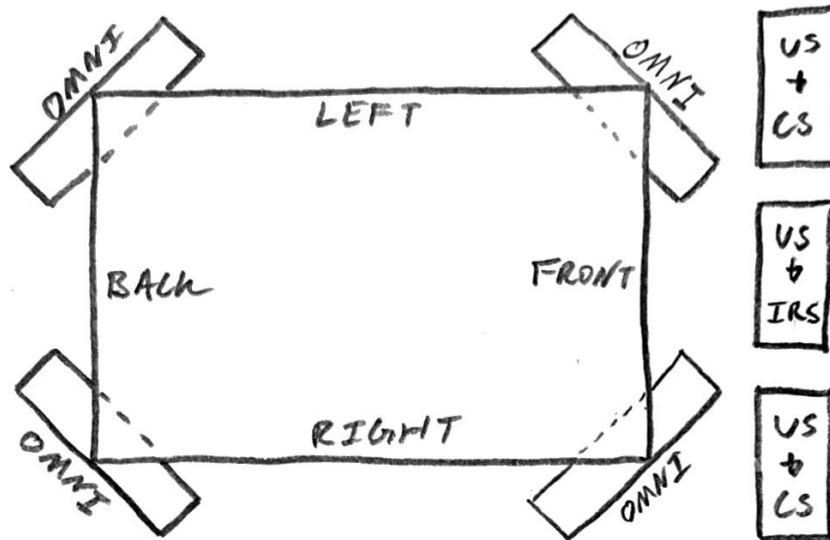


DESIGN 3

TOP VIEW



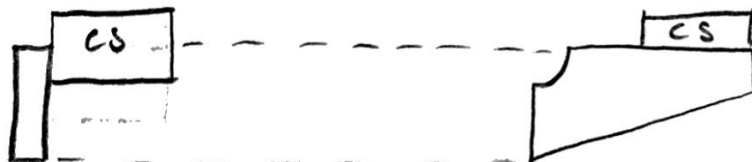
- ANGLED (CORNERED) OMNI WHEELS (2 DEGREES OF FREEDOM)
- 3 IN-LINE + PARALLEL ULTRASONIC SENSORS
 - 2 COLOR SENSORS (ONE ON EITHER SIDE)
 - 2-4 IN-LINE + CENTERED INFRARED SENSORS
- INTERNAL (ON-BOARD GRIPPER) BOX PARAMETER DETECTION

GRIPPER SENSOR PLACEMENT



FRONT VIEW

TOP VIEW



- COLOR SENSOR TO DETERMINE BOX COLOR
- FORCE SENSOR TO DETERMINE BOX SIZE