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 PHILOSOPHY

"OF THE HILL, NOT ON THE HILL"

MIDWAY BARN "CENTER FOR LAND USE"

SELF SUSTAINING
1920

1948

2021
Photo by Ally Cavicchio.

HISTORY
T IMELINE M ACHINE S HED D RAWINGS

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

Before 1948, Taliesin Fellowship drawing, 7 modules
HISTORY
TIMELINE MACHINE SHED DETAILS

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

Before 1948, Taliesin Fellowship, module framing drawing

Enlarged sketch detail framing construction
HISTORY
TIMELINE IN PHOTOGRAPHY

Post 1948, Arial 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

2021, Existing Conditions overlay drone photo
2020, UPenn, 9 modules

Center-line of shed to center-line of milking tower
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

Potential Cultural Historic

Aesthetic

Welsh Legacy

Frank Lloyd Wright

Contribution Landcape

To Barn

Architectural Techniques

Conservancy Center for Land

Sustainable Center for Interpretive

Agricultural Tourism

Agricultural AgriCultural

Hub Educational/refinement and Self-Sufficiency

Dialogue of Roughness and Refinement

7 Principles of Organic Wright's Welsh Construction Techniques

Organic Architecture

Taliesin Machine Shed Reconstruction, Spring Green, Wisconsin + University of Pennsylvania Historic Preservation

Michele Kolb MSDHP June 7, 2021
Incorporate the Secretary of Interior's 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

Confirm reconstruction methodology

Character defining elements

Importance of connection to Midway Barn, Taliesin and the site

Privilege the exterior for authenticity

Reconstruct the non-surviving building to depict the documented historic appearance

Authenticity of materials reflected in FLW designs

Integrate new adaptations reflecting change over time and program needs

Recreating the historic spatial relationship between the building and related site features “Pork Alley”

Signage used to identify the building as a contemporary recreation
PROGRAM GOALS

- 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

POST RECONSTRUCTION

CONNECT WITH THE TOURS

SUSTAINABLE EDUCATION HUB

FLEXIBILITY

EVENT HUB

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

Before 1948, Taliesin Fellowship elevation drawing

Post 1948, Shed and Midway Barn approach road

Visualization model by Xiaoran Zhang, 2021

Center point milking tower

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

TALIESIN   MACHINE SHED RECONSTRUCTION, SPRING GREEN, WISCONSIN + UNIVERSITY OF PENNSYLVANIA HISTORIC PRESERVATION

MICHELE KOLB  MSDHP  JUNE 7, 2021

RECONSTRUCTION
DESIGN CONCEPT

SECTION NTS

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

TALIESIN MACHINE SHED RECONSTRUCTION, SPRING GREEN, WISCONSIN + UNIVERSITY OF PENNSYLVANIA HISTORIC PRESERVATION

MICHELE KOLB MSDHP JUNE 7, 2021
KEY
1 SKYLIGHTS OR STRIP LIGHTS
2 FRAMING 2X4
3 STRIP LIGHTS
4 ROLLER BARN ENCLOSURE WALLS
5 TENSILE STRUCTURE CEILING

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

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

“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 ACTUAL NEEDS”.

FRANK LLOYD WRIGHT

EXCERPTS FROM “THE SOVEREIGNTY OF THE INDIVIDUAL”, 1951


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


Preservation


