



TALIESIN ■ MACHINE SHED RECONSTRUCTION PLAN





TALIESIN FOUNDATION REQUEST  
TO ANALYZE THE REMAINS OF THE  
ORIGINAL MACHINE SHED AND  
“PORK ALLEY” AND ITS  
REPURPOSED RECONSTRUCTION  
SERVING THE FOUNDATION  
NEEDS. THE PROPOSAL  
POTENTIALLY WOULD COINCIDE  
WITH THE FUTURE MIDWAY BARN  
REHABILITATION PLAN, OF WHICH  
THE MACHINE SHED IS  
SCHEDULED AS LEVEL ONE, HIGH  
PRIORITY AND INTENDED TO  
PROVIDE AGRICULTURAL  
PROGRAM SUPPORT.



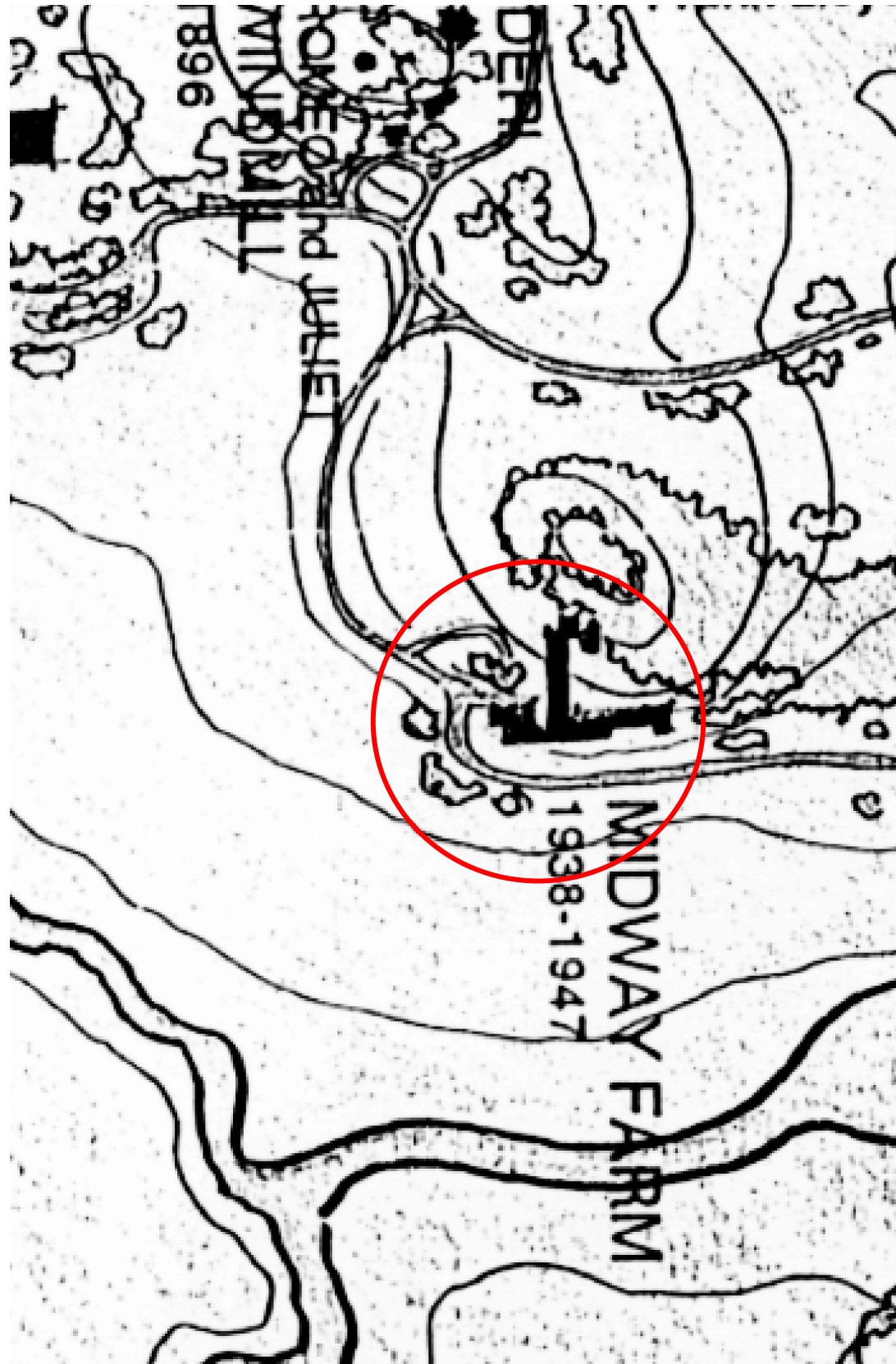
INTRODUCTION  
RESEARCH SUMMARY  
SIGNIFICANCE  
CONDITIONS SURVEY  
VALUES + STRATEGY  
PRESERVATION PHILOSOPHY  
PROGRAM GOALS  
RECONSTRUCTION CONCEPT  
COMPARABLES  
CONCLUSION



# TALIESIN, A CULTURAL LANDSCAPE



MIDWAY BARN AND MACHINE SHED LOCATED AT THE MID-POINT OF THE TALIESIN SITE



WRIGHT FARMING  
PRINCIPALS

EDUCATION  
PHILSOPHY

"OF THE HILL,  
NOT ON THE HILL"

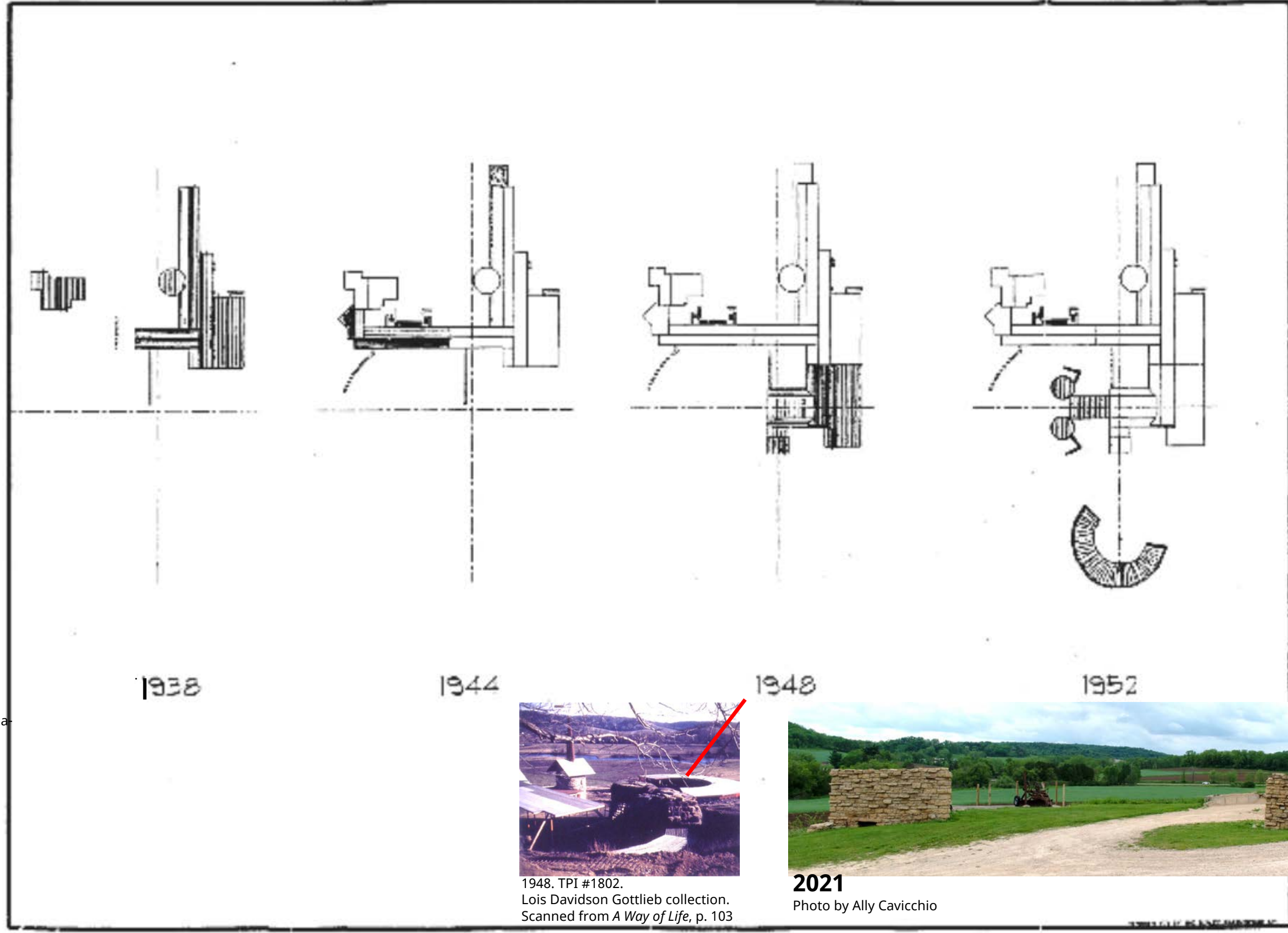
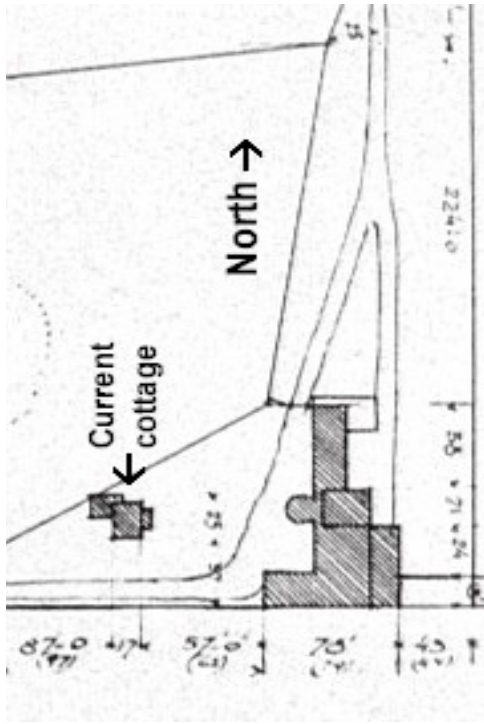
MIDWAY BARN  
"CENTER FOR  
LAND USE"

SELF SUSTAINING



# HISTORY

## TIMELINE MIDWAY BARN



EHS Page	
THE BURLEY PARTNERSHIP	
ARCHITECT: RUDOLPH SCHINDLER	1920-1924
REVISIONS	
NO. 1	DATE
1	11/20/1920
2	11/20/1920
3	11/20/1920
4	11/20/1920
5	11/20/1920
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99	11/20/1920
100	11/20/1920

**1920**  
11/20/1920 drawing by Rudolph Schindler.  
University Art Museum, University of California  
Santa Barbara.



1948. TPI #1802.  
Lois Davidson Gottlieb collection.  
Scanned from *A Way of Life*, p. 103



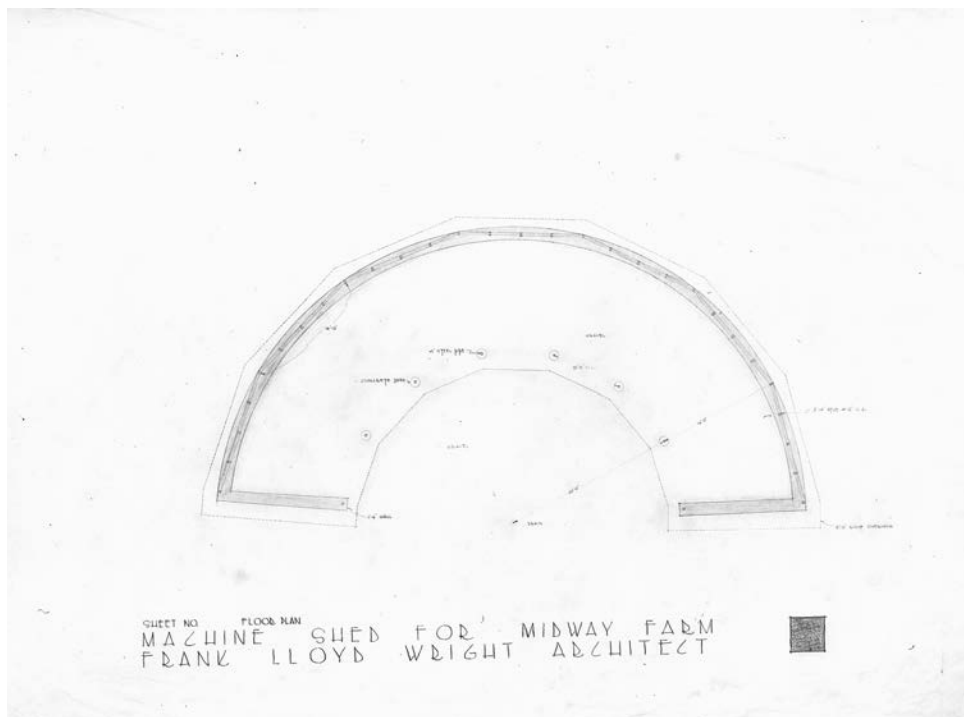
**2021**  
Photo by Ally Cavicchio



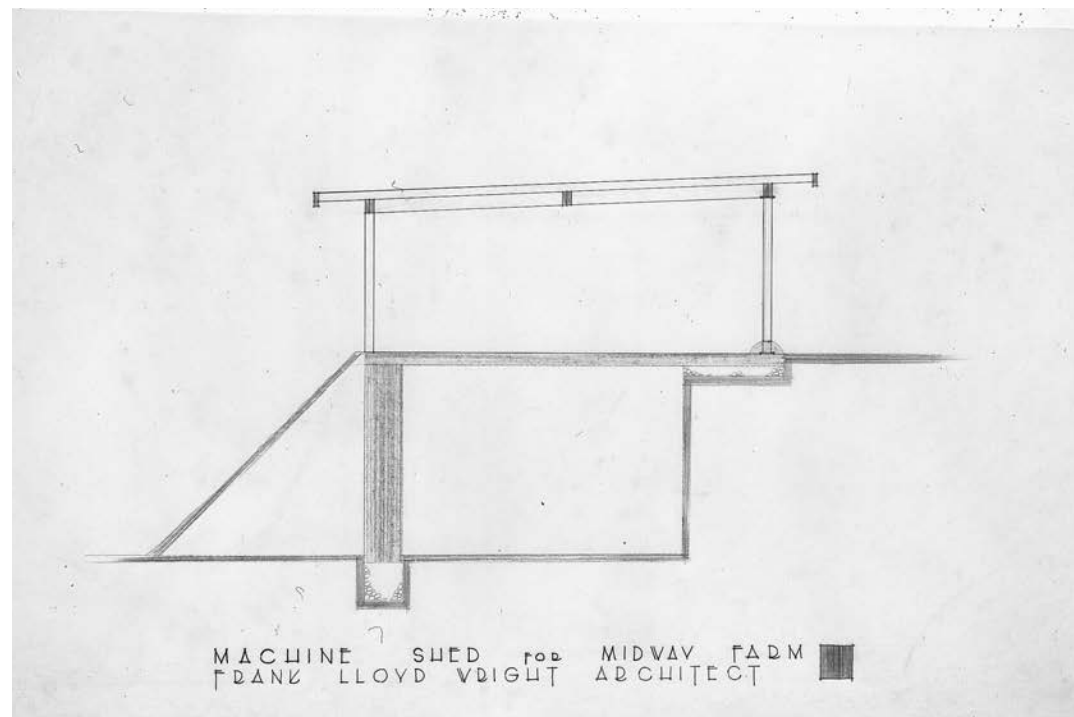


# HISTORY

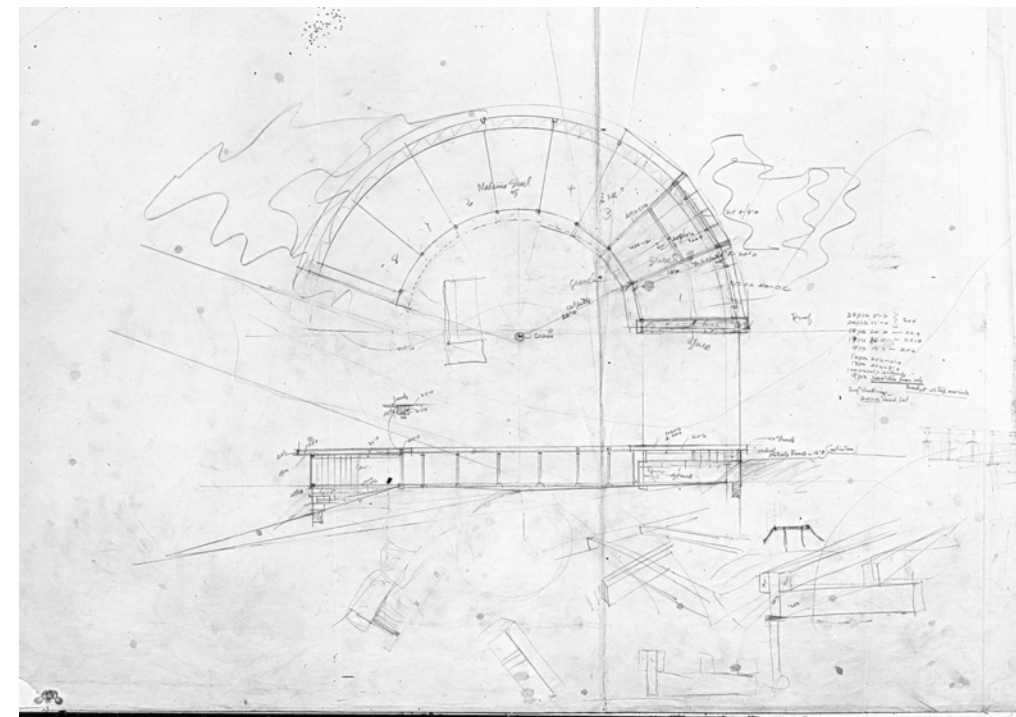
## TIMELINE MACHINE SHED DRAWINGS



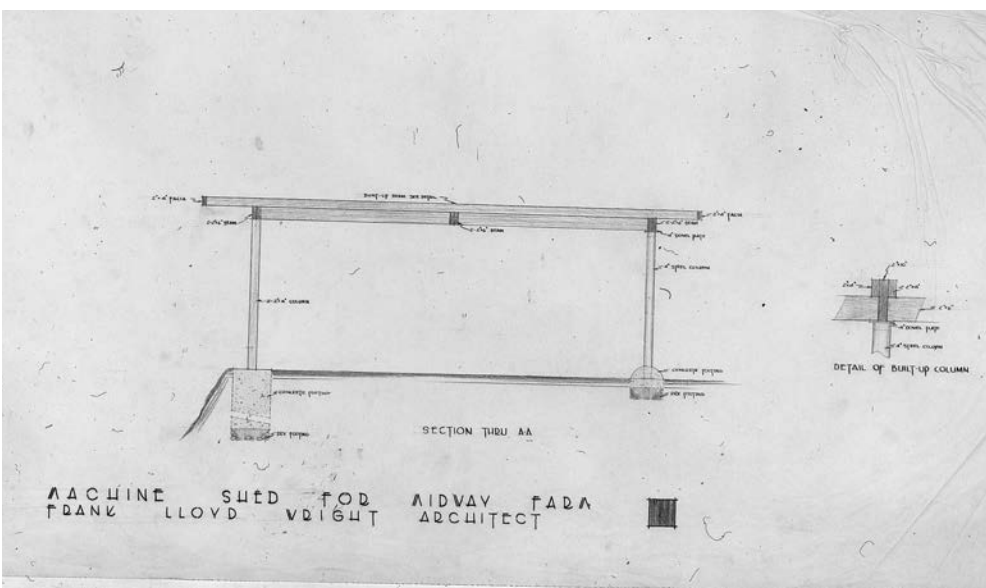
Before 1948, Taliesin Fellowship drawing, 7 modules



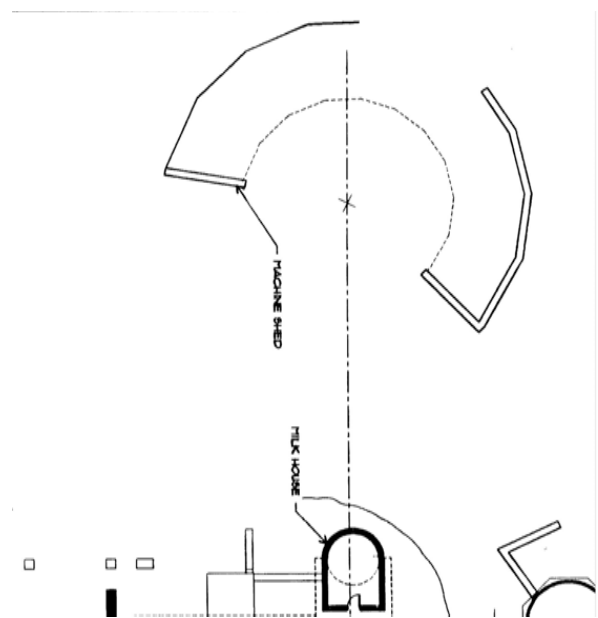
Before 1948, Taliesin Fellowship section drawing at slope



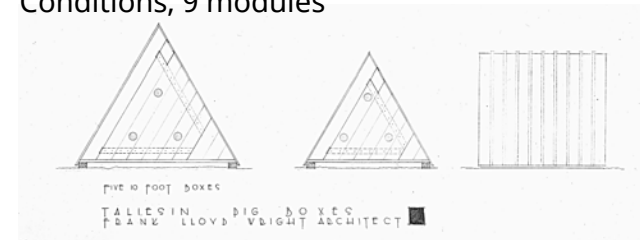
Before 1948, Construction drawing, parts list, and details, 8 modules



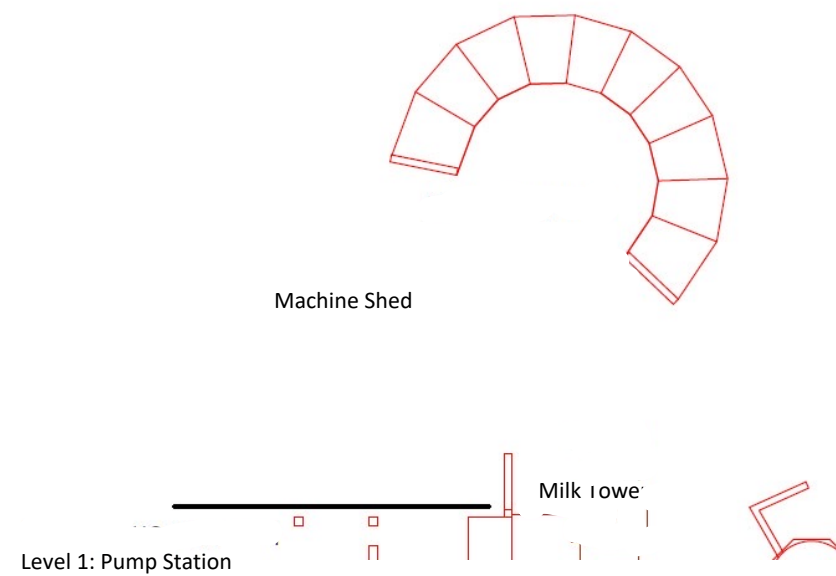
Before 1948, Taliesin Fellowship section drawing



Feb 1994, HSR, The Burley Partnership Architects, Existing Conditions, 9 modules



Before or Post 1948, Pig Boxes Taliesin Fellowship drawing

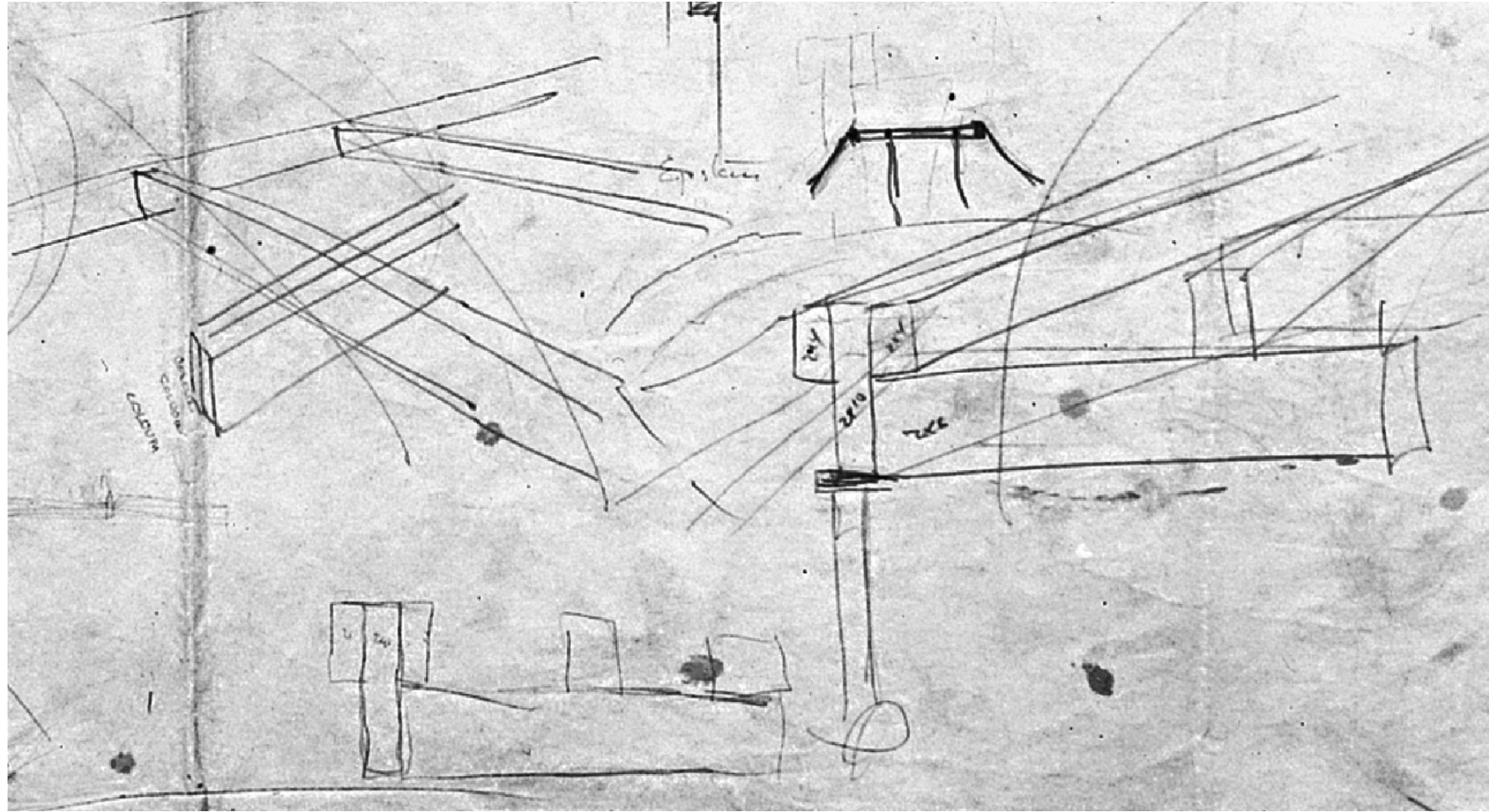


Oct 10 2020, Midway Barn Rehabilitation Plan, FLWF 10 modules

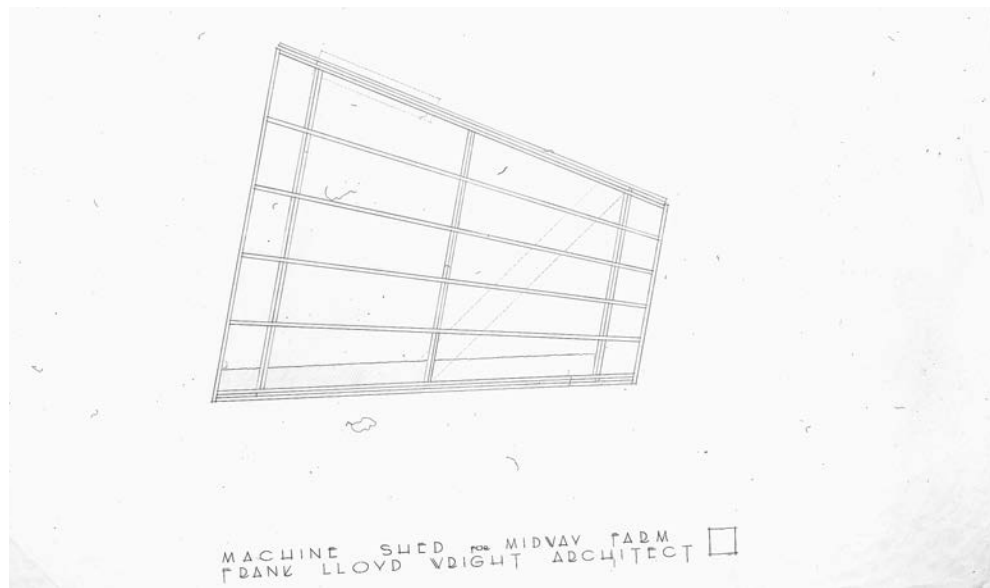


# HISTORY

## TIMELINE MACHINE SHED DETAILS



Enlarged sketch detail framing construction



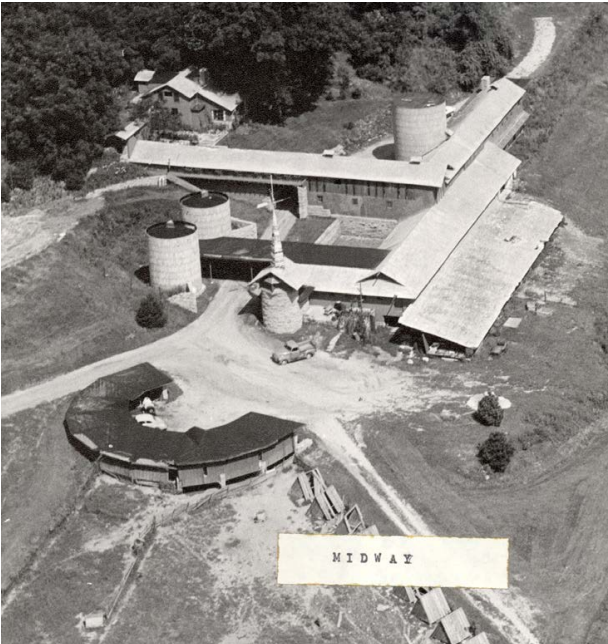
Before 1948, Taliesin Fellowship, module framing drawing



1948 - Machine shed initial construction, looking west  
TPI #1800. Davidson Gottlieb collection



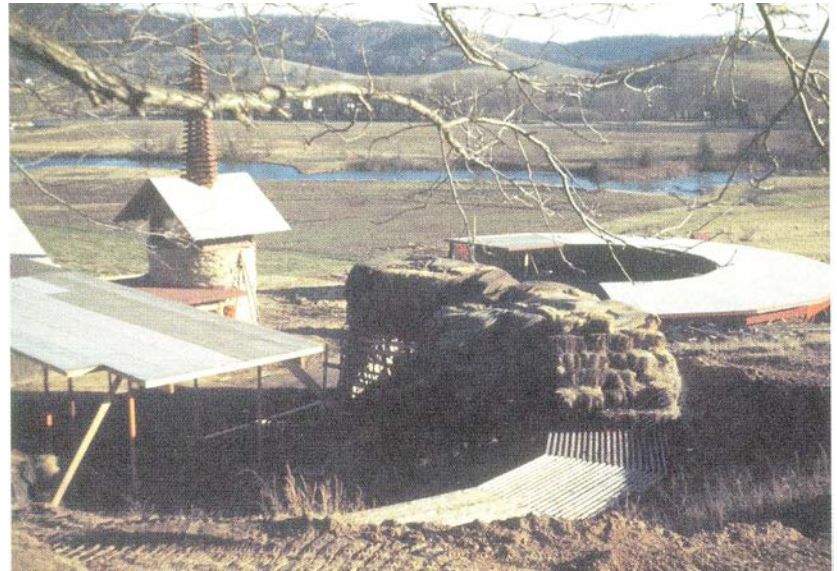
# HISTORY TIMELINE IN PHOTOGRAPHY



**Post 1948**, Aerial Midway Barn with Shed and "Pork Alley"



**1949**, RCB, "Pork Alley"



**Post 1948**, Shed as viewed from silo area, looking southeast TPI #1802. Lois Davidson Gottlieb collection



**Post 1948**, Shed as viewed near silo area



**Post 1948**, Shed and Midway Barn, Ezra Stoller, enlarged photo



**1952**, Shed and Midway Barn approach road, looking north, TPI #1172. Jim Pfefferkorn collection



**Post 1948**, "Pork Alley" in construction, shed beyond, looking west, TPI #1806. Lois Davidson Gottlieb collection



**Post 1948**, Shed with roof modification





# HISTORY

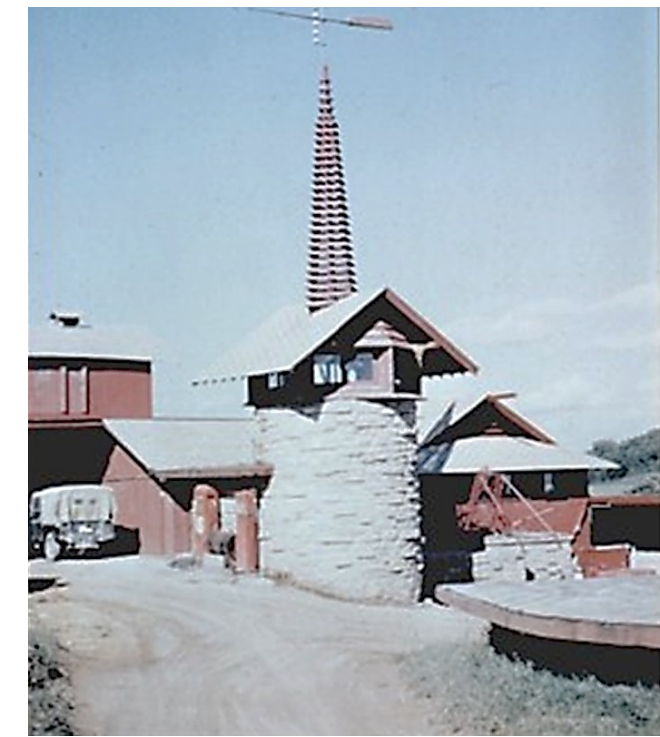
## TIMELINE IN PHOTOGRAPHY, RELATIONSHIP TO THE LANDSCAPE



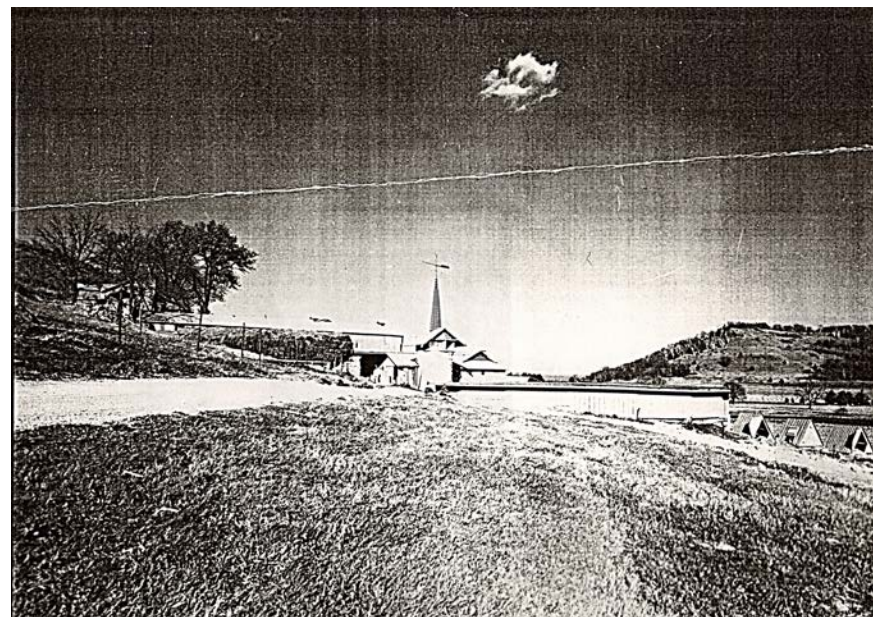
**Post 1948**, Shed, "Pork Alley" and Midway Barn viewed from distance looking east, enlarged photo



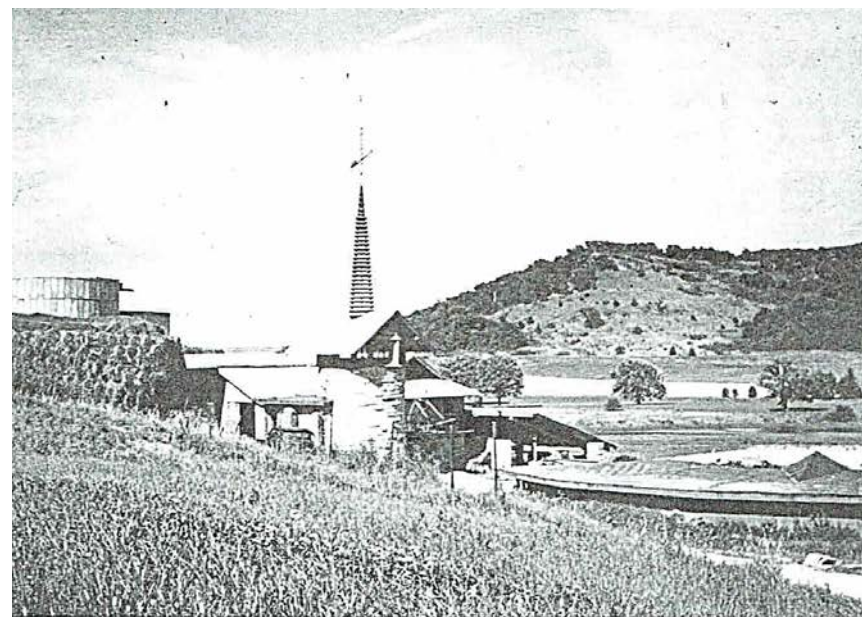
**Post 1948**, Shed, "Pork Alley" and Midway Barn viewed from distance looking east, enlarged photo



**1952**, TPI #1159. Jim Pfefferkorn collection. Looking northeast, cropped



**Post 1948**, Shed, "Pork Alley" and Midway Barn viewed from approach road looking north



**Post 1948**, Shed and Midway Barn looking northeast

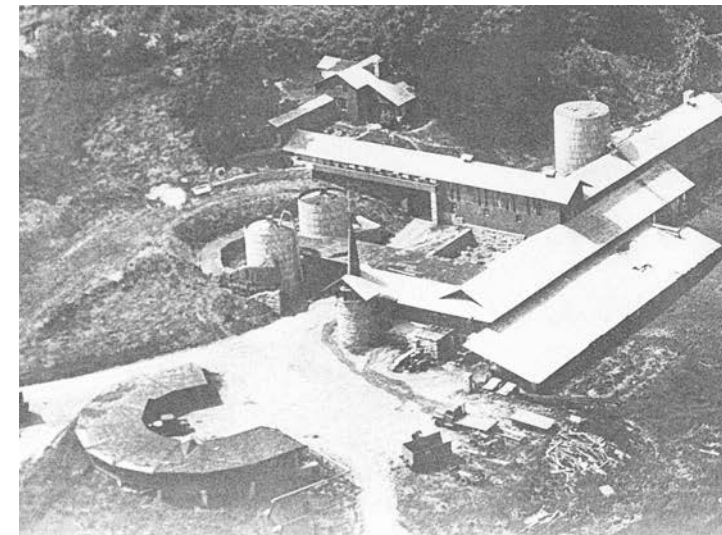
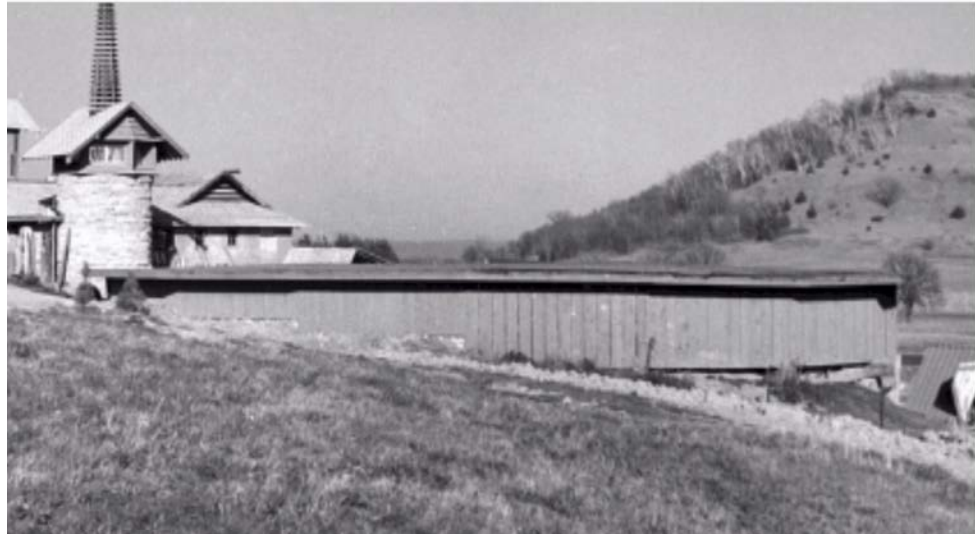


**Post 1948**, Shed viewed from above facing east





SIGNIFICANCE  
CHARACTER DEFINING ELEMENTS



SCALE IN LANDSCAPE,  
LOCATION TO BARN,  
MATCHES SLOPE OF THE  
HILL

ORGANIC ARCHITECTURE  
APPLIED TO AGRARIAN  
UTILITARIAN BUILDING

CONSTRUCTION AND  
DETAILED STRUCTURE



FORM AND FUNCTION ARE  
ONE

NATURAL MATERIALS,  
STONE, GRAVEL, WOOD,  
STEEL

WRIGHT'S USE OF  
HEMICYCLES IN DESIGN

RADIATES FROM THE  
SPRING POINTS CENTERED  
ON THE AXES OF THE  
MILKING BARN FORM



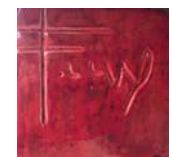
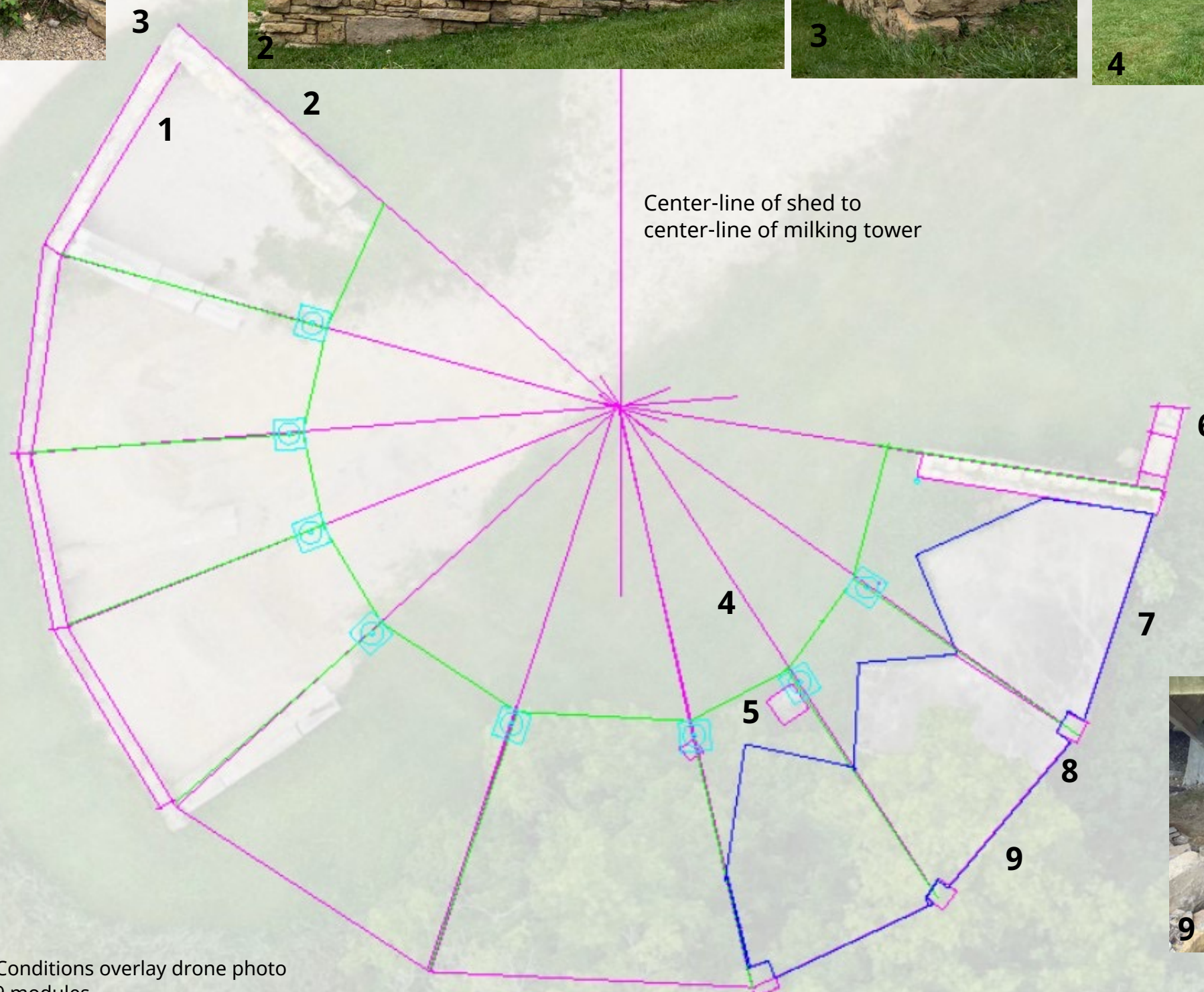
## CONDITIONS SURVEY

THE MACHINE SHED WAS REMOVED IN 1986 (CONFIRMED BY FLOYD HAMIL, WHO ARRIVED AT TALIESIN IN 1897 AND STATED THE SHED WAS REMOVED THE YEAR EARLIER). THE TWO EXISTING SECTIONS OF THE SANDSTONE WALLS FACING THE BARN REMAIN AS WELL AS THREE PARTIAL SANDSTONE SECTIONS THAT TAPER OFF TO GRADE. THE EXISTING SANDSTONE APPEARS TO HAVE BEEN COARSELY-POINTED AT THE STONE JOINTS AND THE OUTWARD FACE HAS BEEN POINTED WITH WHAT APPEARS TO BE CEMENT MORTAR. THERE APPEARS TO BE CONSISTENT WEATHERING AND DETERIORATION OF THE STONE AS OPPOSED TO THE CEMENT MORTAR. THREE ELEVATED CONCRETE SLAB SECTIONS PROJECTING ABOVE THE SLOPING GRADE REMAINS BUT ARE IN POOR CONDITION AND SUPPORTED BY THREE CONCRETE PIERS. THE BASE SUPPORTS ARE CRACKED AND FALLING IN. ONE COLUMN REMAINS IN PLACE ALONG WITH TWO PARTIAL COLUMN FOOTING PADS.



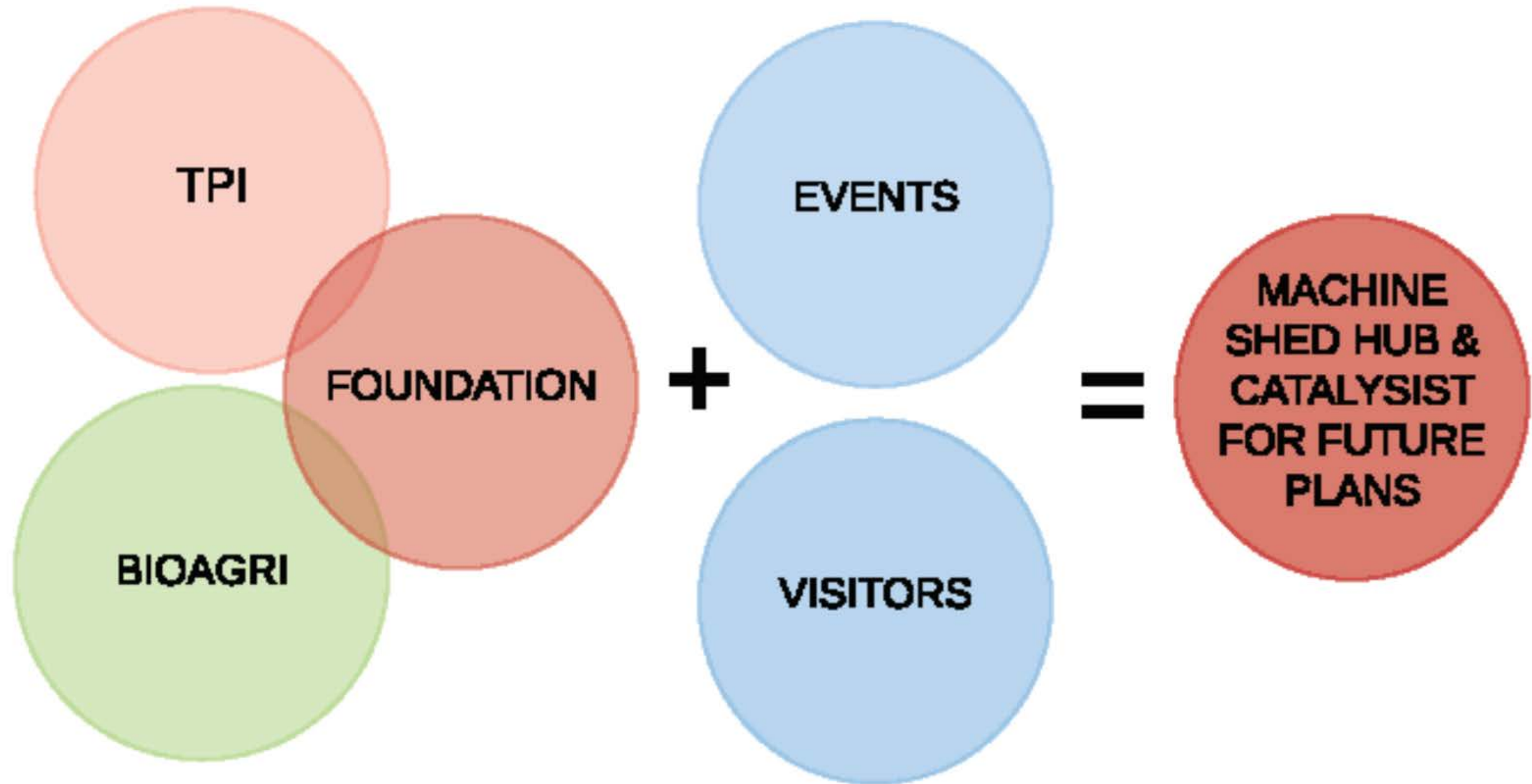


# CONDITIONS SURVEY





# CONNECTIONS



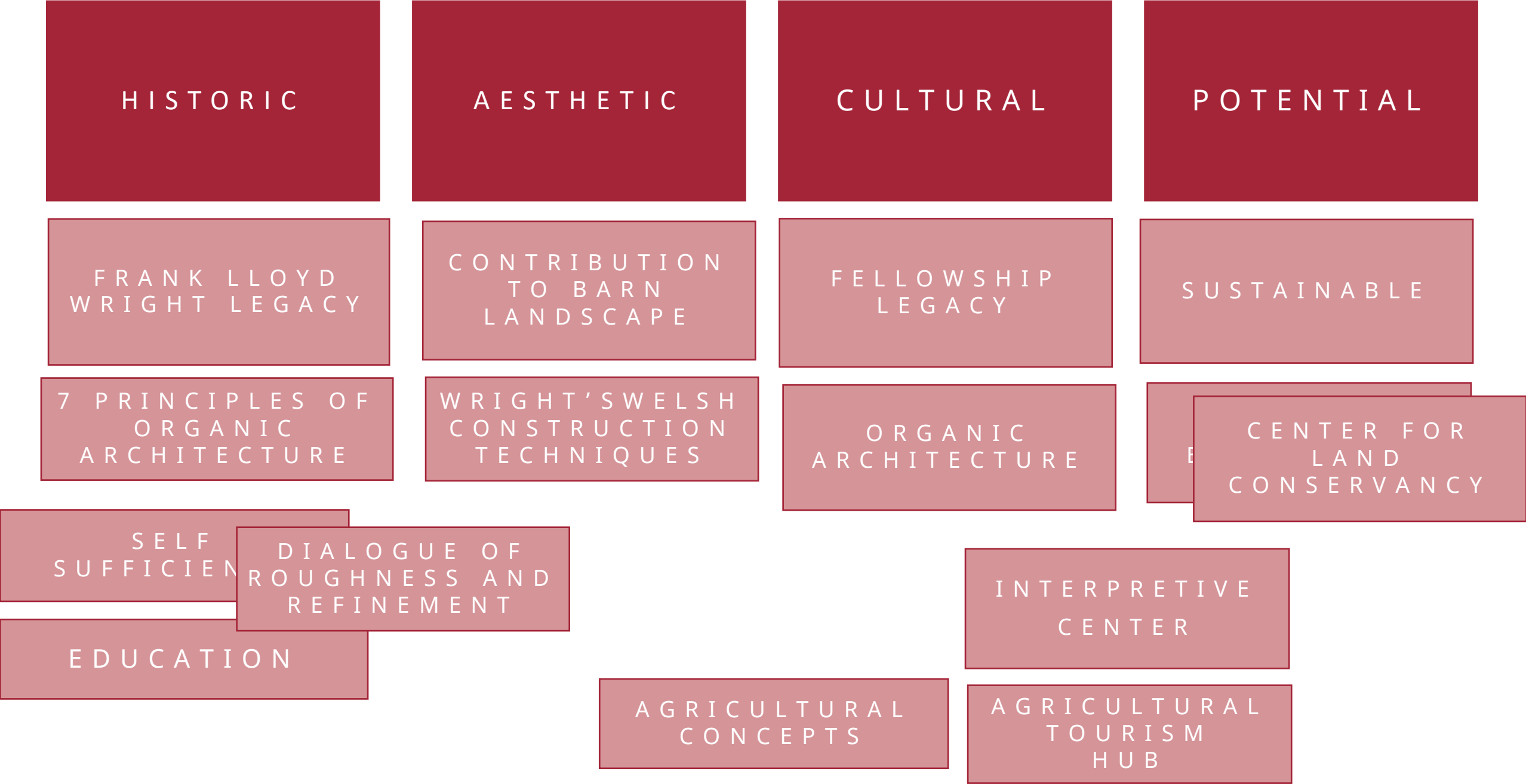
## STAKEHOLDERS:

FLW FOUNDATION-CLIENT  
FLW FOUNDATION PUBLIC ENGAGEMENT  
TALIESIN PRESERVATION INCORPORATED-TOURS  
WISCONSIN STATE HISTORIC SOCIETY  
SECRETARY OF INTERIORS STANDARDS FOR RECONSTRUCTION, NPS,  
CONSERVATION ORGANIZATION





PRESERVATION PHILOSOPHY  
VALUES

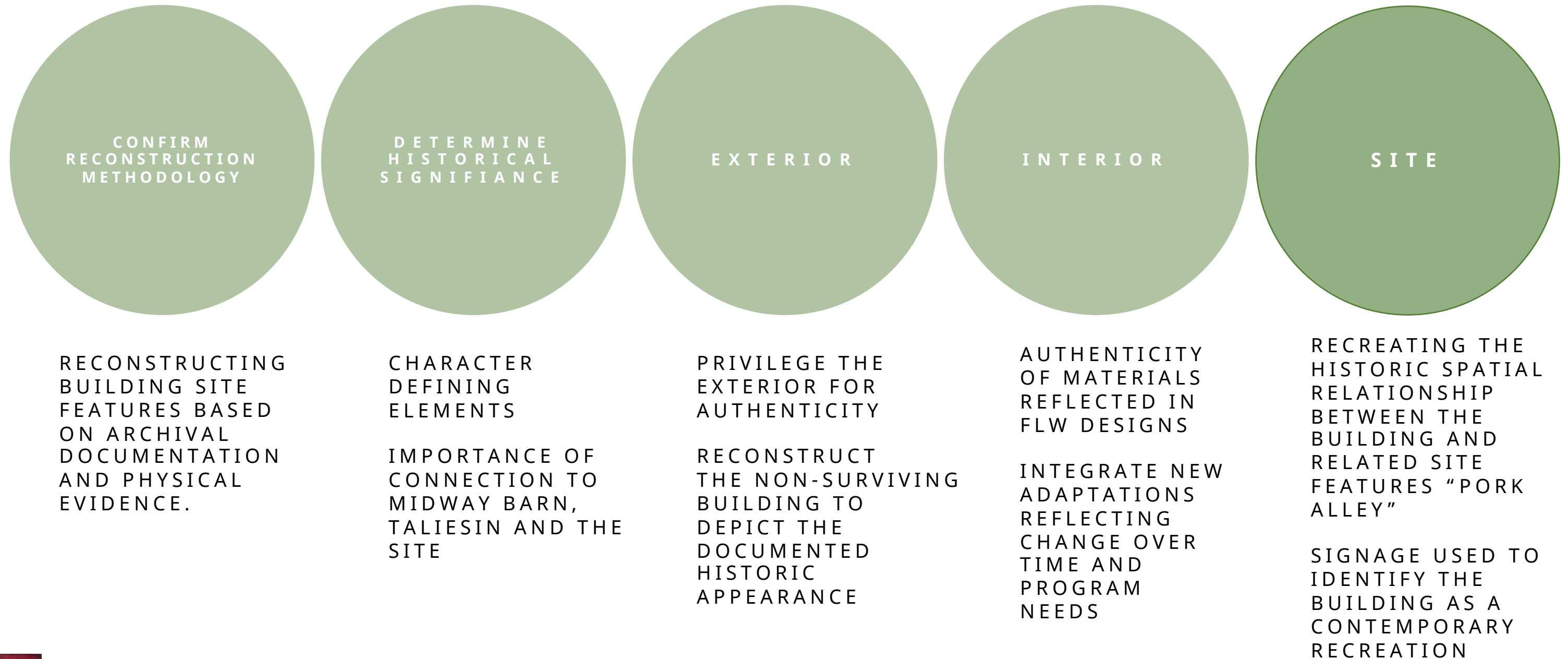




# PRESERVATION PHILOSOPHY STRATEGIES FOR RECONSTRUCTION

## INCORPORATE THE SECRETARY OF INTERIORS STANDARDS FOR RECONSTRUCTION

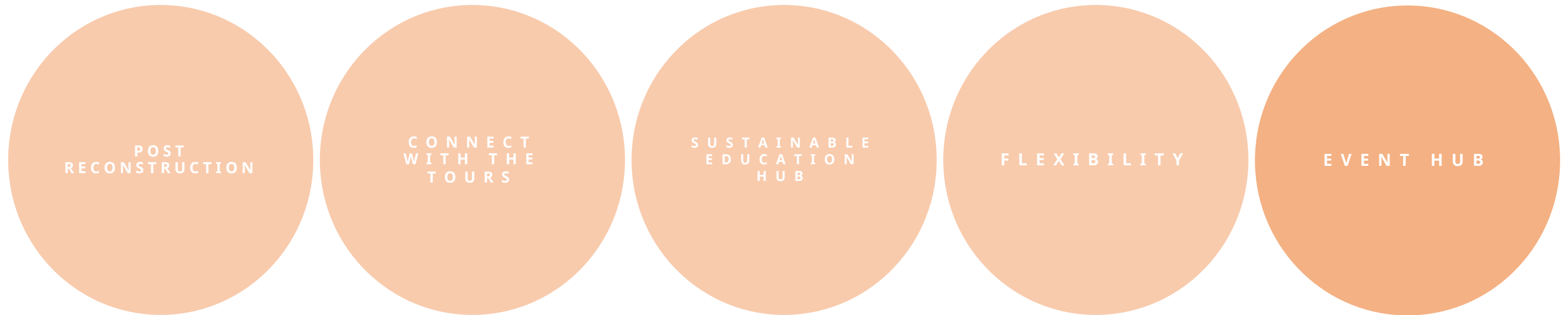
- DOCUMENT EXISTING REMAINING ORIGINAL HISTORIC STRUCTURE
- RESEARCH HISTORY RECOGNIZE MULTIPLE HISTORIES
- AID IN DEVELOPING RECONSTRUCTION CONCEPT PLANS
- OUTLINE FEASIBLE RECONSTRUCTION PLAN AND ENGAGE CONSULTANTS AS REQUIRED





# PROGRAM GOALS REQUIREMENTS

- AID IN IMAGINING THE FUTURE FOR SHORT-, MID- AND LONG-TERM NEEDS OF THE FOUNDATION
- HELP DEVELOP CONCEPTS FOR HOW TO OCCUPY THIS SPACE OF CHANGE
- PRIVILEGE THE EXTERIOR FOR AUTHENTICITY
- ALIGN WITH THE FUTURE MIDWAY BARN REHABILITATION PLAN AND LEVEL 1, HIGH PRIORITY



OFFER  
ADDITIONAL  
TOURS,  
VISITOR  
AMENITIES

PROMOTE  
FUTURE  
MIDWAY  
DEVELOPMENT  
PLANS FOR  
FUNDRAISING

AGRICULTURAL  
TOURISM,  
PUBLIC  
EDUCATION  
ALL SEASON  
OPERATION

FLEX SPACE  
FOR  
AGRICULTURAL  
LEARNING  
CENTER AND  
FARMERS  
MARKETS

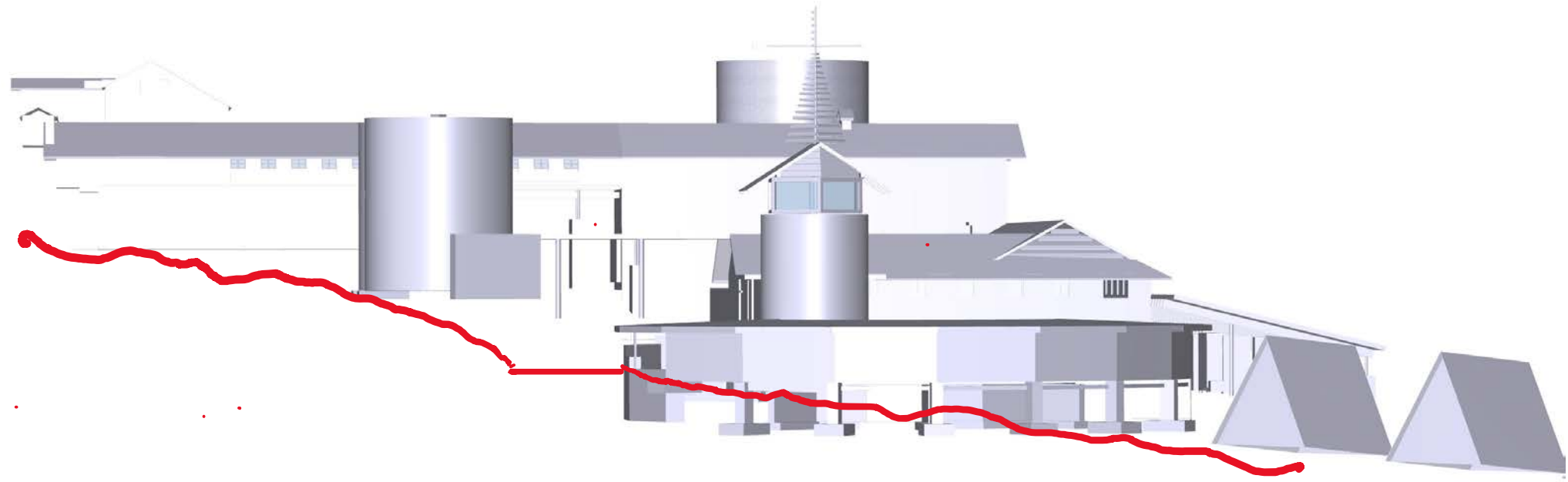
SERVE AS HUB FOR  
SITE EVENTS, FARM  
DINNERS, AUTO  
SELF GUIDED  
TOURS, SITE  
PRESERVATION  
TOURS,  
AGRICULTURAL  
TOURS, LANDSCAPE  
FOCUS TOURS,  
LAND CONSERVANCY  
TOURS



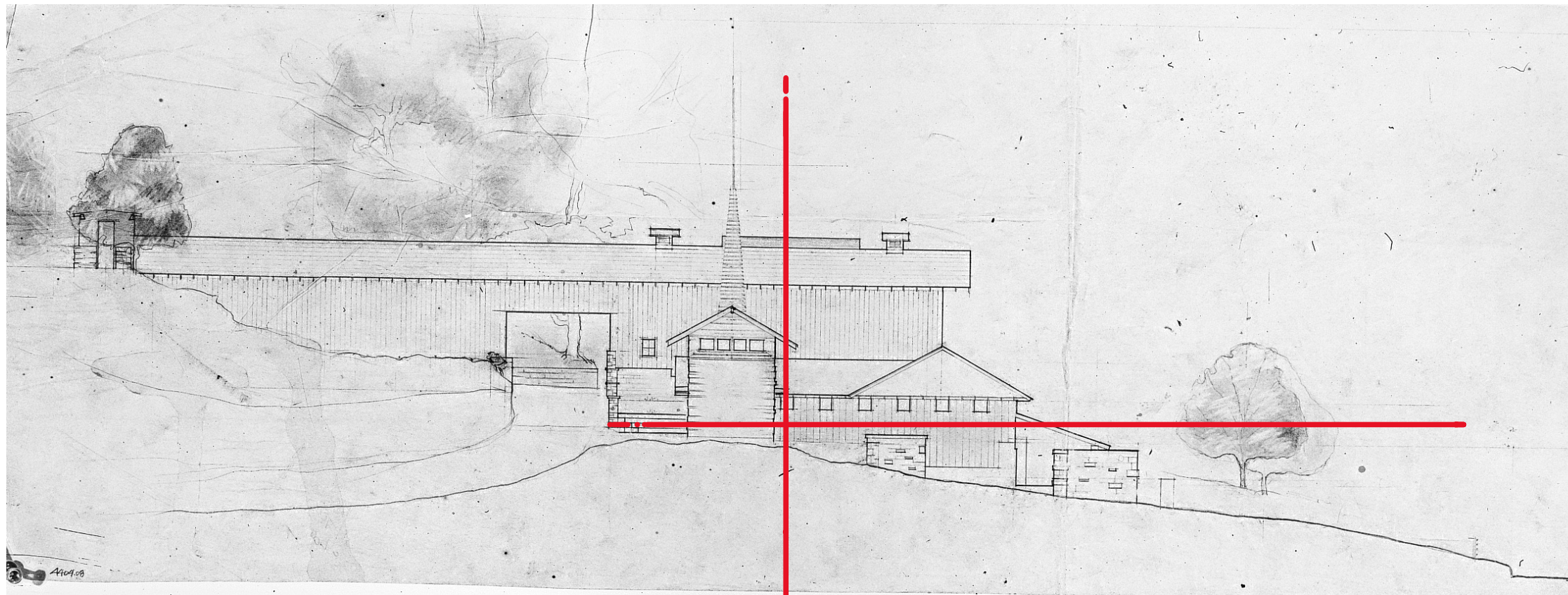
# RELATIONSHIP TO MIDWAY BARN



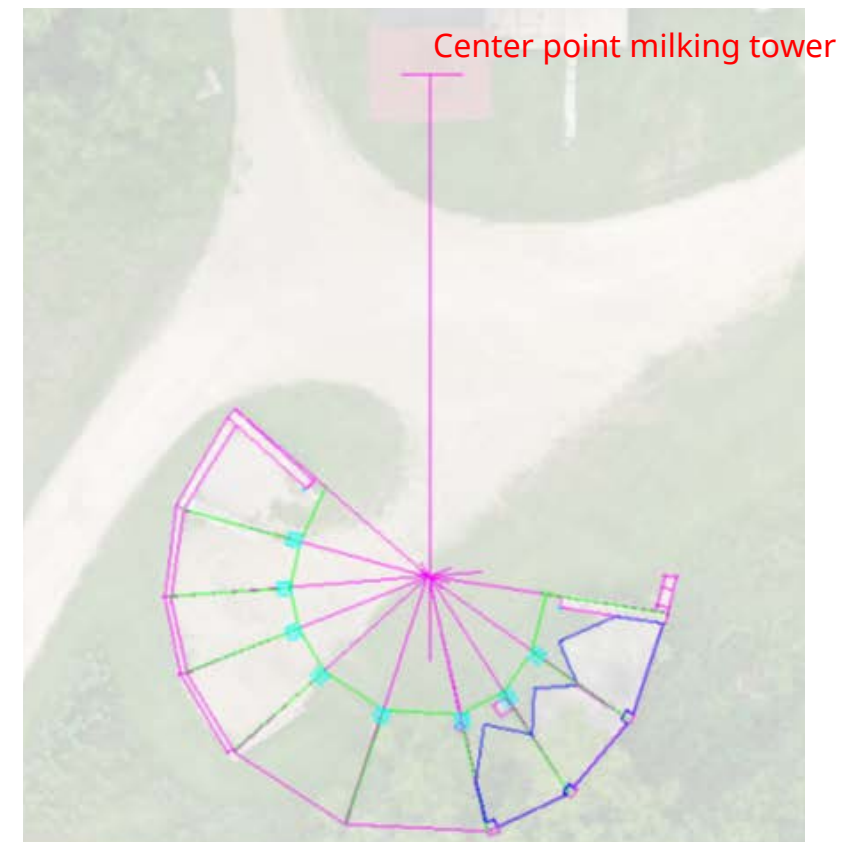
Post 1948, Shed and Midway Barn approach road



visualization model by Xiaoran Zhang, 2021



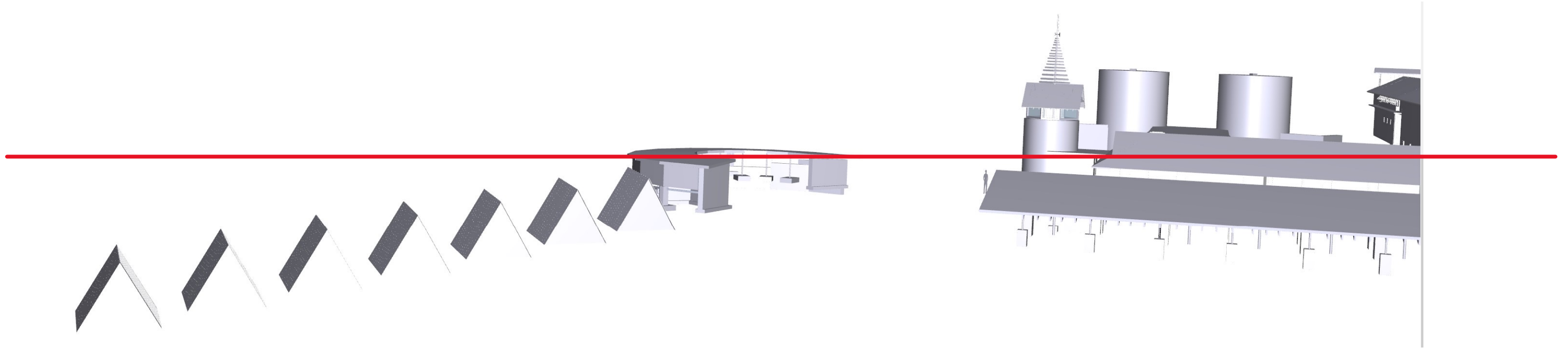
Before 1948, Taliesin Fellowship elevation drawing



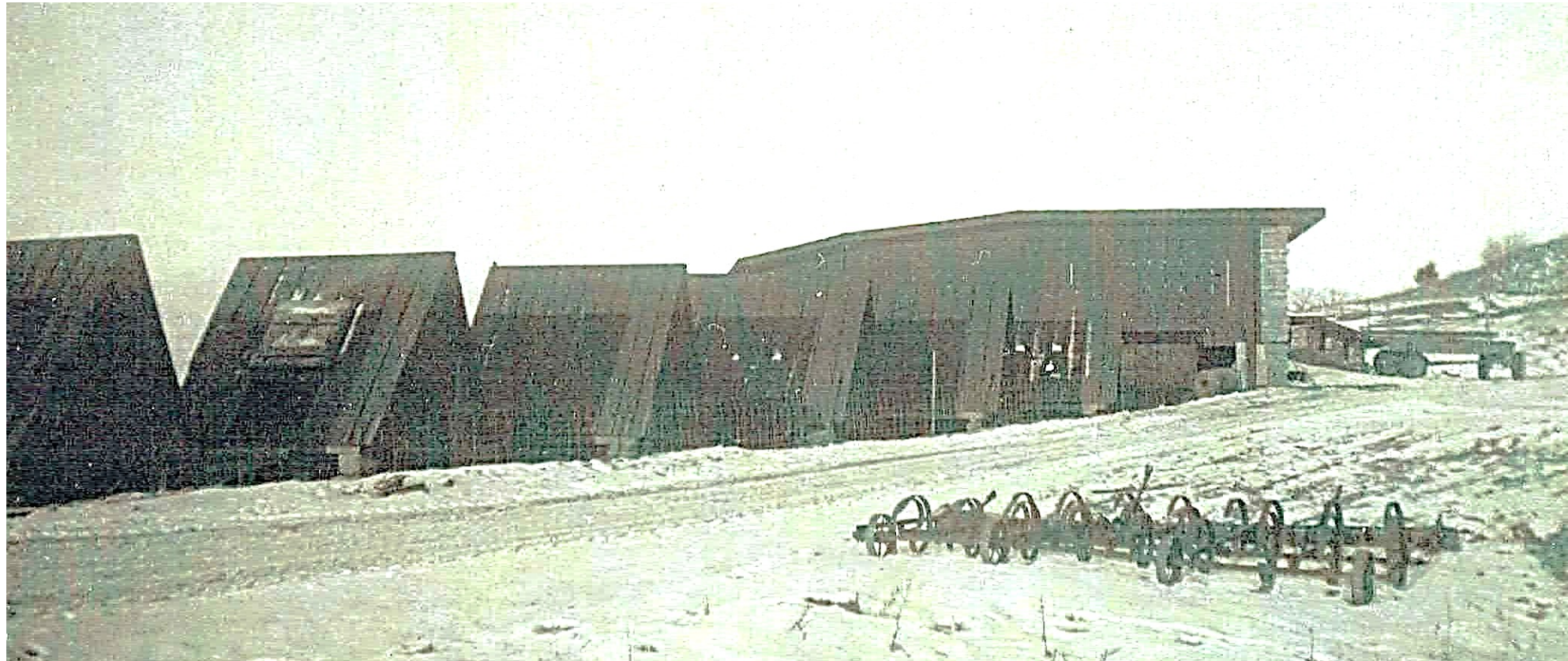
2021, CAD overlay of 2020 drone photo, drawn by M Kolb



# RELATIONSHIP TO MIDWAY BARN



View looking south approach road, visualization model by Xiaoran Zhang, 2021

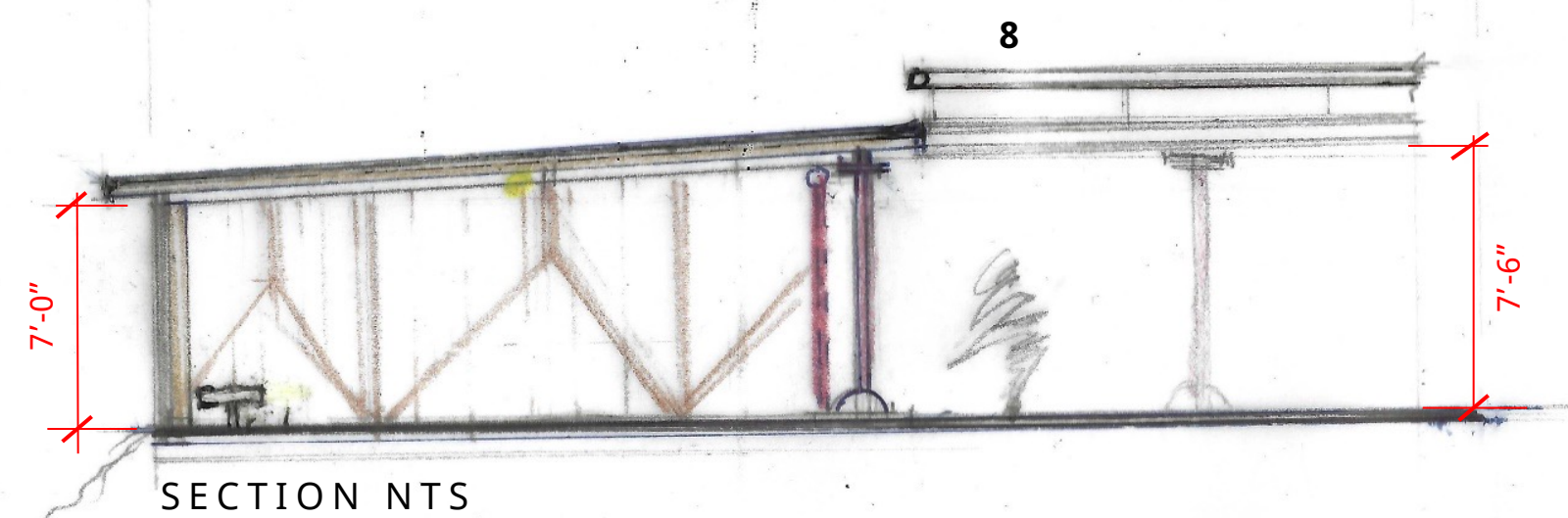
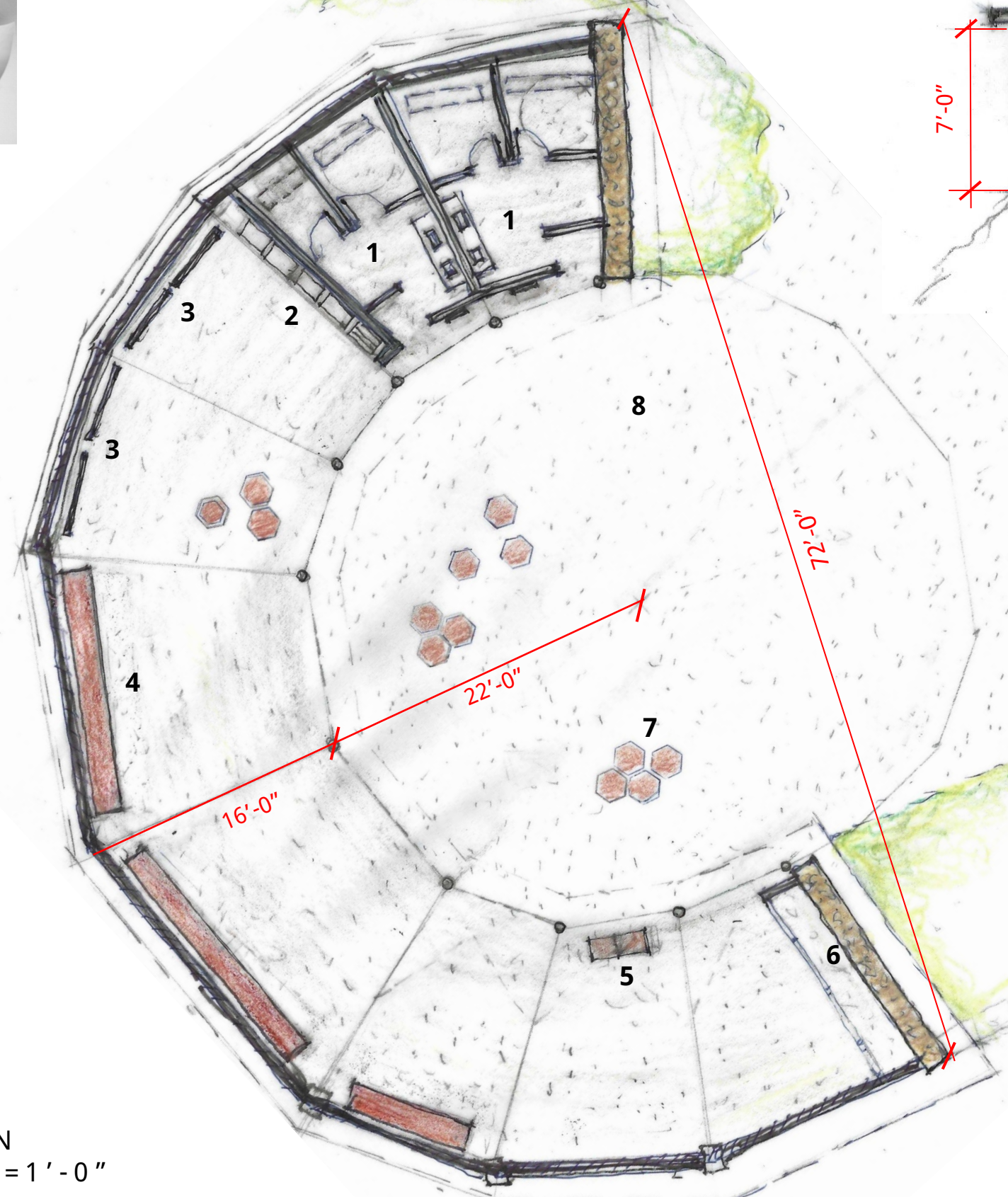
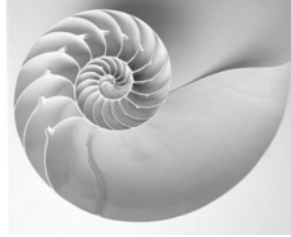


View looking south approach road, Photo by RCB 1949, TP #3625, cropped





RECONSTRUCTION  
DESIGN CONCEPT



KEY

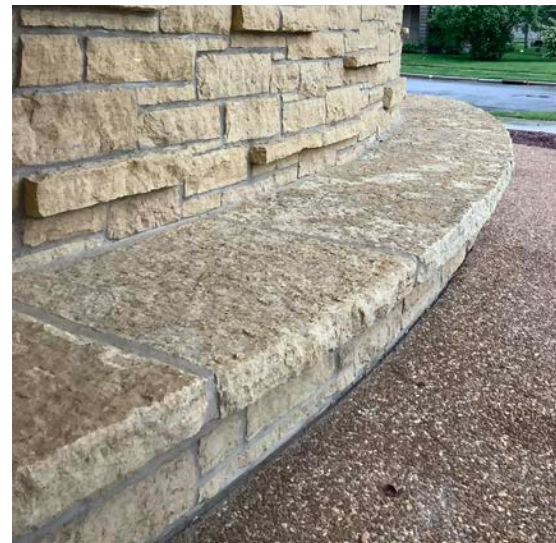
- 1 BATHROOM HC (158 SQ FT)
- 2 VENDING
- 3 INTERPRETIVE SIGNAGE
- 4 SEATING FLEXIBLE
- 5 SERVICE COUNTERS FLEXIBLE
- 6 STORAGE
- 7 SEATING MOVEABLE
- 8 TENSILE MEMBER CEILING

SQ FT: 1,100  
CAPACITY: 7 P PER SQ FT = 158 P

PLAN  
1/8" = 1'-0"

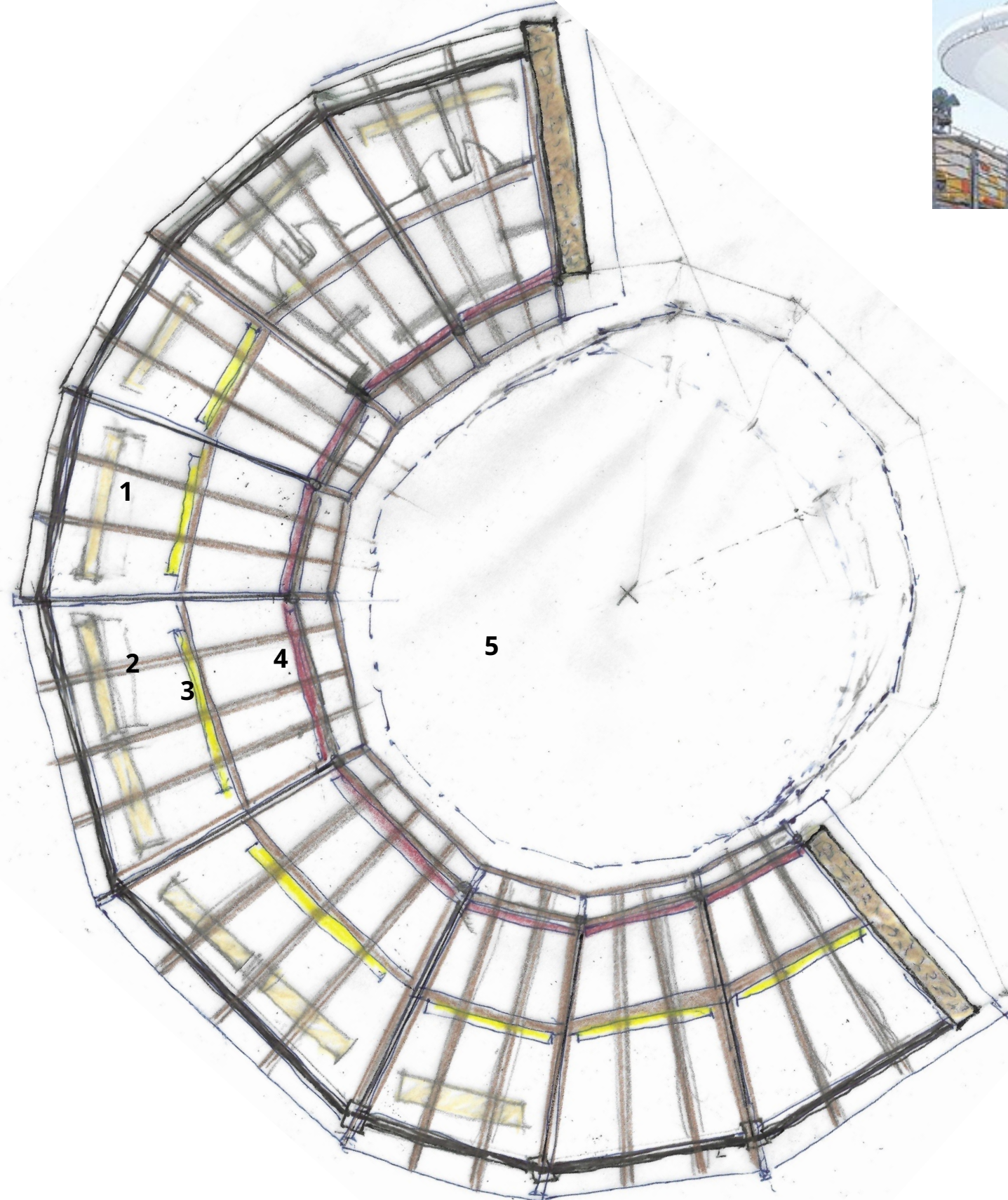
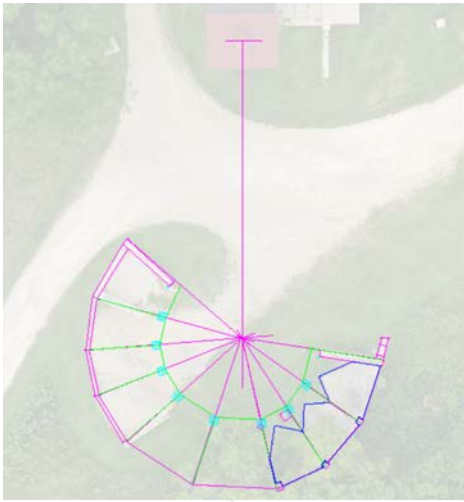
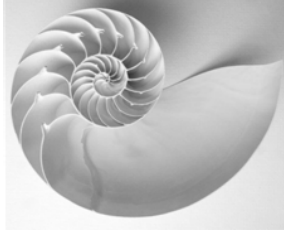


RECONSTRUCTION  
DESIGN CONCEPT



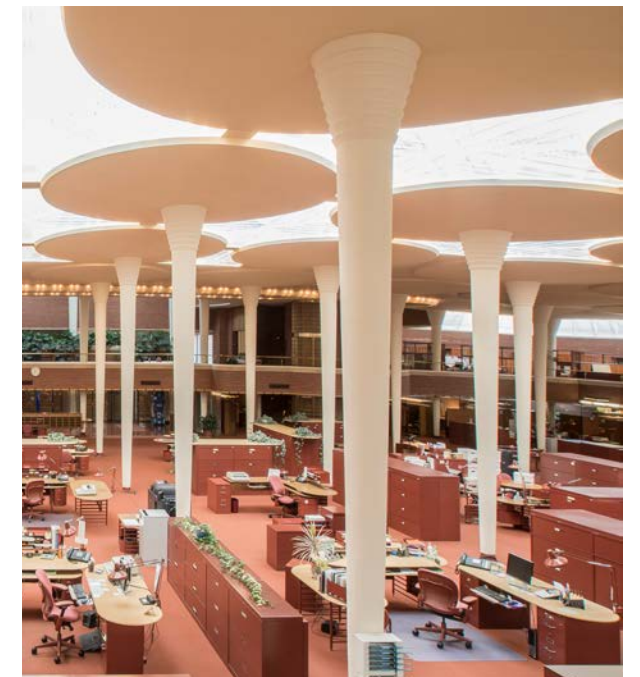
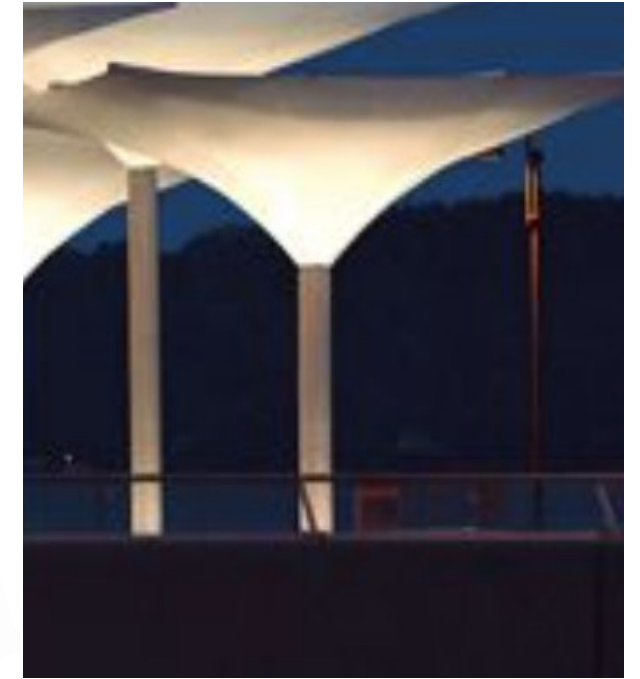
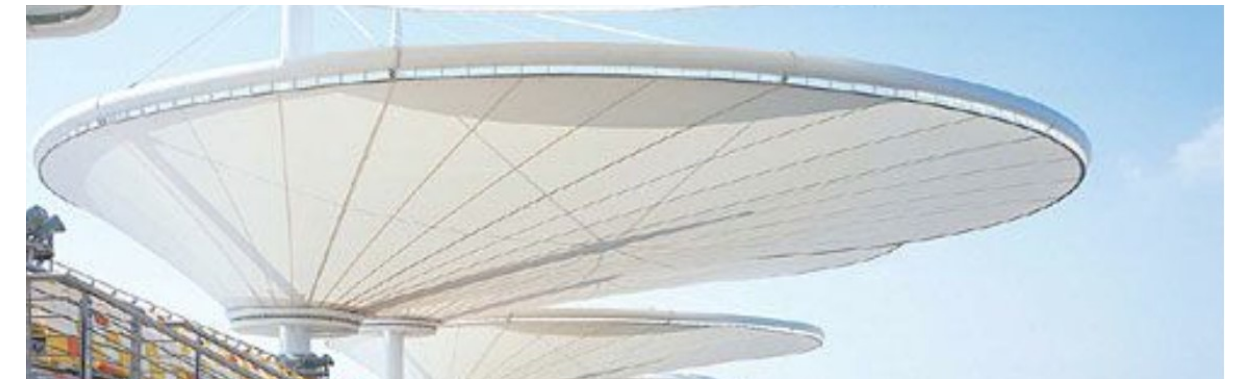


# RECONSTRUCTION DESIGN CONCEPTS



## KEY

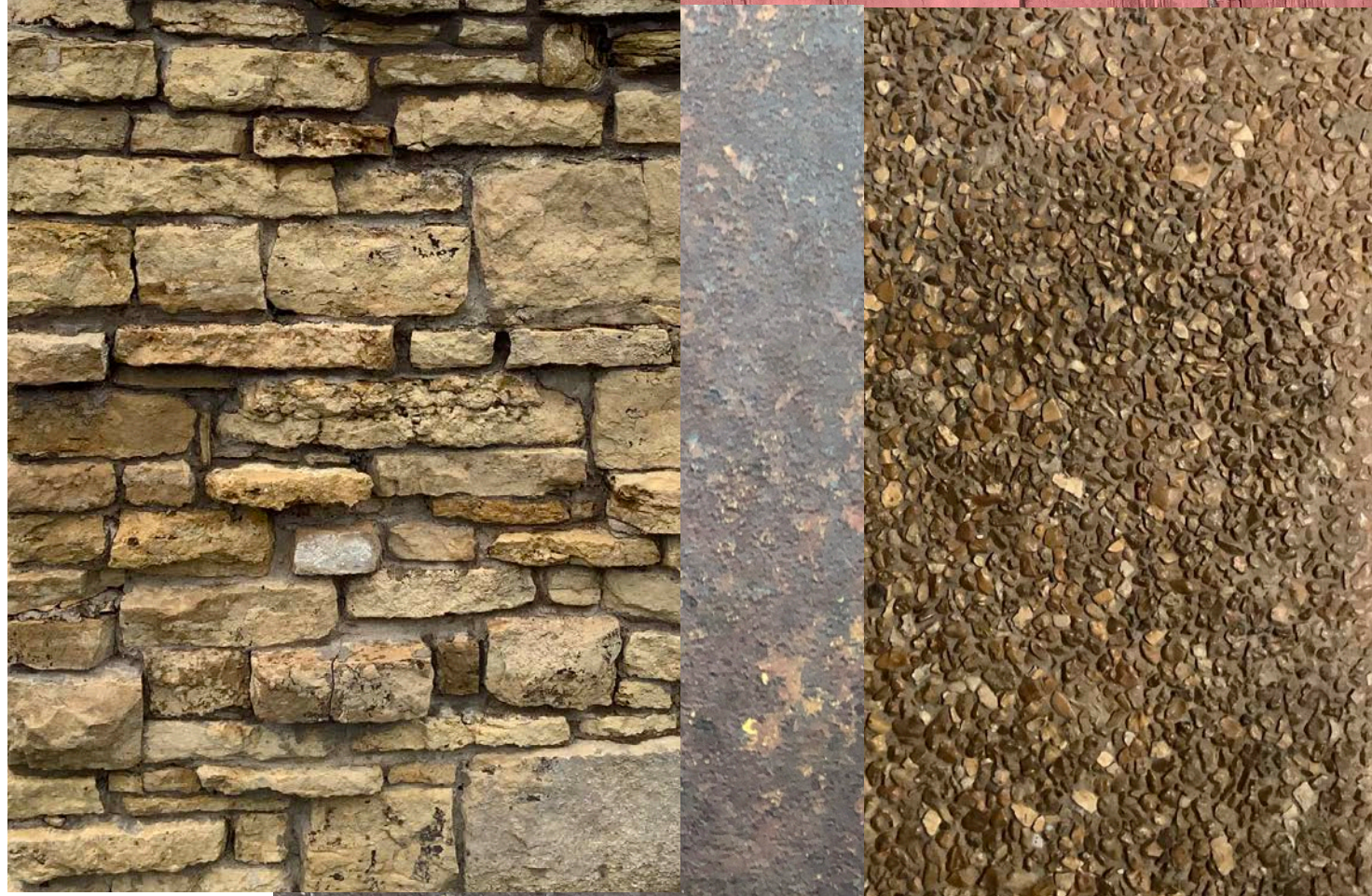
- 1 SKYLIGHTS OR STRIP LIGHTS
- 2 FRAMING 2X4
- 3 STRIP LIGHTS
- 4 ROLLER BARN
- 5 ENCLOSURE WALLS  
TENSILE STRUCTURE  
CEILING



REFLECTED CEILING PLAN  
1/8" = 1'-0"

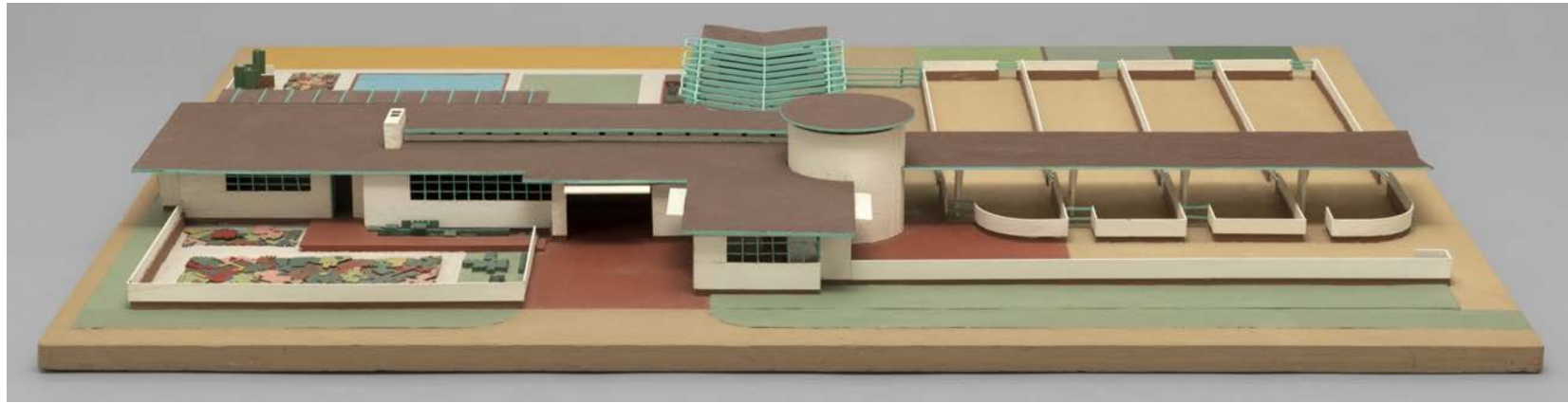


RECONSTRUCTION  
MATERIALS AND DETAILS





COMPARABLES



FRANK LLOYD WRIGHT DAVIDSON LITTLE FARMS UNIT PROJECT (MODEL) 1932 1933



FLORIDA SOUTHERN COLLEGE VISITOR'S CENTER  
FLW ORIGINAL DESIGN



LOS POBLANOS, N.M.  
HISTORIC INN AND ORGANIC FARM  
DESIGNED 1932 BY JOHN GAW MEEM, RESTORATION BY MOULE & POLYZOIDES, ASO ARCHITECTS



SHELBURNE FARM, VT  
FARM LEARNING FOR A SUSTAINABLE FUTURE  
1,400 ACRE WORKING FARM, FOREST AND NATIONAL LANDMARK



# CONCLUSION



Frank Lloyd Wright on his farm//www.loc.gov/exhibits/flw/images/dfarm1.jpg



Farm dinner Fundraiser, Photo 2020 Effie

“ ALL ARCHITECTURE , WORTHY OF THE NAME WILL , HENCE  
FORWARD , MORE AND MORE BE ORGANIC . ARCHITECTURE WILL BE  
NATIVE GROWTH IN ACCORD WITH NATURAL FEELING AND INDUSTRIAL  
MEANS TO SERVE WITH ART- ACTURAL NEEDS ” .

FRANK LLOYD WRIGHT

EXCERPTS FROM “ THE SOVEREIGNTY OF THE INDIVIDUAL ” , 1951





## WORKS CITED

*Kinchin, Juliet. "Little Farms Unit: Nature, Ecology, and Community." In Frank Lloyd Wright: Unpacking the Archive. New York, New York: The Museum of Modern Art, 2017.*

Leatherbarrow, David, and Richard Wesley. *Three Cultural Ecologies*. London ; New York: Routledge, Taylor & Francis Group, 2018.

*Frank Lloyd Wright: Preservation, Design, and Adding to Iconic Buildings*. Edited by Richard Longstreth. Charlottesville, VA: University of Virginia Press, 2014.

*Historic Inn & Organic Farm | Los Poblanos, lospoblanos.com/.*

"Shelburne Farms: Educating for a Sustainable Future." *Shelburne Farms | Educating for a Sustainable Future, shelburnefarms.org/.*

"Little Farms Unit - BCV Architecture + Interiors." *Home - BCV Architecture + Interiors, www.bcvarch.com/about-us/blog-all/blog-community/little-farms-unit/.*

### Preservation

Murphy, Keiran. "A brief history of Midway Barns". DOCX file. Sept. 7-14. Provided by Taliesin Preservation Inc. (TPI).

National Park Service. *The Secretary of the Interior's Standards for Rehabilitation & Illustrated Guidelines on Sustainability for Rehabilitating Historic Buildings*, by Anne E., Jo Ellen Hensley, Liz Petrella, Audrey T. Tepper Grimmer.

Taliesin Preservation, Inc. "Midway Barn Rehabilitation Plan," October 20, 2020.

White, Jay. "Midway Farm Frank Lloyd Wright's "Taliesin" Spring Green, Wisconsin: Historic Structures Report". PDF file. May 1994. Provided by Taliesin Preservation Inc. (TPI).

Wyatt, Barbara. "Taliesin Historic Landscape Report (THLR)" PDF file. 1999. Provided by Taliesin Preservation Inc. (TPI).