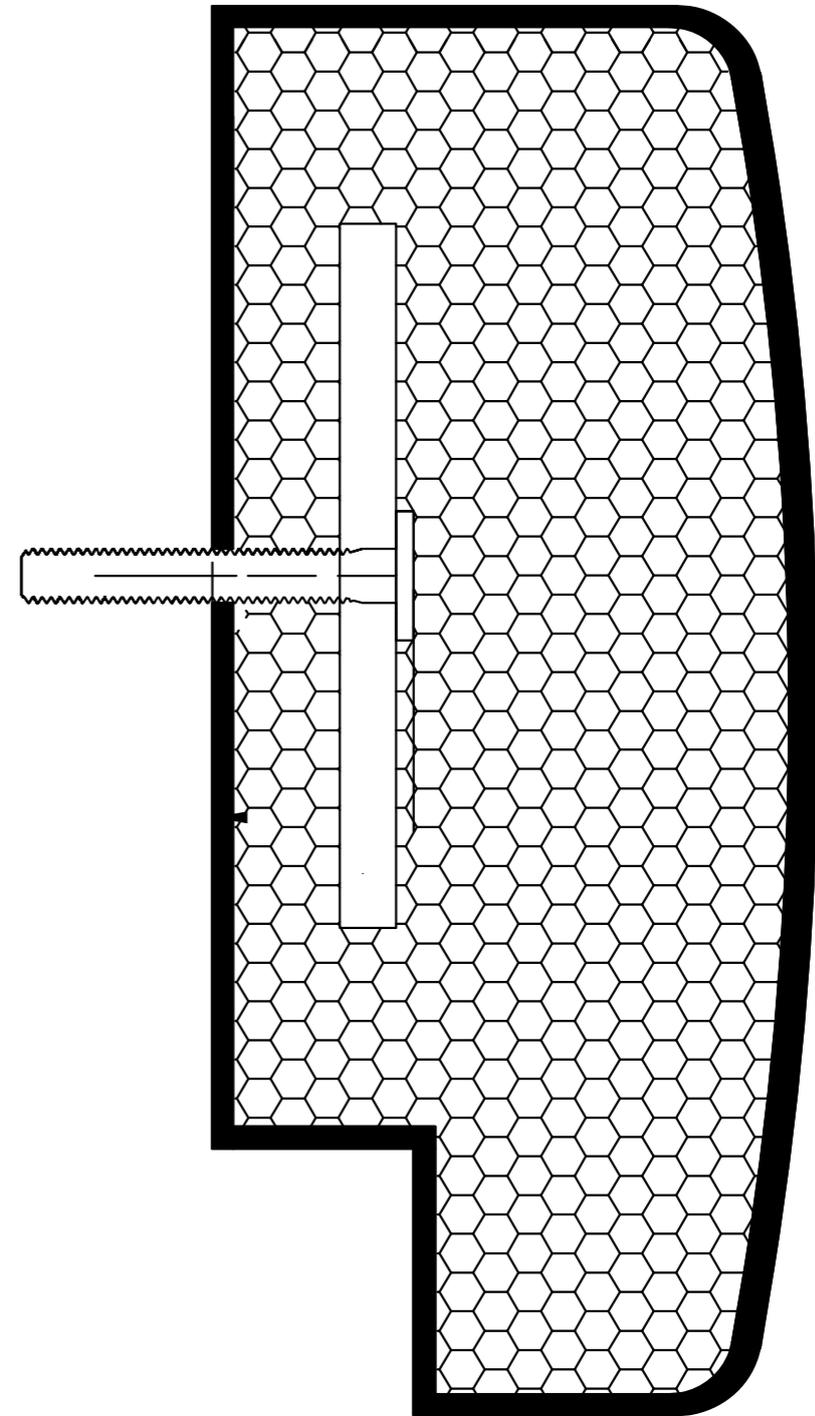


PRODUCTION BARGE

ACCESSORY CHANGES FROM PROTOTYPE TO PRODUCTION



PROTOTYPE BARGE



PRODUCTION BARGE



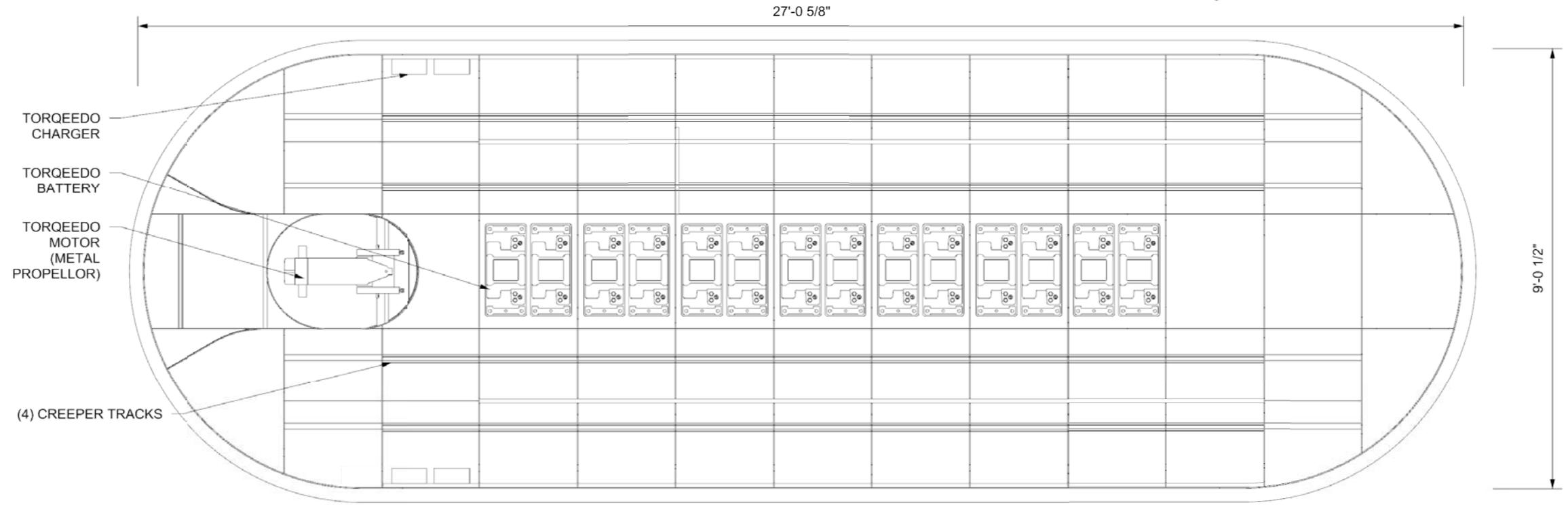
PROTOTYPE BARGE



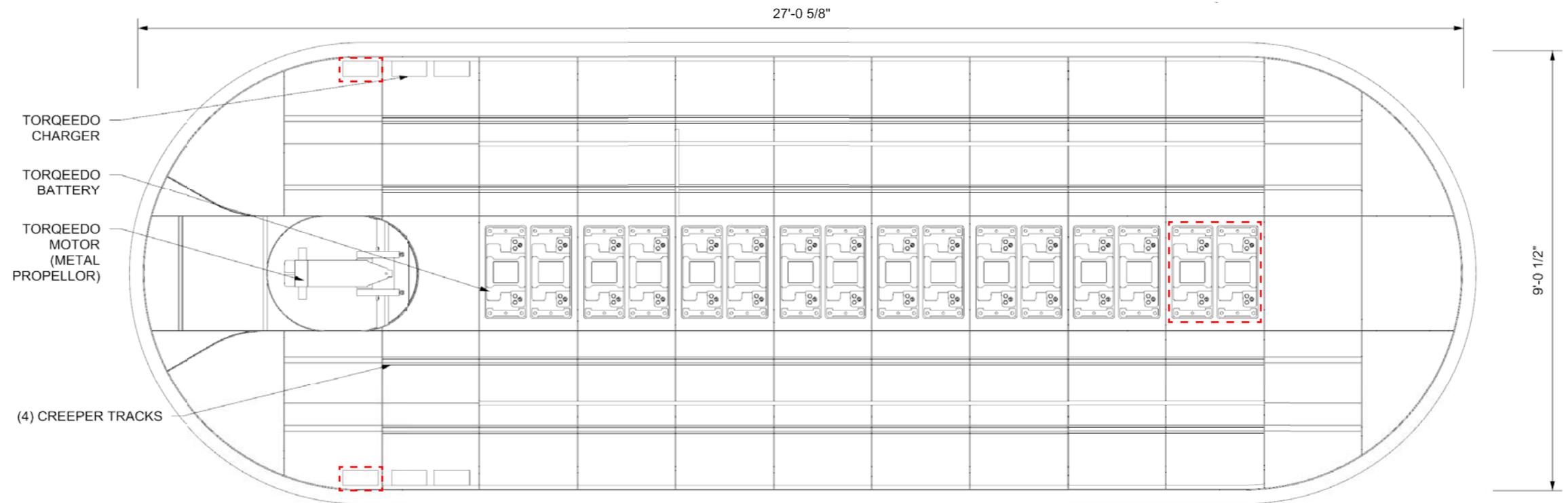
PRODUCTION BARGE

ACCESSORY CHANGES FROM PROTOTYPE TO PRODUCTION

PROTOTYPE BARGE



PRODUCTION BARGE



ACCESSORY CHANGES FROM PROTOTYPE TO PRODUCTION

Other changes to the prototype:

- Rail stanchions move from 3/16" aluminum to 1/4" stainless steel.
- Top rail becomes continuous and not segmented.
- Console dimensions extend from circle to oval shaped.
- The gates get a cane bolt to help keep them more rigid when closed
- Bistro table dimensions to become smaller.
- Improved steering mechanisms specified.