

CRAFT + MATERIAL

Clint Ronsick | Portfolio 2020

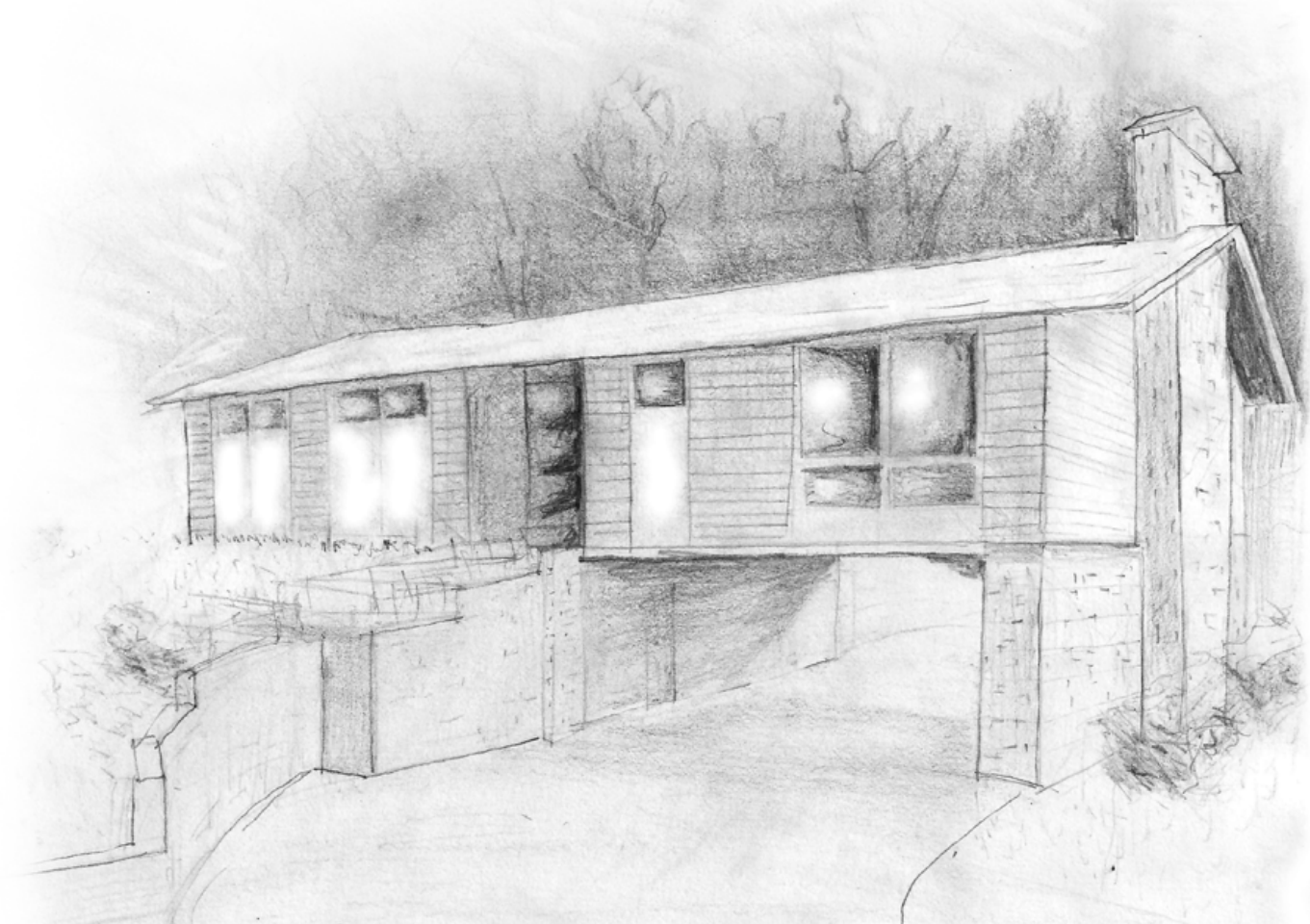
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Woven Bench Seat

Maple, Rush Seat, Cross Lap Joinery

My goal for this bench was to make sure that it was completely absent of any metal hardware. Hence, the structure of the frame is completely reliant on cross lap joinery coupled with strategically (and aesthetically) positioned wooden dowel pegs.

The only other material in the piece besides the wooden pegs and hard maple members would be its fiber rush weaved seats. The traditional weaving pattern was modified to compensate for the arching profile of the seat members, which gives it its distinctive silhouette.

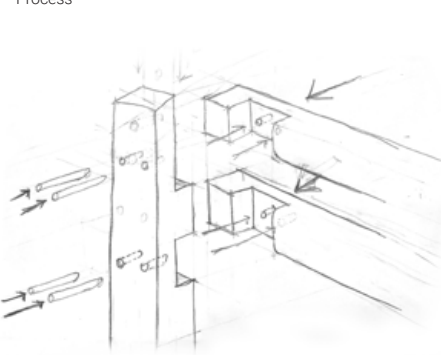
Finally, I finished the frame with multiple coats of Danish oil and the seat with a honey colored lacquer that gives the entire piece its warm glow and shows off the natural depth of its materials.



Inspiration



Process



Connections



Public Bus Stop Seat

Salvaged barbed-wire hardware legs, cypress seat

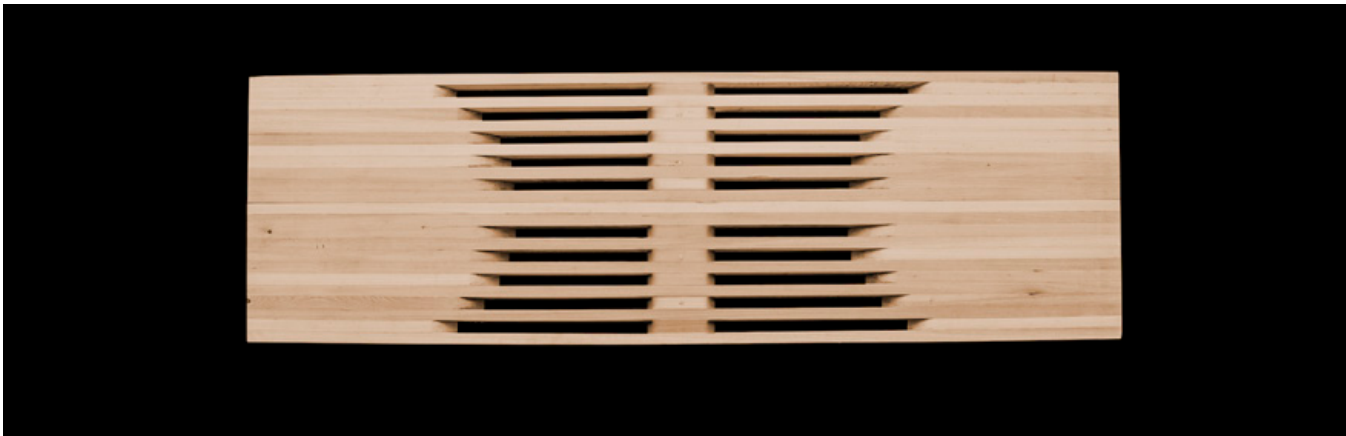
This miniature design build was a component of my experience engaging with the community of the Fuller Heights neighborhood (as seen in my independent study). I started off by casually knocking on doors on one of my frequent site visits and listening to any residents willing to talk with me.

I learned that the most frequented bus stop in the neighborhood was without a place to sit. I also learned that next to it was a barbed-wire fence that proved to be a hindrance to the residents ability to get into the public park behind it.

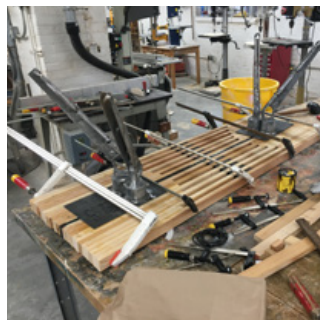
Eventually I found a mangled pile of said fence as it was in the process of finally being dismantled by the city. I was able to salvage pieces of old barbed wire hardware that just so happened to be of the perfect size and dimensions to be used as legs. These I welded to a steel plate, fastened to a delicate slab of laminated cypress strips and bolted into the ground on site.

As of publishing this portfolio the bench is still providing members of the Fuller Height Community a place to sit in the shade while waiting for the bus.





Welding Processed Scrap



Mounting

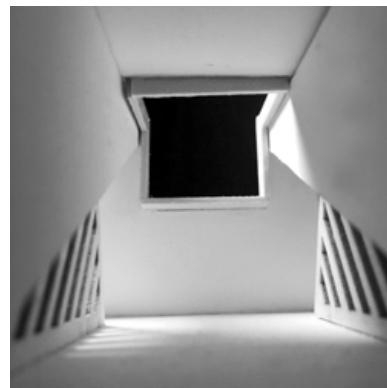
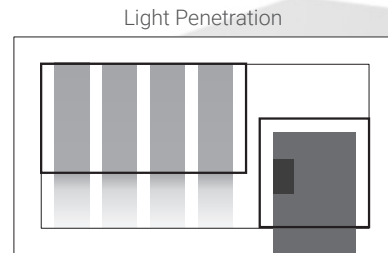
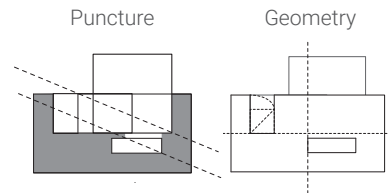


Form Making + Precedents

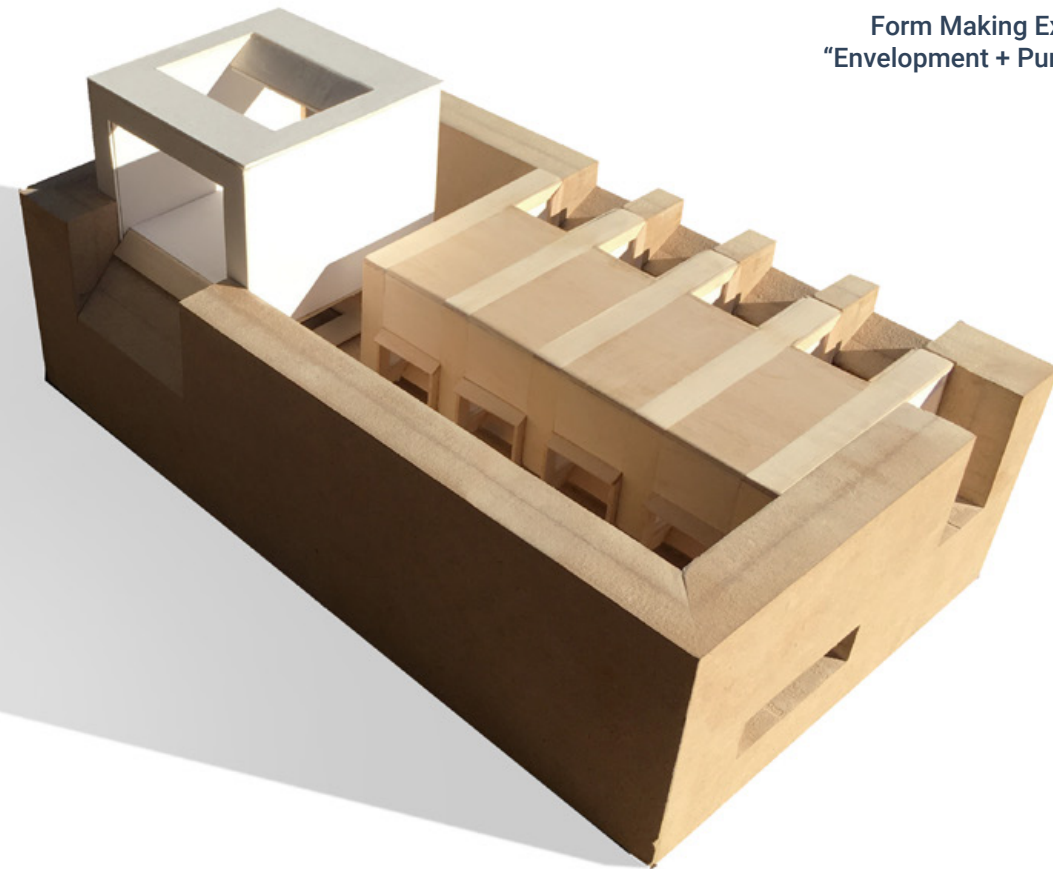
Diagrammatic Models and Drawings

This section consists of an assortment of models & drawings that use abstract forms & diagrams to examine underlying architectural systems. Three of the five presented projects presented here were collaborative team projects.

Through highly intentional use of material, research and iterative diagramming, my team mates and I were able to make clear the underlying intentions behind many of these projects.



Form Making Exercise “Envelopment + Puncture”

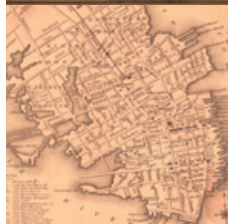


Charleston, NC Urban Analysis Diagrammatic Drawing & Modeling

1780



1849

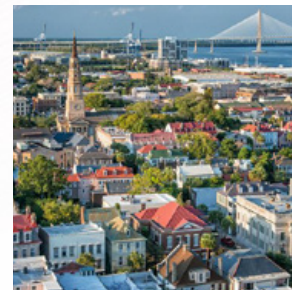


1877



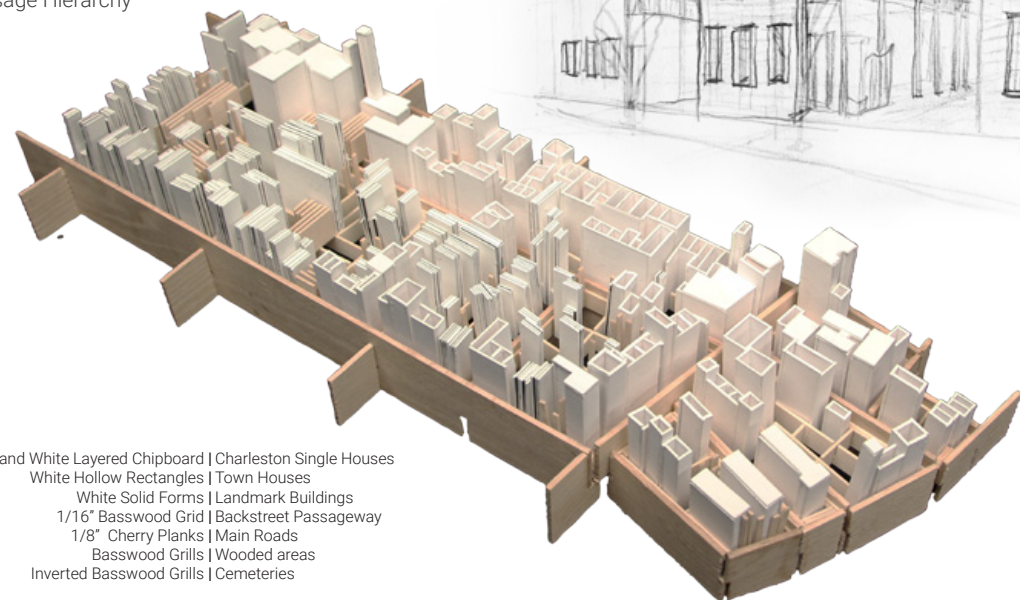
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Historic Ports, Roads
& Landmass Synthetic
Diagram



Building Typology &
Passage Hierarchy

- Black and White Layered Chipboard | Charleston Single Houses
- White Hollow Rectangles | Town Houses
- White Solid Forms | Landmark Buildings
- 1/16" Basswood Grid | Backstreet Passageway
- 1/8" Cherry Planks | Main Roads
- Basswood Grills | Wooded areas
- Inverted Basswood Grills | Cemeteries

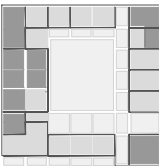


Model Team Mates| Jesse Reichmeider & Jake (Hao) Lin

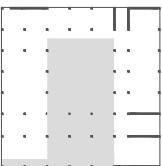
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Casa Del Fascio Como, Italy

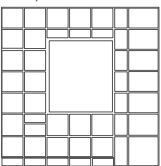
Public vs Private



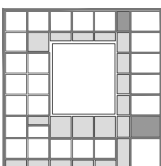
Structure



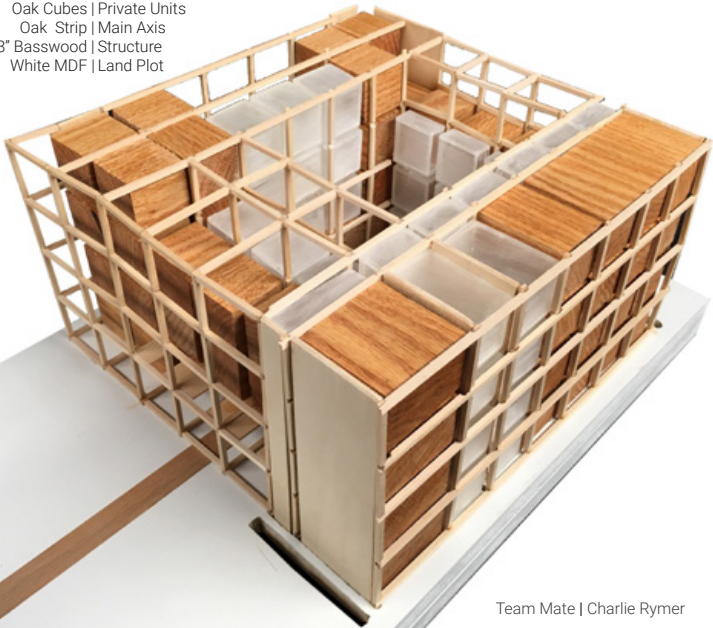
Spatial Units



Circulation



Frosted Acrylic | Public & Circulation
Oak Cubes | Private Units
Oak Strip | Main Axis
1/8" Basswood | Structure
White MDF | Land Plot

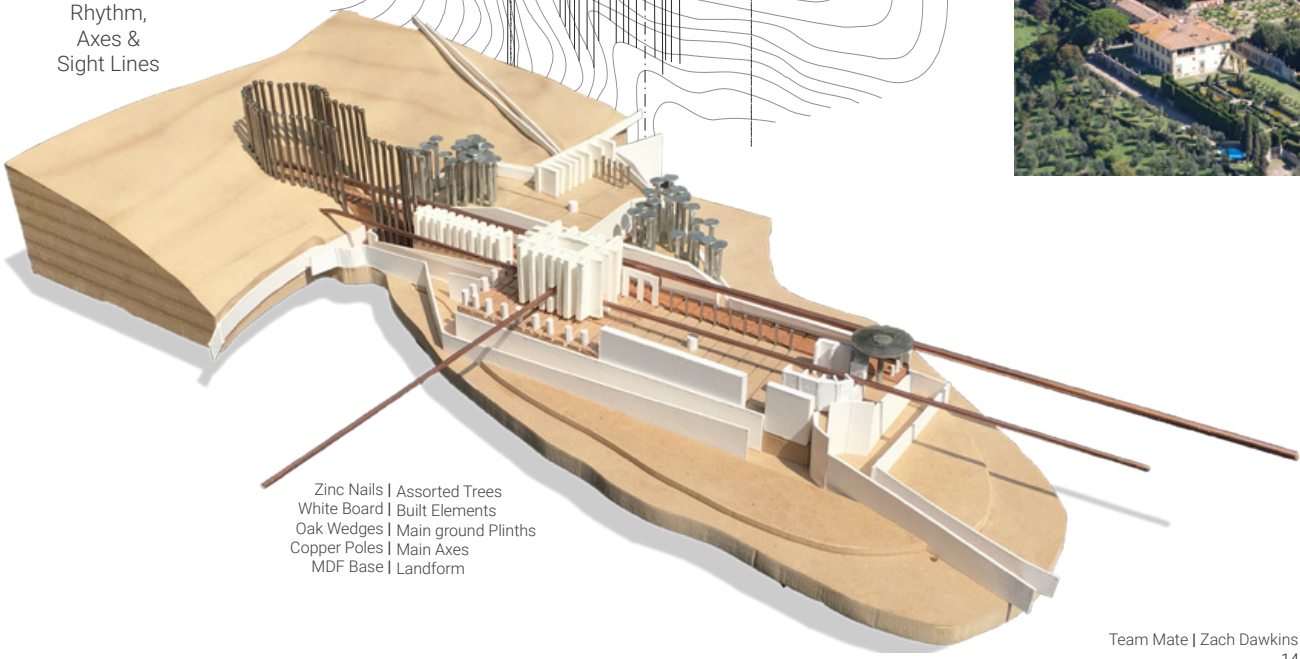


Team Mate | Charlie Rymer



Villa Gamberaia Florence, Italy

Rhythm,
Axes &
Sight Lines



Zinc Nails | Assorted Trees
White Board | Built Elements
Oak Wedges | Main ground Plinths
Copper Poles | Main Axes
MDF Base | Landform



Team Mate | Zach Dawkins

NCSU Student Design Build

Mobile Museum of Princeville NC, Summer 2019

Thirteen of my peers and I, with almost complete independence, designed and built this fully wired and air-conditioned mobile museum to celebrate the rich history of Princeville, NC; the first town in the United States to be founded by African-Americans back in the year 1885. It's mobility allows the town to transport it to safer ground during the frequent flooding that the community has to endure. It being on wheels also opens up the possibility for traveling exhibitions, complete with bold graphics that assert the towns identity and date-of-foundation to the public.

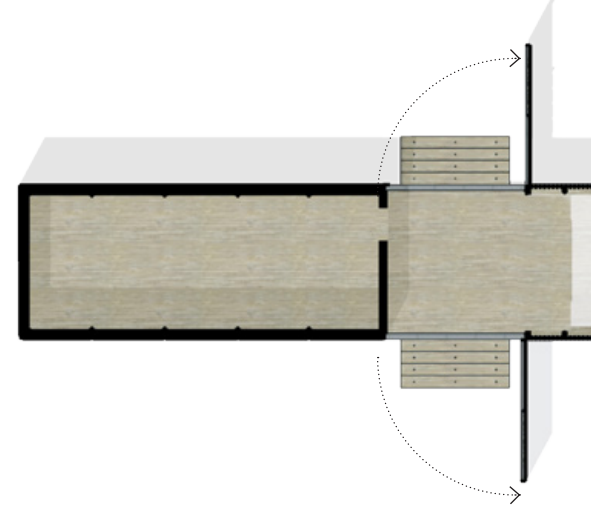
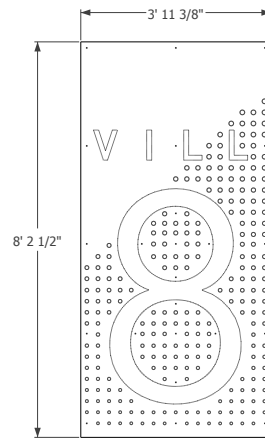
The buildings graphics are plasma cut and CNC routed into its overlapping layers of aluminum sheet & pre-rusted COR-TEN steel. The ruggedness of the rusted finish and its relationship with water acts as a metaphor for Princeville's resilience and strength in the face of repetitive flooding as well as its other challenges such as historic racism and its current economic hardships.

During the construction phase of this project I was involved in every single on-site activity from welding and wall framing to roofing and interior finishes. From this daily reckoning with the realities of construction I have developed a deeper appreciation for the connection between the design process and the construction process. I am proud to have worked on, what I believe, is the NCSU College of Design's most ambitious, altruistic and well executed Design-Build to date.

Link to news story/video

<https://abc11.com/society/nc-state-students-create-mobile-museum-to-serve-princevilles-history/5419621/>





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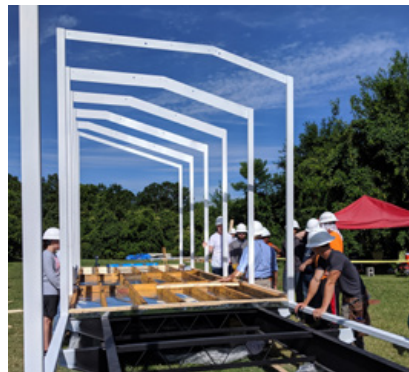
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Clint Ronsick
Charlie Rymer
Dusy Sicard
Tim Yang

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NCSU College of Design Materials Lab
NC Museum of History
Sika Sarnafill
Town of Princeville
Vega Metals



Steel Structure Framing

Stud Walls and Insulation

Interior Gallery

Public Porch | Founding Document & Signatures

Night time view

Gallery in use