

OPENING REMARKS

A Design + Build project:

A Thesis that questions what a landscape bench is and what it could be.



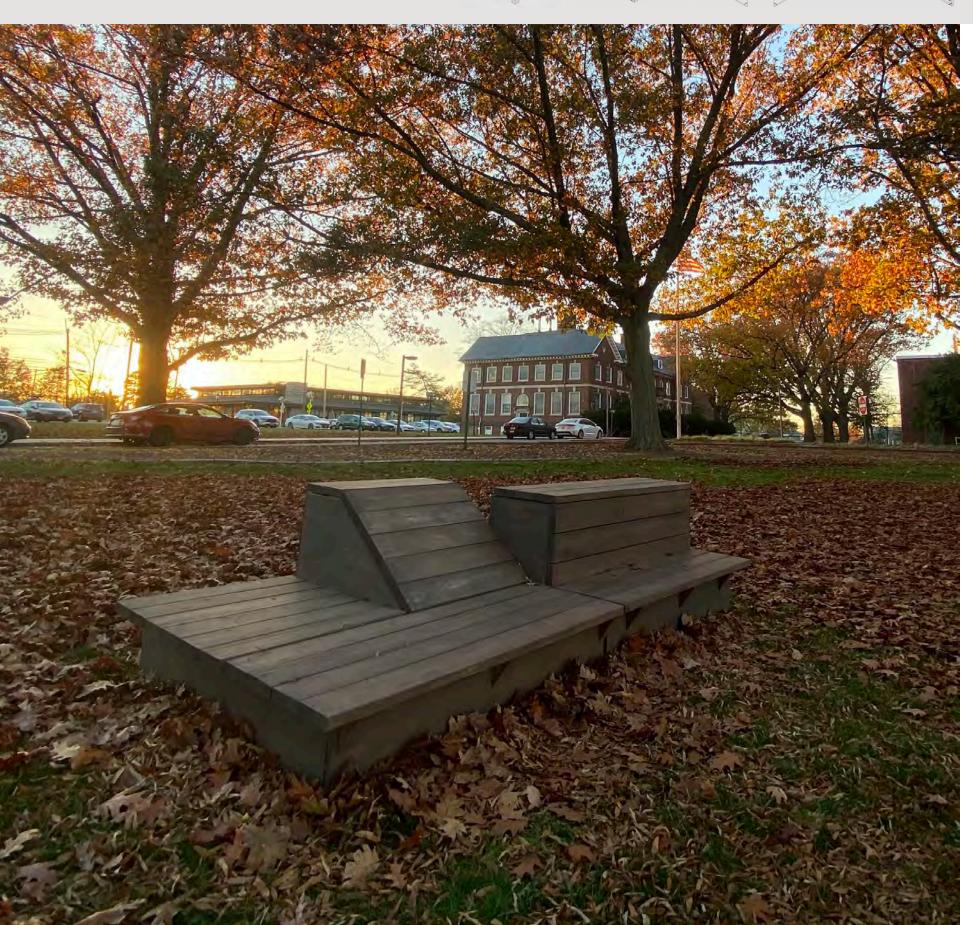
2010



A Special Thanks to:

Committee Members: • Richard Alomar • Holly Nelson • Vincent Javet

Other Contributors: • Future Green Studio • The Willard Brothers • 18 Lumber • Other Rutgers Staff • Friends & Family



TEAMMATES

Collaboration:

A second set of eyes, another's design opinion, or construction knowledge facilitated the learning and building process.

Willard Brothers





Future Green Studio







Blake Hall









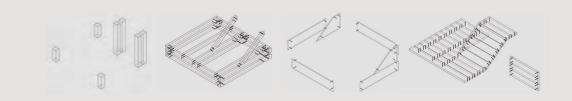


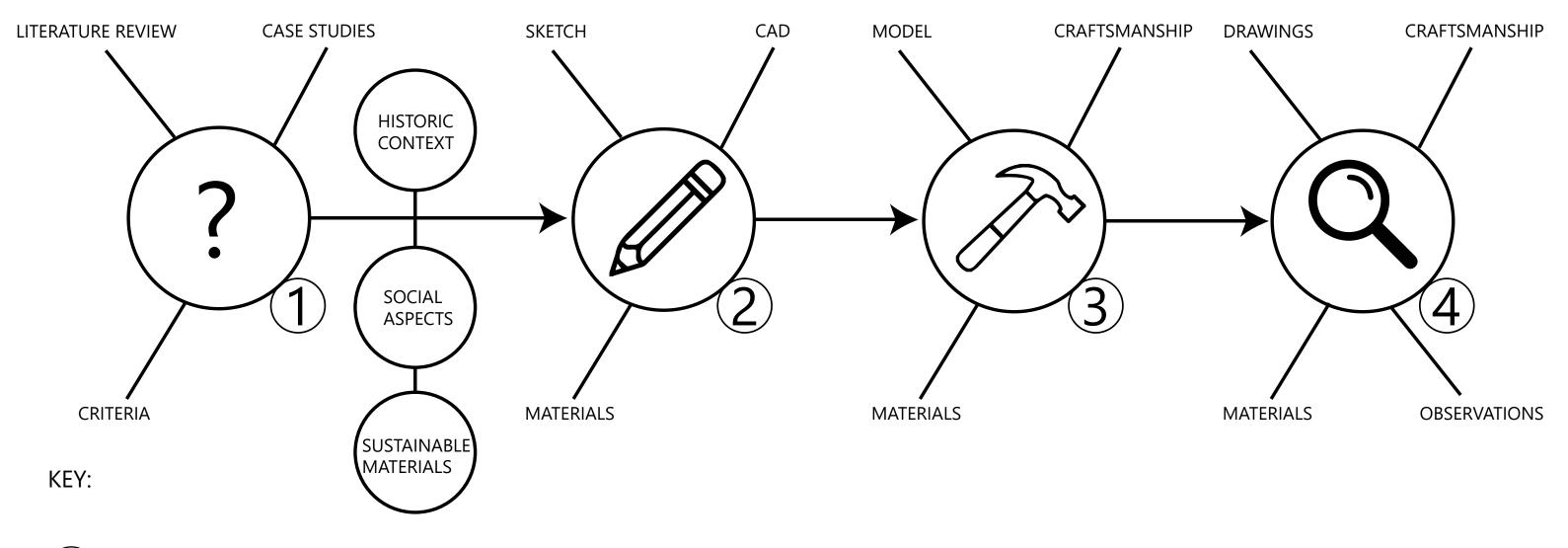






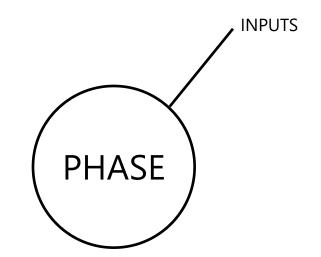
RESEARCH + PROCESS TIMELINE







- (2) DESIGN + SITE SELECTION
- 3 FABRICATION + CONSTRUCTION
- 4 IMPLEMENTNATION



THE REASONS

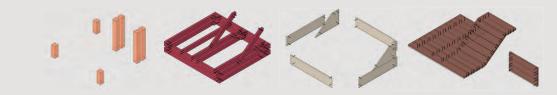
An Exploration of:

- Historic and site relevance through sustainable material selection and deign.
- Social interaction on and around benches.
- Connection between site, material, and form.
- The design-build process.





CHAPTERS



• THE BENCH IN THE LANDSCAPE

• A Brief History of the Bench through History

• People, Benches, and Social Space

2. DESIGN PROCESS

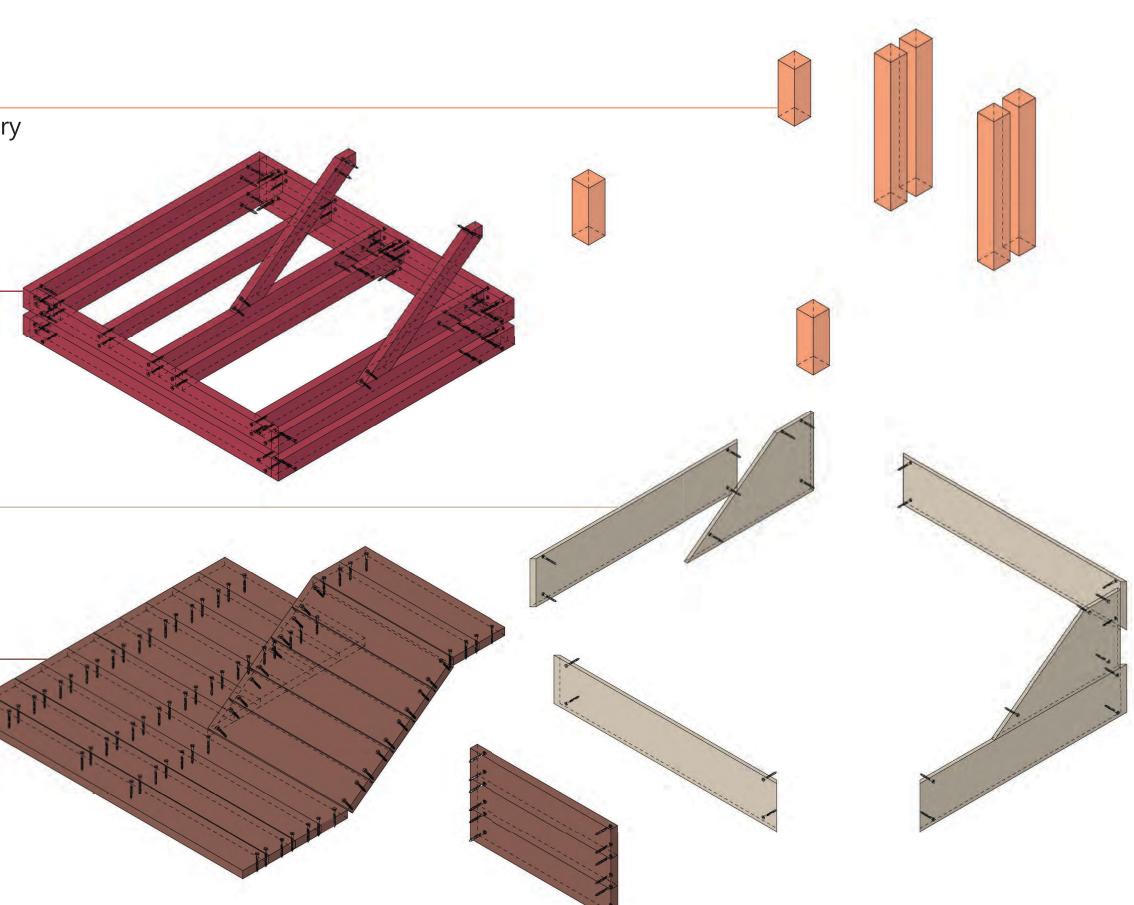
- The Design Process
- Site and Material Research
- My Personal Design Process

5 FABRICATION

• The Build Process

OBSERVATIONS AND CONCLUSION

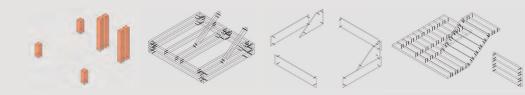
- People and the Bench
- Takeaways



1. THE BENCH IN THE LANDSCAPE



BENCHES



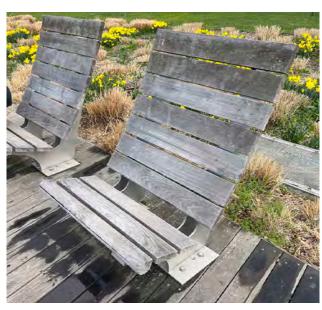






















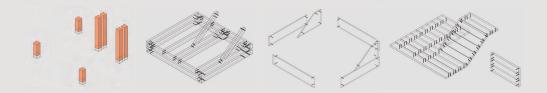








HISTORIC BENCH CATALOG



2023 CE

I II STORIC BLIVETT CATALOG



?????

Bronze Age 5,000 years ago - 1,400 years ago First documented form of seating



Stone Age 3.3 Million years ago - 5,000 years ago Caveman gathering on rock



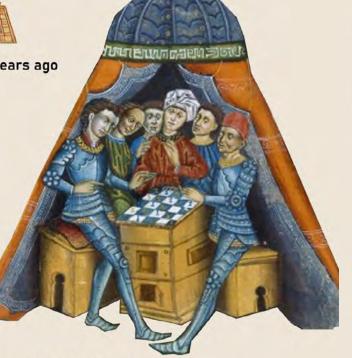
Bronze Age 5,000 years ago - 1,400 years ago Ra, the ancient egyptian god of the sun



Bronze Age 5,000 years ago - 1,400 years ago Egyption hieroglyph drinking wine on a bench



Modern Era 1800 AD to present Camille Monet on a Garden Bench, Painting by Monet



Medieval Era 500 AD to 1500 AD
Medieval nobles sitting on a bench in a pitched tent playing a board game

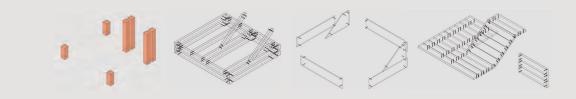


Modern Era 1913
Family portrait of owners of first Lutyens Bench



Modern Era 1952 Woman sleeping on bench in Central Park

CASE STUDIES



SIR EDWIN LUTYENS



VICTOR STANLEY



STREETLIFE



JAMES C. ROSE

















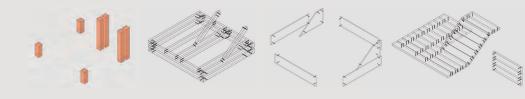


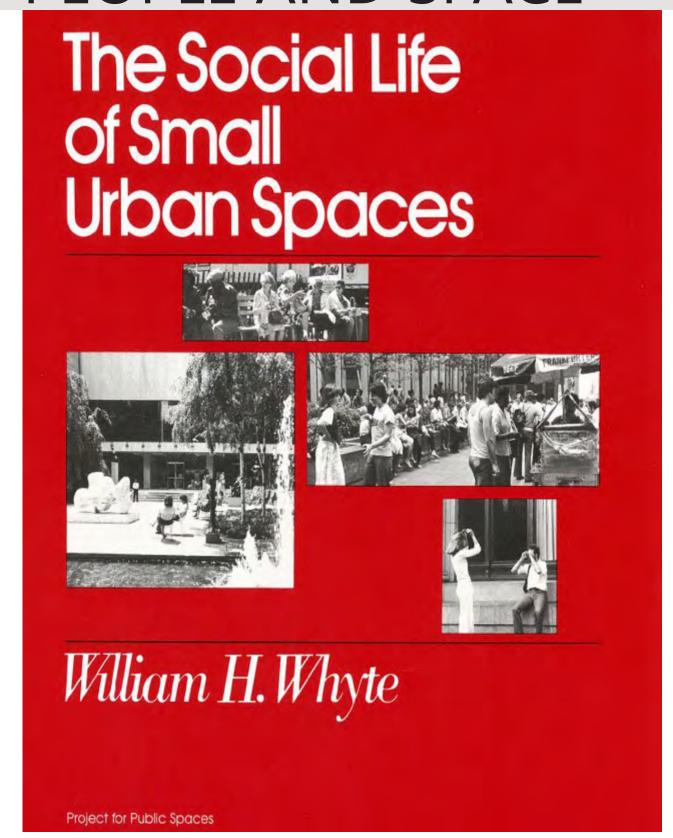


https://www.streetlife.nl/us

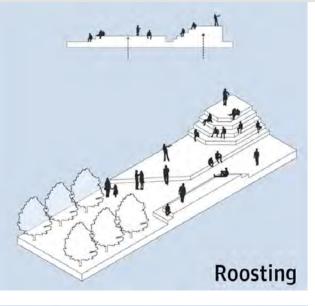
https://www.asla.org/2014awards/018.html

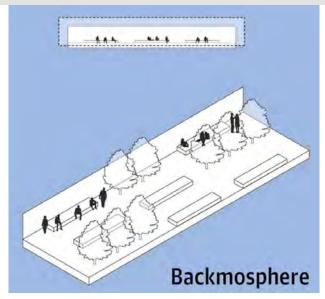
PEOPLE AND SPACE

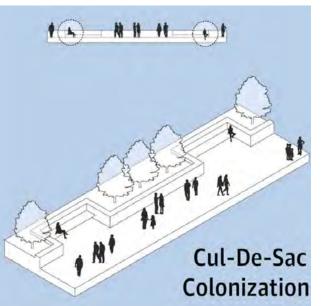


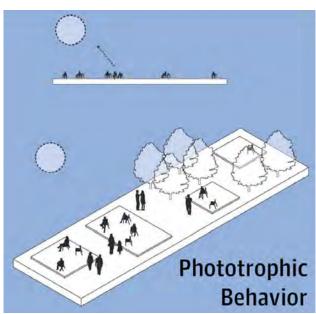


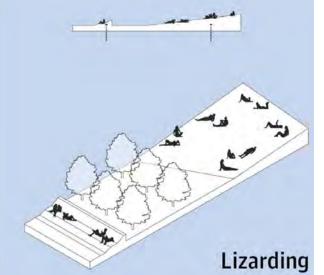


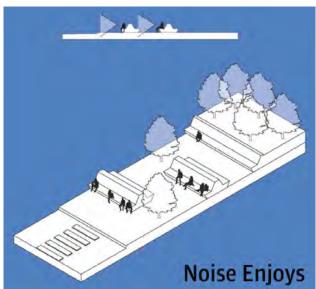








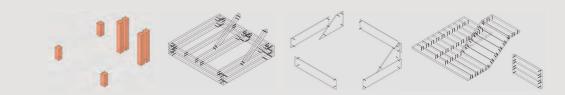




"People like to sit where there are places for them to sit" - William H. Whyte

https://www.theguardian.com/cities/gallery/2019/aug/01/lizarding-and-flex-allure-how-do-you-use-your-city Whyte, William H., Jr. 1917-1999. The Social Life of Small Urban Spaces. Washington, D.C.

PEOPLE AND SEATING



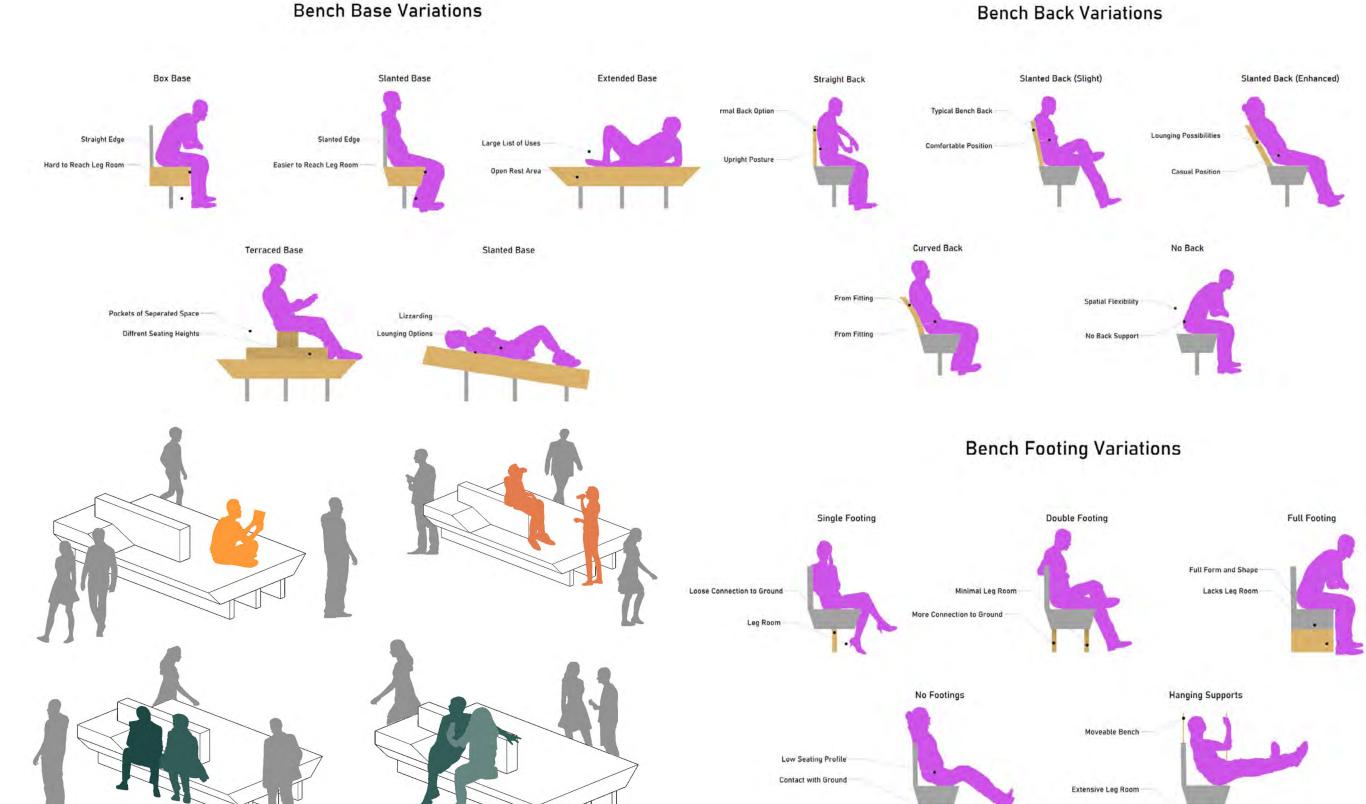
The Parts of a Bench:

- The Base
- The Back
- The Footing

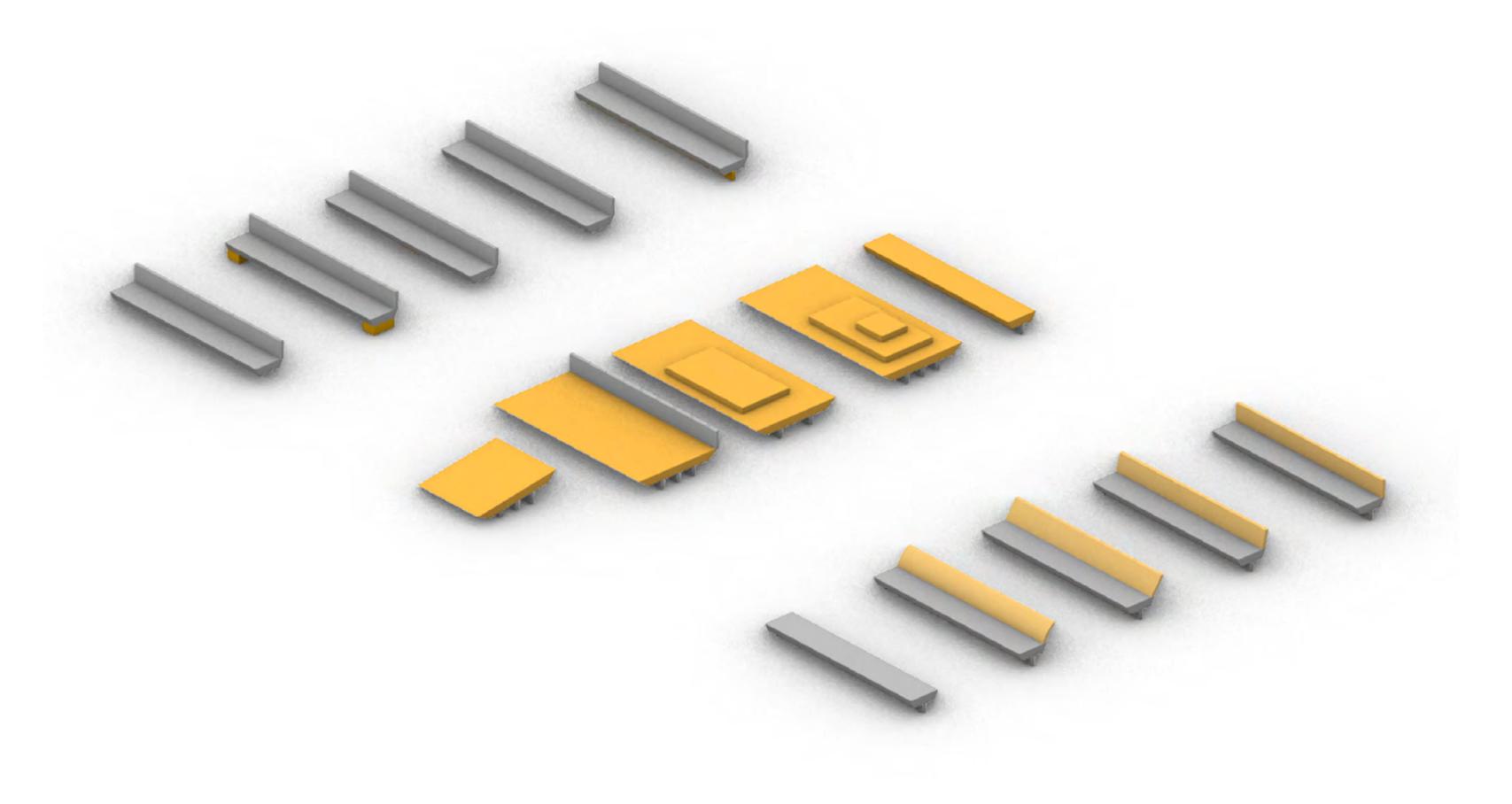
How to Bench:

Think Rest Read Recover Sleep Phone Sit Eat Remember Listen Meeting Socilaize Privacy Lounge Watch Call

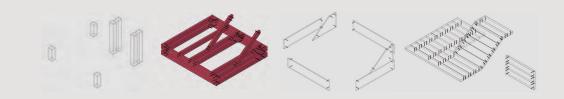
Bench Base Variations



2. THE DESIGN PROCESS



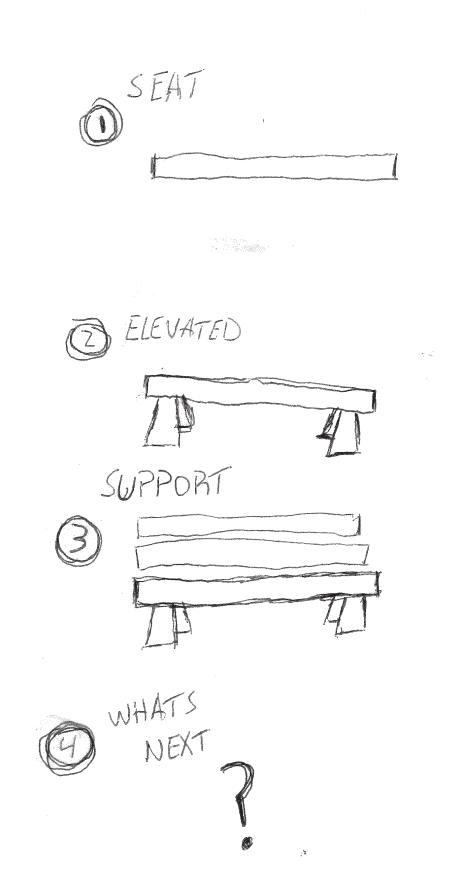
DESIGN CRITERIA

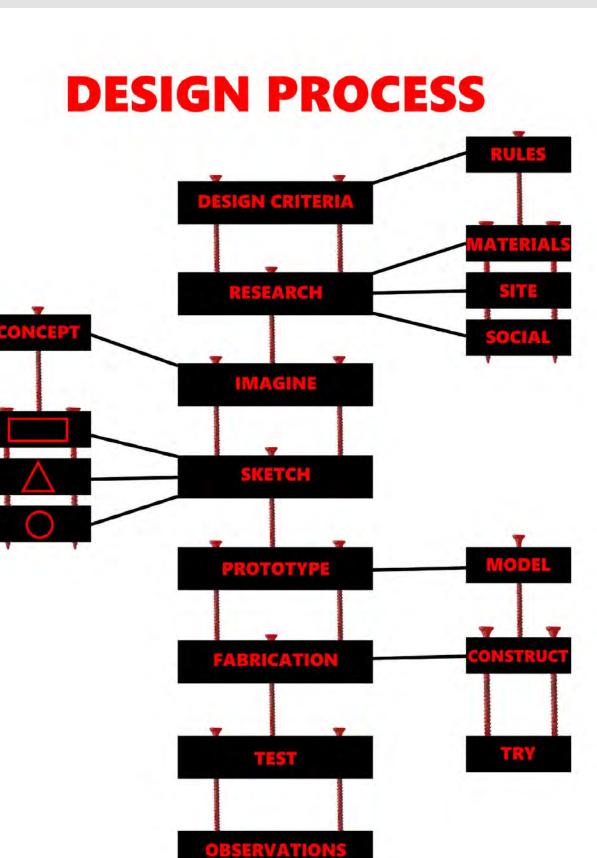


The Principles:

- The use of sustainable, and site-specific materials.
- The creation of social interaction that differs from traditional benches.
- A final form that reflects site specificity and enables social interaction.







THE SITE

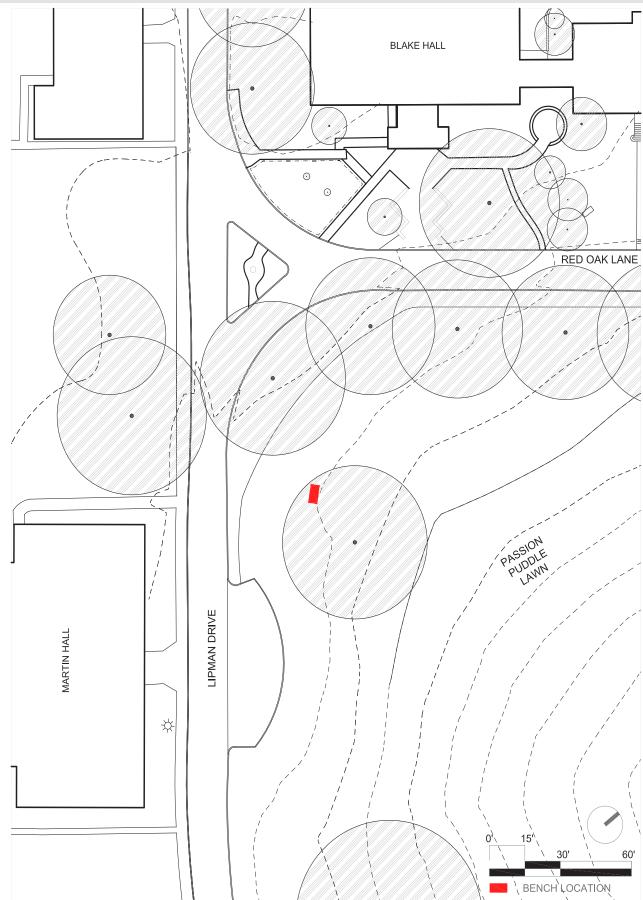
Location Matters:

- North America
- United States
- New Jersey
- Middlesex County
- New Brunswick, 08901
- Rutgers University
- Cook Douglass Campus
- Passion Puddle Area
- Blake Hall, 93 Lipman Dr











SITE INVENTORY AND ANALYSIS





BLAKE HALL

MATERIAL RESEARCH AND SELECTION

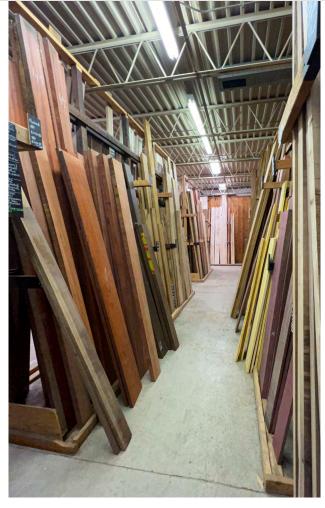
Material Selections:

- 15 boards of 10' 2x4 pressure treated Southern Pine
- 15 boards of 10' 2x6
 Western Red Cedar
- 4 boards of 4'x8' ³/₄" AC
 Fir Plywood
- 2 boards of 8' 4x4
 Reclaimed lumber
- 1 5lb Box of 9x3"
 Deckfast® Epoxy Screws
- 1 Gallon paint can of Benjamin Moore Arborcoat Brown Semi-Solid Stain



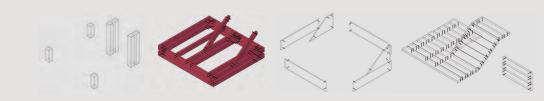


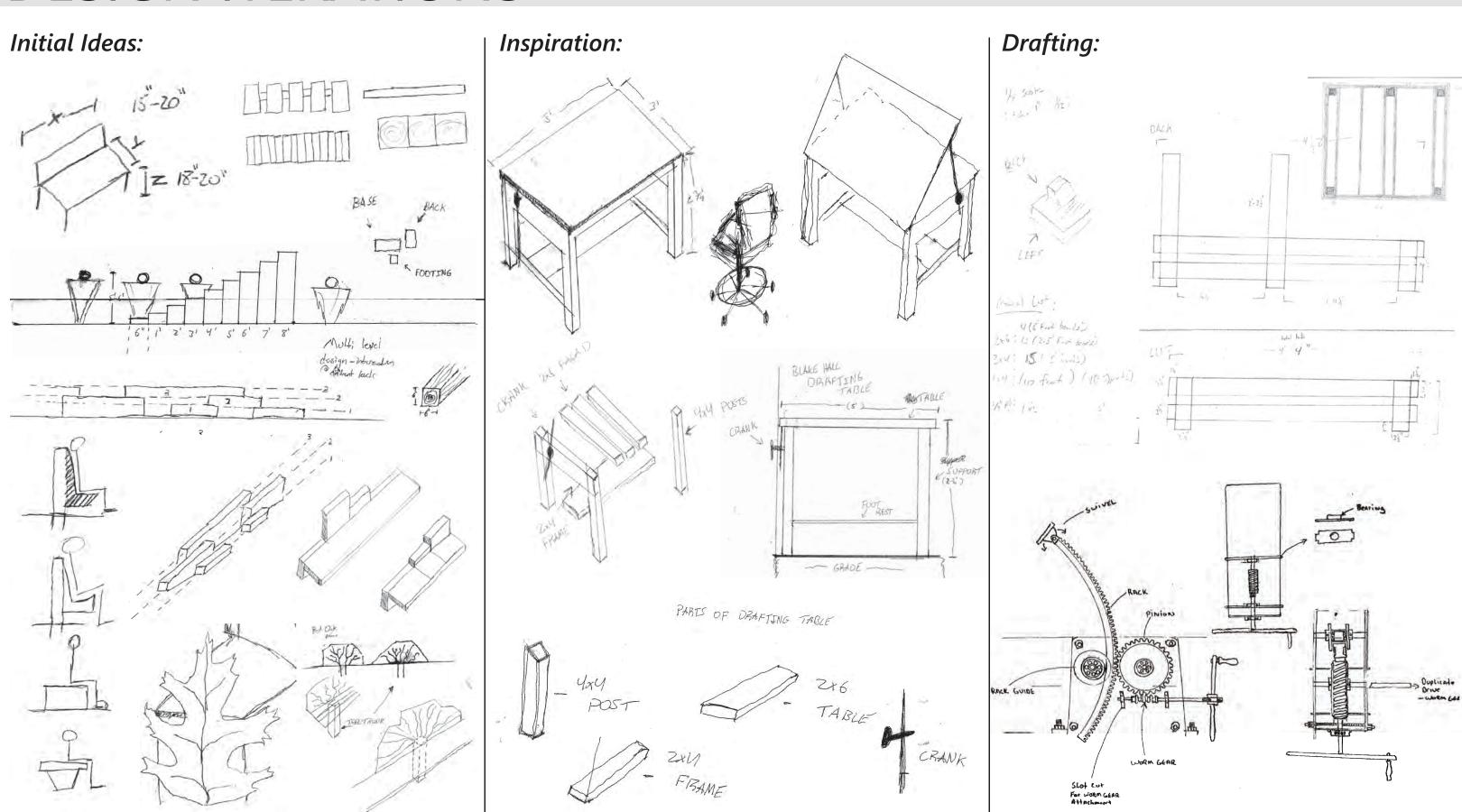




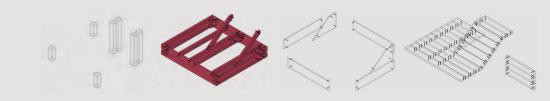


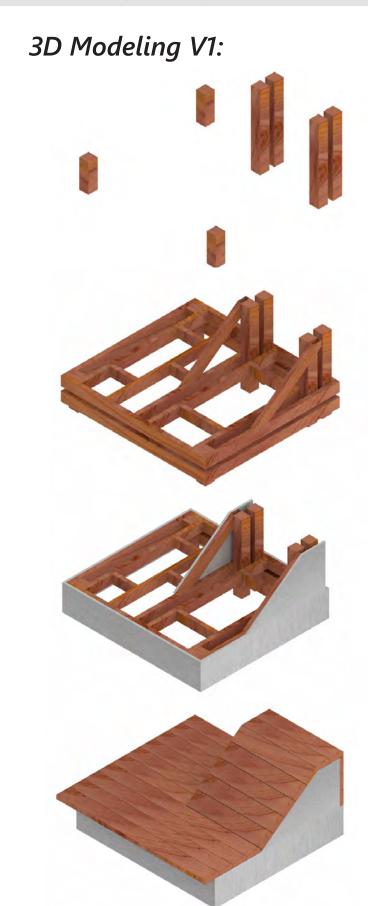
DESIGN ITERATIONS





PROTOTYPE

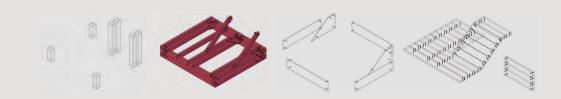


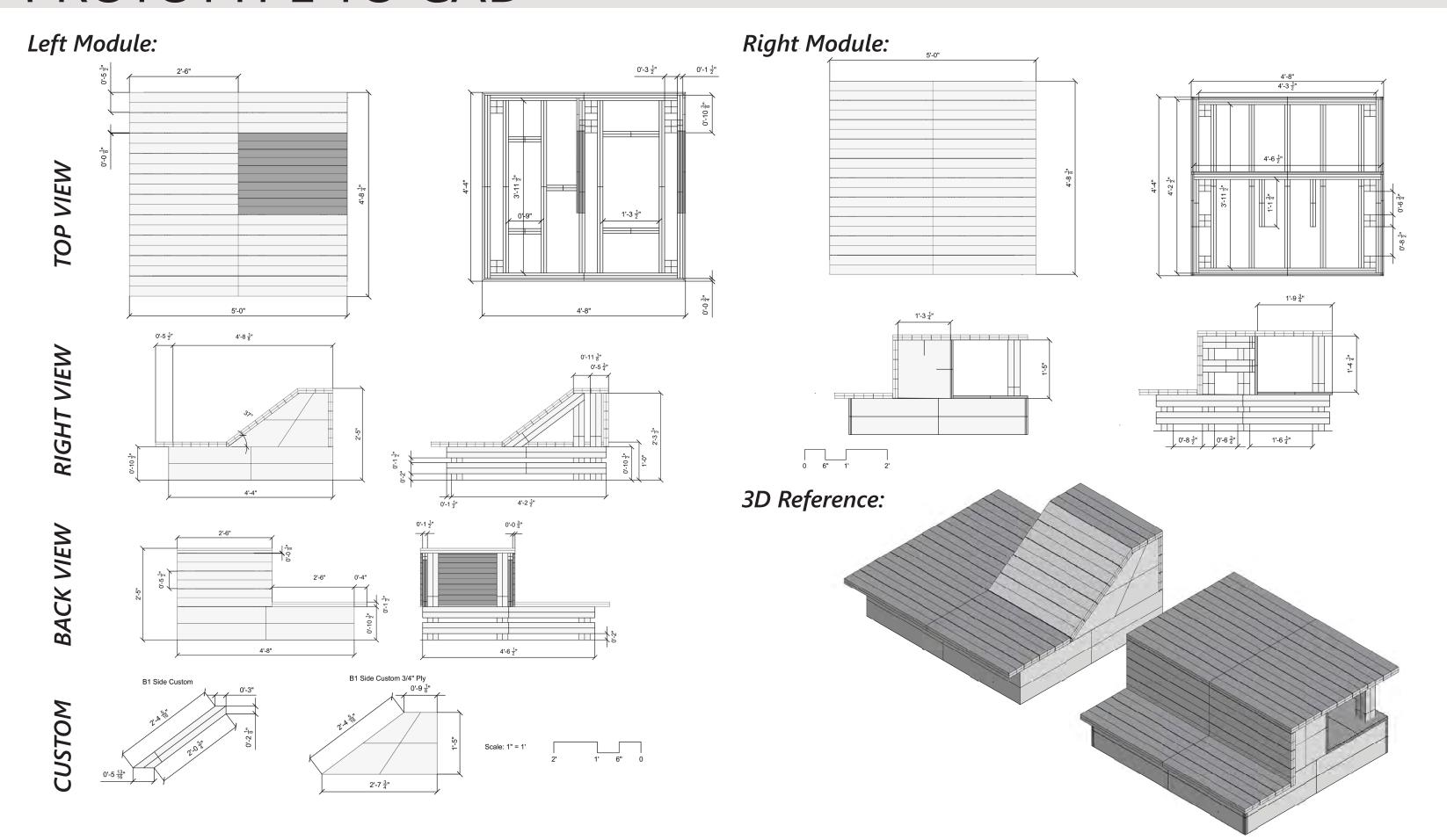




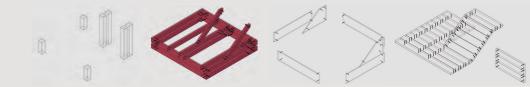


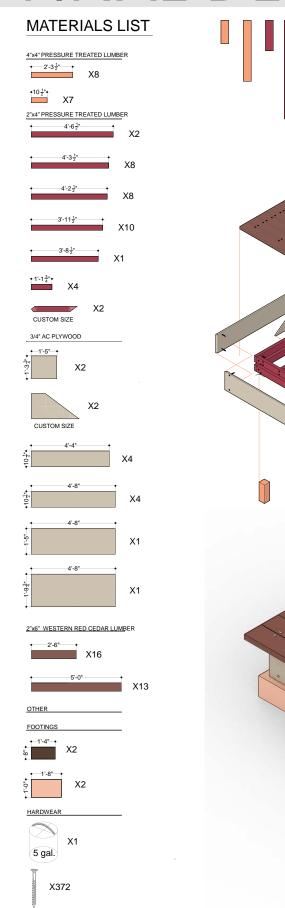
PROTOTYPE TO CAD

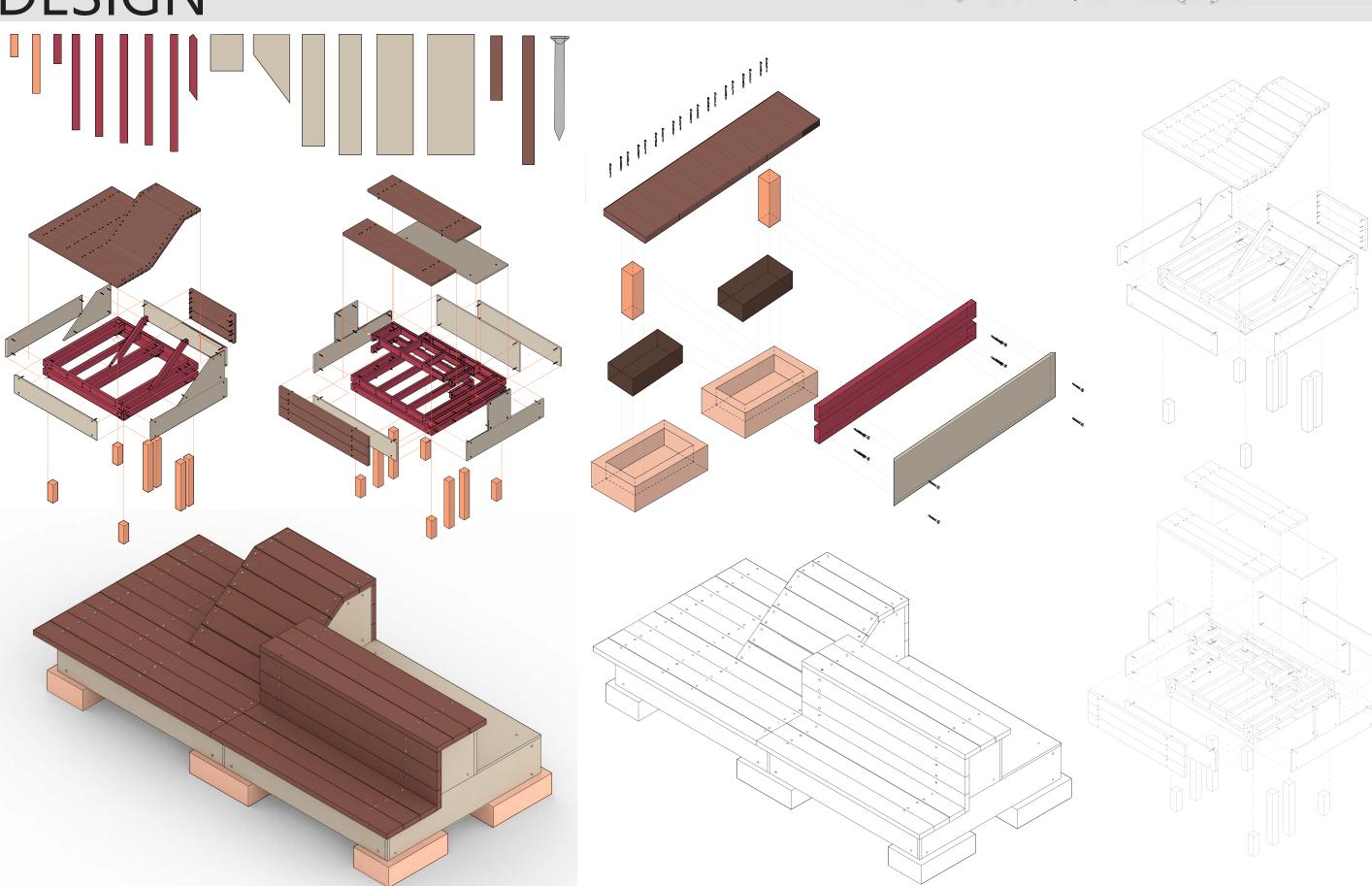




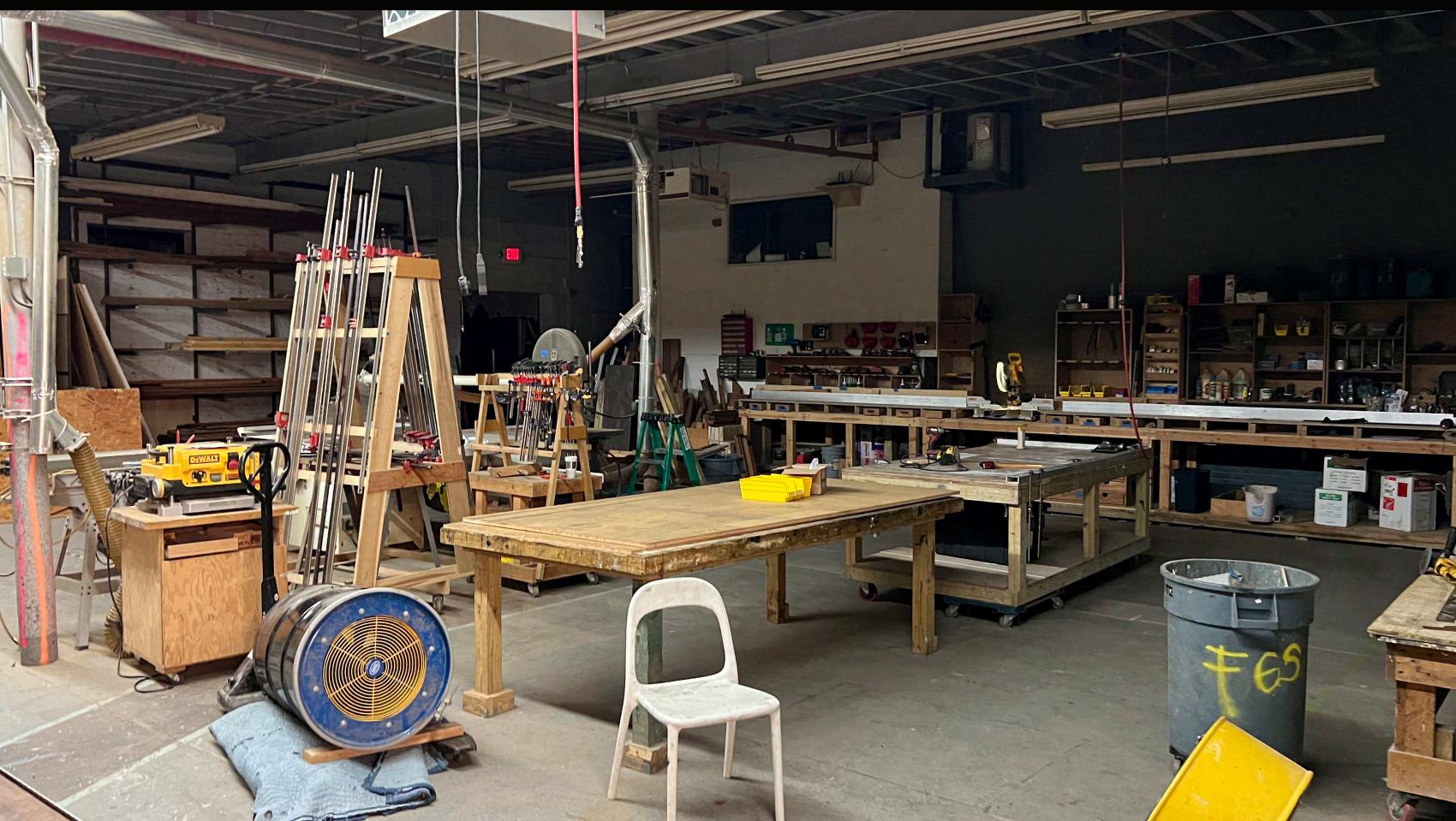
FINAL DESIGN





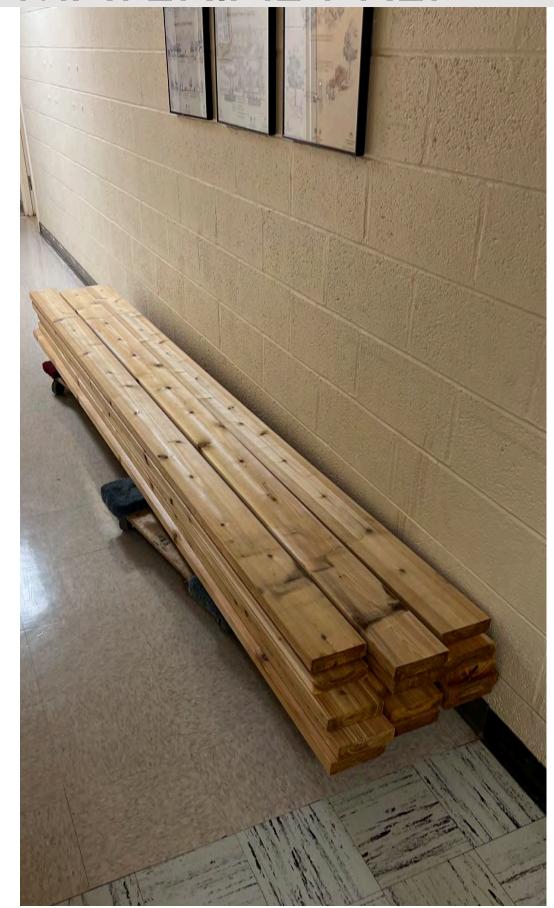


3. FABRICATION

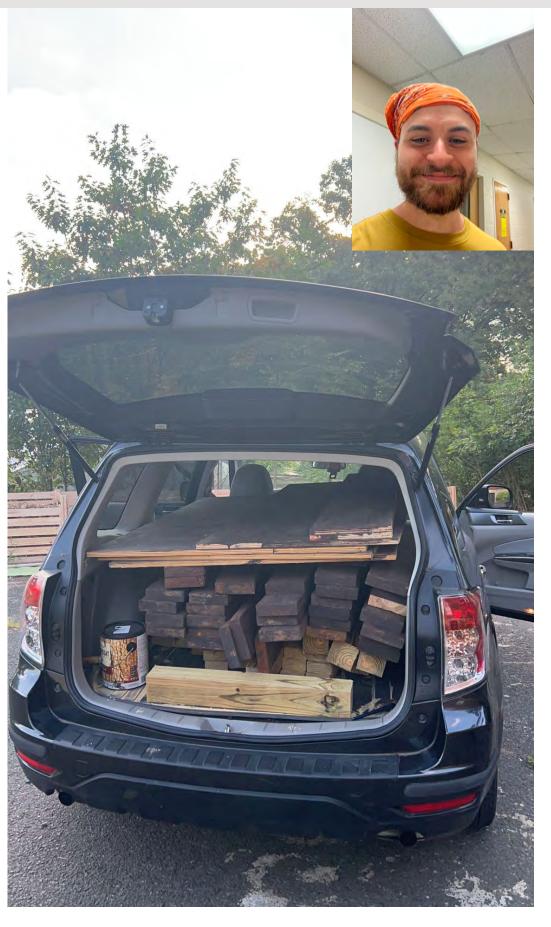


MATERIAL PREP







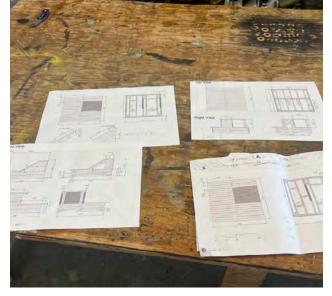
















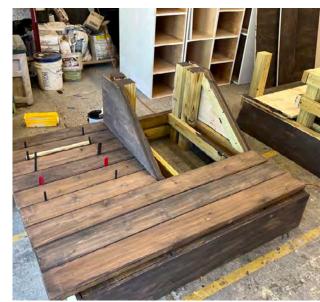




















INSTALLATION













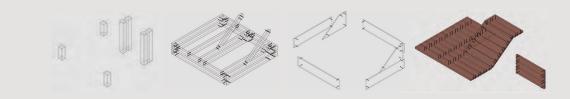


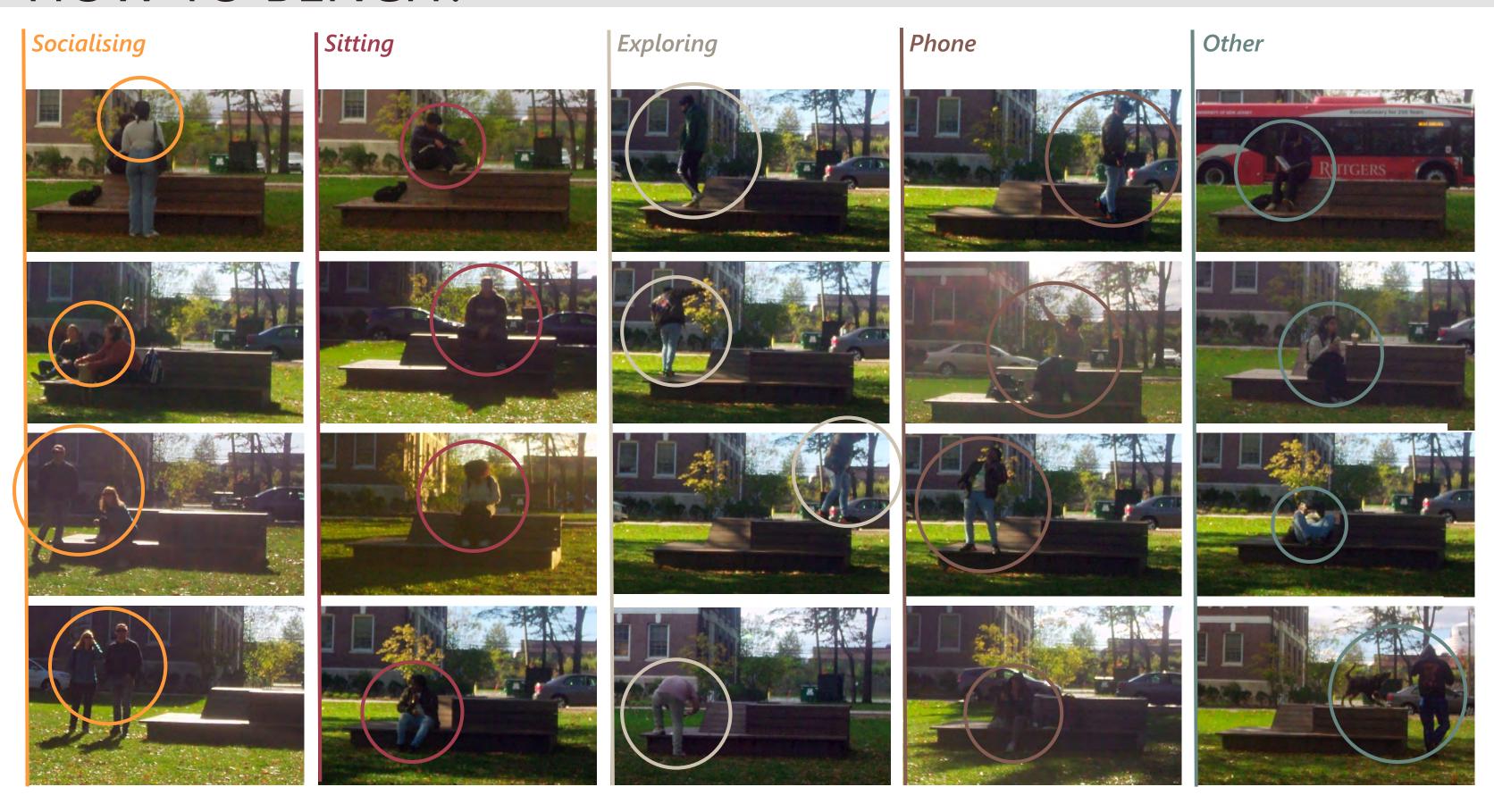


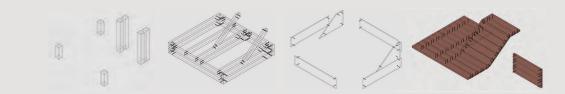


4. OBSERVATIONS AND CONCLUSION

HOW TO BENCH?

























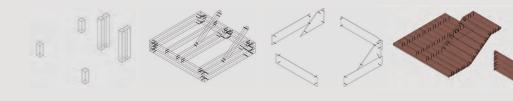








IMAGINE, DESIGN, TEST, REPEAT











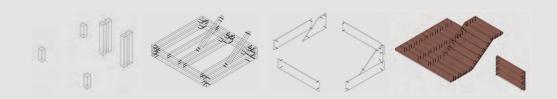


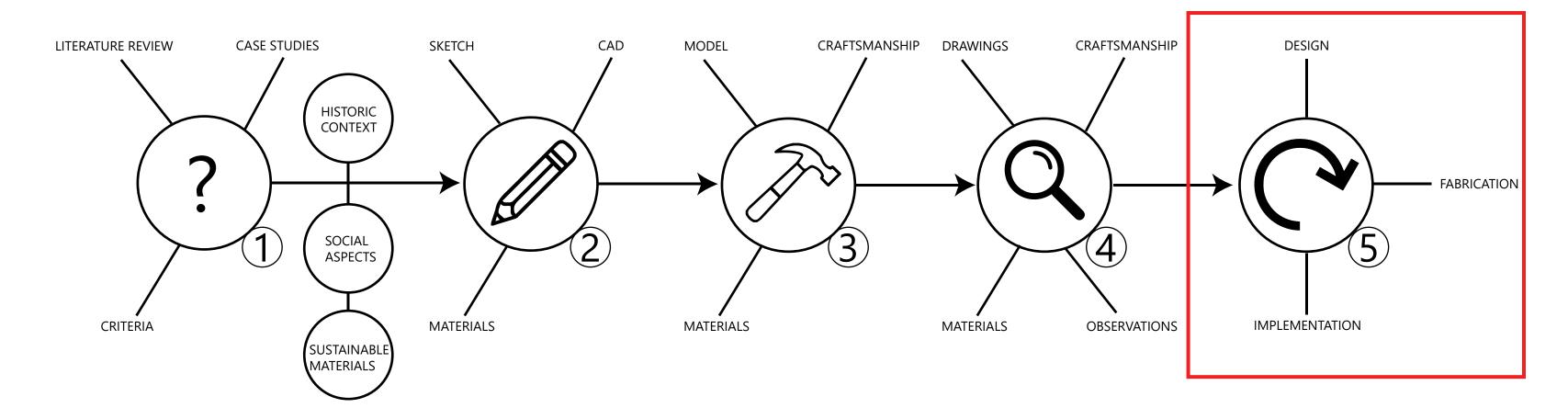






THE TIMELINE OF DESIGN





KEY:

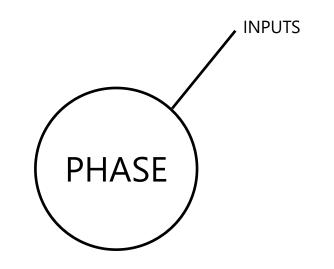
1 RESEARCH QUESTION

2 DESIGN + SITE SELECTION

 $\overline{3}$ fabrication + construction

(4) IMPLEMEMTNATION

5 NEXT STEPS



QUESTIONS



