

This book is dedicated to the community -- of craftsmen, of builders, of brothers. For your continued encouragement and participation I am deeply thankful.

### **CONTENTS**

Introduction	9
Schematic Proposal	15
Preparation	17
Construction	
Phase One	57
Phase Two	69
Phase Three	85
Phase Four	99
Completion and Use	111
Index of People	119

#### INTRODUCTION

Behind Beta Theta Pi fraternity, an architecture develops by and through the practice of different crafts, promoting a communal and experiential pedagogy that is both personal and physical in nature. The architecture formalizes through a series of workshops by local v, as their techniques and materials are applied to the architectural elements of the hearth, mound, enclosure, and roof. The true drive of my project is to recognize the value that different crafts and different people can provide to architecture and its practice. The effect: an autogenic classroom - a receptacle of interactions between communities, materials, and tools - a practical shed.

Knowing fully well that by calling my project a shed raises a flag for some theoreticians, or rather one theoretician, I aim to investigate the practice of architecture as a socially constructed artifact and the essence of architecture as an active process of community. I understand my role as an architect to not be strictly defined as an isolated designer but rather malleable as a social orchestrator, an informed builder and coordinator. I am responsible for constructing places that house the public realm and facilitate life in a given context. The specific context with which I dealt happened to be a defunct asphalt court at the bottom of a hill behind a fraternity house in Ithaca, New York.

Alongside my efforts to revitalize a neglected backyard, I address the increasingly overlooked notion of cultural transmission and the relevance of craft in the production of architecture. We are all witnesses to the architectural tendency toward fashionable production and the placeless boxes that this attitude proliferates. The dissolution of head and hand has stymied the culture of architecture's own making, preventing place-bound traditions from advancing in communities that always already esist prior to the architect's involvement. By inviting local crafts back into the private suite that has become of our modern profession, I open up the conversation of architecture to a larger culture of building, defined by Howard Davis as a dynamic and coordinated system of knowledge, rules, procedures, and habits constituted over time by its own functioning.

Maybe we can recognize that designing, building, and using are components of this dialogical system that gives shape to our surroundings. The laborer is not separated from but rather integral to the generation of ideas. The community is not simply the end user but rather an active participant. The architecture is not a singular instance but rather a holistic practice.

10 PRACTICAL SHED INTRODUCTION





Photo of Beta House lifted from the living room of Beta house.

Photo of Beta House in its current state. The trees are now quite mature.

### MEMORANDUM OF UNDERSTANDING

11

This Memorandum of Understanding (the "MOU") is by and between the individual, Cameron Neuhoff, an undergraduate architecture student attending Cornell University ("Mr. Neuhoff"), and the members of Beta Theta Pi, a fraternity chapter at Cornell University (the "Brothers").

#### RECITALS:

- A. Mr. Neuhoff is in need of a site on which to build a small-scale thesis project during his final semester at the Cornell School of Architecture (the "Project").
- B. The Brothers have some outdoor space located behind their common residence at \_\_(the "House") formerly occupied by a basketball court but currently in disrepair (the "Site").
- C. Mr. Neuhoff has requested that the Brothers provide the Site for his use in constructing the Project and providing certain services in return.

In consideration of the foregoing and other good and valuable considerations the receipt and sufficiency of which is hereby acknowledged Mr. Neuhoff and the Brothers agree as follows:

- Mr. Neuhoff shall have access to the Site and temporary parking space outside the House during daylight hours free of charge.
- Mr. Neuhoff shall obtain the approval from the Beta Theta Pi alumni and agree with the Brothers upon a mutually convenient date and time prior to moving large loads of material onto the site.
- In return for use of the Site, Mr. Neuhoff, agrees to provide services around the area of the Site reasonably requested by the Brothers, including, but not limited to clearing the overgrowth of thorny brush.
- Mr. Neuhoff shall comply with all ordinances of the Town of Ithaca and all rules and regulations of the Beta Theta Pi fraternity, including, but not limited to parking restrictions and alcohol policy.
- Mr. Neuhoff shall provide his own material and equipment and therefore assume all liability of personal health and safety.
- Either party may terminate this MOU at any time, with or without cause, upon thirty (30) days' notice to the other party.

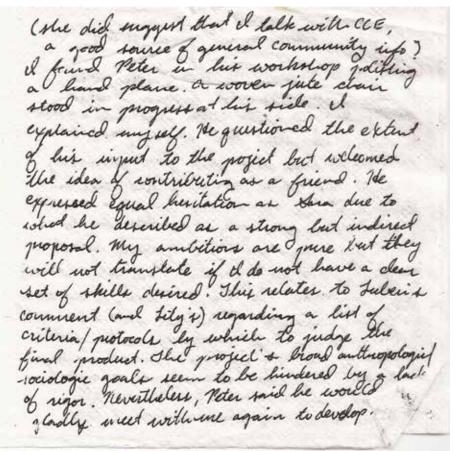
SO AGREED as of the 7th day of February, 201	6.
CAMERON NEUHOFF	_
(Representative of himself)	
RED GIULIANO	_
(President of Reta Theta Pi and representative of the Bro	ther

A Memorandum of Understanding drafted with the help of good friend who is also a lawyer.

Meeting with Notes and set ... [1.20] to drove to my parking that of closes a be dis militared Elements sprying several poslets stacked with stone belling the stone. Il entered the store and skirled just Notes in order to take with this first, promising to return for a chief . Il ensormtered stara on the second floor as she rearranged a number bealloards, seeningly at random due to the blatant distraction of my unprecise speech. specificily, she said, would facilitate a (more) helpful response. Perhaps, she said, il marrow down my definition of eraft so that she could recommend homes orediated with files withen of fishing to her brain at random. also, six faid, her brain was somewhat fatigued from a mascent illness . the consplimented my shelves and I left.

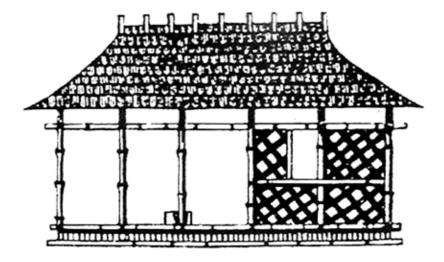
Notes taken on a napkin after my first engagement with the community

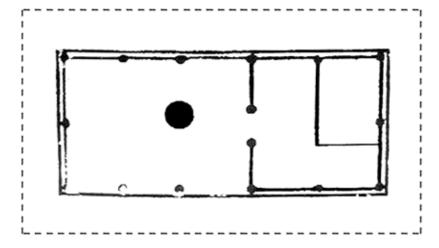
Panoramic view of the site due to improper film exposure



The back of that same napkin



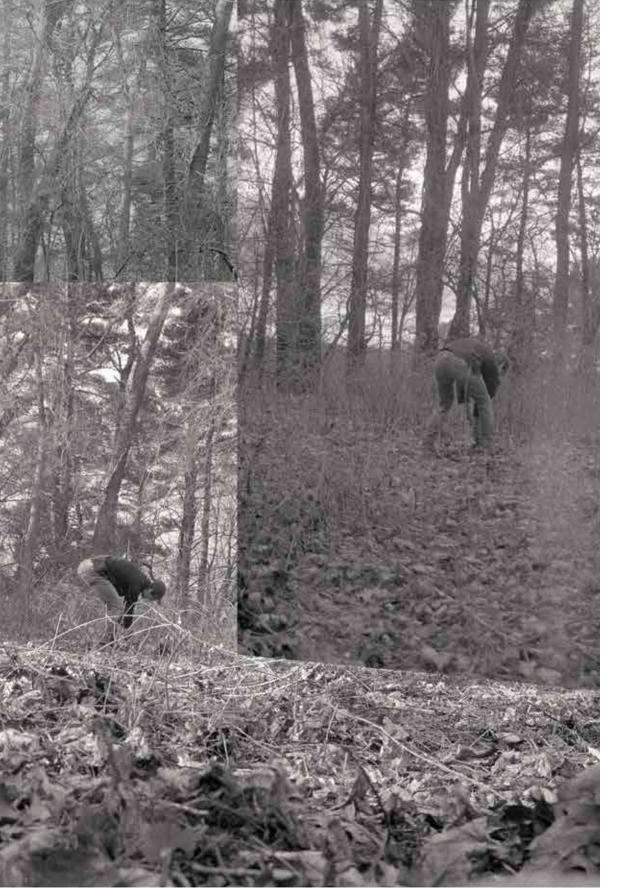




### **SCHEMATIC PROPOSAL**

The organizational principles of the practical shed are derived from the theories of Gottfried Semper and Antoine Laugier, whose discussion of four essential elements of architecture and primitive huts advanced the reading of universal architectural standards. I hesitate, however, to construe the practical shed as a primitive hut. My ambitions are not to investigate or reinterpret the elemental basis of architecture. Rather, I refer to Semper's hearth, mound, enclosure, and roof as a framework for interaction. All architecture needs structure (maybe a fifth element?), and these pieces provide a clear agenda for the shed's development. Assigning a particular craft to each individual element, I develop a local and global dialogue between practices and traditions. A masony fire pit, cob floor, woven wall, sail overhang are concrete terms that allow me to communicate effectively with a broad community.

Gottfried Semper's Carribean hut with added dotted roof line



### **PREPARATION**

(Peter described my project as a configuration of material that it informed by and responds to the different crafts that it surrounds.)

Andy of against - (talk to Nam, his an expert the best time to enadicate the at that?)

However weeds it in spring?

Porton is effective only when it towher follows or toff roots of trimmed stems.

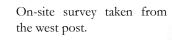
Use a pick ax... marghe sent a mower...

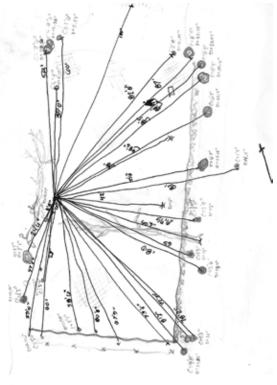
fill and brush wrower.

Curly had a firm handlake.

Advice from a local weed specialist. I brought Andy an example of the thorny brush consuming the site.

The thorny brush and its removal.







On-site survey taken from the east post.

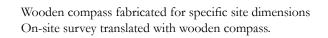


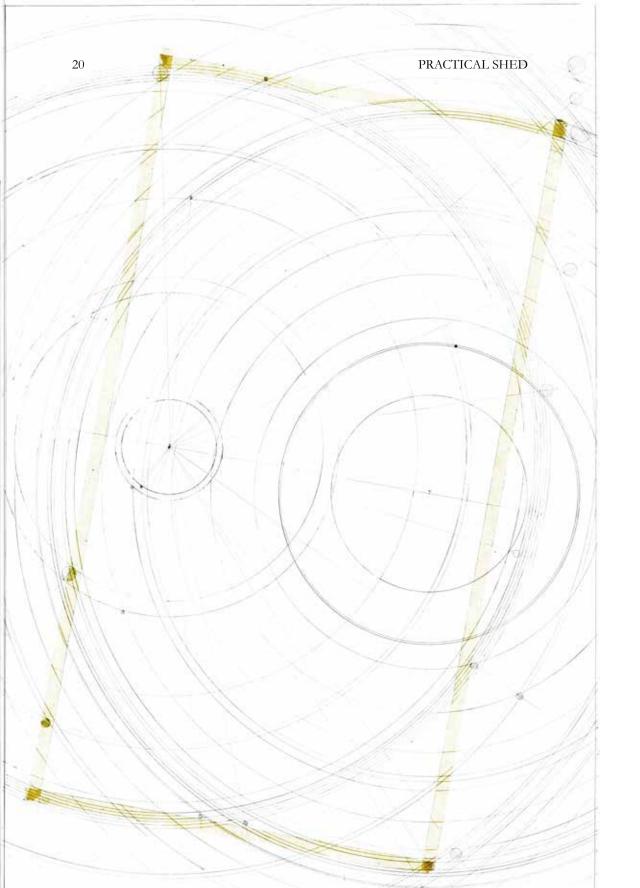


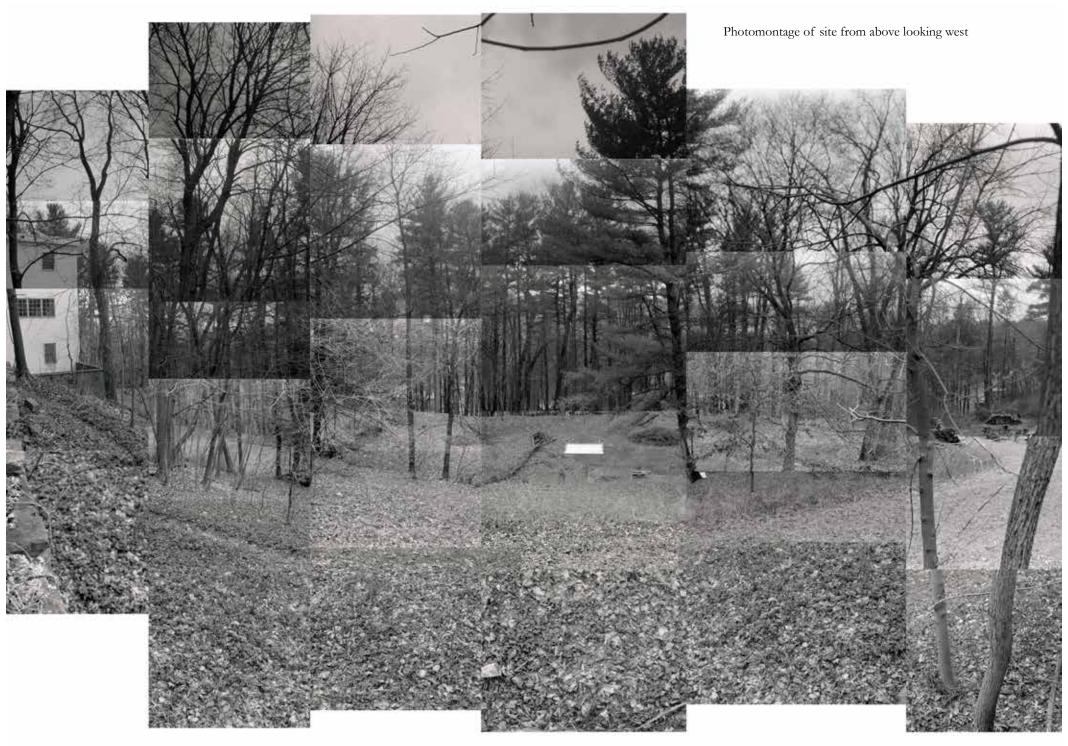


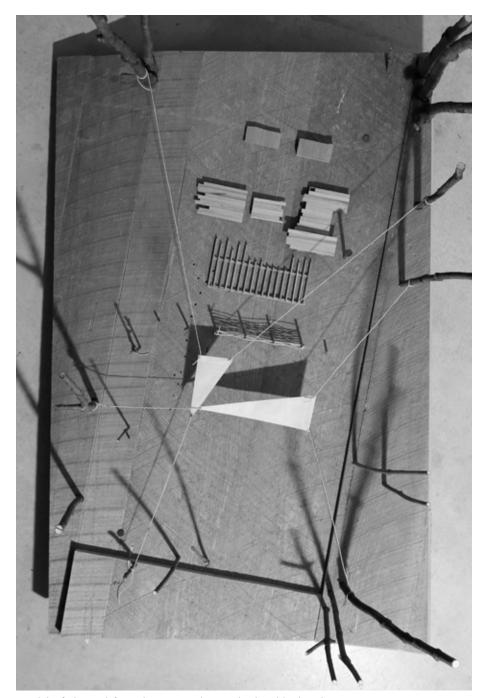




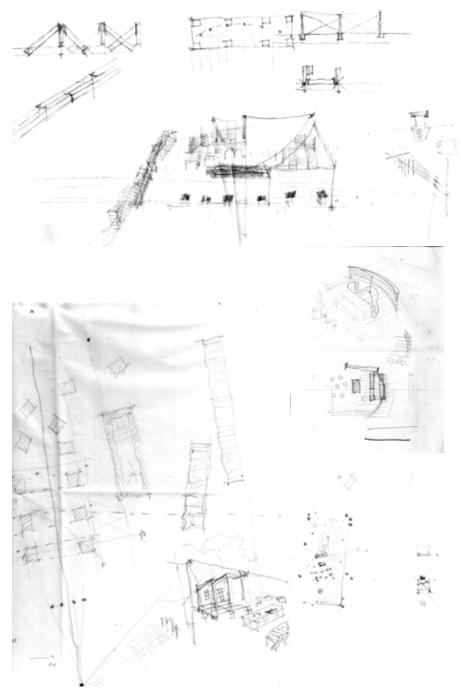




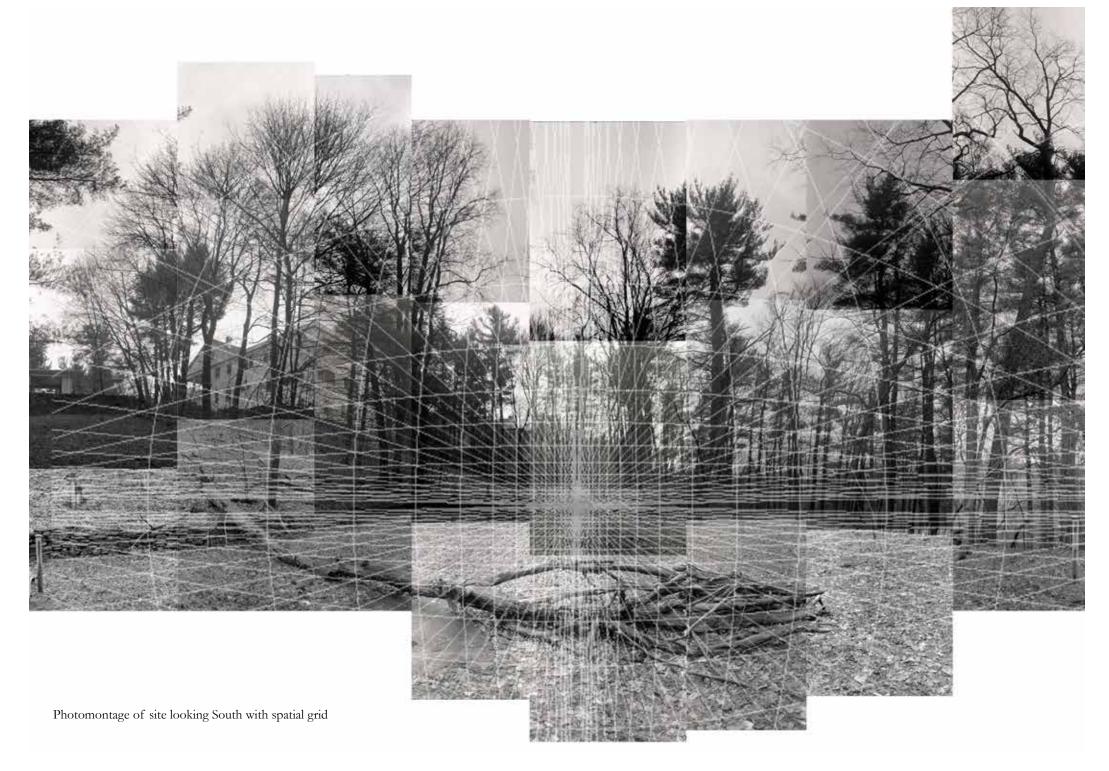




Model of site and four elements to be manipulated by hand

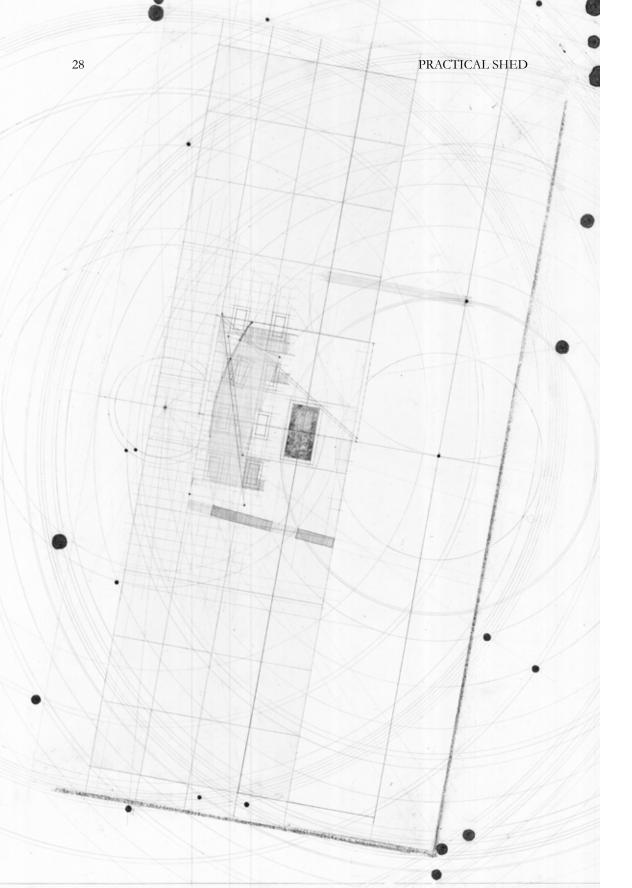


Sketches of elemental manipulations



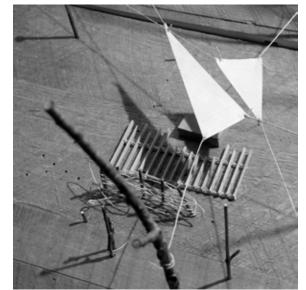


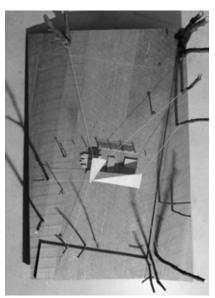
29

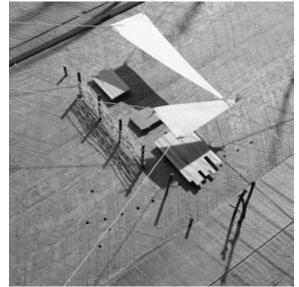


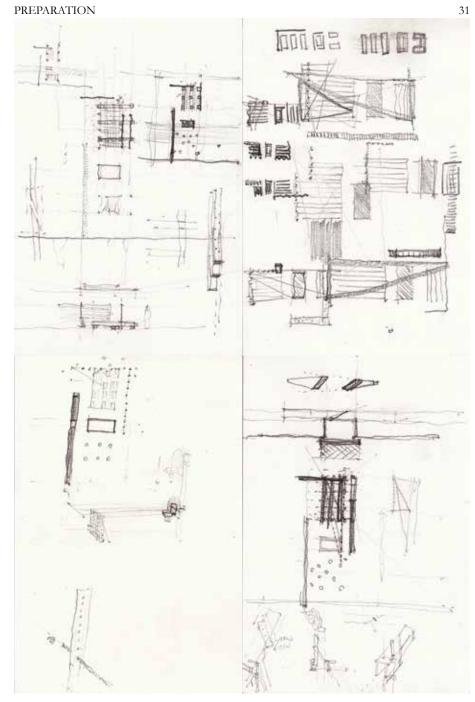
Early iteration of the shed's configuration



















Cameron Neuhoff <cdn42@cornell.edu>

Mar 31

to jim-tyler 🔻

Hello Mr. Tyler,

This is Cameron Neuhoff, President of Building Community. Just wanted to thank you for your willingness to demonstrate such a unique craft and to help our club produce publicity material with the Risley letterpress studio!

I'm contacting you now because I am also working on my final thesis for my undergraduate architecture degree at Cornell. My project is focused on the value of craftsmanship and making in the production of architecture. I've organized several workshops around different local trades that relate to elements of architecture, but I'm also wanting to showcase other crafts and instances of handwork. If you're interested, I'd love to document the letterpress process as demonstrated by a local expert. I was thinking about using the press to print simple invitations for the workshops I am having in April, similar to the ones we have been printing for Building Community.

Would you be available and willing to do this during the usual time period on Saturday? 10 am?

I look forward to hearing back from you and involving you in my project!

Sincerely, Cameron

Jim Tyler <jim-tyler@fast.net>

Mar 31

to me 🔻

#### Dear Cameron.

I am pleased that you would like to use the letterpress shop in Risley to print invitations to your workshops. . This Saturday, unfortunately, I have promised to be elsewhere from about 10 am to about 2 pm. I could, if you like, plan to be in the shop by 3 pm. That might give us time to talk over your project and for you to begin work on it. Then, if it is not too complex, and if your schedule allows, we might start in again about 1 pm on Sunday an complete the job. Have you found the paper that you would like to use? Have you made any decisions about color(s) of ink? All best, Jim











Piles of architectural elements in raw state: wood, stone, sand, vines

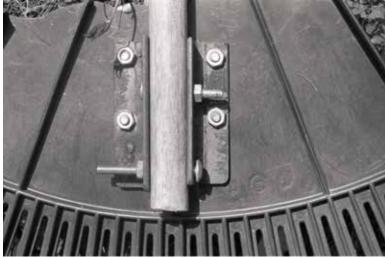








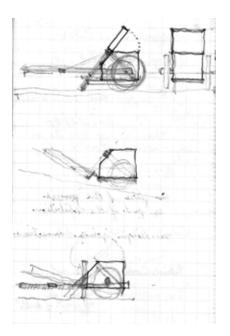






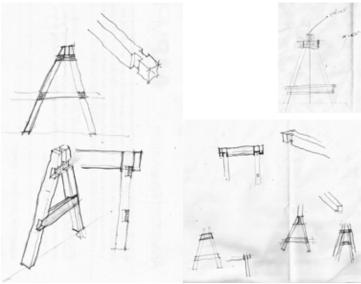








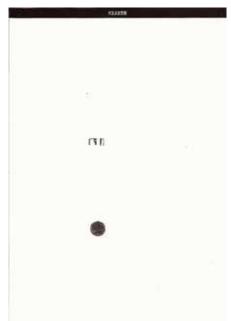


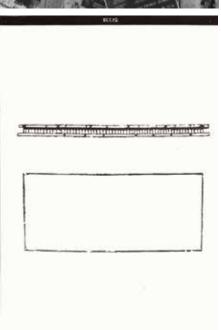




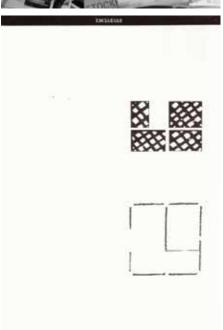




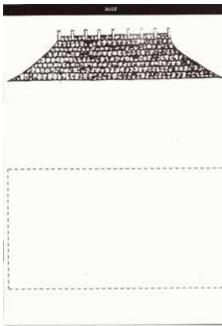












### PHASE 1



PHASE 1

JOIN US on April 16 at 11:00 am for 2 short

### WORKSHOPS behind BOII

with local craftsman Randy Ruth with Beta Brother Ben Sperry

PLEASE CONTACT CAMERON NEUHOFF TO PARTICIPATE



57

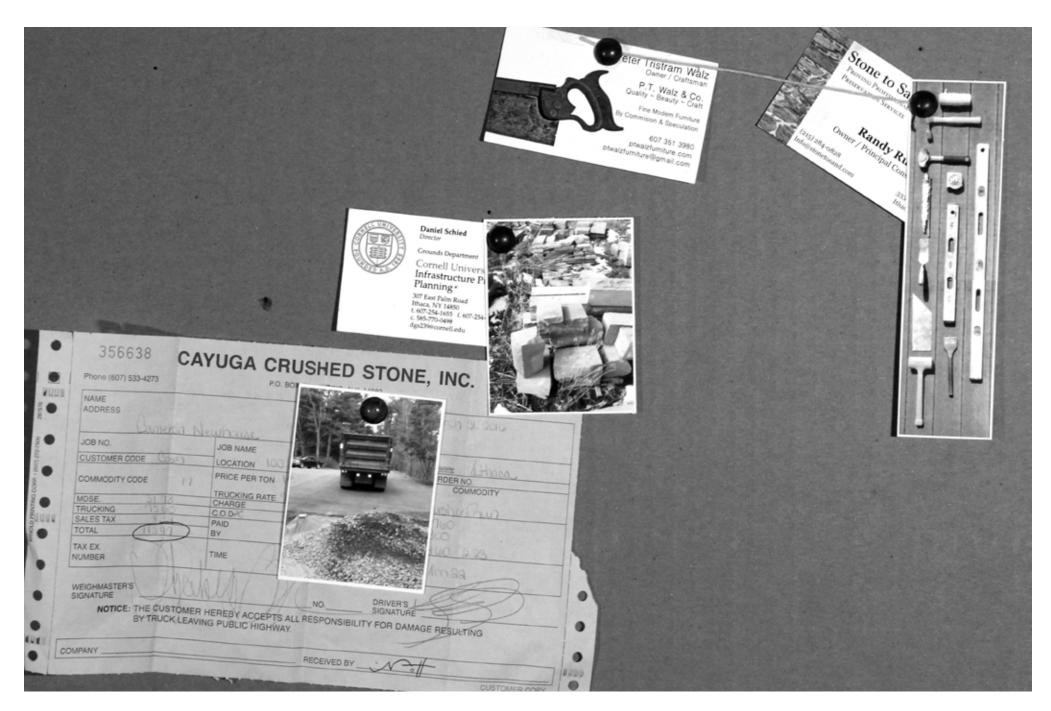
**PLATE 36** Morning



PLATE 36 Morning

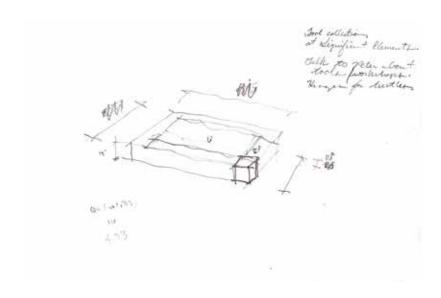


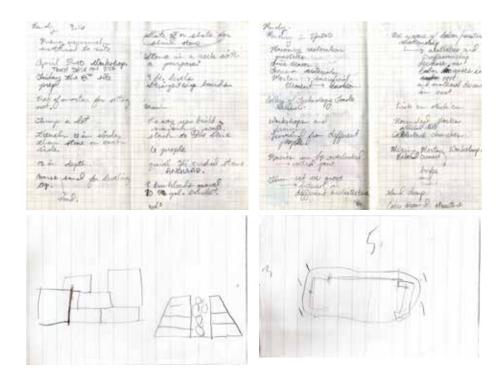
**PLATE 36** Morning



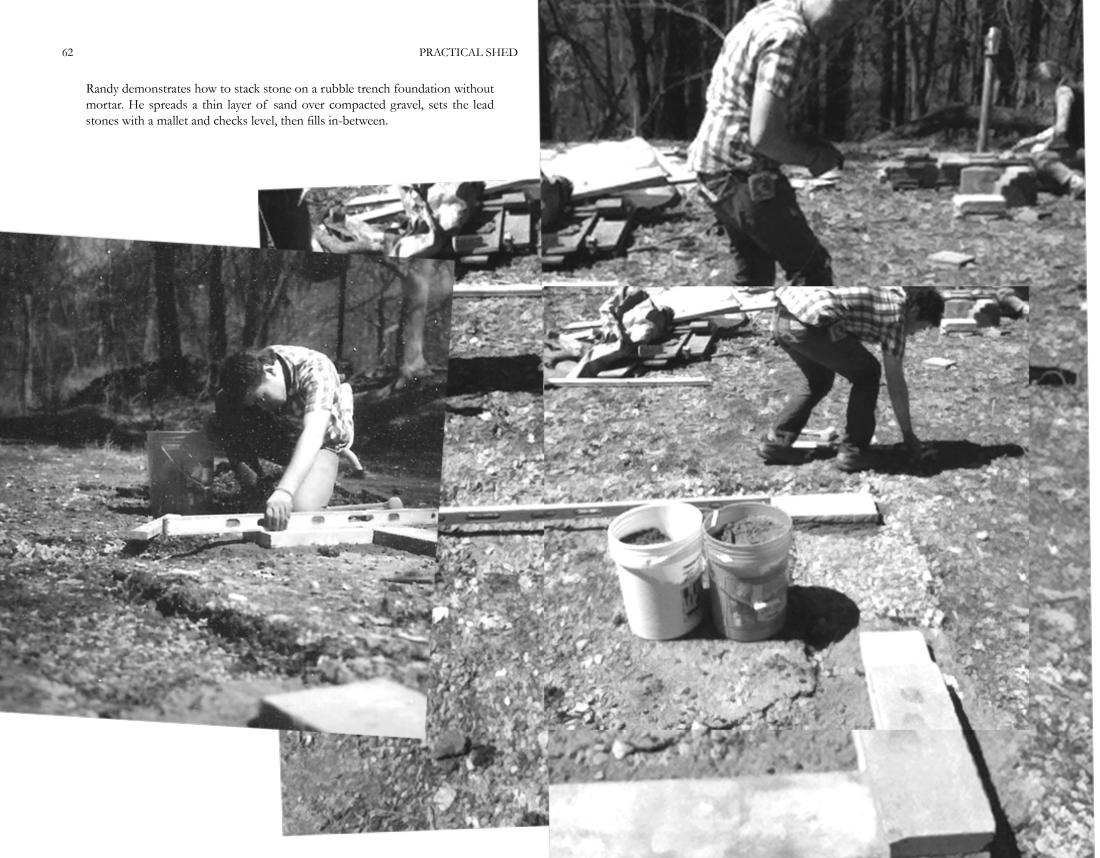
Map of interactions that yielded the masonry workshop.











PRACTICAL SHED PHASE 1 65

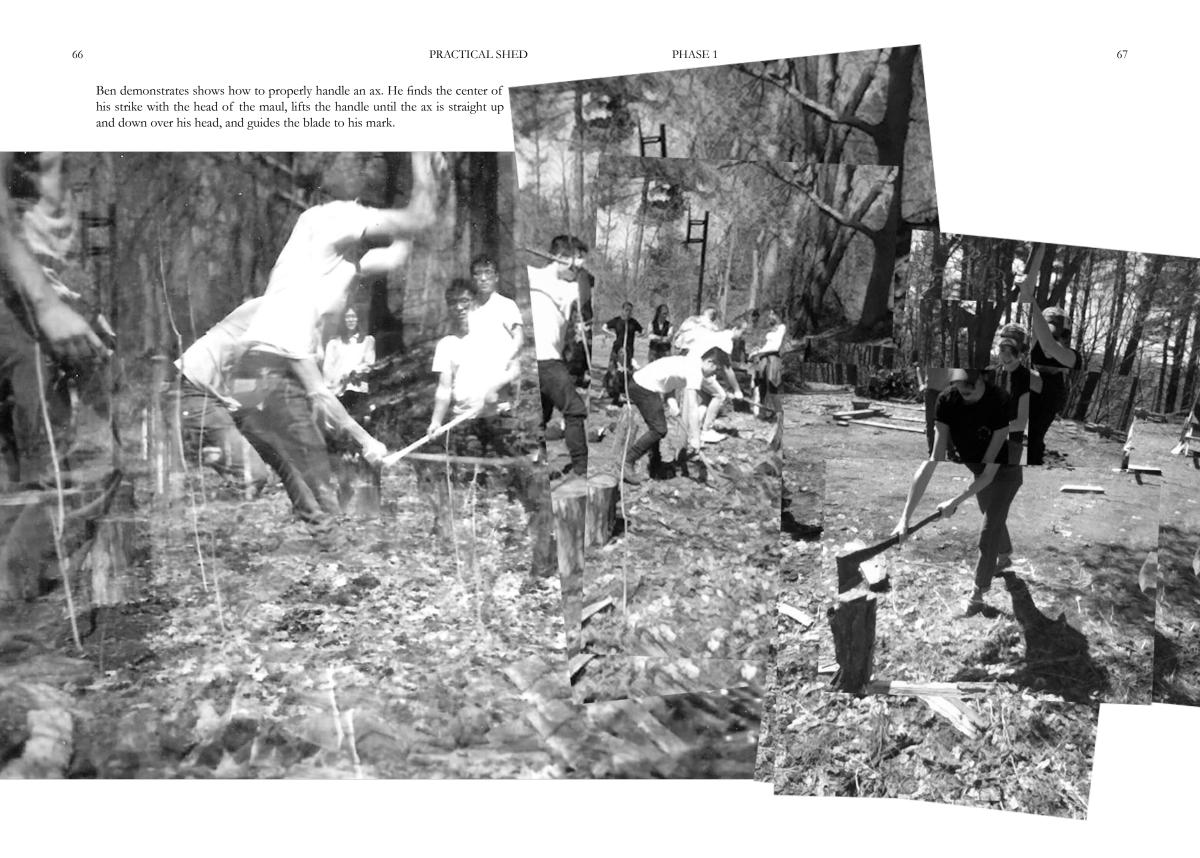


We break for lunch: gazpacho and bread.

### CHILLED GAZPACHO

- 3 pounds tomatoes, peeled, seeded and chopped
- 4 cups tomato juice
- 1 cup cucumber, peeled, seeded and chopped
- 1 cup red bell pepper, chopped
- 1 cup onion, chopped
- 2 small jalapenos, seeded and minced
- 1 medium garlic clove, minced
- ½ cup olive oil, extra-virgin
- 2 limes, juiced
- 4 teaspoons balsamic vinegar
- 4 teaspoons Worcestershire sauce
- 1 teaspoon cumin
- 2 teaspoon salt
- ½ teaspoon pepper
- 4 tablespoons basil leaves, chiffonade

Select good, firm, ripe tomatoes. Combine all ingredients in a large bowl. Remove half of the mixture, blend it up, and add it back in. Chill in the refrigerator overnight.



### PHASE 2



PHASE 2 71

### JOIN US

on April 24 at 11:00 am for 2 short

### WORKSHOPS

behind BOII

# GOB BUILDING

with local craftsman Matteo Lundgren

## WOOT AUTHOR

with Beta Brother Nic Jedema

PLEASE CONTACT CAMERON NEUHOFF TO PARTICIPATE



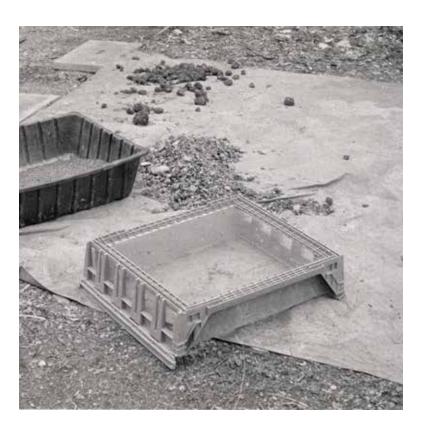






Map of interactions that yielded the cobbing workshop.

74 PRACTICAL SHED PHASE 2 75





Matter - distance asponsed from debt cattered.

Il sole for survivors in to brill a sheller...

Poor to Bread... Matter ...

Prome to Bread... Matter ...

Princomailed from being being beauth a willout the shelle to baild.

Tomething becomes enlocked."

Stick beell... you're not bruiching, you're patting it together.

Possestication of building

Brilding later in USA doesn't autosporte new anderials and anterials cot.

Their (Chime) is at alive.





Matteo helps us mix and build cob the proper way. All cob begins with coarse sand, clay, and straw. Seventy percent to thirty percent to "enough that you can really see it" respectively. Add a bit of water to start the mix and find a rhythm with your partner. Once the mud reaches an even consistency you may begin the process of integration and discover the reality of cobber's thumb.

78 PRACTICAL SHED PHASE 2 79



We break for lunch: brisket, corn, and green beans.

#### **OVERNIGHT BRISKET**

- 5 pounds brisket
- 2 stalks celery
- 2 onions, quartered
- 1 tablespoon salt
- 2 teaspoon pepper

Bake brisket together with celery, onions and spices for 7-8 hours at 225 degrees. Allow meat to cool and slice across the grain. When ready to eat, reheat in the oven for 30 minutes at 425 degrees.

#### **ROASTED CORN**

8 ears corn

Do not remove the husk. Bake in the oven directly on the rack for 30 minutes at 425 degrees.

#### **ROASTED GREEN BEANS**

- 2 pounds green beans
- 1 tablespoon salt
- 2 teaspoon pepper
- 1/4 cup olive oil
- 1 clove garlic

Toss everything together and bake for 30 minutes at 425 degrees.



### PHASE 3



PHASE 3 85

on May 01 at 11:00 am for 2 short

JOIN US

## WORKSHOPS

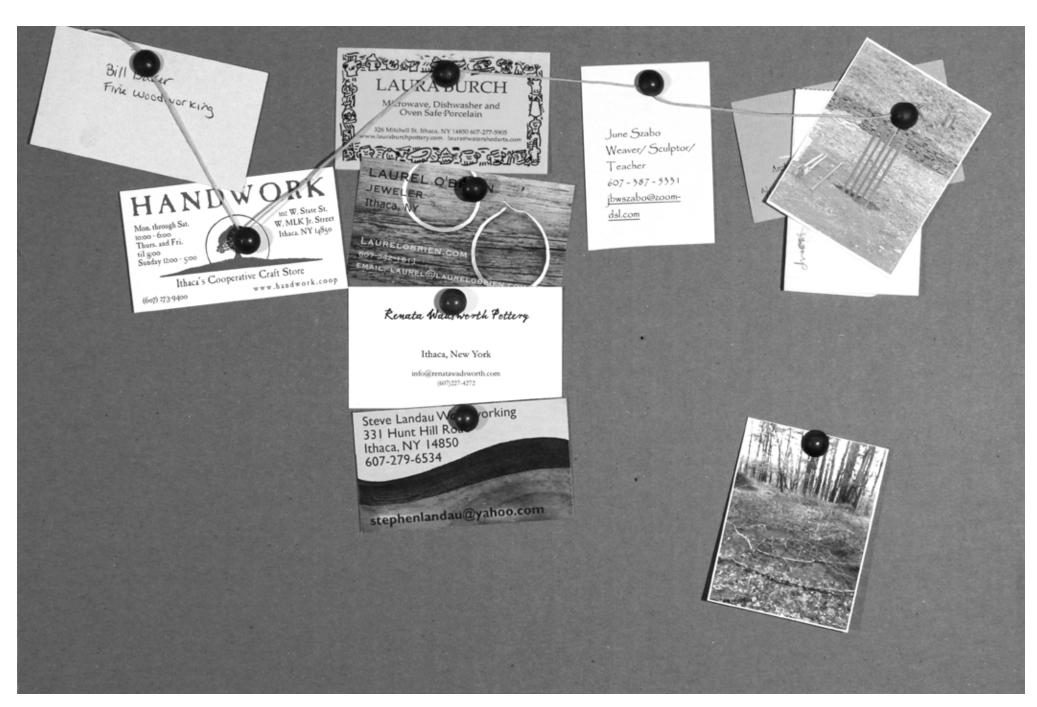
behind BOII



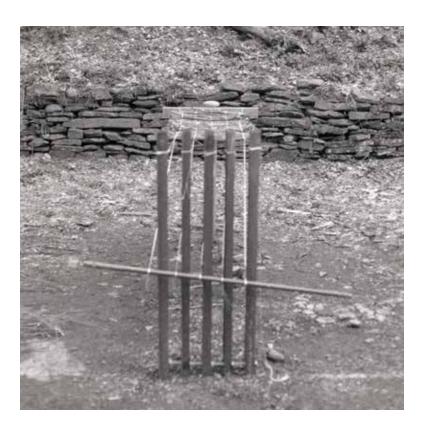
with Beta Brother Peta Feng

PLEASE CONTACT CAMERON NEUHOFF TO PARTICIPATE





Map of interactions that yielded the weaving workshop.



Solety year, Shrinkayer Shrink County out out.

Thought for love to the end pines

Molert which without Breader has to be smooth a handle or each end.

They person for each end.

Pelicon apport. I have pieur of the process as put of the exhibition per deign joints/connections

To I tall yourse. Brick County iterating when construction to the process of their and interesting when the start of the county of the end of the county of the connections and the county of the county



92 PRACTICAL SHED PHASE 3 93



We break for lunch: pork tacos.

#### SLOW COOKED PORK SHOULDER

- ½ pork shoulder
- 2 tablespoons butter
- 1 tablespoon oregano
- 2 teaspoons cumin
- 1 tablespoon salt
- 2 teaspoon pepper

Mix the spices and butter in a small bowl. Cut 1 inch deep slits in the pork and fill with butter and spice mixture. Bake pork shoulder for 3 hours at 350 degrees. Allow meat to cool and shred.

#### **ROASTED VEGGIES**

- 2 red bell peppers, chopped
- 2 onions, chopped
- 2 tablespoons vegetable oil
- 2 teaspoons cumin
- 2 teaspoon salt

Toss everything together and bake for 30 minutes at 425 degrees.



Peta explains how to use a precut template to form a card holder out of vegetable tanned leather. He cuts two profiles out of scraps with a utility knife, scores around the edge, punches holes for stitching, clamps the material together, and sews a saddle-stitch with waxed cotton thread to bind the two pieces together, burnishing the edges to finish.

### PHASE 4



PHASE 4

### JOIN US

on May 07 at 11:00 am for 2 short

## WORKSHOPS

behind BOII

# SAIL ERECTING

with local craftsman Keith Vanderhye

## KNOT TYING

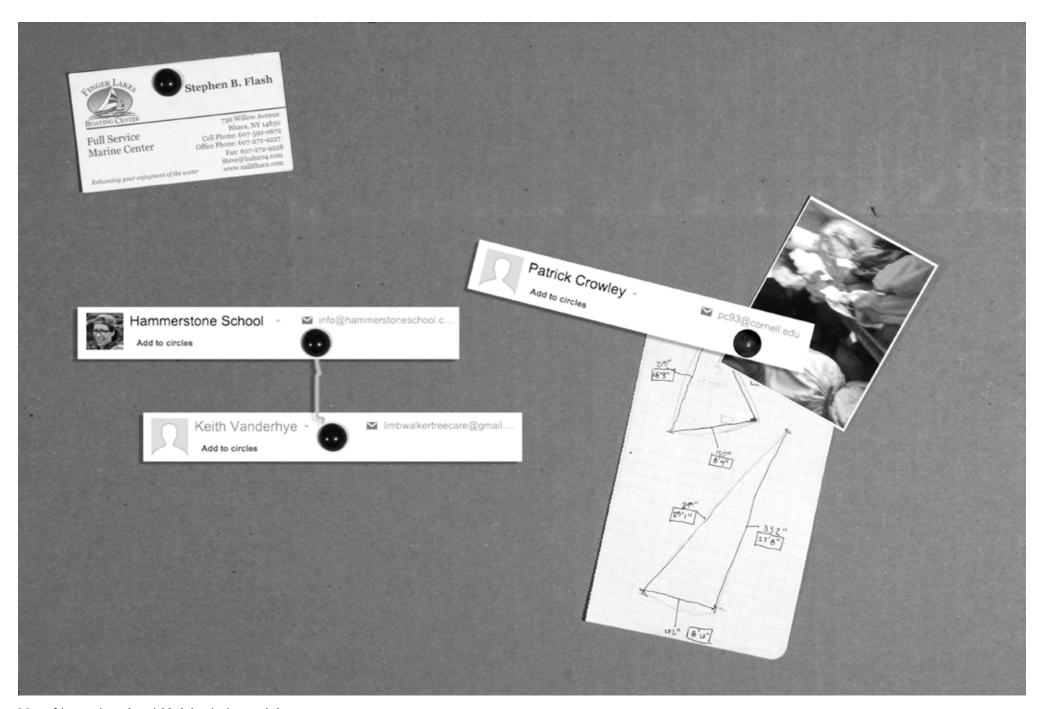
with Beta Brother Samuel Creighton

PLEASE CONTACT CAMERON NEUHOFF TO PARTICIPATE









Map of interactions that yielded the rigging workshop.



Mills - Limbewalker"

Soon did gog Lynn de 

Good for dong it ...

The docupet think through

strately for done it ...

Mal thing - Site wint

[aldling community] will

gravely that dong:

Weelswiish advantage

"glorified clothestine"





PRACTICAL SHED PHASE 4 107



**PLATE 1** We break for lunch: seafood stew.

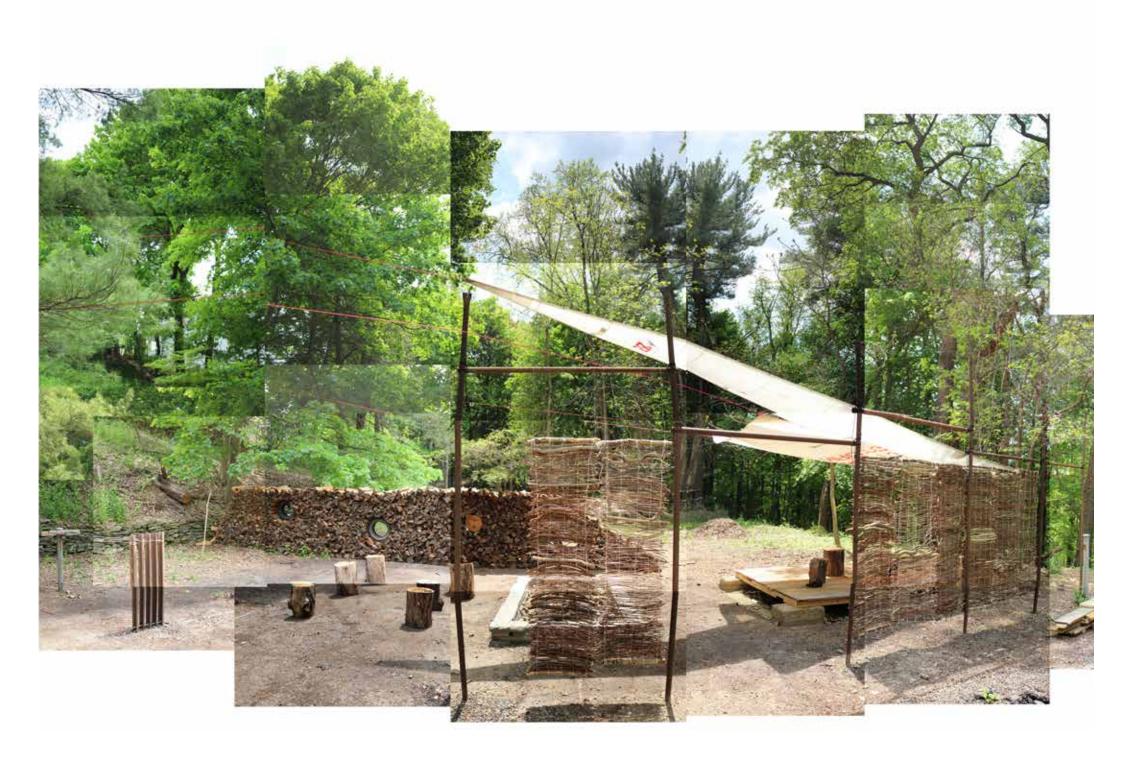
#### **SEAFOOD STEW**

- 3 tablespoons olive oil
- 1 cup thinly sliced fennel
- 1 cup finely diced onion
- 2 cloves garlic, finely chopped
- 1 carrot, peeled and diced
- 3 thyme leaves
- 2 tablespoons tomato paste
- 1 teaspoon fennel seeds
- 1 teaspoon fish sauce
- 14 ounces whole peeled tomatoes
- 1 cup dry white wine
- 16 ounces clam juice
- 8 ounces cod, cut into 1-inch pieces
- 1 pound clam meat
- 1 pound shrimp, peeled and deveined
- 1/4 cup chopped fresh parsley
- 1 teaspoon salt and pepper

Saute fennel, onion, garlic, carrot, and thyme on for 5 minutes. Add fennel seeds, tomato paste, and fish sauce. Continue to cook for 3 minutes. Deglaze the pan with wine and reduce. Add everything but the fish and bring to simmer. When ready to eat, add the seafood and cook for 5 minutes.

#### OCCUPANCY AND USE





























#### **INDEX OF PEOPLE**

Angela Carbone Jonathan Ferrari Danny Salomon Steven Flash Ekin Bilal Lily Chi

Ihwa Choi Luben Dimcheff Daphany Shen John Lai Keith Vanderhye Charlie Pomada Matteo Lundgren Steve Yaros Nick Digiacinto Brian Beeners Randy Ruth Kevin McGraw Patrick Crowley Daniel Schied Isabella Crowley Guillermo Metz

Nic Jedema Red Giuliano

Michael Raspuzzi

Peta Feng Sam Creighton

Matt Wllingford

Mike Lee Ben Sperry Andrew Shi Naomi Tashiro Ainsley Cullen Maggie Zink Gosia Pawlowska

Nils Axen

Melis Schildkraut

Johnny
Peter Walz
Jim Tyler
Pat Curran
Sara Johnson
Laura Burch
Bill Baker
June Szabo

Maria Klemperer-Johnson

Thank you all for your generosity and

good spirit.