

## **DYLAN COURTNEY** Industrial Design Portfolio

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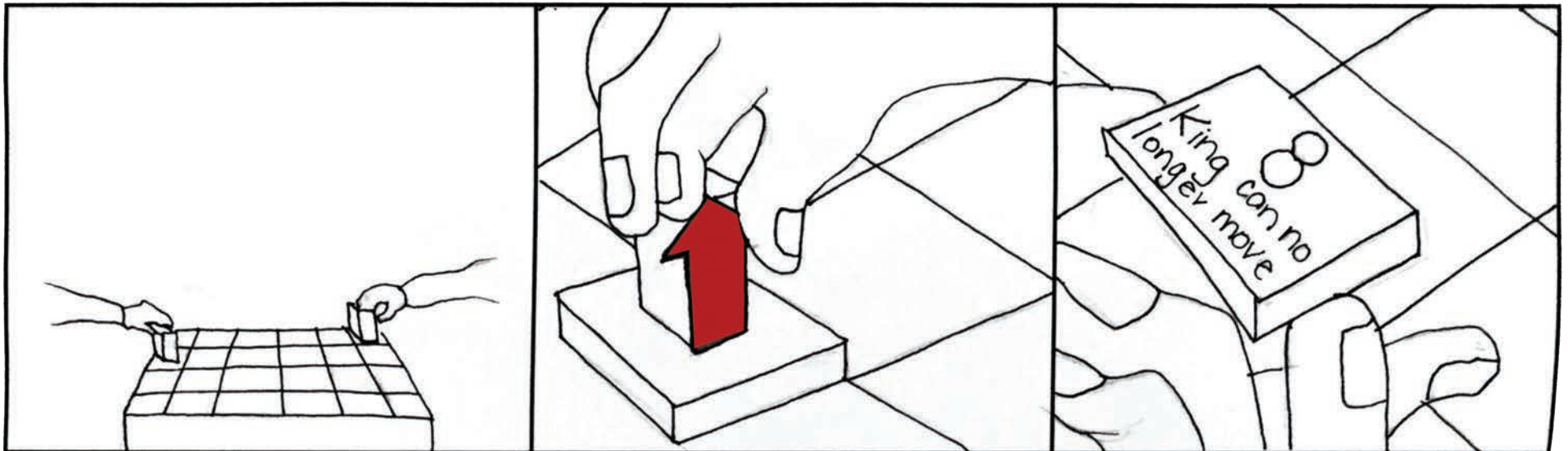
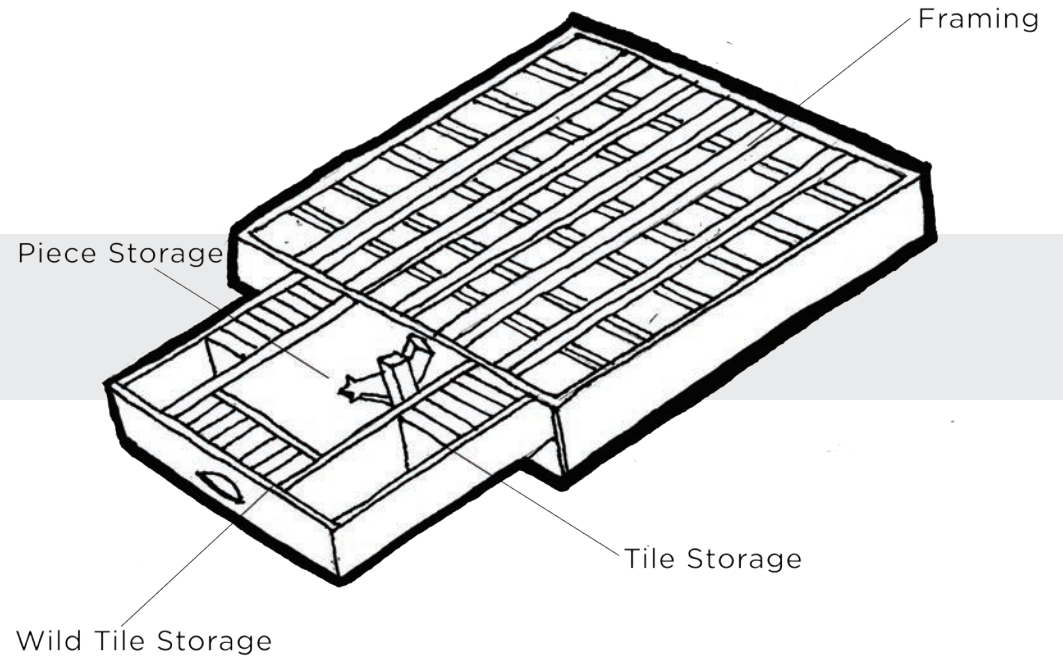
# 01 Wild Tiles

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Designed a product for the game of chess that impacted the opponent's relationship.

## Design Development

Observations have shown that players get frustrated due to competitive and strict matches, that can be lengthy at 30-45 min.



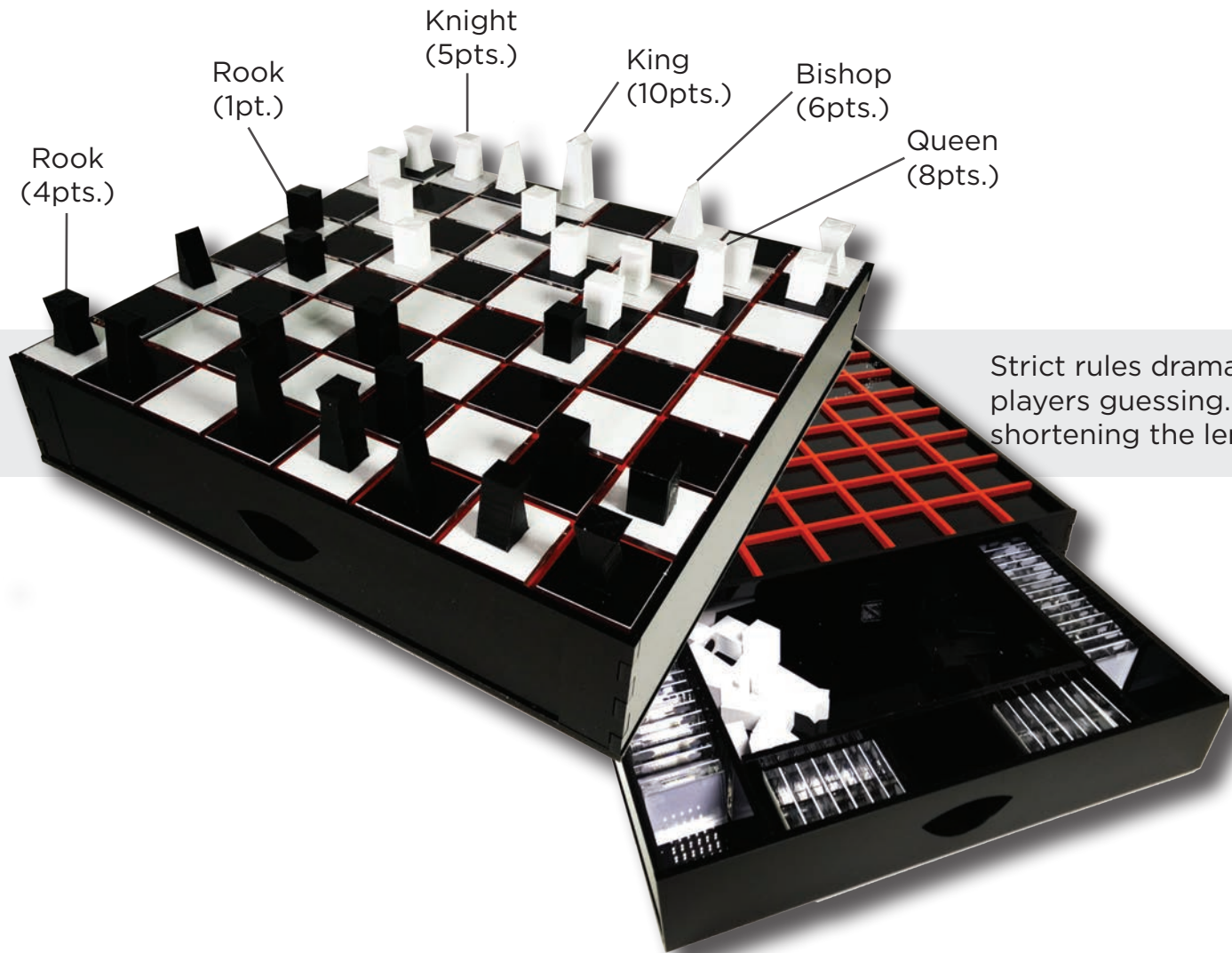
players organize pieces for gameplay

place piece on tile

piece snaps onto Wild Tile to reveal



## Gameplay



Strict rules dramatically alter the gameplay leaving players guessing. Below are sample rules shortening the length of the match to 9-20 min.

1

5 minutes left in game

2

Lose half your pawns

3

Lose next turn

5

King & rook switch

6

Game over

8

Make your own



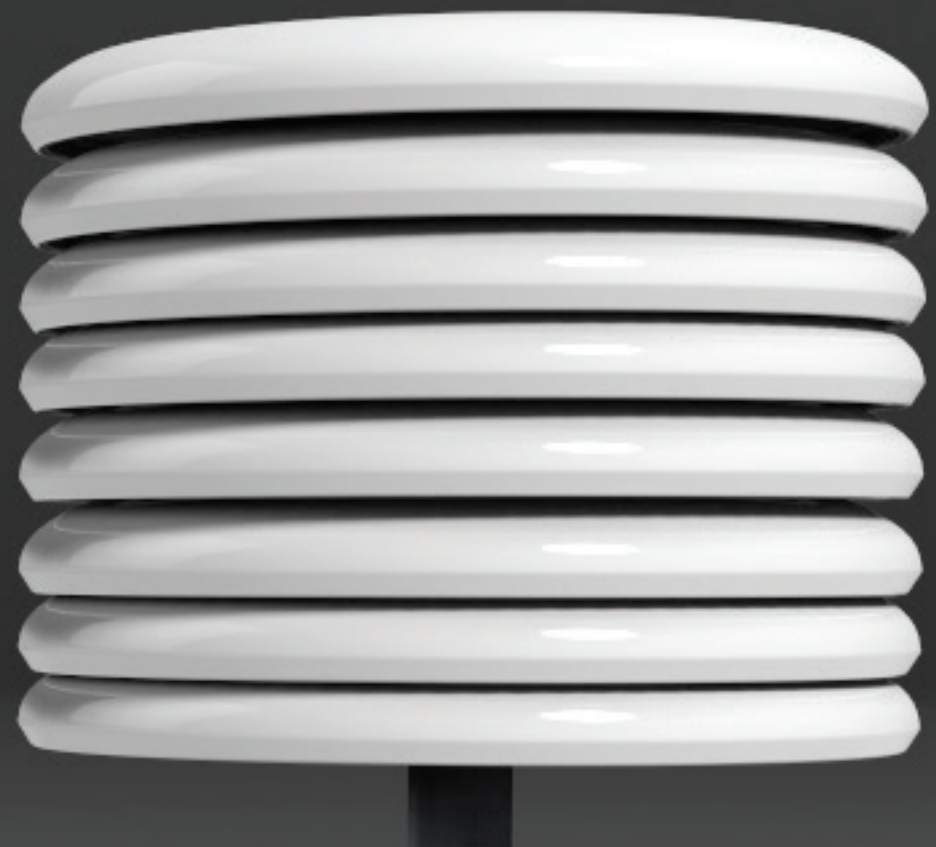
Final Product



## **02** Fly-By-Light

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Designed a luminaire using sustainable design practices that creates an effect using materials that have been explored for a restaurant setting.





## Research

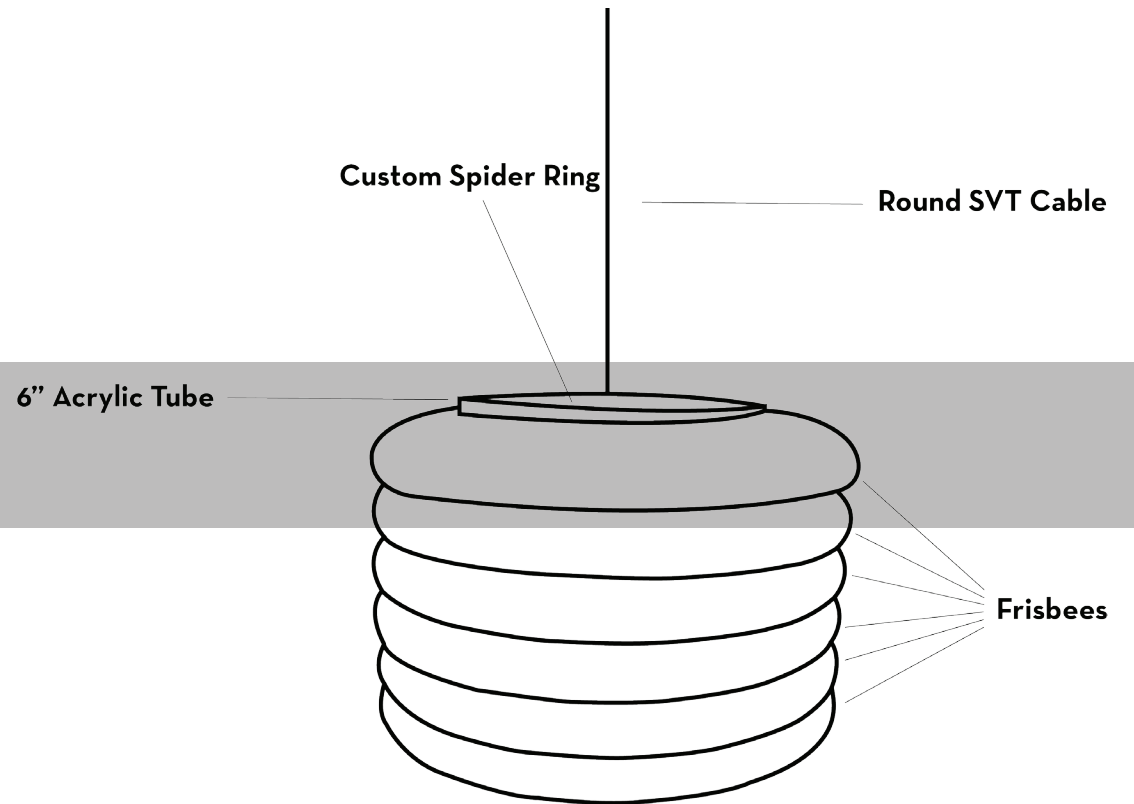
To understand lighting, lighting studio visits and material explorations were conducted to better understand the industry. Exploraiton allowed me understand the potential of an effect by re-purposing a widely manufactured product. The effect of light on a frisbee is the visual aspect of light reflected into a gradation of light and dark.





## Design Development

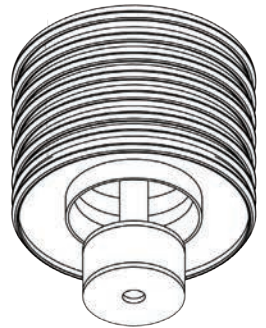
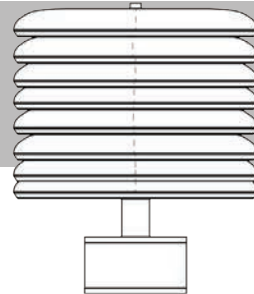
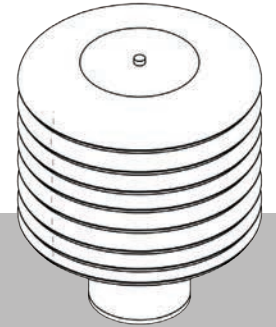
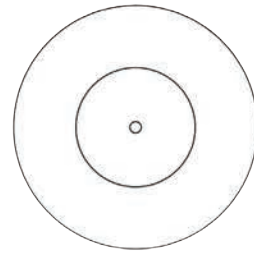
The product was designed as a hanging lamp, before developed into a table lamp for a restaurant.



Final Product









**FLY-BY-LIGHT**







## 03 Center Stage

Collaborated with a team to design a bathroom vanity experience for Kohler's luxury brand, Roborn.

## Research

The client is a CEO of a business & has a high salary. She travels 40% of the time to meet with others about business relations.

People fitting the client profile were surveyed, giving insights on a solution. The proposed solution was marketed as a workspace that broke down the routine.



## Design Development

Creates a simple routine and allows the user to confidently attend to their schedule by including a division of space. Designed modules give flexibility to the user.



## Final Product

The sink side can be adjusted differently, but is a typical design with organized storage.

The personal care side allows for the user(s) to be able to focus on their tasks with the ability to sit down.



Rendering by: Dylan Courtney, Jason Horne, Sarah Nellis

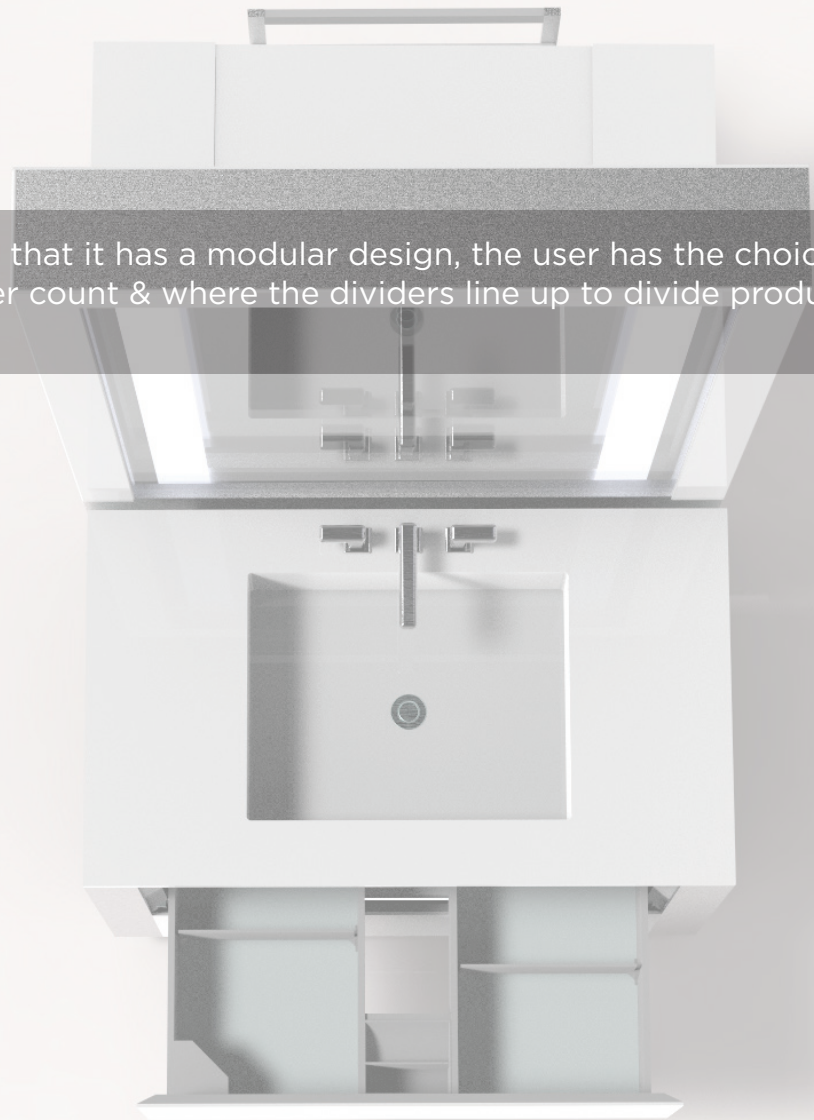


## Modularity

The design can be built modularly how the user would like. Configurations includes the ability to pair with a cold storage unit to store makeup.

Being that it has a modular design, the user has the choice of drawer count & where the dividers line up to divide products.

# SINK



# CARE

The personal care side is a dry space given the user a workspace to do all of their makeup/grooming needs.



3D Modeling & Rendering by: Sarah Nellis

# MIRROR

The mirror is custom that it seperates, yet unites the wet & dry spaces. A feature designed is the Social Bar displaying your custom notifications on the display.



3D Modeling & Rendering by: Jason Horne

# 04 Soft Snooze

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Designed an alarm clock with a precise price point and necessary functions sponsored by SDI Tech (Timex & iHome).





10:09

TUE 2 16

TIMEX

10:09

AM

2 16

## Research

The company's most popular product (Timex 236 Alarm Clock) was studied and tested to understand the success of the product due to the features and affordability. As a team, we sketched concepts that represented a modern push for Timex.

### PROS

- EASY SETUP
- AM/FM SETTINGS
- AUX/BLUETOOTH
- COMPACT
- LARGE NUMBERS
- DUAL ALARM

### CONS

- RADIO RECEPTION
- USB CHARGING
- POOR BUTTONS
- BRIGHT DISPLAY
- REAR SPEAKER





## Design Development

We developed various features for a low-price point. The projection-based concept was one where which we tried to develop where Timex had failed The technology is simple and cheap, defending the reasons of why not to produce it.





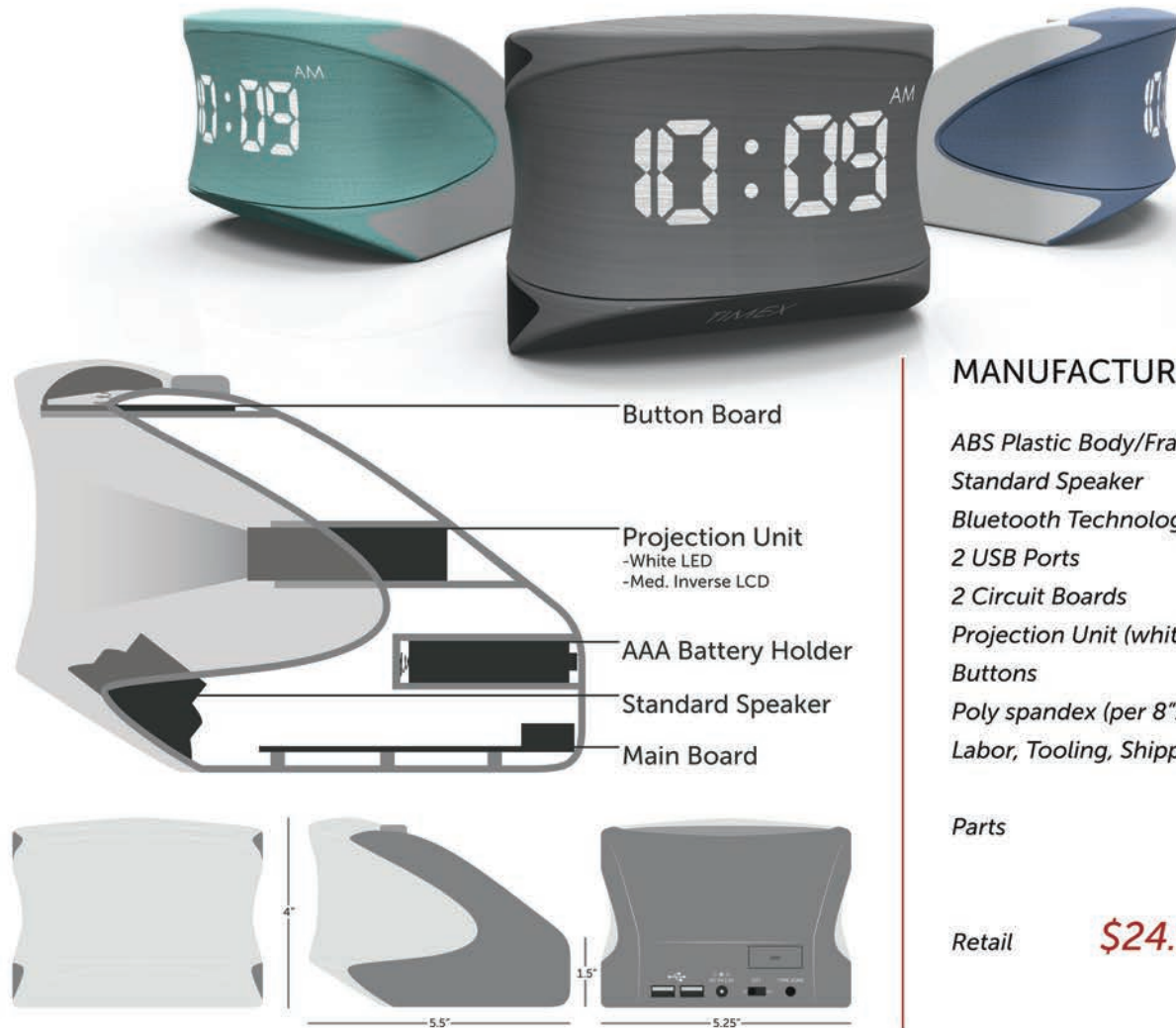
# TIMEX T336

"SOFT SNOOZE"

A SOFT TAKE ON A RUDE AWAKENING



## FABRIC CAPABILITIES



## MANUFACTURING

ABS Plastic Body/Frame	\$1.60
Standard Speaker	\$0.98
Bluetooth Technology	\$0.50
2 USB Ports	\$0.50
2 Circuit Boards	\$0.40
Projection Unit (white LED)	\$0.25
Buttons	\$0.15
Poly spandex (per 8"x12")	\$0.06
Labor, Tooling, Shipping	TBD

Parts **\$4.44**

Retail **\$24.99-\$29.99**

# TIMEX® T336

## "SOFT SNOOZE"

A SOFT TAKE ON A RUDE AWAKENING

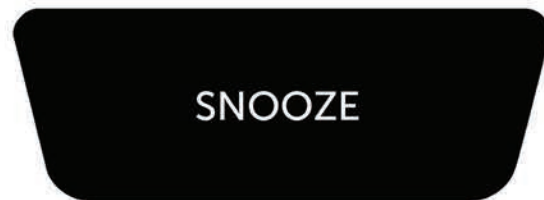


### SOFT SNOOZE

Fabric paired with a spring mechanism forms a more responsive snooze button

### FABRIC DISPLAY

Projecting onto fabric allows for a cleaner and more engaging display



PROGRAMMABLE SNOOZE

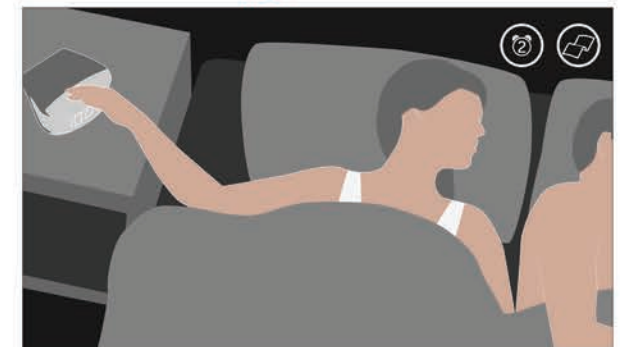
- 1 Hit = 5 Mins
- 2 Hits = 10 Mins
- 3 Hits = 15 Mins



STUDENTS & YOUNG ADULTS 18-35



MIDDLE-AGED ADULTS 36-55



# 05 Capstone

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To develop an efficient system to deliver & secure a package to deter theft that works in conjunction with Ring's home-security system.

initially sponsored by: ring

package theft deterrent

**SafeShip**



Online ordering is becoming the norm, but what happens when your package gets delivered while you're not home?

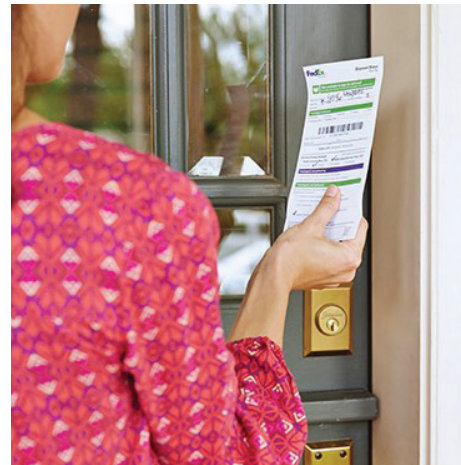
**26 million homeowners had a package stolen in 2017**



Wait at home



Send the package to work



Miss your delivery



Hope it doesn't get stolen

**Our main objective is to deter opportunistic theft of packages left unattended after delivery.**

We asked over 200 people about their experience with package delivery...

"Our Amazon package was delivered this morning and was not there when we got home..."

"We have had items taken from our front door. It happened to our friends in town last week..."

"We tell them to leave packages in the garage and close the door..."

"My grandma had a package stolen off her front porch..."

"My friend showed me the security footage of an Amazon worker stealing a package after they took the picture for proof of delivery..."

"...I do often instruct deliverers to place packages in my garage..."



research

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## Target Demographic

Homeowners

Residential Neighborhoods

Aged from about 24 to 50 years old

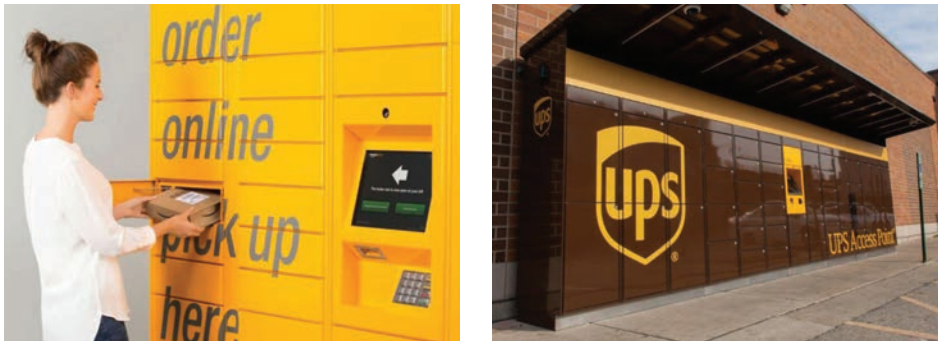
Annually spend about \$2,000 online

research



## Doesn't Deter Theft

Cameras and alarms only alert you to a possible theft



## Inconvenient

Package lockers take the convenience out of online shopping



## Bulky and Non-Aesthetic

Lock boxes are eyesores on a front porch



## Doesn't Solve the Problem

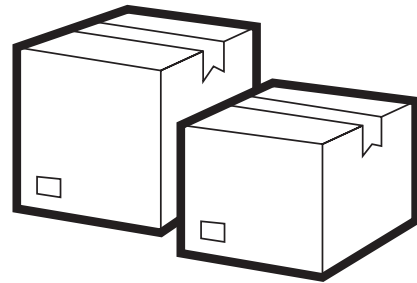
72% of homeowners are not comfortable giving couriers access to their homes

## design criteria

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Deter Theft



Receive Multiple Deliveries



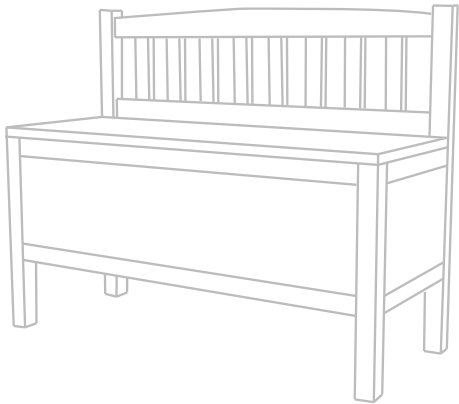
Unobtrusive Design



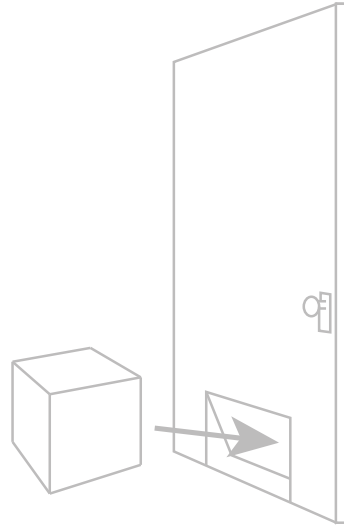
Intuitive to Use



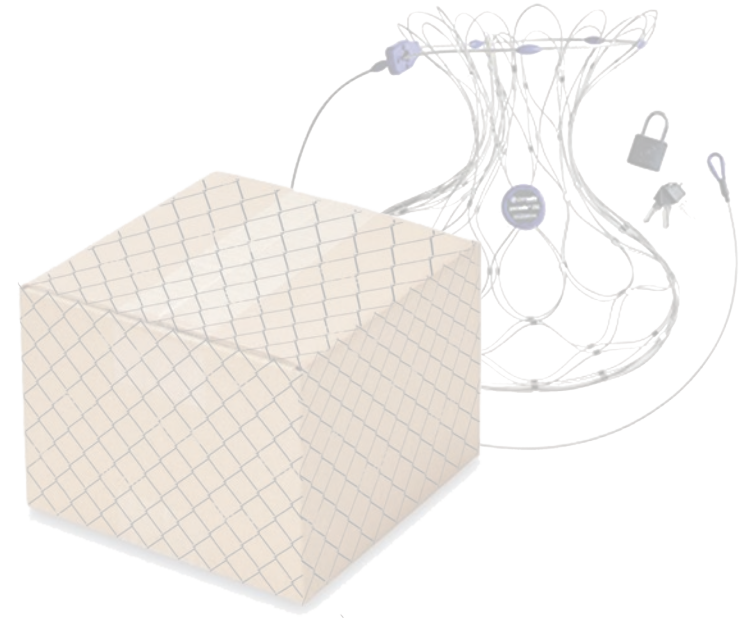
# design development



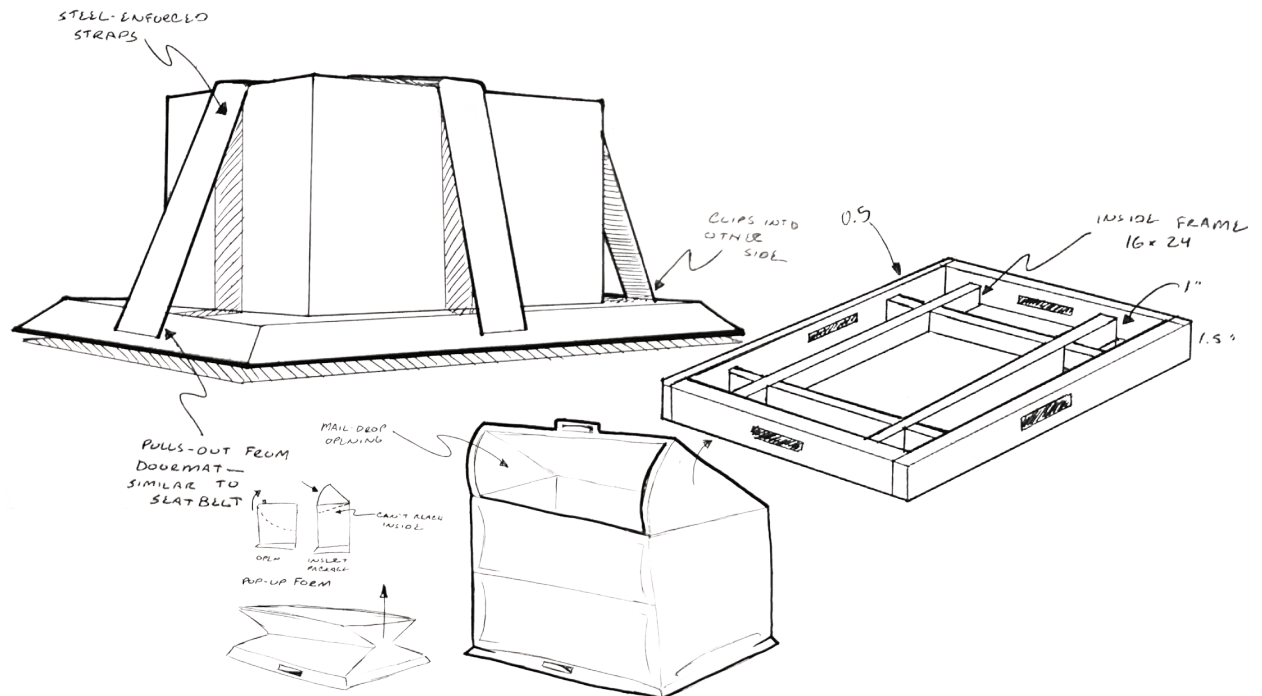
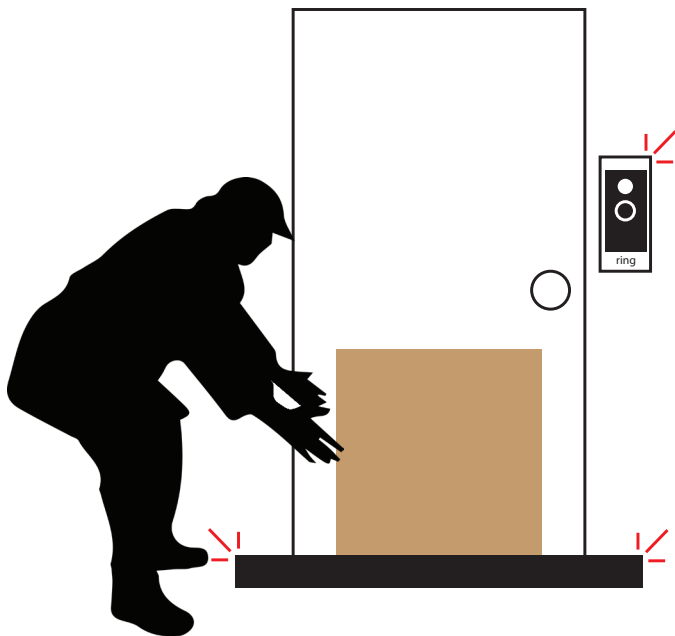
Furniture to Hide Packages?



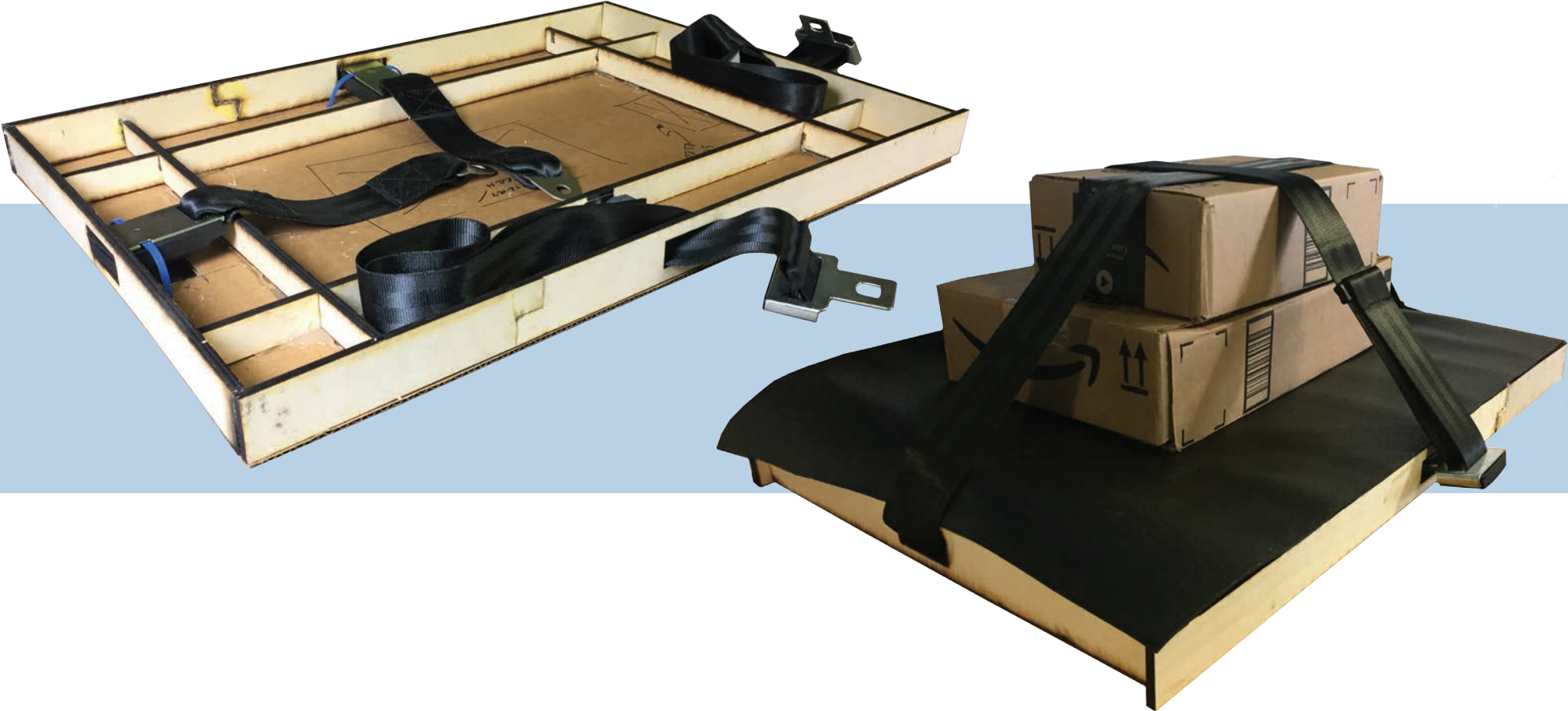
Doggy-Door Delivery?



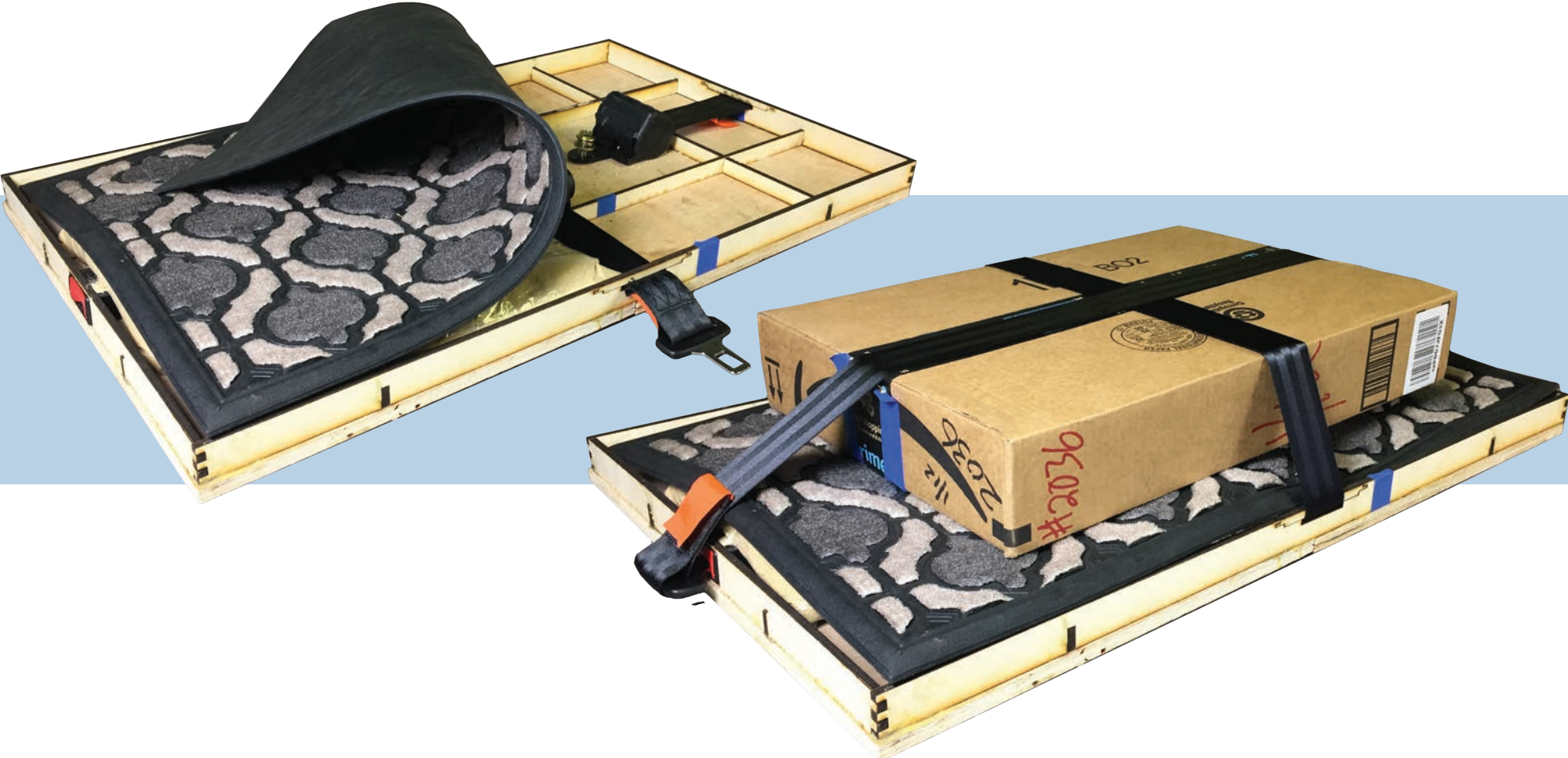
Locked Inside Steel Netting?



design development

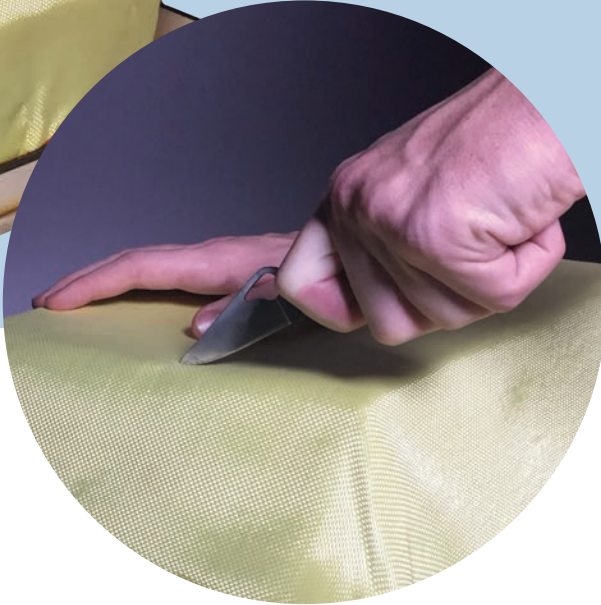
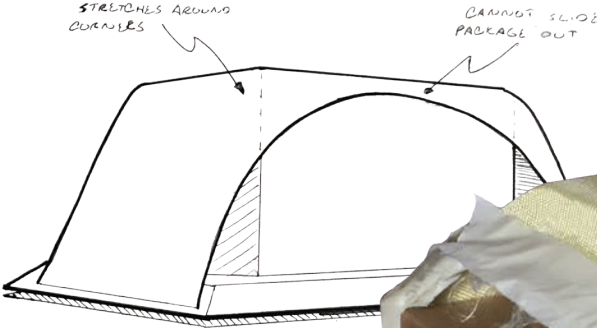


design development





design development

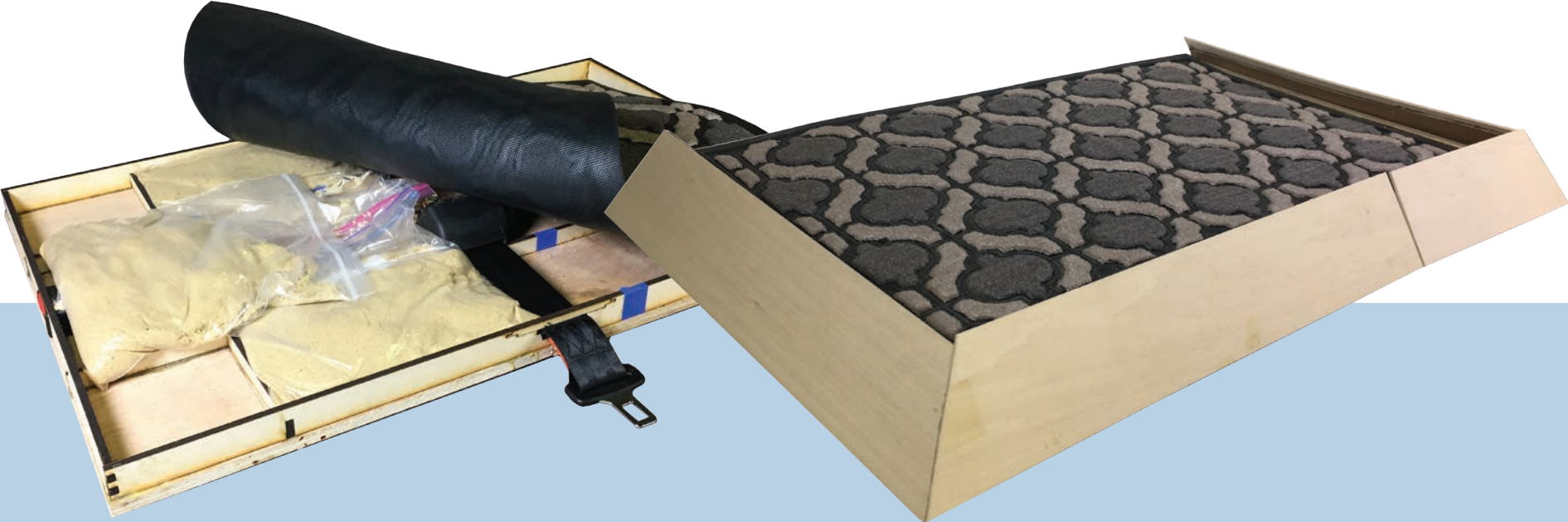




design development



design development



15 pounds



35 pounds



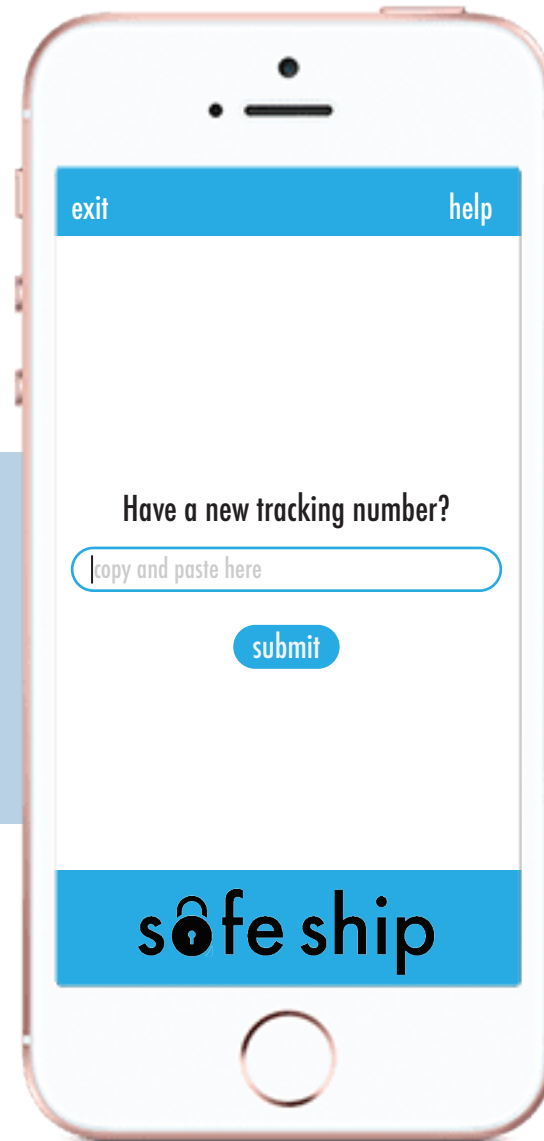
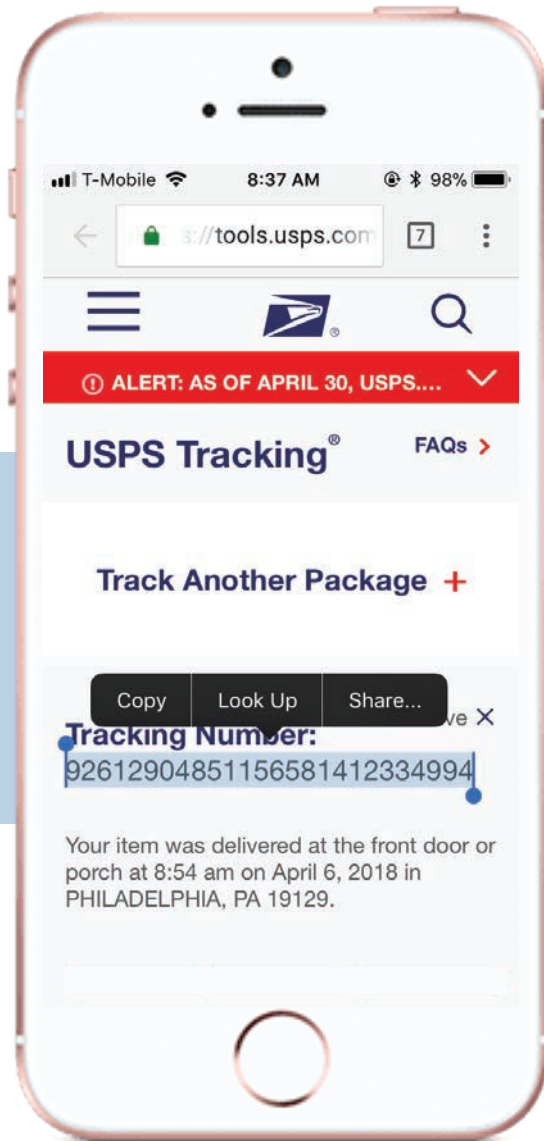
50 pounds





**final design**

# final design





## features

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# features

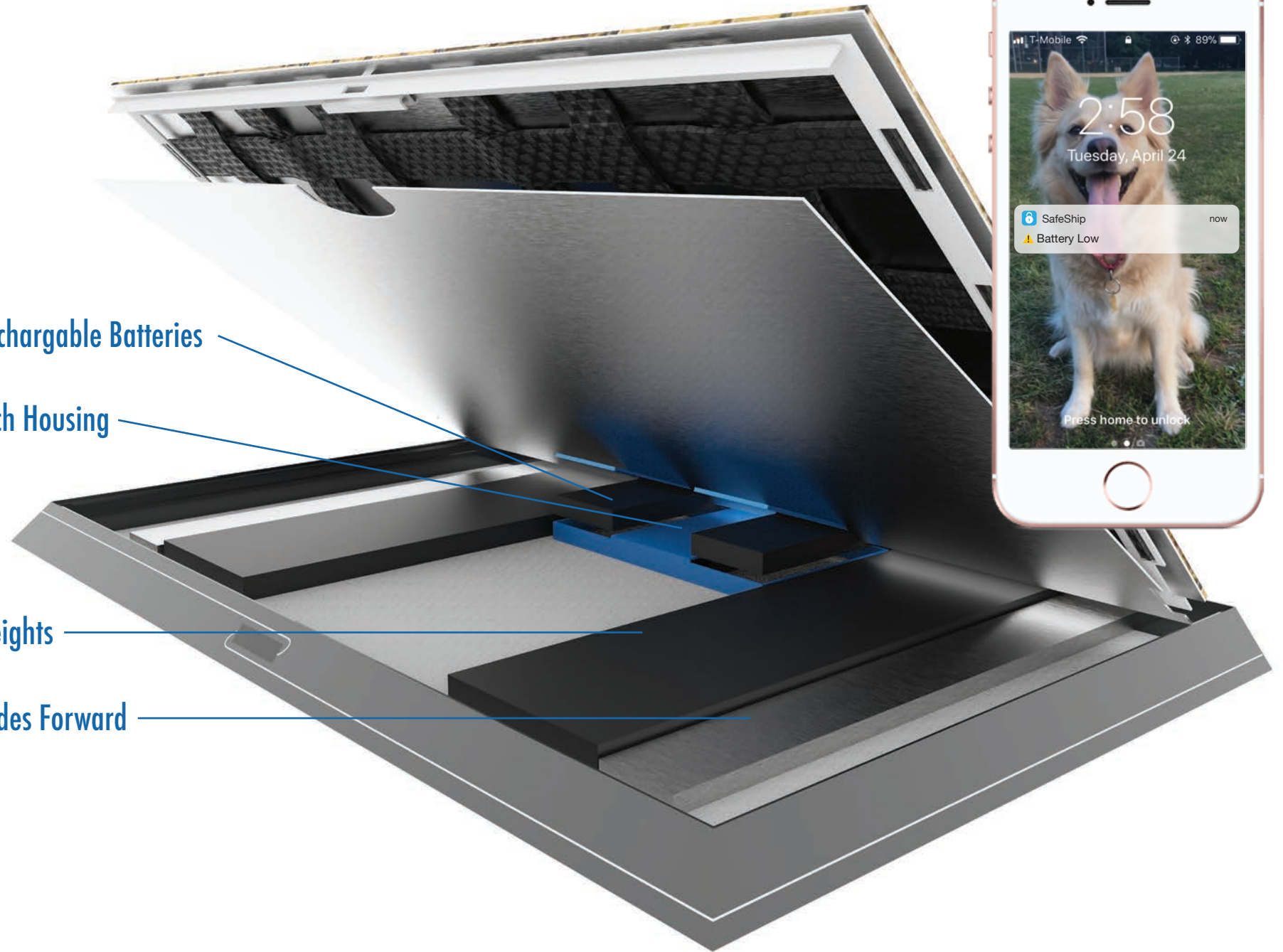
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 Rechargeable Batteries

 Tech Housing

 Weights

 Slides Forward



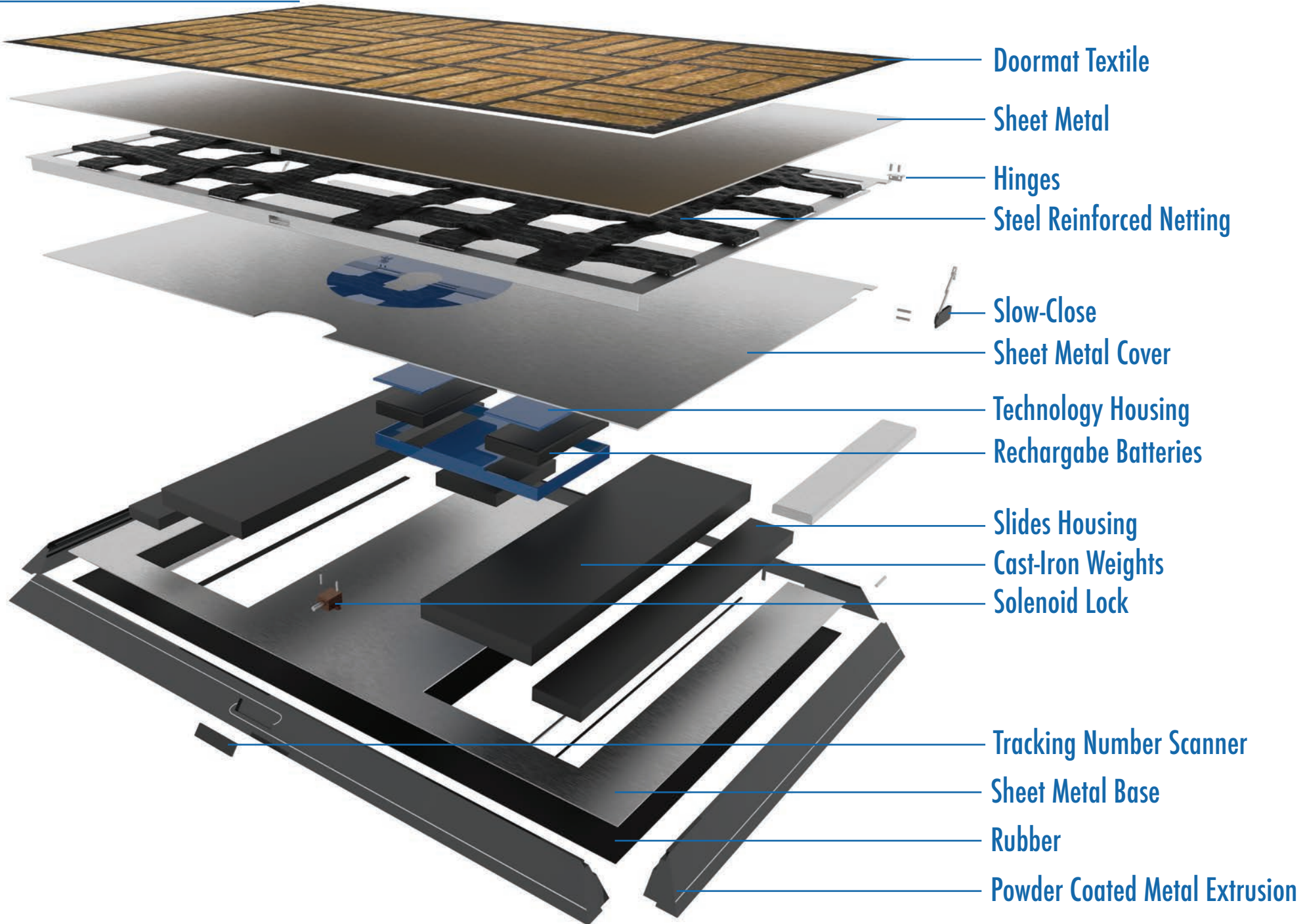


features



 Interchangeable Textiles

# manufacturing





## **CONTACT DETAILS**

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