



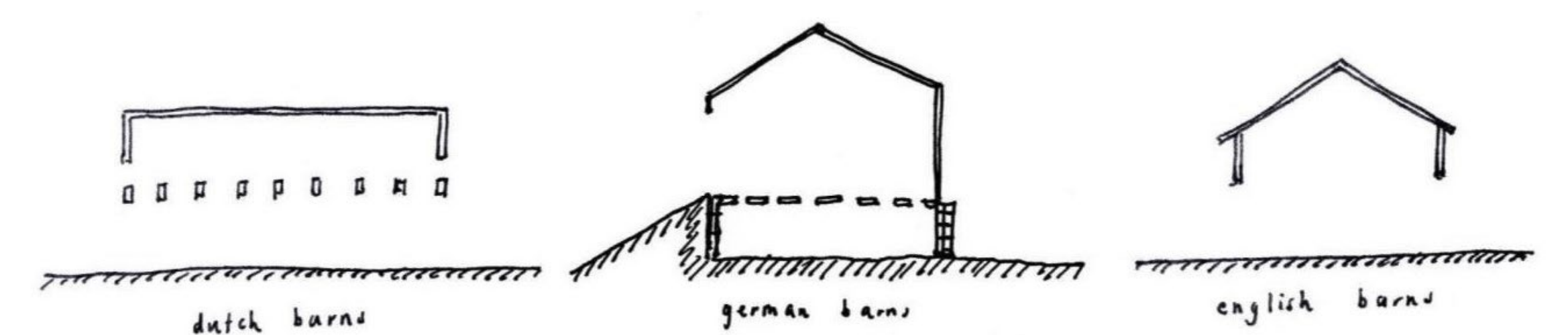
Above Image: Donn and Maryrose's Barn

In an event called an Amish Barn Raising, the barn was put up in one day by the local Amish community and Donn and Maryrose's family and friends. The wood is local larch and ash. The floorboards of the barn is from the ash trees on the property, pictured above. The barn stores hay for their sheep and draft horses. They run a dairy called Northland Sheep Dairy.

The Barns of Central NY

Barns are architecture for storage. They store physical objects such as hay, animals, tractors and have embodied cultural energy. Embodied cultural energy is the total energy a building requires/acquires from its construction (ex. Amish barn house raisings), its stewards (ex. some barns have been around for generations), and what it stores (ex. animals, hay, tractors). By studying barns and their embodied cultural energy, we can learn about the culture and history of the people and places that these barns are sited in.

Documenting embodied cultural energy can tell untold stories and prevent lost cultural knowledge. In architecture, understanding embodied cultural energy can be a tool for architects to design sustainably for a place, people, culture, and society.



Typology of Barns

References

Falk, Cynthia G. Barns of New York Rural Architecture of the Empire State. Cornell University Press, 2012.

Sein, Maiko. photographs and sketches, Summer and Fall 2021.

Further Readings

Benjamin. Embodied Energy and Design: Making Architecture between Metrics and Narratives. Columbia University GSAPP ; Zurich, 2017.

Advisors and Acknowledgments

Donn Hewes & Maryrose Livingston, Dick & Chris Nielsen Berg, Anne Culp, Kamilla & Amos Mainville, The Laidlaw Foundation, Professor Jane-Marie Law, Professor Suzanne Lettieri, Kristin Ramsay, Lily Stern, Christopher Betancourt, Benjamin Velani, Melanie Marshall, Andrea Miramontes Serrano, Zhiyuan Zhou, Adam Ziccardi, Fallen Tree Center for a Resilient Future, Christine O'Malley from Historic Ithaca



Barn is setback from the road. It sits on a manicured landscape ie: the fence, the field, the mowed grass, the flag.



Dilapidated barn sits directly to the road, starting to topple down. The road hides it well.



Large front doors, scaled to the size of a vehicle, is an entrance directly from the road.



Large font scales the side of the barn and is big enough to be read by cars that are driving 50-60 mph on the road.



Image Series Above: Barns and the Road

Throughout the research, I would go on "barn drives", the purpose was to stop and take photos of barns that I saw along the way. Most roads were country roads and interstates with speed limits ranging from 30 mph to 55 mph. These drives allowed me to become aware of the barn and its relationship to the road. These are four typologies I encountered often. Photos are in scale to one another.