

Synagogoue in Pilica



Description

Synagogue in Pilica was a wooden, non-existent synagogue, located in Pilica, in Silesian Voivodeship. The establishment of the synagogue is dated to 1747, while some sources indicate around 1690. In the early 20th century, the synagogue was expanded on its southern side. During World War II, in the autumn of 1939, it was set on fire and completely destroyed by the Germans.

The synagogue in Pilica belonged to the wooden synagogues of the longitudinal type, constructed with posts. It had a two-story roof with a truss structure, a gable roof at the front with a half-gable at the back, covered with wooden shingles. Inside, there was a rectangular main prayer hall with dimensions of 13.3 x 21.5 meters, covered by two rows of five cross-vaulted ceilings. The exterior walls had a height of 6 meters; the interior extended to a height of 9 meters up to the peak of the vault.

The entrance to the synagogue was from the western side, under a protruding roof. First, you would enter the vestibule and from there into the main prayer hall for men. In the vestibule, there was also a small room for the congregation. Above this area was the women's gallery, accessible through two sets of external stairs.

The interior was covered with polychrome dating back to 1816, depicting floral ornaments and stars. Along the perimeter of the prayer hall's ceiling, images of zodiac signs were placed, which were part of the classical painted decoration of synagogues.

The Aron ha-kodesh, crafted in the Rococo style, was situated on the eastern wall. The Bimah, located in the center of the main prayer hall, consisted of an octagonal, polychrome podium surrounded by a balustrade made of intricately cut wooden panels.

The main prayer hall had three windows on each side, as well as double windows on the eastern wall, flanking the Aron ha-kodesh. In the women's gallery, there were smaller windows of varying styles and dimensions.

Scientific Advisor

Igor Bajena, Piotr Kuroczyński

Modelling

Miłosz Kazuła, Michał Majchrzak

Cooperation Partnership

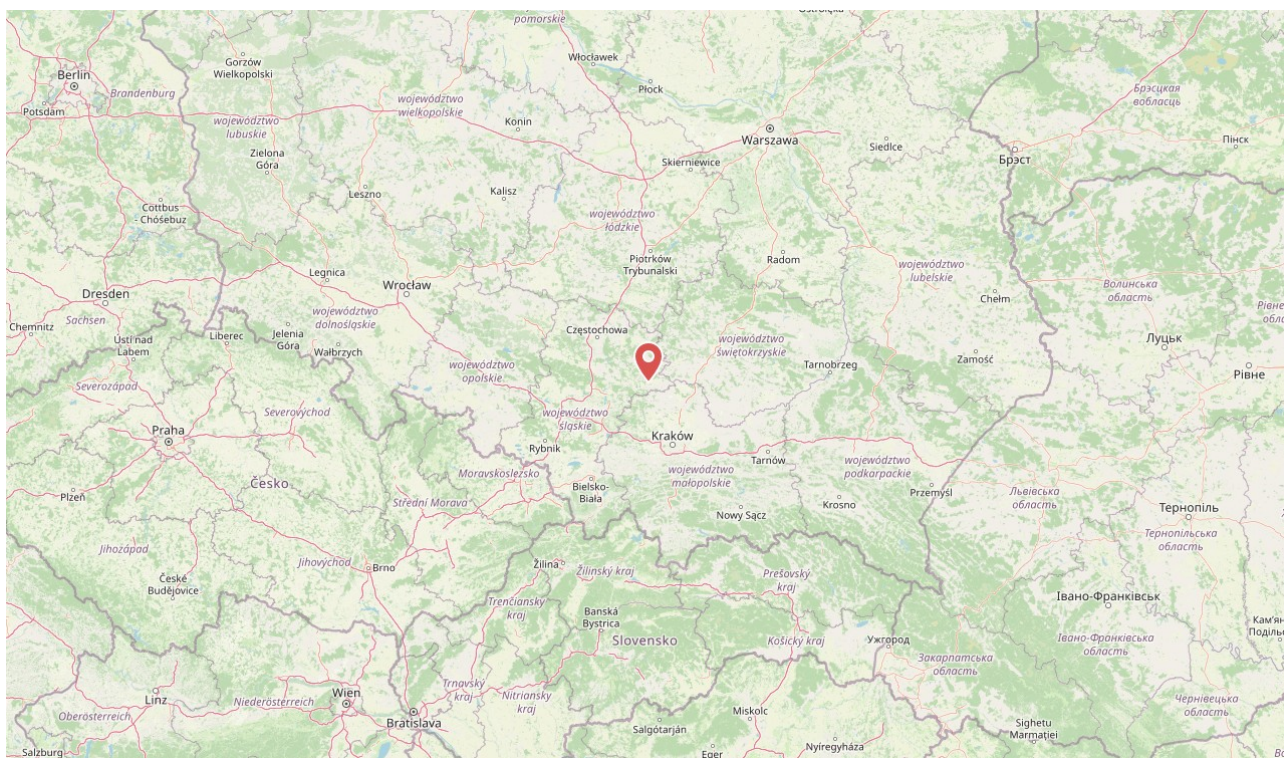
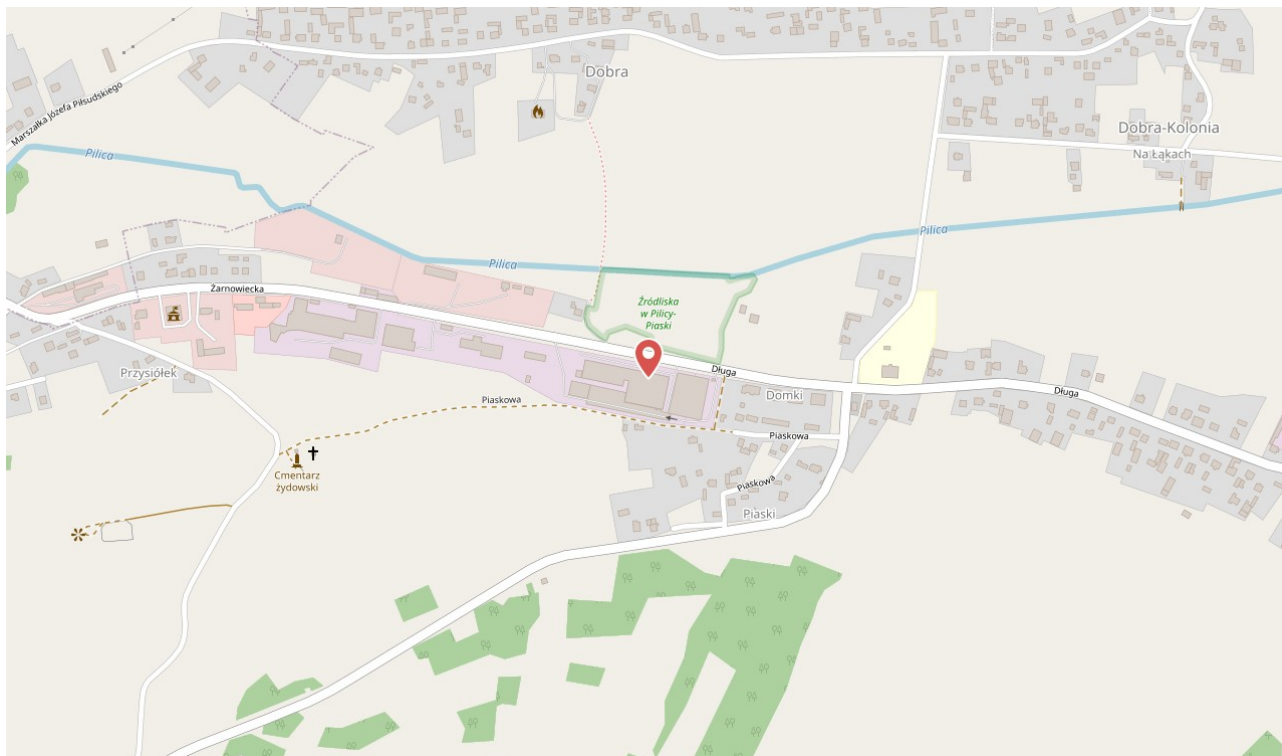
University of Bologne, Lodz University of Technology, Hochschule Mainz

Used Software

Revit 2023, Enscape, Blender

Geo-coordinates

Latitude 50.468440 Longitude 19.678180



Synagogue - Construction - Ceilings

Variant: ceiling1

Working state: (Argumentation 1)

Reconstruction



Fig. 101 Ceiling

Sources

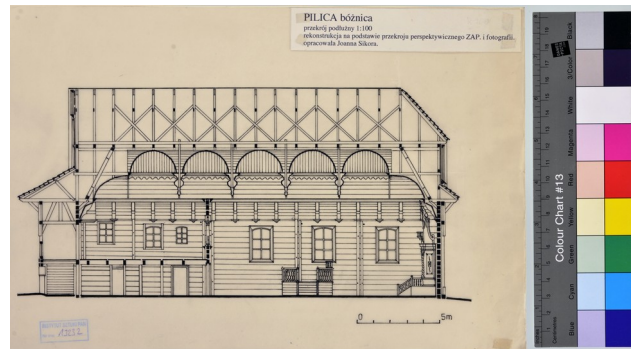


Fig. 5 005_Pilica_IS_PAN_cross_section_03

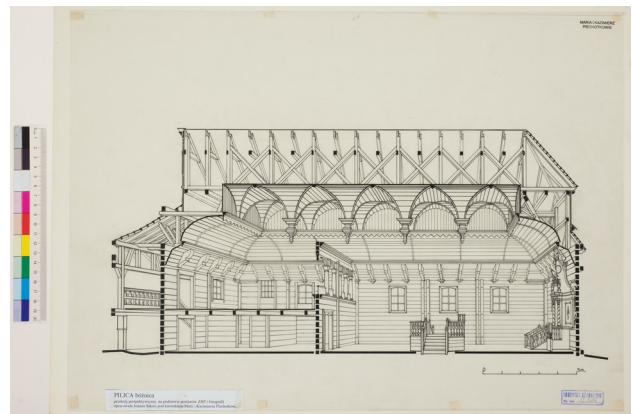


Fig. 7 007_Pilica_IS_PAN_perspective_section

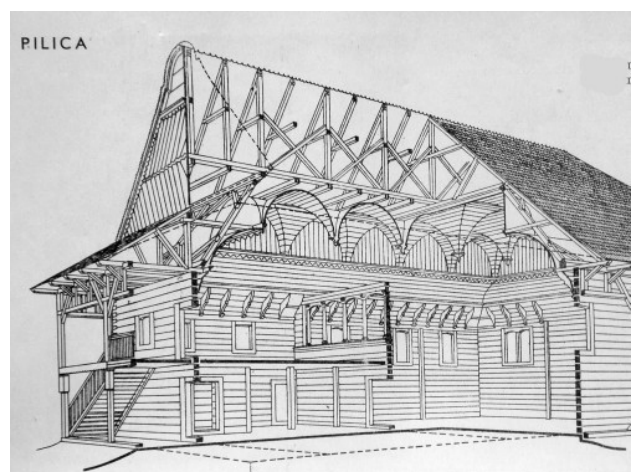


Fig. 20
004_Pilica_JuraPilica_perspective_cross_section

Synagogue - Construction - Columns

Variant: Interior columns

Working state



Fig. 33 001_Pilica_HUJI_interior_01



Fig. 35 003_Pilica_HUJI_interior_02



Fig. 36 004_Pilica_HUJI_interior_03

Variant: Exterior columns

Working state

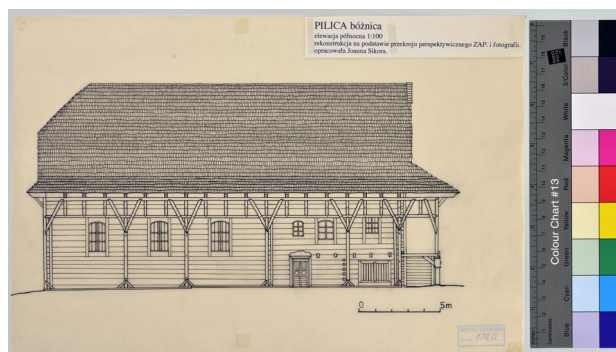


Fig. 9 009_Pilica_IS_PAN_northern_elevation



Fig. 10 010_Pilica_IS_PAN_perspective_view

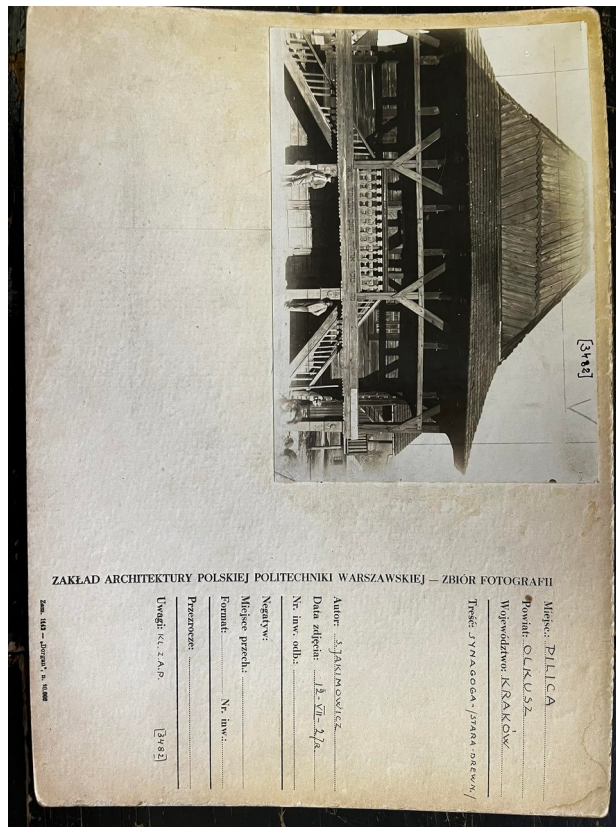


Fig. 15 004_Pilica_ZAP_western_view



Fig. 19 003_Pilica_JuraPilica_perspective_view_03

Synagogue - Construction - Roofs

Variant: Roof

Working state



Fig. 19 003_Pilica_JuraPilica_perspective_view_03



Fig. 66
003_Pilica_Fotopolska_perspective_view_02

Synagogue - Construction - Roof truss

Variant: Roof truss 01

Working state

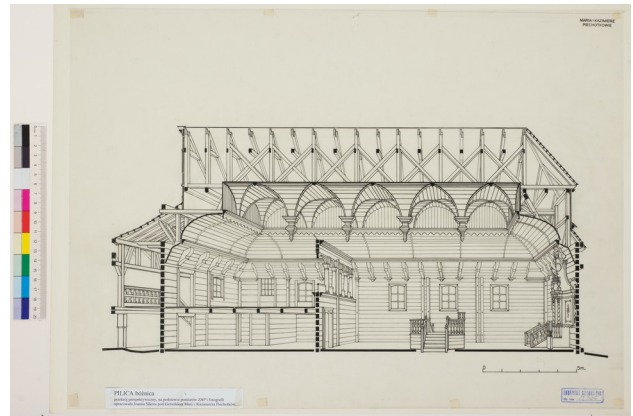


Fig. 7 007_Pilica_IS_PAN_perspective_section

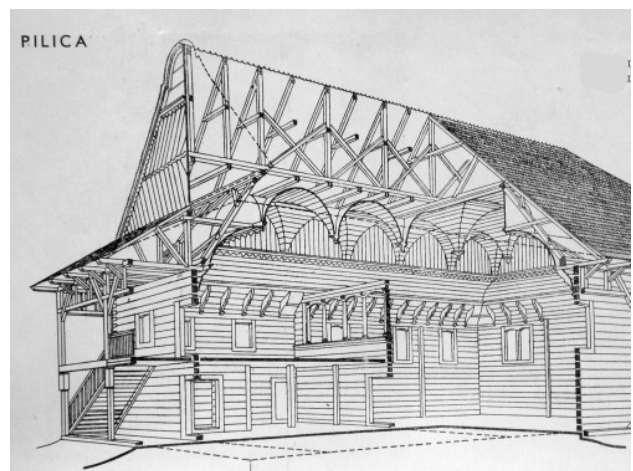


Fig. 20
004_Pilica_JuraPilica_perspective_cross_section

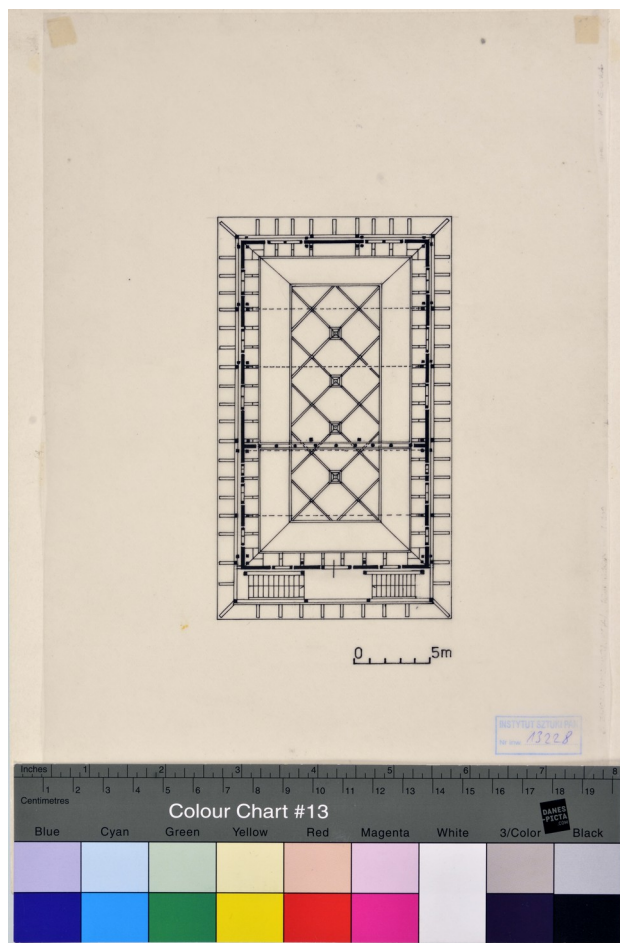


Fig. 2 002_Pilica_IS_PAN_roof_plan

Variant: Roof truss 02

Working state

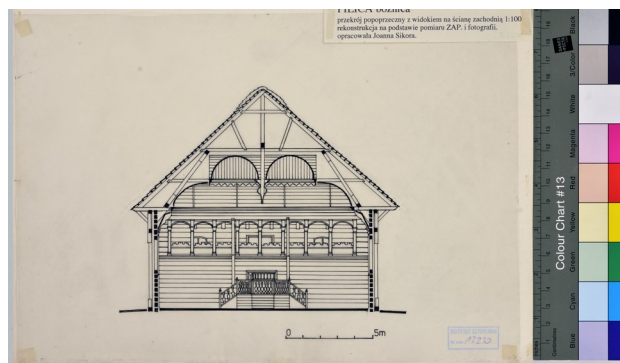


Fig. 4 004_Pilica_IS_PAN_cross_section_02

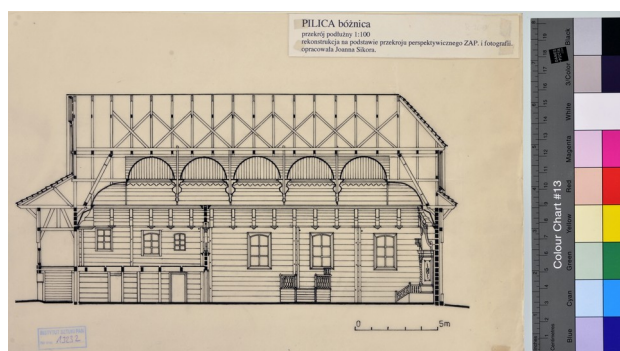


Fig. 5 005_Pilica_IS_PAN_cross_section_03

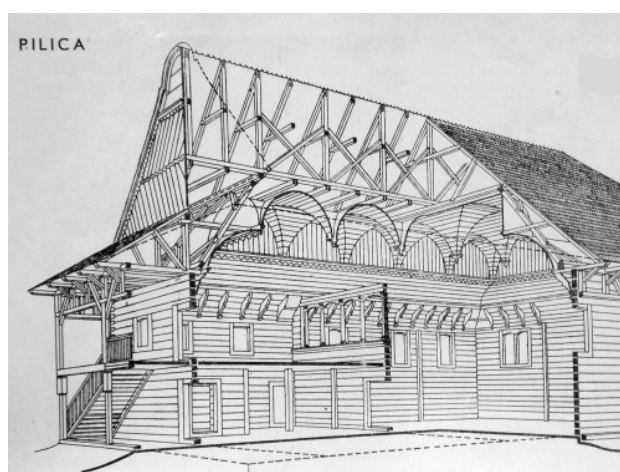


Fig. 20
004_Pilica_JuraPilica_perspective_cross_section

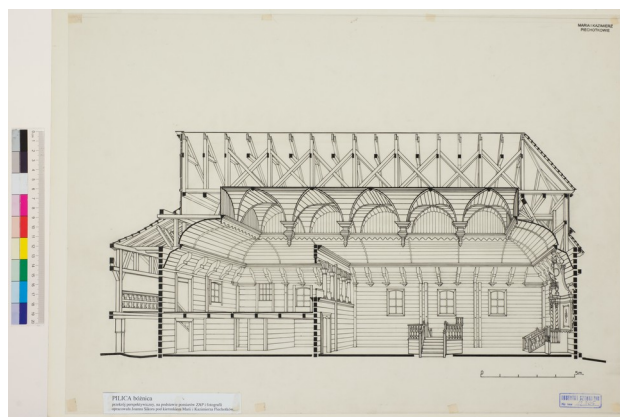


Fig. 7 007_Pilica_IS_PAN_perspective_section

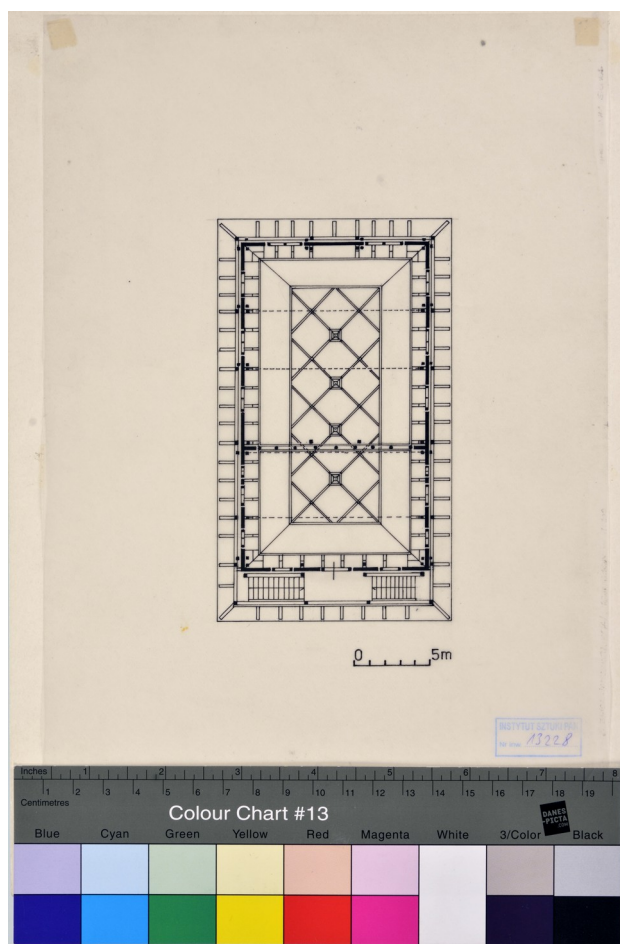


Fig. 2 002_Pilica_IS_PAN_roof_plan

Synagogue - Construction - Stairs

Variant: Stairs

Working state

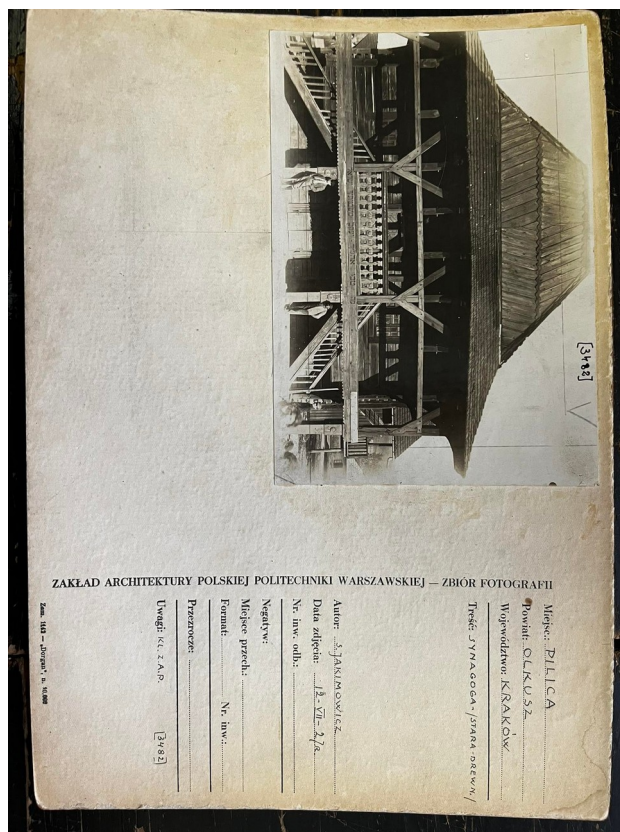


Fig. 15 004_Pilica_ZAP_western_view



Fig. 100 013_Pilica_IS_PAN_perspective_view

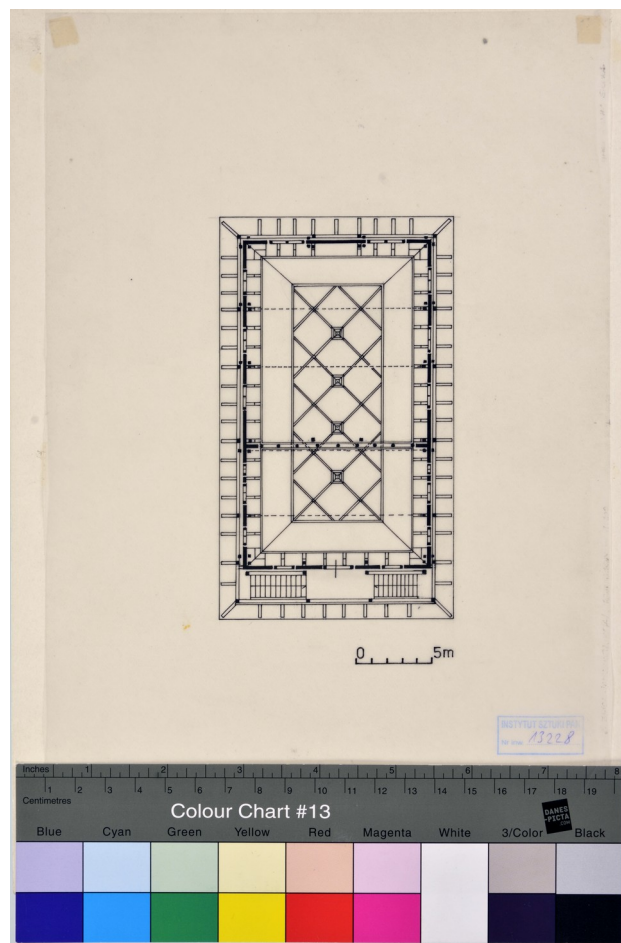


Fig. 2 002_Pilica_IS_PAN_roof_plan

Synagogue - Construction - Walls

Variant: Eastern wall

Working state

Fig. 54

001_Pilica_Fotopolska_perspective_view_01

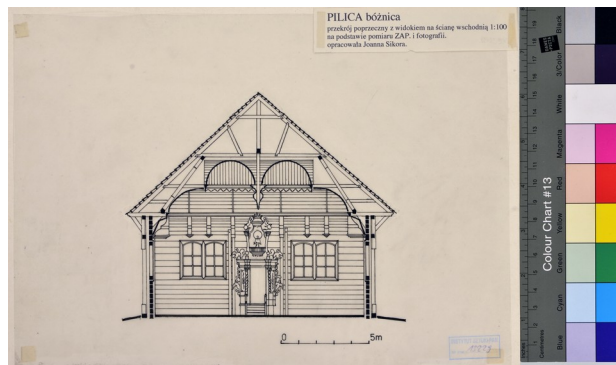


Fig. 3 003_Pilica_IS_PAN_cross_section_01

Variant: Western wall

Working state

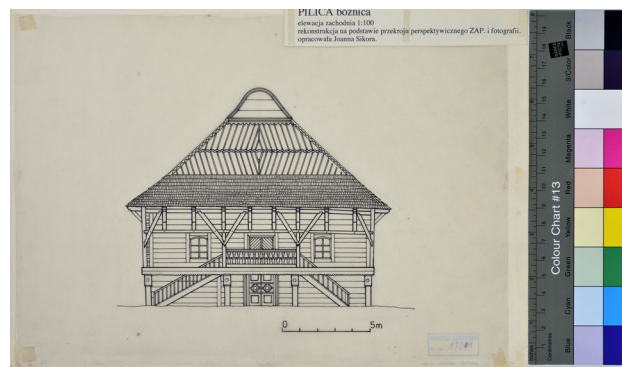


Fig. 8 008_Pilica_IS_PAN_western_elevation

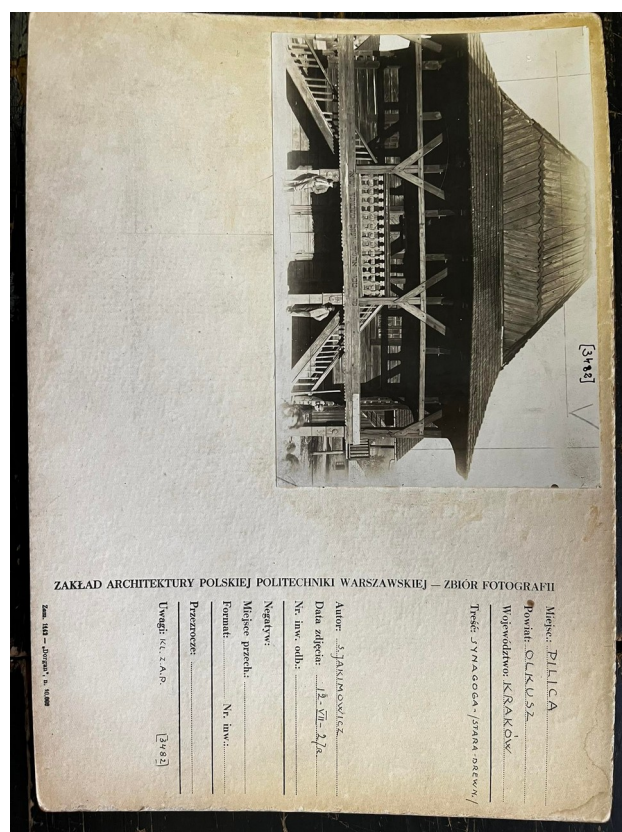


Fig. 15 004_Pilica_ZAP_western_view



Fig. 100 013_Pilica_IS_PAN_perspective_view

Variant: Northern wall

Working state



Fig. 14 003_Pilica_ZAP_perspective_view



Fig. 66
003_Pilica_Fotopolska_perspective_view_02

Variant: Southern wall

Working state

There were misleading information concerning doors on the eastern wall of the synagogue in Pilica, on some photographs doors were visible, on the ground floor survey drawing there was no sign of their existence. The decision was made to not reconstruct them because we assumed the doors was created later than other elements we decide to reconstruct in our model.

Fig. 99 Southern wall

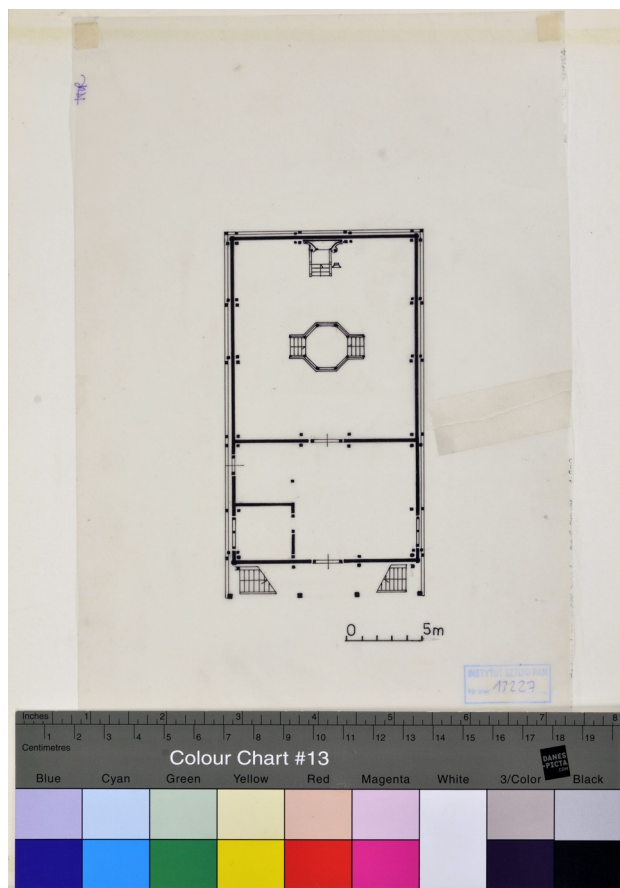


Fig. 1 001_Pilica_IS_PAN_ground_floor_plan



Fig. 18 002_Pilica_JuraPilica_perspective_view_02



Fig. 19 003_Pilica_JuraPilica_perspective_view_03



Fig. 34 002_Pilica_HUJI_perspective_view_01

Synagogue - Construction - Vault

Variant: Vault

Working state

Synagogue - Openings - Doors

Variant: Internal door to main prayer hall

Working state

Variant: External doors to the vestibule

Working state



Fig. 100 013_Pilica_IS_PAN_perspective_view

Variant: External doors to the women's gallery

Working state

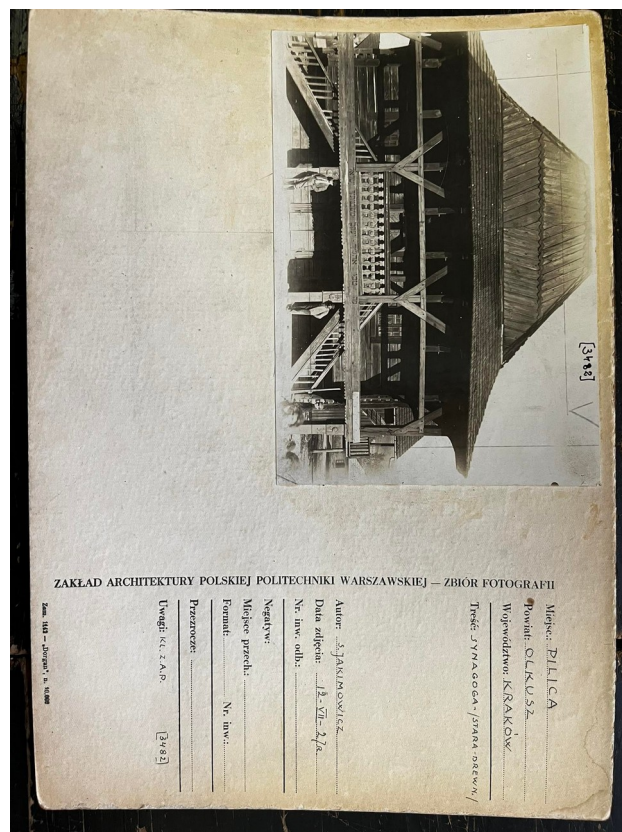


Fig. 15 004_Pilica_ZAP_western_view



Fig. 66
 003_Pilica_Fotopolska_perspective_view_02

Synagogue - Openings - Windows

Variant: Window 1

Working state



Fig. 66
003_Pilica_Fotopolska_perspective_view_02

Variant: Window 2

Working state



Fig. 66
003_Pilica_Fotopolska_perspective_view_02



Fig. 100 013_Pilica_IS_PAN_perspective_view

Variant: Window 3

Working state

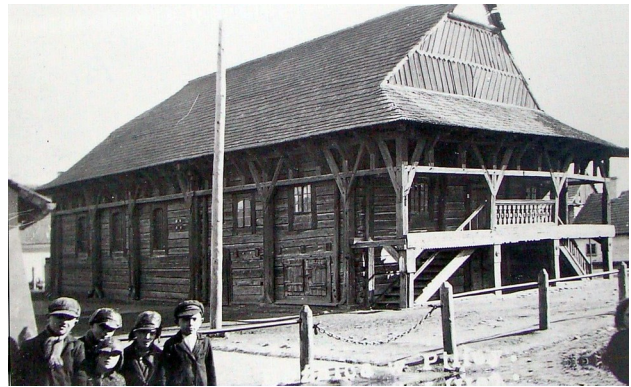


Fig. 66

003_Pilica_Fotopolska_perspective_view_02



Fig. 100 013_Pilica_IS_PAN_perspective_view

Variant: Window 4

Working state



Fig. 14 003_Pilica_ZAP_perspective_view



Fig. 66
003_Pilica_Fotopolska_perspective_view_02

Variant: Window 5

Working state



Fig. 17 001_Pilica_JuraPilica_perspective_view_01

Variant: Window 6

Working state



Fig. 19 003_Pilica_JuraPilica_perspective_view_03



Fig. 66
003_Pilica_Fotopolska_perspective_view_02

Variant: Window 7

Working state



Fig. 87 Window 8



Fig. 54
001_Pilica_Fotopolska_perspective_view_01

Variant: Window 8

Working state

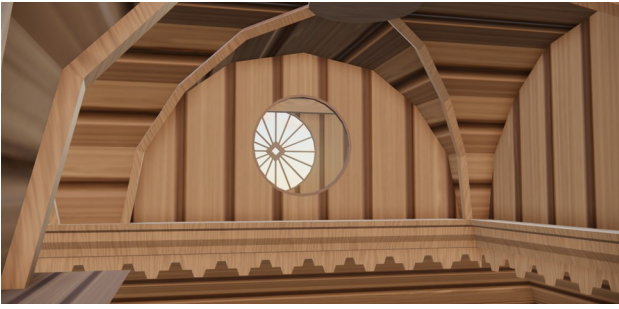


Fig. 88 Window 9



Fig. 37 005_Pilica_HUJI_interior_04

Synagogue - Judaica - Bimah

Variant: Bimah

Working state



Fig. 33 001_Pilica_HUJI_interior_01

Synagogue - Judaica - Aron hakodesh

Variant: Aron hakodesh

Working state



Fig. 41 012_Pilica_IS_PAN_aron_hakodesh

Synagogue - Decorative - Baluster

Variant: Baluster

Working state

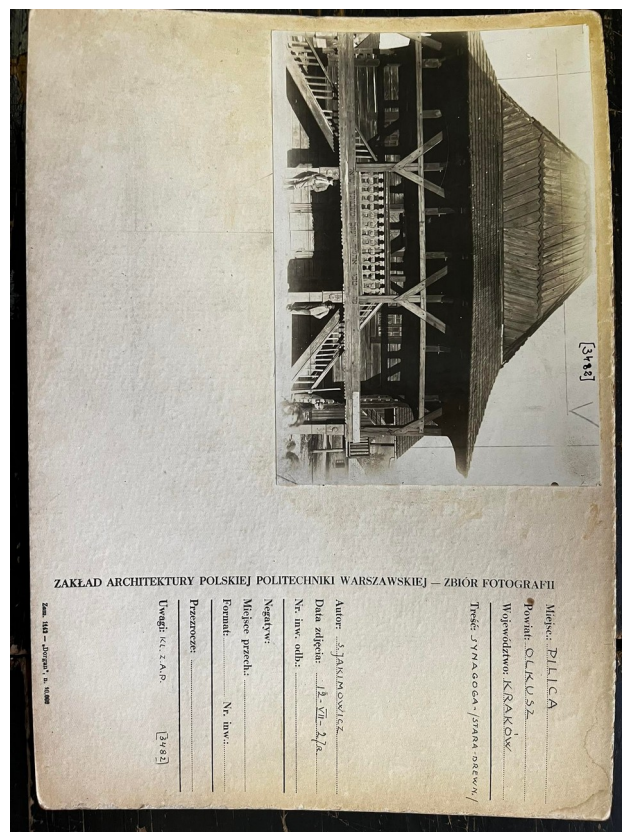


Fig. 15 004_Pilica_ZAP_western_view



Fig. 19 003_Pilica_JuraPilica_perspective_view_03



Fig. 66

003_Pilica_Fotopolska_perspective_view_02



Fig. 100 013_Pilica_IS_PAN_perspective_view

Synagogue - Decorative - Gable

Variant: Gable

Working state



Fig. 14 003_Pilica_ZAP_perspective_view

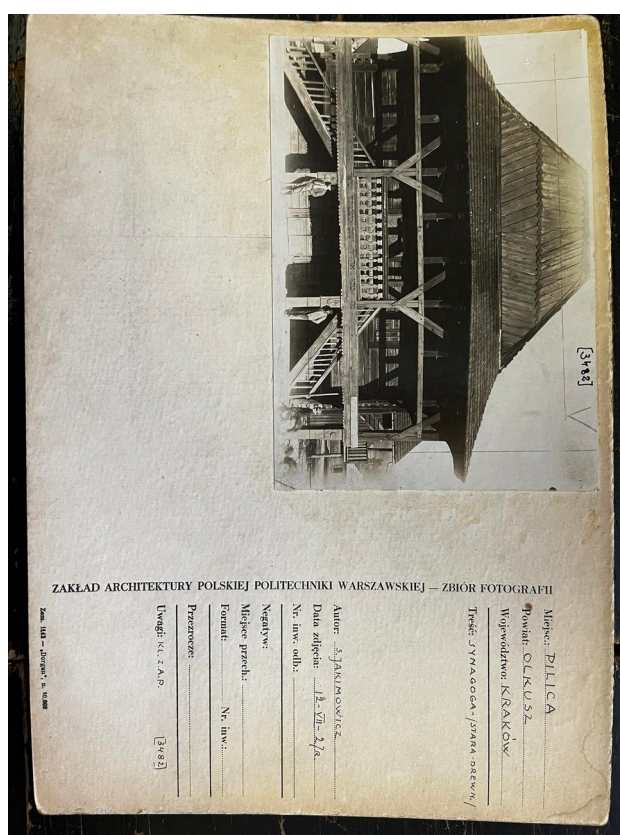


Fig. 15 004_Pilica_ZAP_western_view



Fig. 66

003_Pilica_Fotopolska_perspective_view_02



Fig. 100 013_Pilica_IS_PAN_perspective_view



Fig. 73 Vault



Fig. 74 Interior doors to the main prayer hall

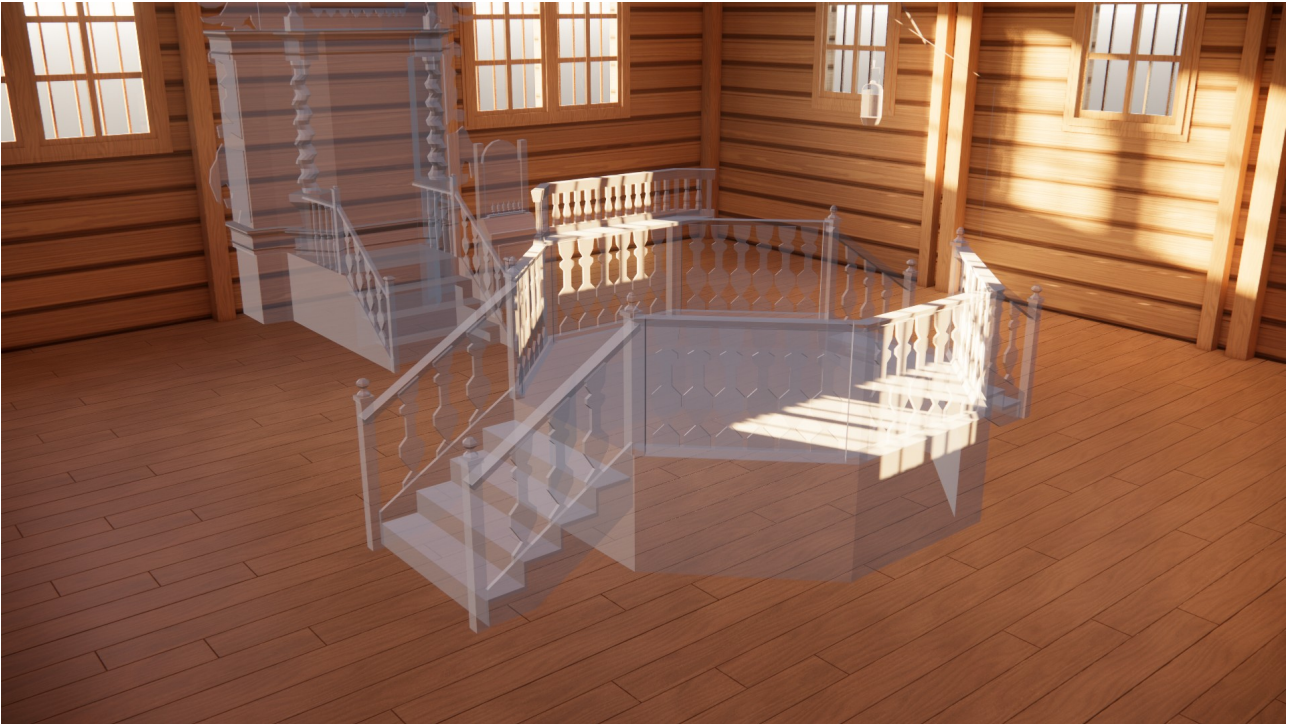


Fig. 75 Bimah



Fig. 77 Aron hakodesh



Fig. 78 Exterior doors to the vestibule

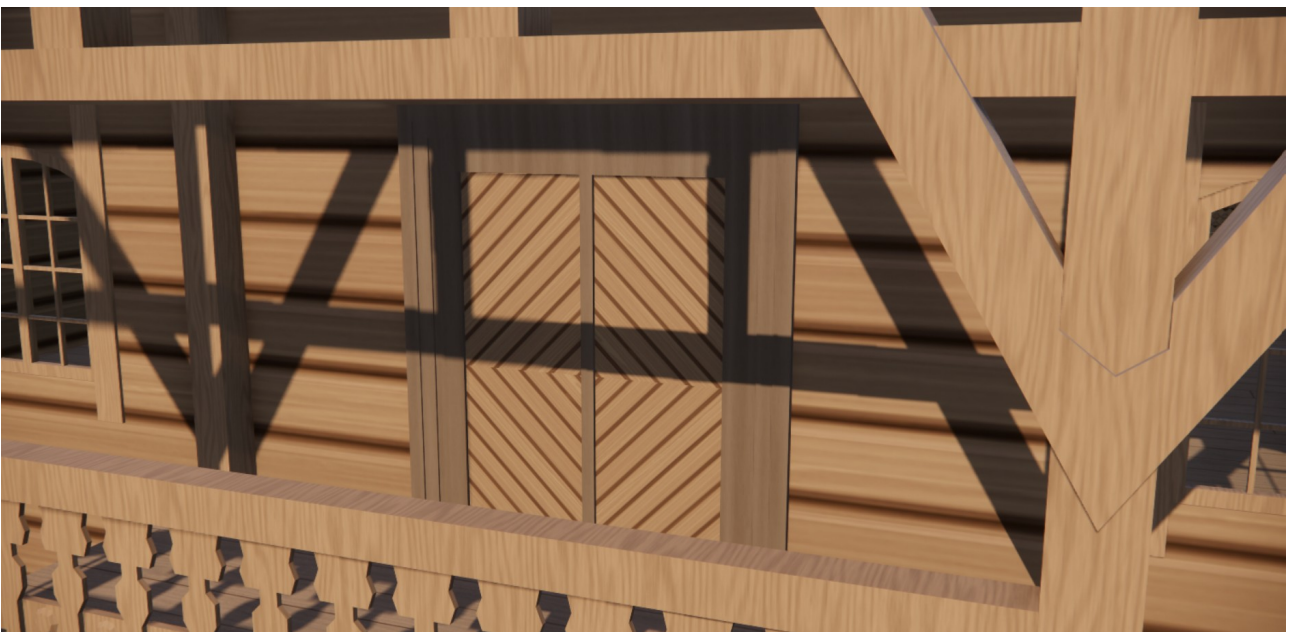


Fig. 79 Exterior doors to the women's gallery

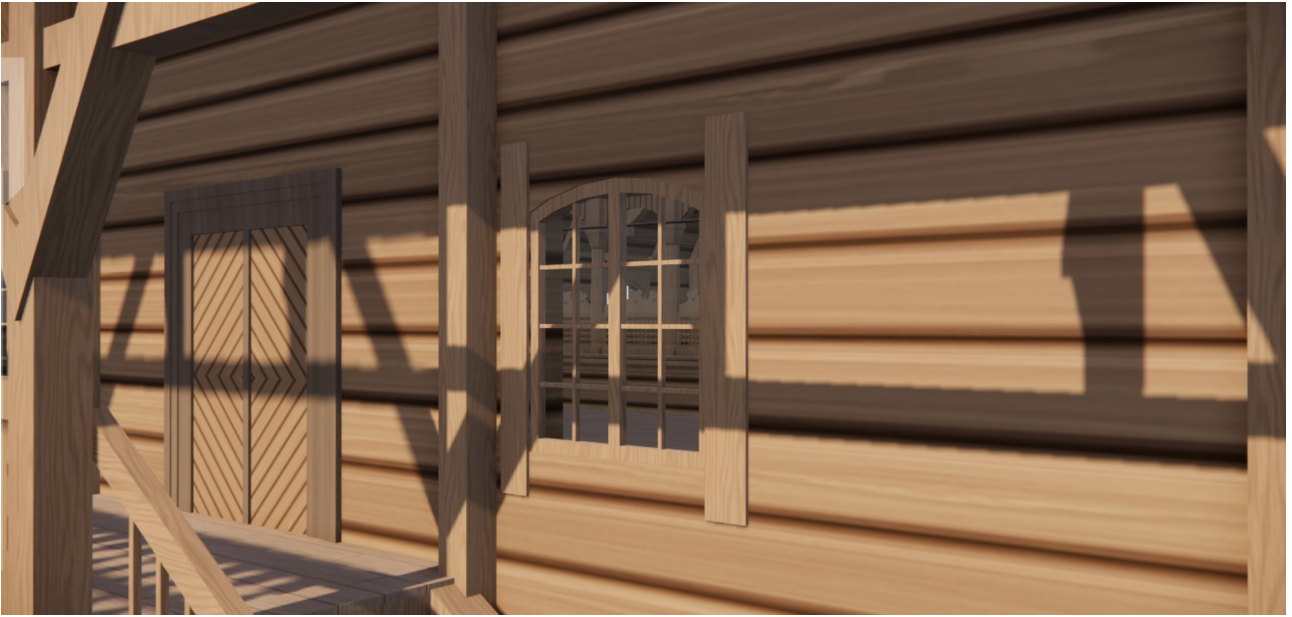


Fig. 80 Window 1



Fig. 81 Window 2

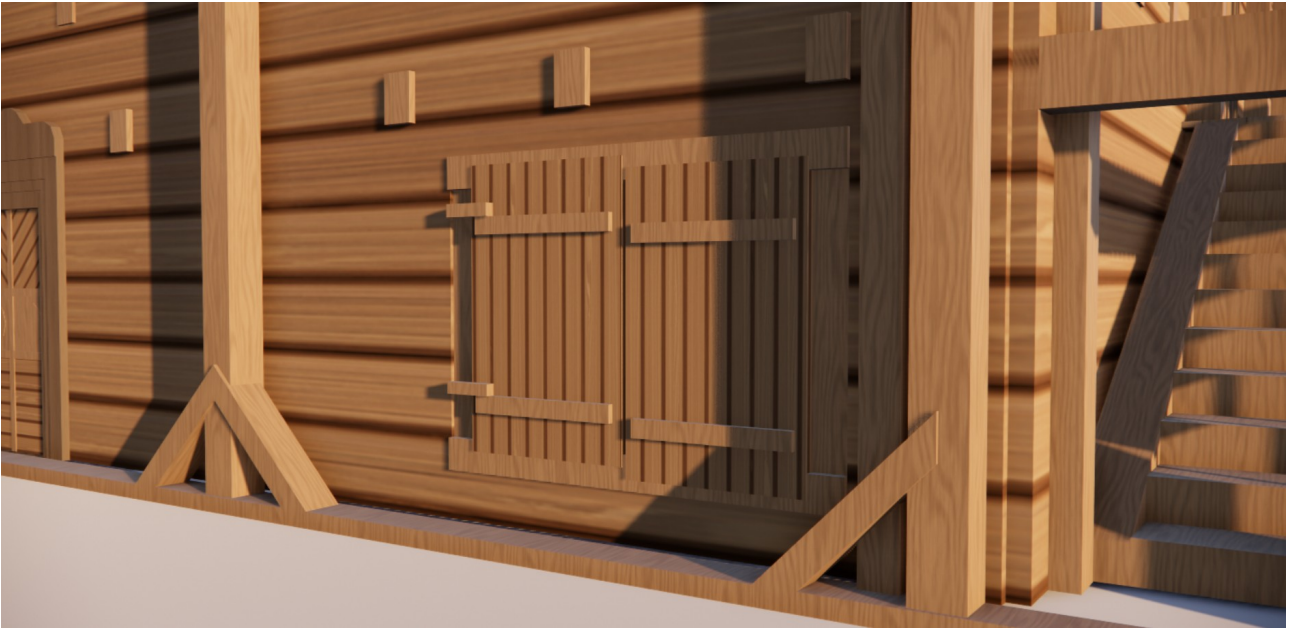


Fig. 82 Window 3

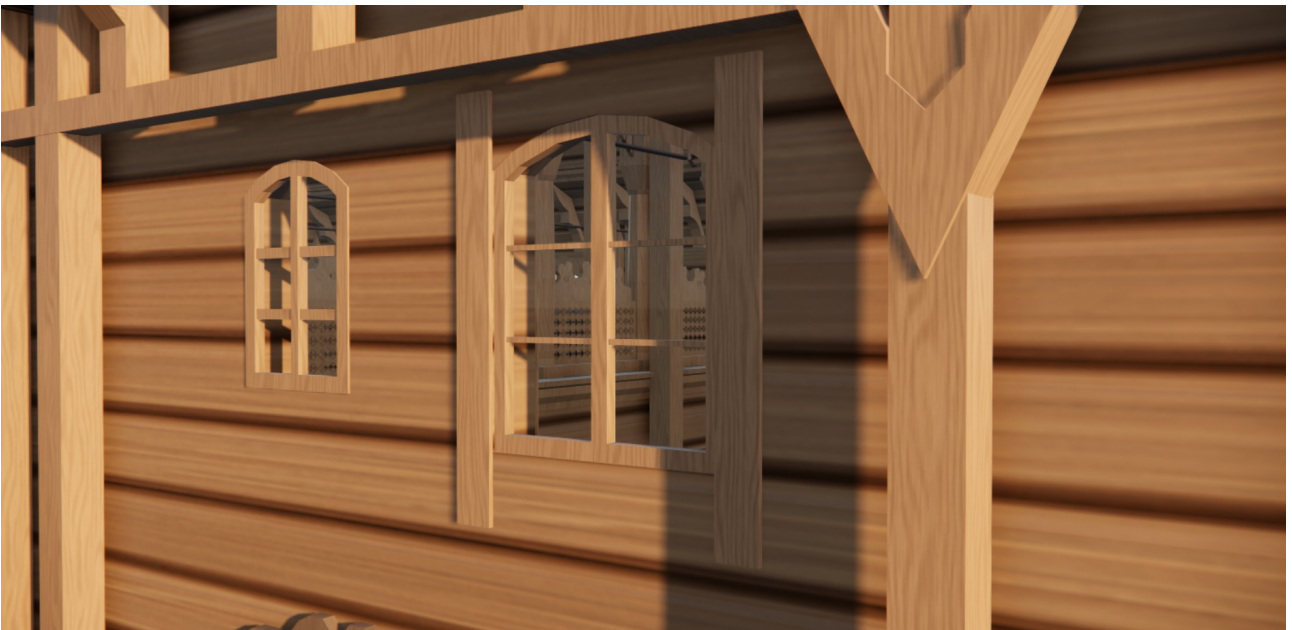


Fig. 83 Window 4



Fig. 84 Window 5



Fig. 85 Window 6



Fig. 86 Window 7



Fig. 87 Window 8

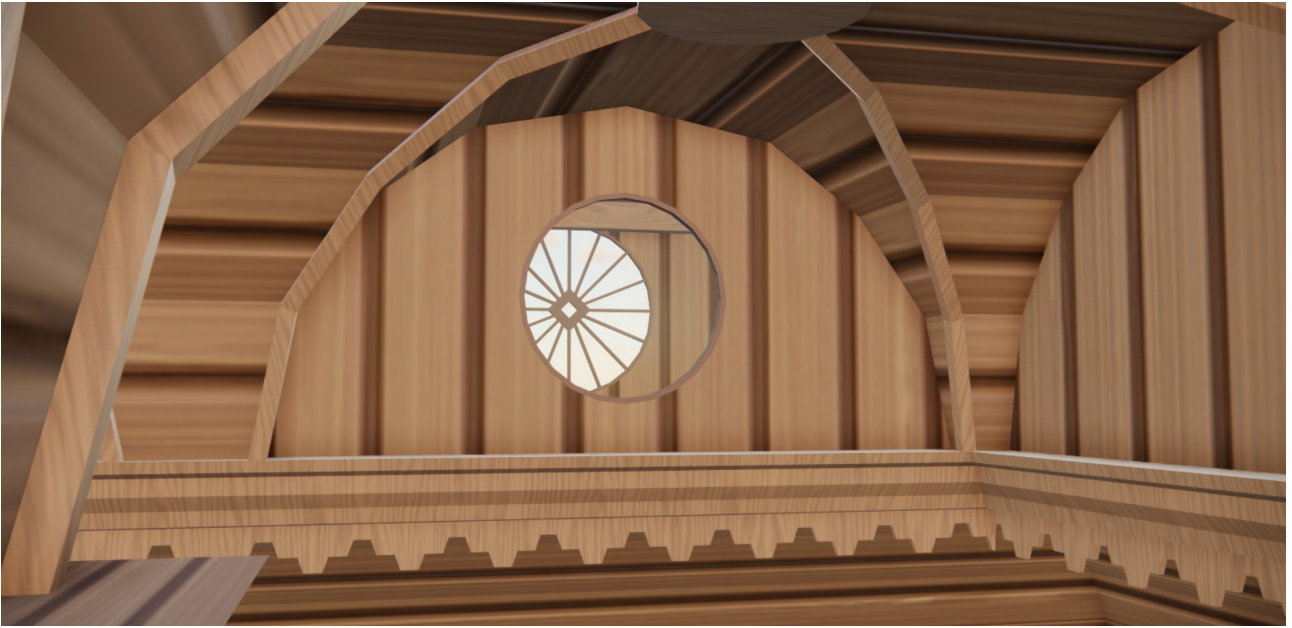


Fig. 88 Window 9

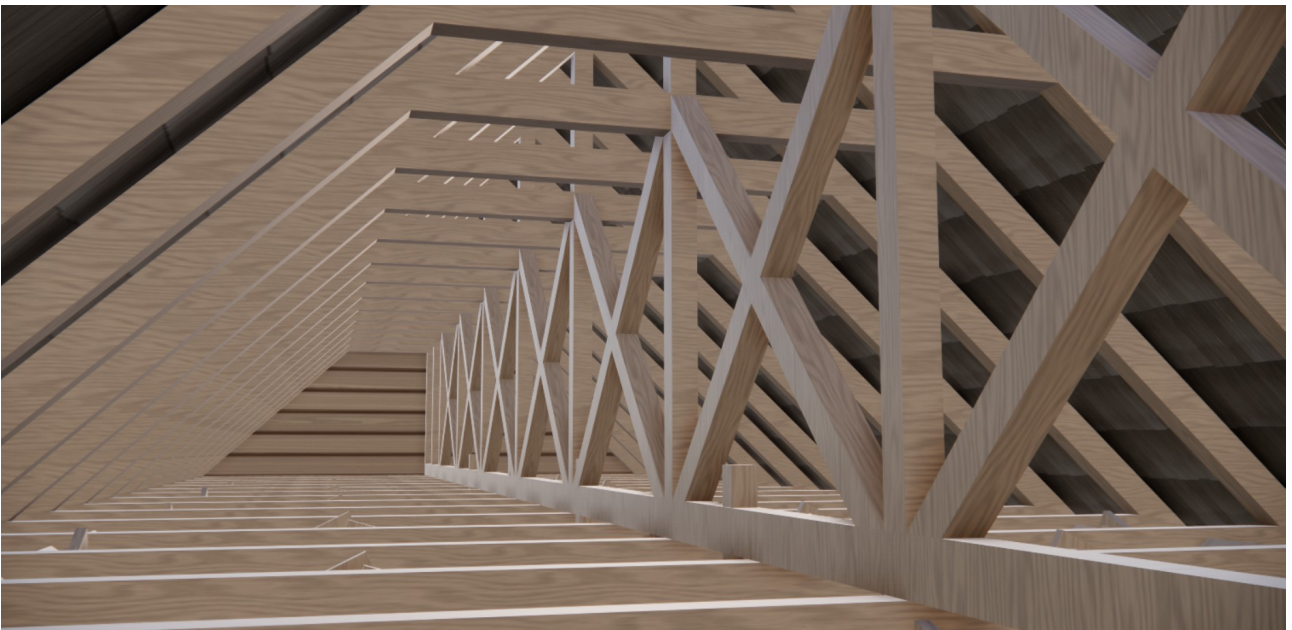


Fig. 89 Roof truss 01

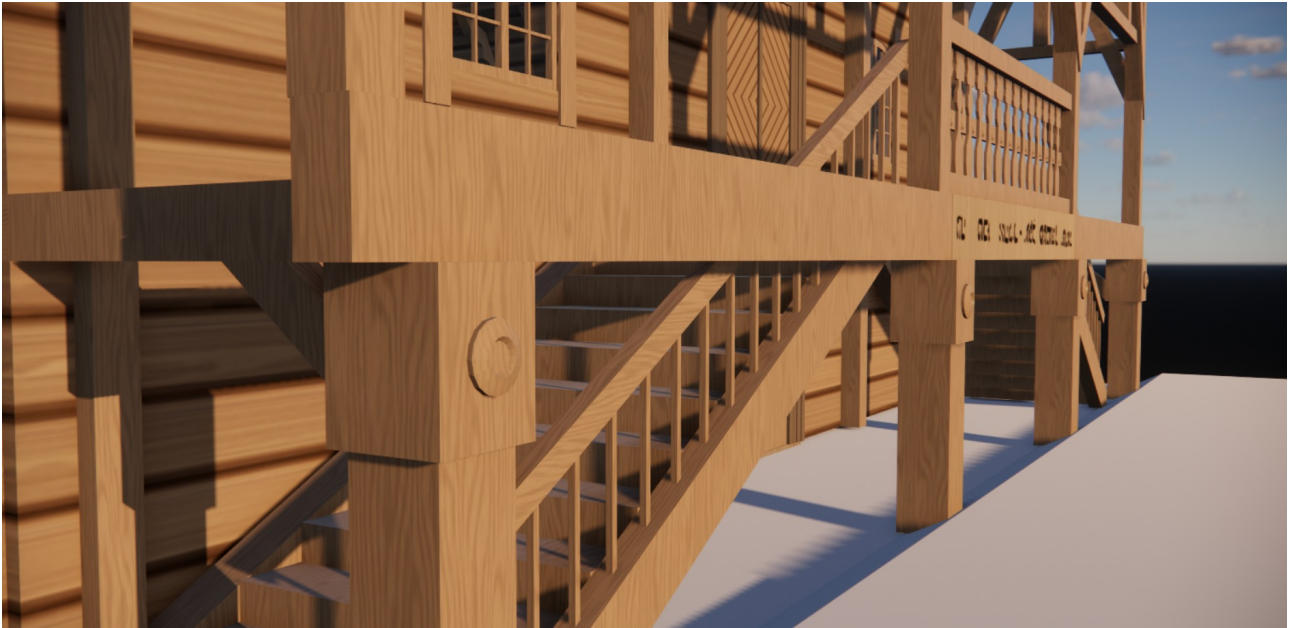


Fig. 90 Exterior stairs



Fig. 91 Interior columns



Fig. 92 Tie rods



Fig. 93 Exterior columns

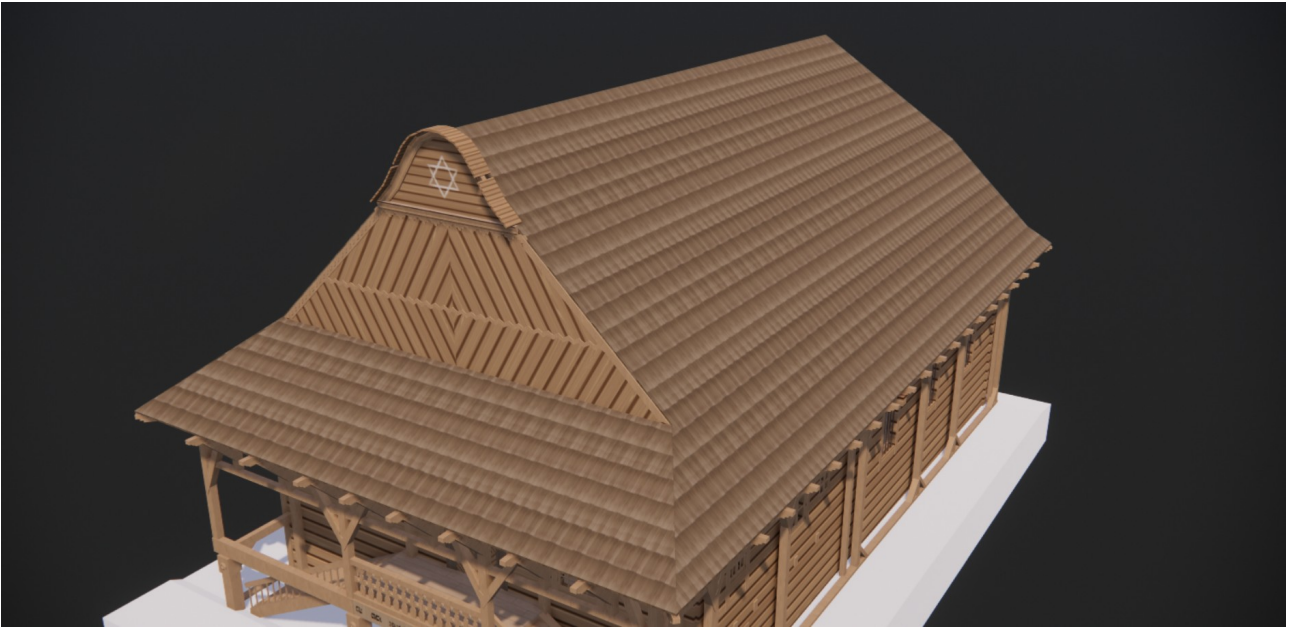


Fig. 94 Roof



Fig. 96 Eastern wall



Fig. 97 Northern wall



Fig. 98 Western wall



Fig. 99 Southern wall



Fig. 101 Ceiling

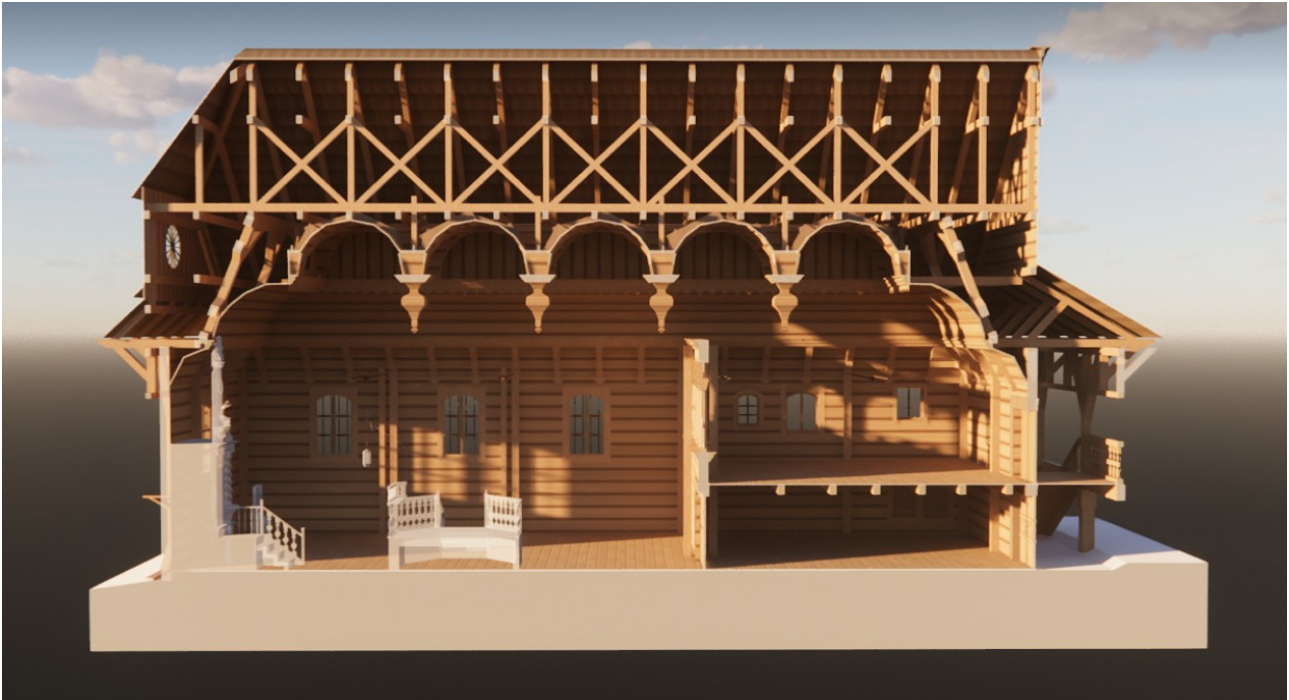


Fig. 102 Roof truss 02



Fig. 103 Gable



Fig. 104 Baluster

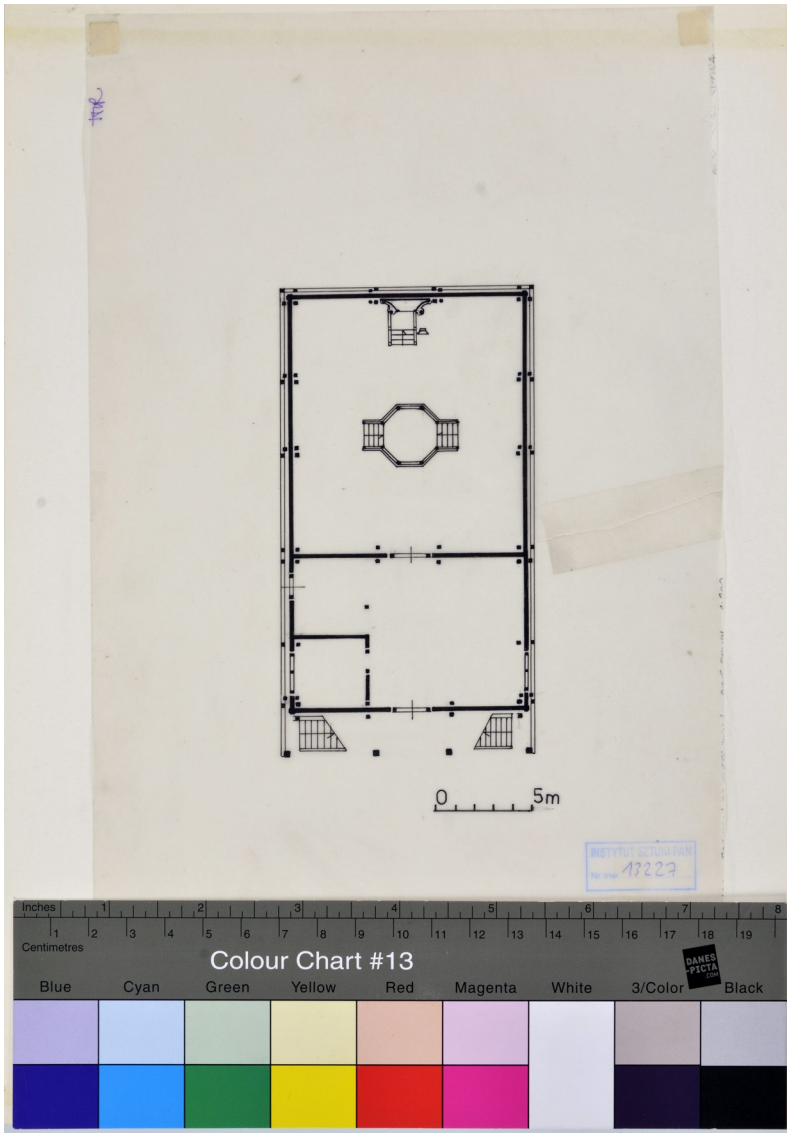


Fig. 1 001_Pilica_IS_PAN_ground_floor_plan

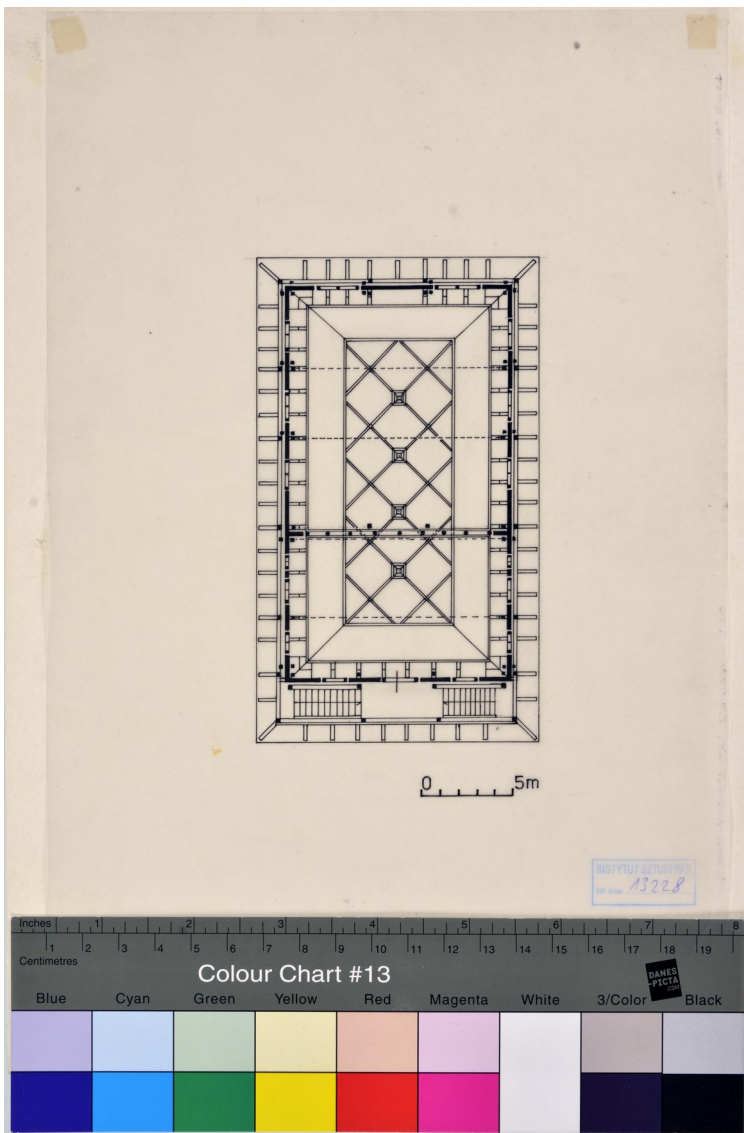


Fig. 2 002_Pilica_IS_PAN_roof_plan

Type	Survey drawing	Used as source in:	
Description	Roof plan of the synagogue in Pilica.	<u>Synagogue structure</u>	
Author	unknown	Synagogue – Construction – Stairs	
Archive	Collections of the Institute of Art of the Polish Academy of Sciences	Synagogue – Construction – Roof truss	
Signature	13228		
Copyright			

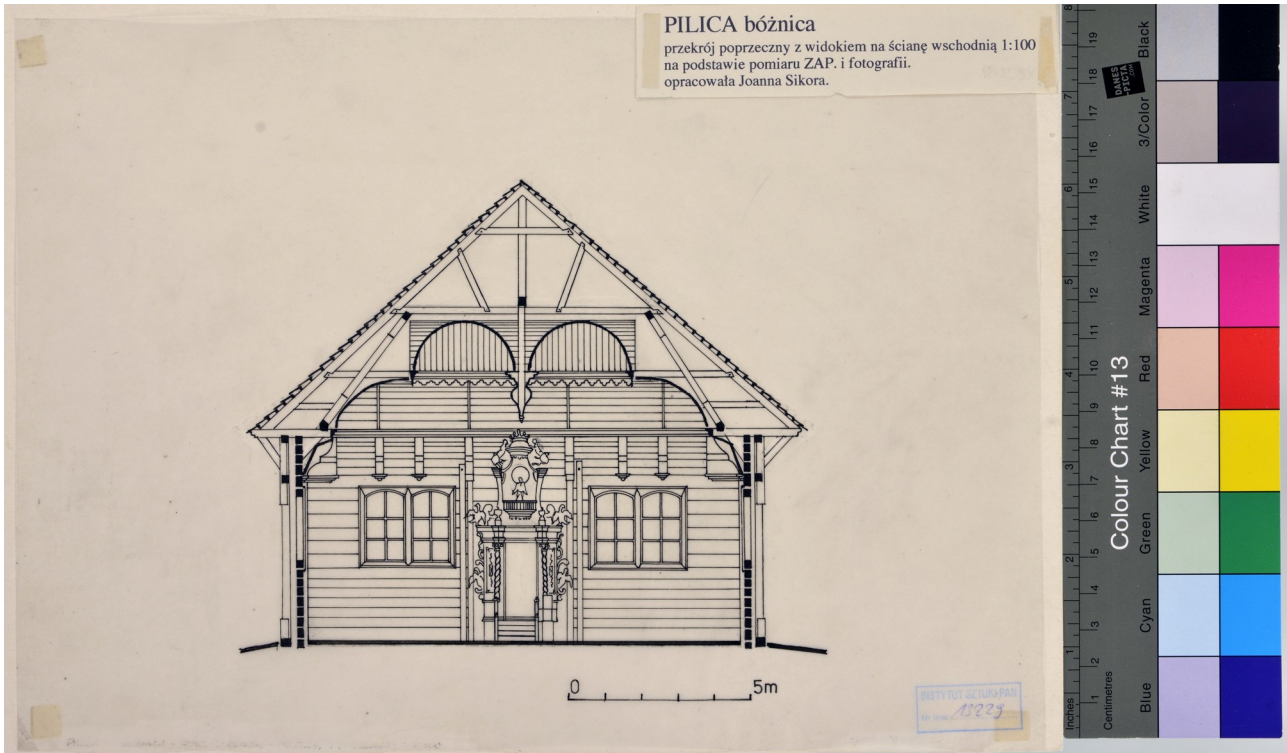


Fig. 3 003_Pilica_IS_PAN_cross_section_01

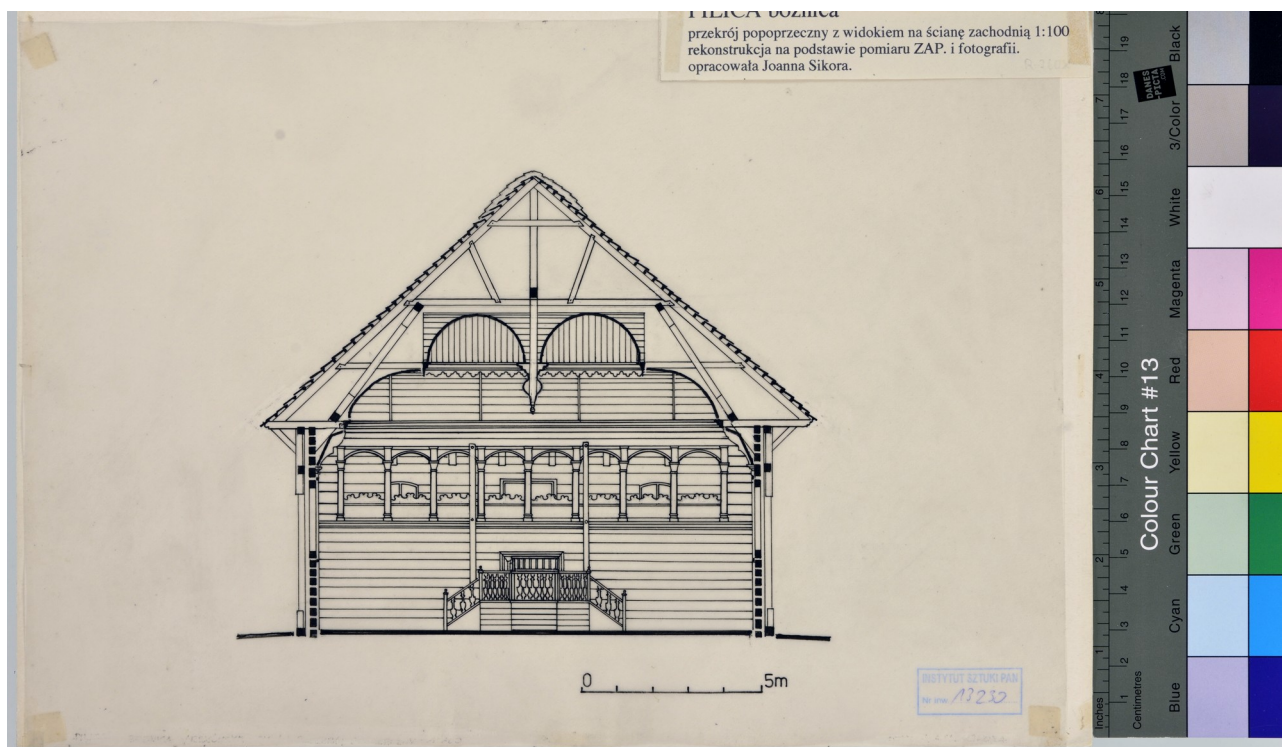


Fig. 4 004_Pilica_IS_PAN_cross_section_02

Type Survey drawing

Description Latitudinal section of the synagogue in Pilica looking towards western wall.

Author Joanna Sikora

Archive Collections of the Institute of Art of the Polish Academy of Sciences

Signature 13230

Copyright

Used as source in:

Synagogue structure

Synagogue - Judaica - Bimah

Synagogue - Construction - Columns

Synagogue - Construction - Roof truss

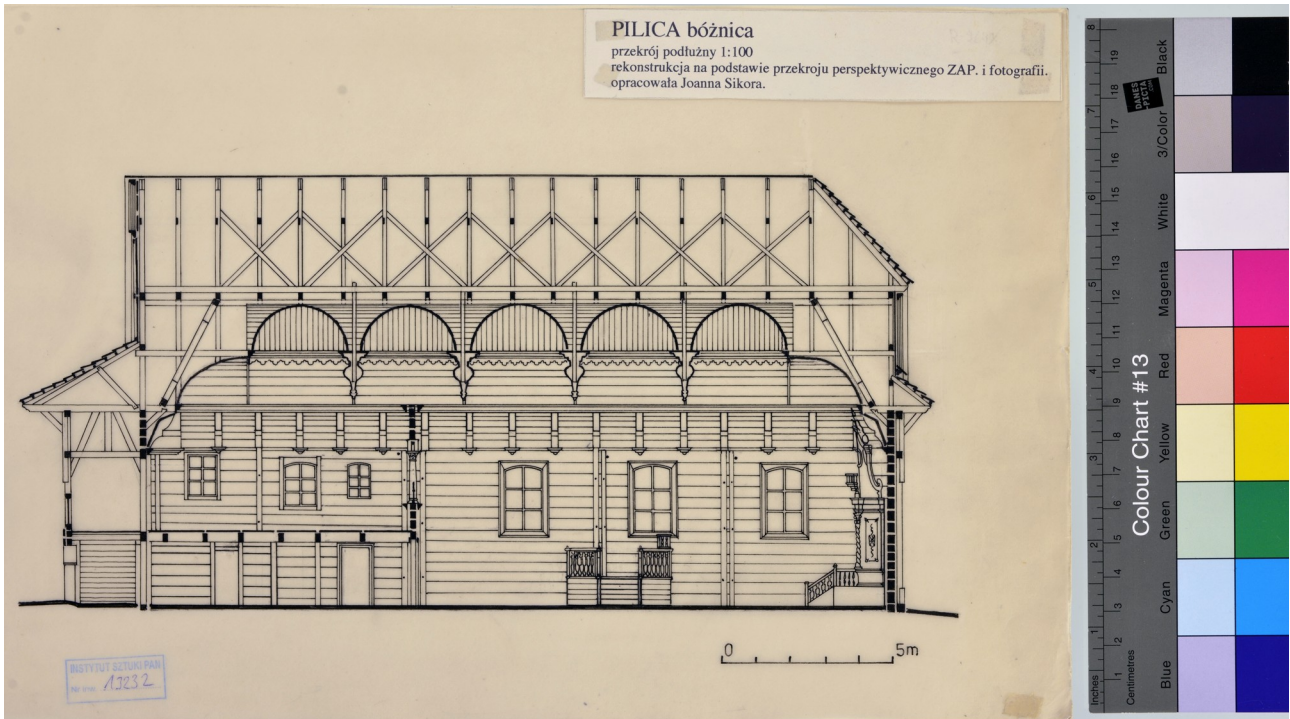


Fig. 5 005_Pilica_IS_PAN_cross_section_03

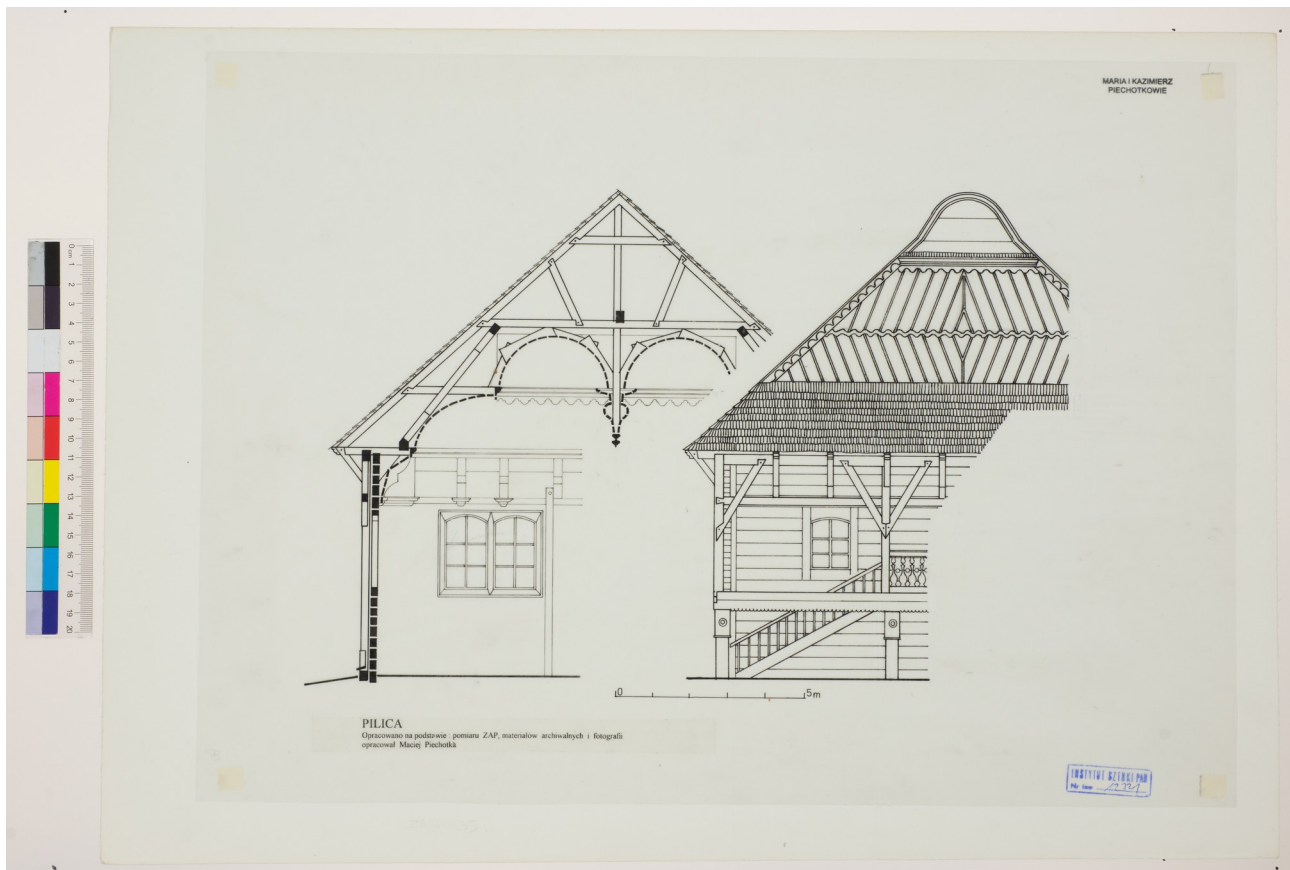


Fig. 6 006_Pilica_IS_PAN_cross_section_04

Type Survey drawing

Description Cross section of the synagogue in Pilica.

Author Maciej Piechotka

Archive Collections of the Institute of Art of the Polish Academy of Sciences

Signature 12721

Copyright

Used as source in:

Synagogue structure

Synagogue – Construction – Stairs

Synagogue – Decorative – Gable

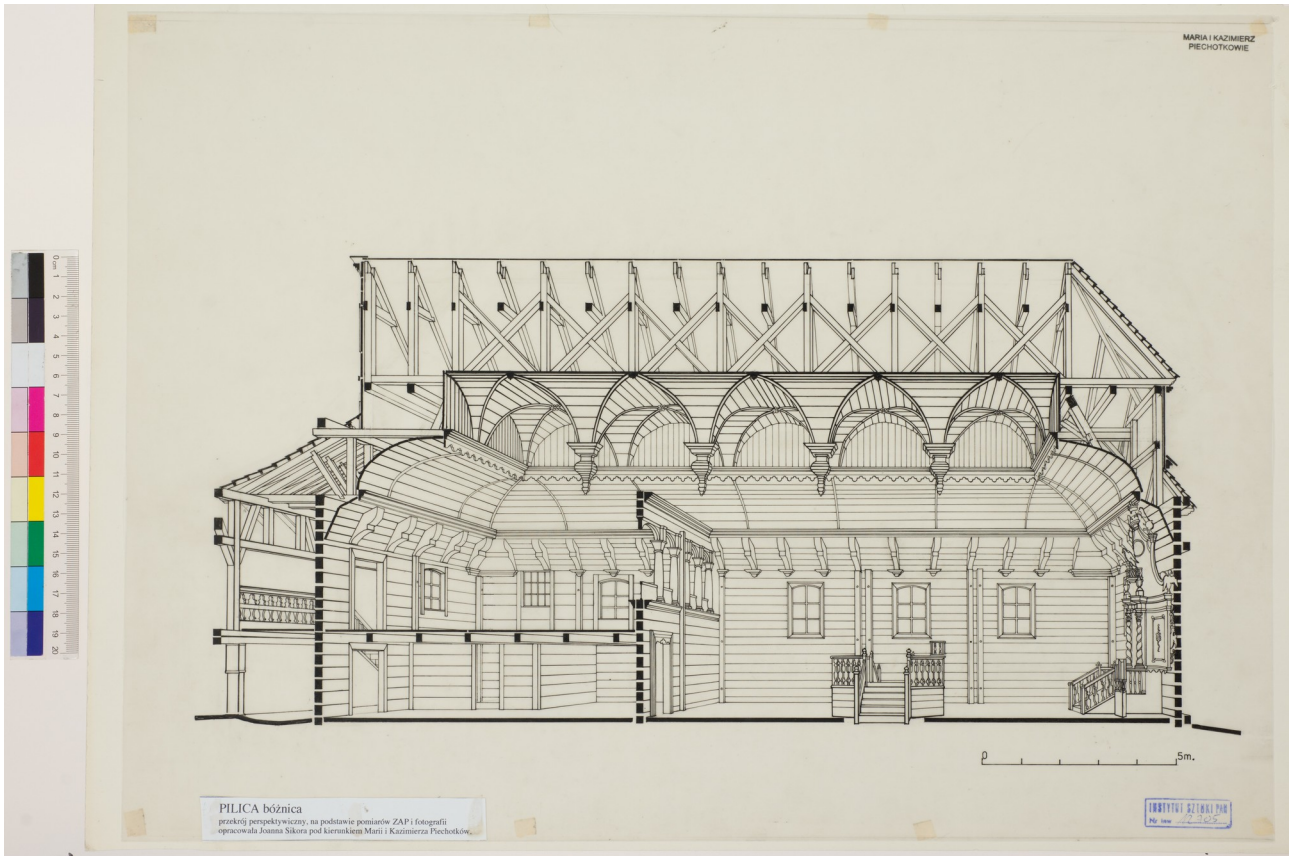


Fig. 7 007_Pilica_IS_PAN_perspective_section

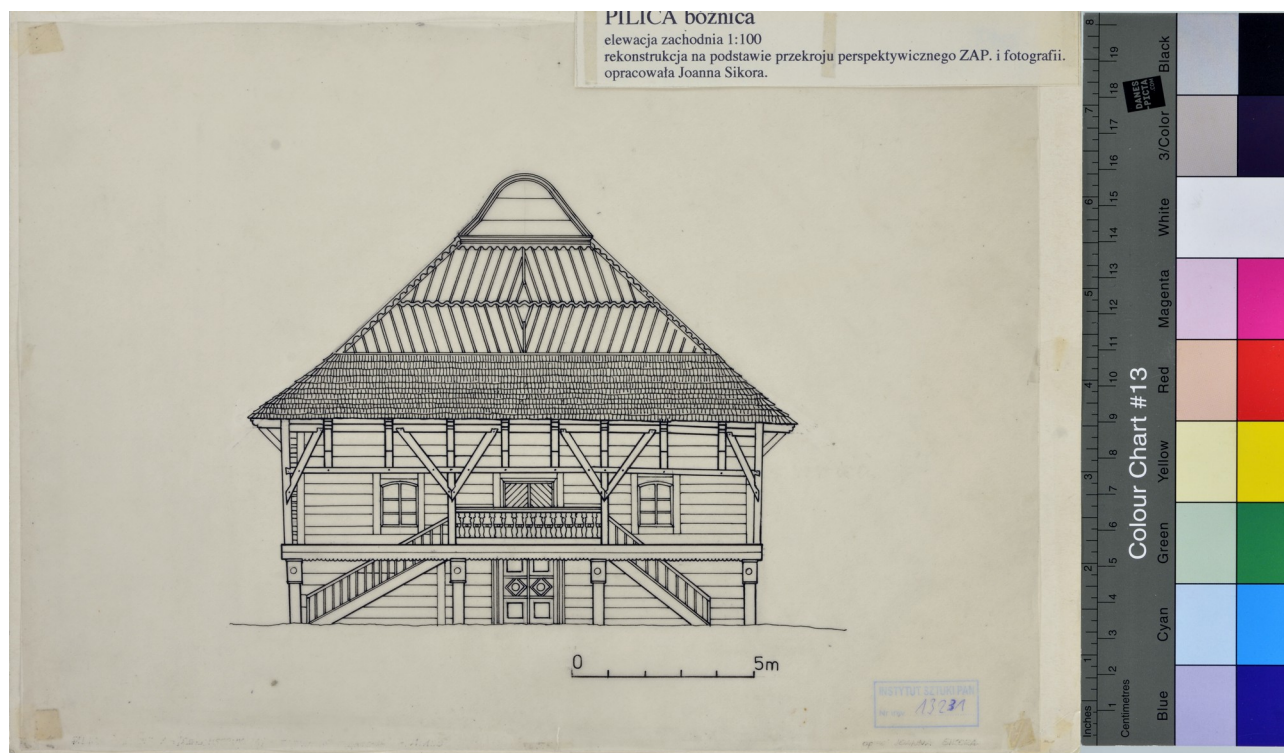


Fig. 8 008_Pilica_IS_PAN_western_elevation

Type	Survey drawing	Used as source in:
Description	Western elevation of the synagogue in Pilica.	<u>Synagogue structure</u>
Author	Joanna Sikora	Synagogue – Openings – Windows
Archive	Collections of the Institute of Art of the Polish Academy of Sciences	Synagogue – Construction – Walls
Signature	13231	Synagogue – Construction – Columns
Copyright		Synagogue – Openings – Doors
		Synagogue – Construction – Roofs
		Synagogue – Construction – Stairs
		Synagogue – Decorative – Baluster
		Synagogue – Decorative – Gable

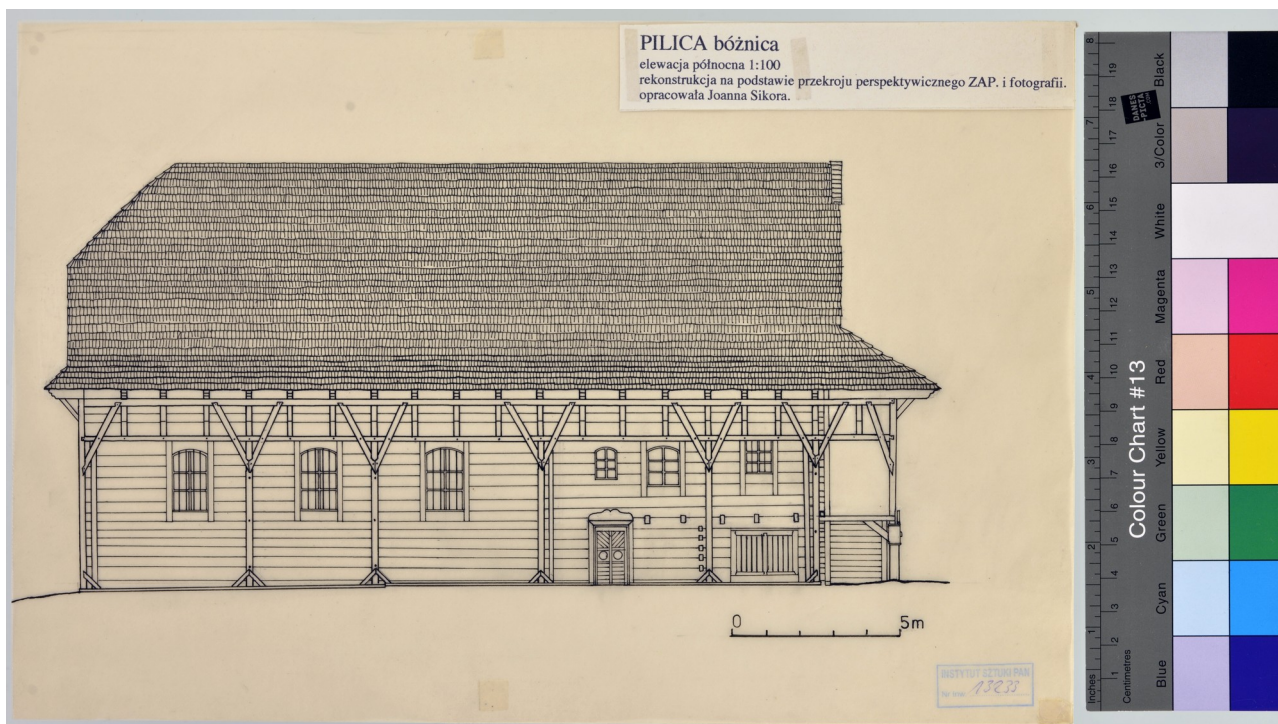


Fig. 9 009_Pilica_IS_PAN_northern_elevavtion



Fig. 10 010_Pilica_IS_PAN_perspective_view

Type Survey drawing

Description Perspective view of the synagogue in Pilica.

Author Joanna Sikora

Archive Collections of the Institute of Art of the Polish Academy of Sciences

Signature 12656

Copyright

Used as source in:

Synagogue structure

Synagogue - Construction - Columns

Synagogue - Construction - Roofs

Synagogue - Construction - Stairs

Synagogue - Decorative - Baluster

Synagogue - Decorative - Gable

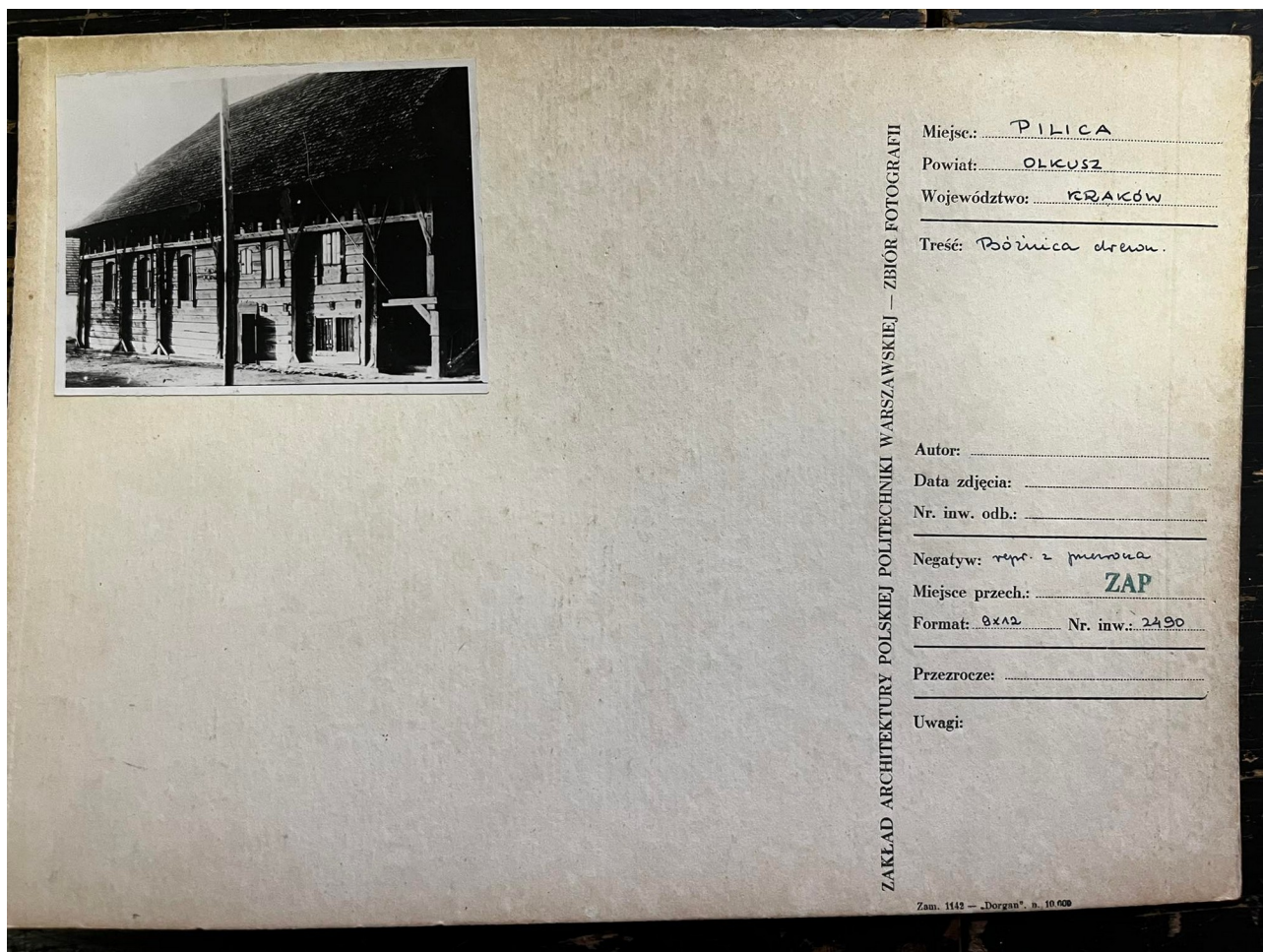


Fig. 11 001_Pilica_ZAP_northern_side

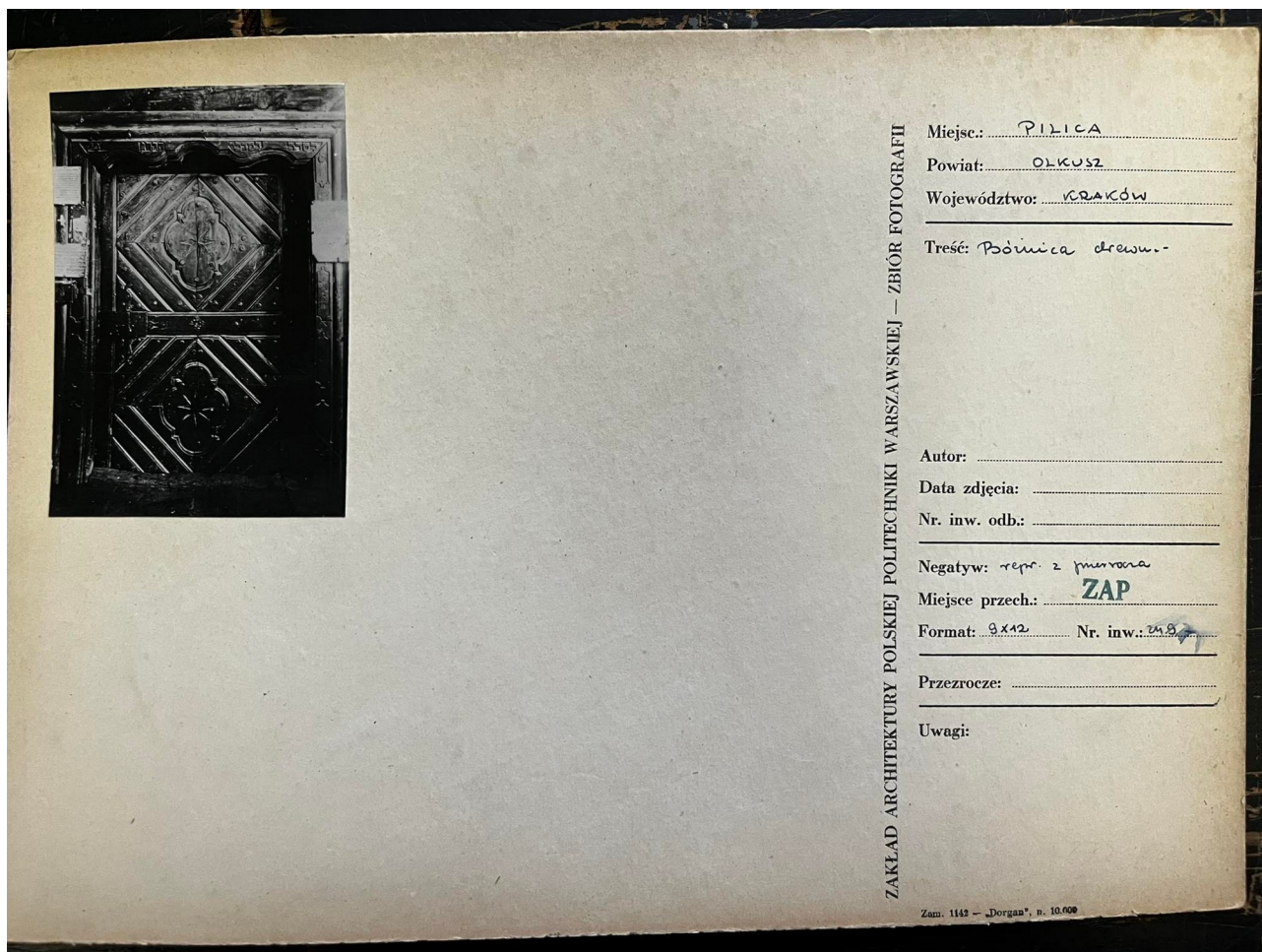


Fig. 12 002_Pilica_ZAP_interior_doors

Type Photograph

Description Photograph of the interior doors to main prayer hall in synagogue in Pilica.

Author unknown

Archive Collections of the Faculty of Architecture at the Warsaw University of Technology

Signature 2487

Copyright

Used as source in:

Synagogue structure

Synagogue – Openings – Doors

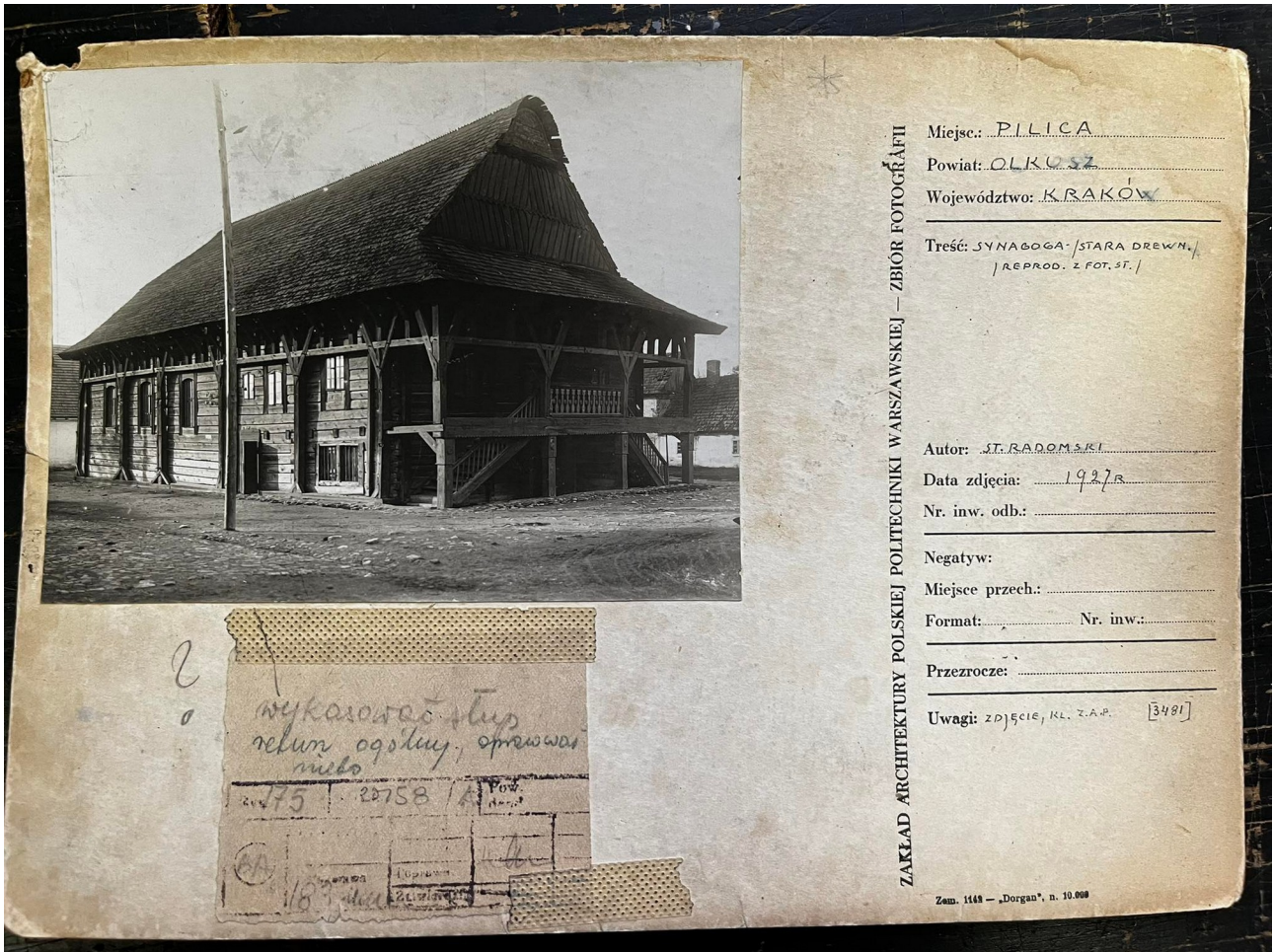


Fig. 14 003_Pilica_ZAP_perspective_view

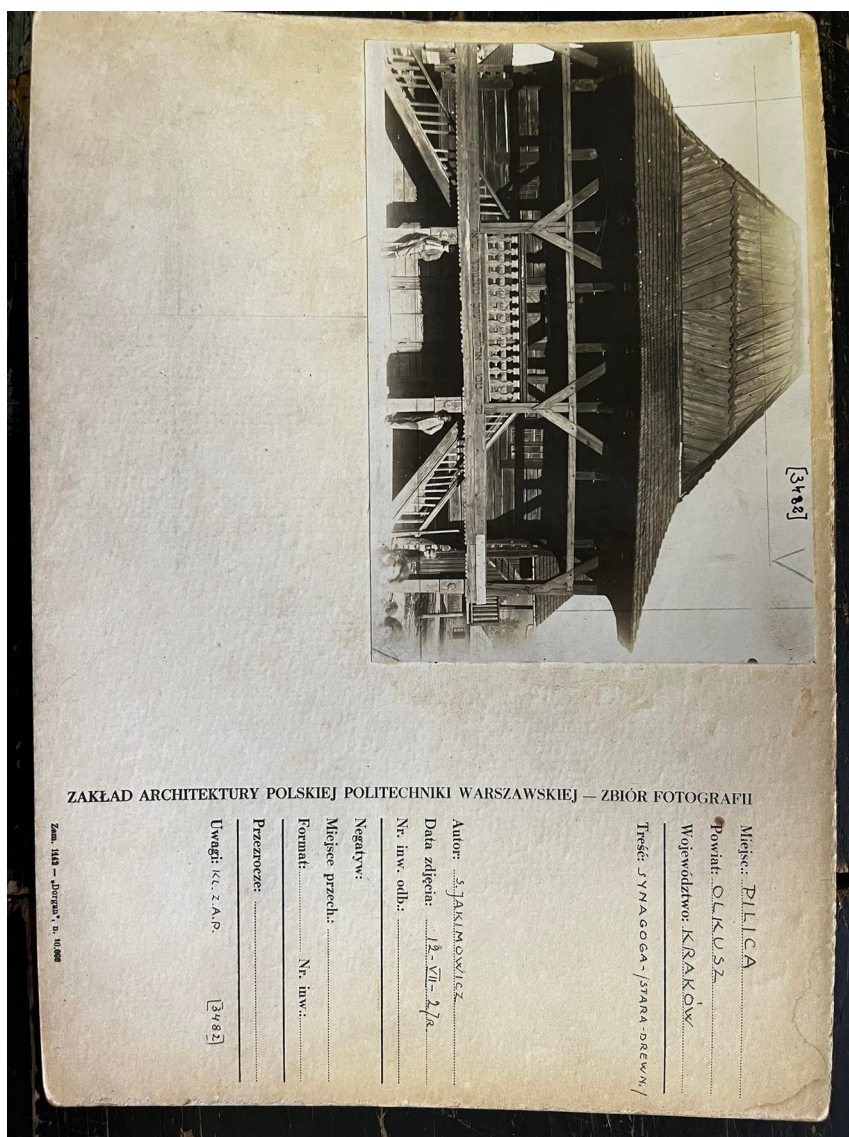


Fig. 15 004_Pilica_ZAP_western_view

Type	Photograph	Used as source in:	
Description	Photograph of the western side of the synagogue in Pilica.	Synagogue structure	Synagogue – Openings – Windows Synagogue – Construction – Walls Synagogue – Construction – Columns Synagogue – Construction – Stairs
Author	S. Jakimowicz	Synagogue – Openings – Doors	Synagogue – Openings – Doors
Archive	Collections of the Faculty of Architecture at the Warsaw University of Technology	Synagogue – Decorative – Baluster	Synagogue – Decorative – Baluster
Signature	3482	Synagogue – Decorative – Gable	Synagogue – Decorative – Gable
Copyright			



Fig. 17 001_Pilica_JuraPilica_perspective_view_01



Fig. 18 002_Pilica_JuraPilica_perspective_view_02

Type Photograph

Description Photograph of the perspective view of the synagogue in Pilica.

Author unknown

Archive

Signature

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www.jura-pilica.com

Used as source in:

Synagogue structure

Synagogue – Construction – Walls



Fig. 19 003_Pilica_JuraPilica_perspective_view_03

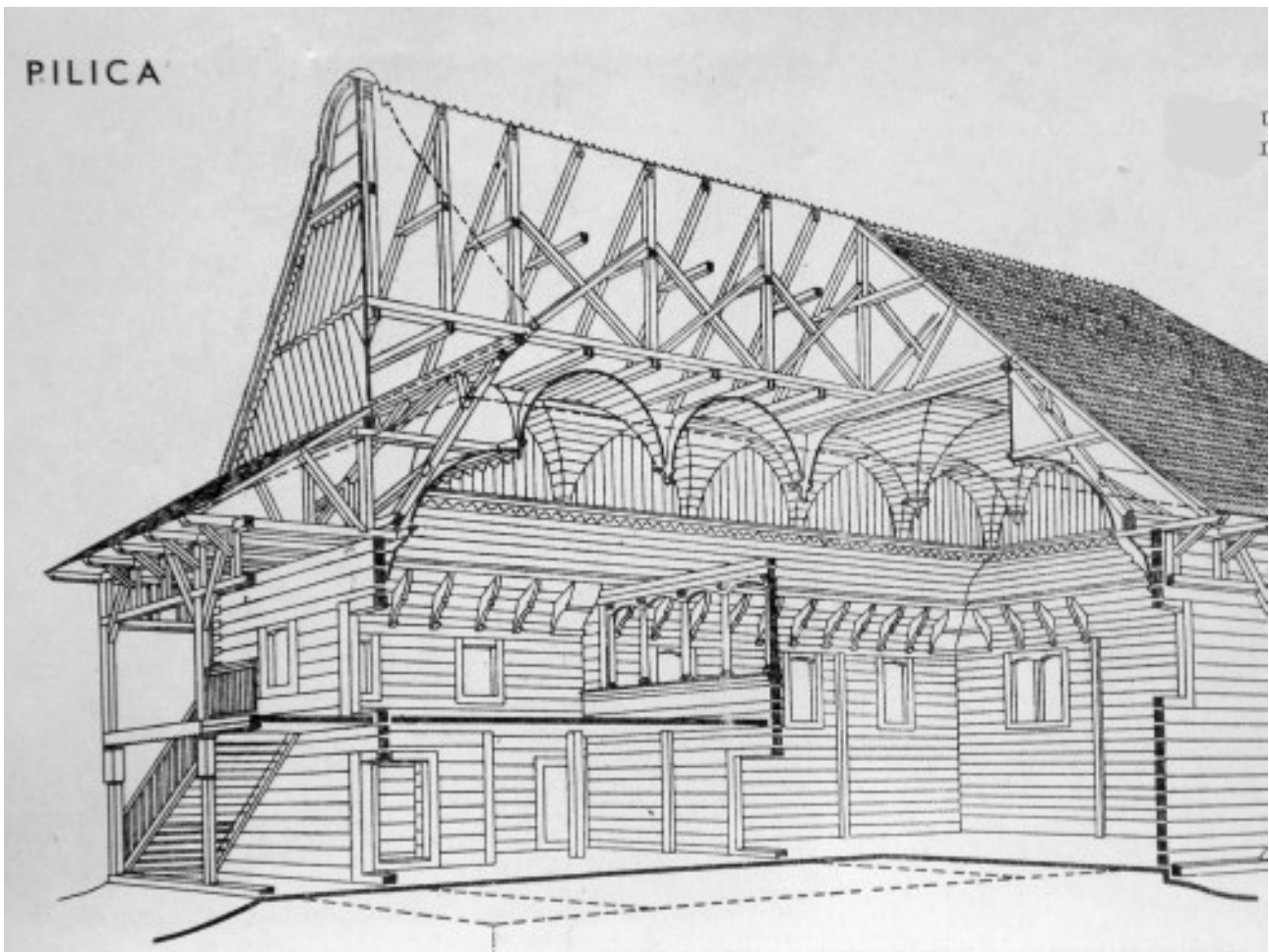


Fig. 20 004_Pilica_JuraPilica_perspective_cross_section

Type	Survey drawing	Used as source in:
Description	Perspective cross section of the synagogue in Pilica.	<u>Synagogue structure</u>
Author	unknown	Synagogue - Construction - Columns
Archive		Synagogue - Construction - Roof truss
Signature		Synagogue - Construction - Ceilings
Copyright	Copyright © 2009-2015 www.jura-pilica.com	



Fig. 33 001_Pilica_HUJI_interior_01



Fig. 34 002_Pilica_HUJI_perspective_view_01

Type Photograph

Description Photograph of the south-western elevation of the synagogue in Pilica.

Author Szymon Zajczyk

Archive

Signature 198496

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Used as source in:

Synagogue structure

Synagogue - Construction - Walls



Fig. 35 003_Pilica_HUJI_interior_02



Fig. 36 004_Pilica_HUJI_interior_03

Type Photograph

Description Photograph of the interior of the synagogue in Pilica, depicting women's gallery.

Author Szymon Zajczyk

Archive

Signature 174279

Copyright Institute of Art of the Polish Academy of Sciences (IS PAN)

Used as source in:

Synagogue structure

Synagogue – Construction – Columns



Fig. 37 005_Pilica_HUJI_interior_04

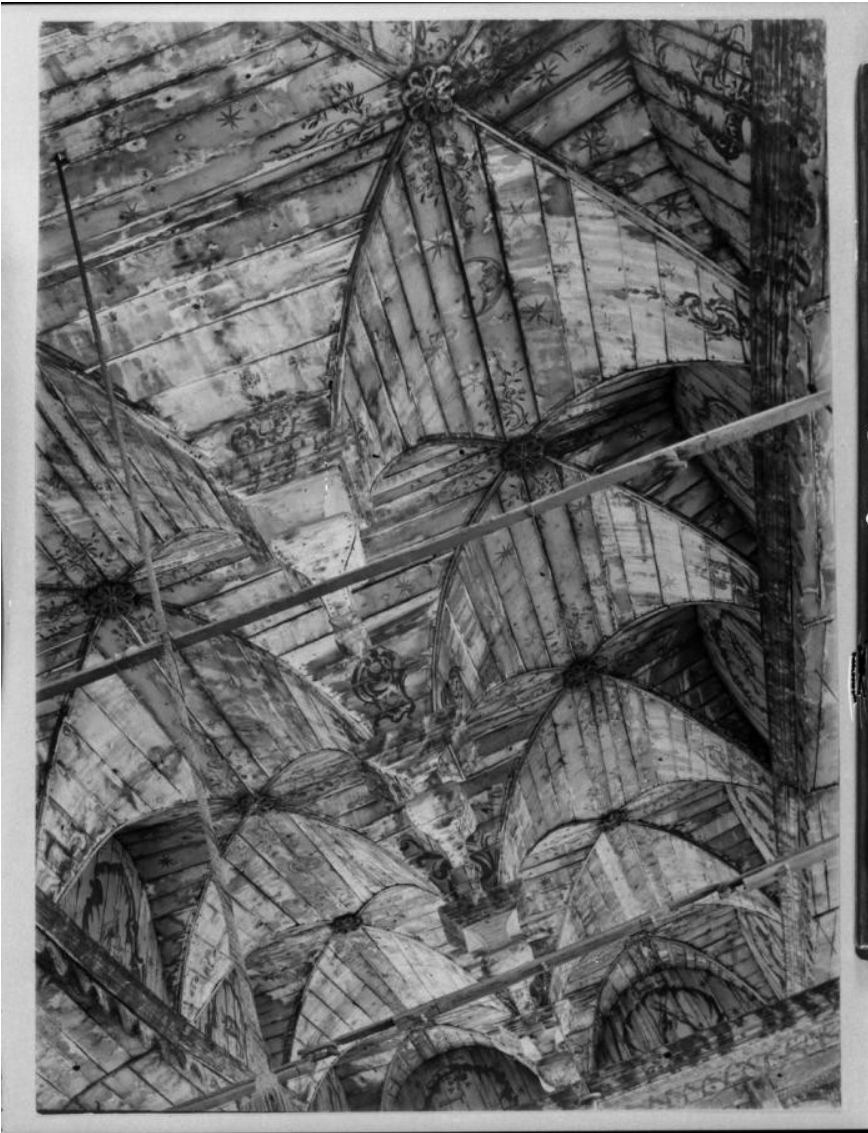


Fig. 38 006_Pilica_HUJI_interior_05

Type Photograph

Description Photograph of the interior of the synagogue in Pilica, depicting vaulted ceiling.

Author Szymon Zajczyk

Archive

Signature 159673

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Used as source in:

Synagogue structure

Synagogue – Construction – Vault



Fig. 39 007_Pilica_HUJI_interior_06



Fig. 41 012_Pilica_IS_PAN_aron_hakodesh

Type	Photograph	Used as source in:
Description	Photograph of the aron hakodesh inside synagogue in Pilica.	Synagogue structure Synagogue – Judaica – Aron hakodesh
Author	Konrad Kłos	
Archive		
Signature	2535	
Copyright	Institute of Art of the Polish Academy of Sciences (IS PAN)	



Fig. 54 001_Pilica_Fotopolska_perspective_view_01

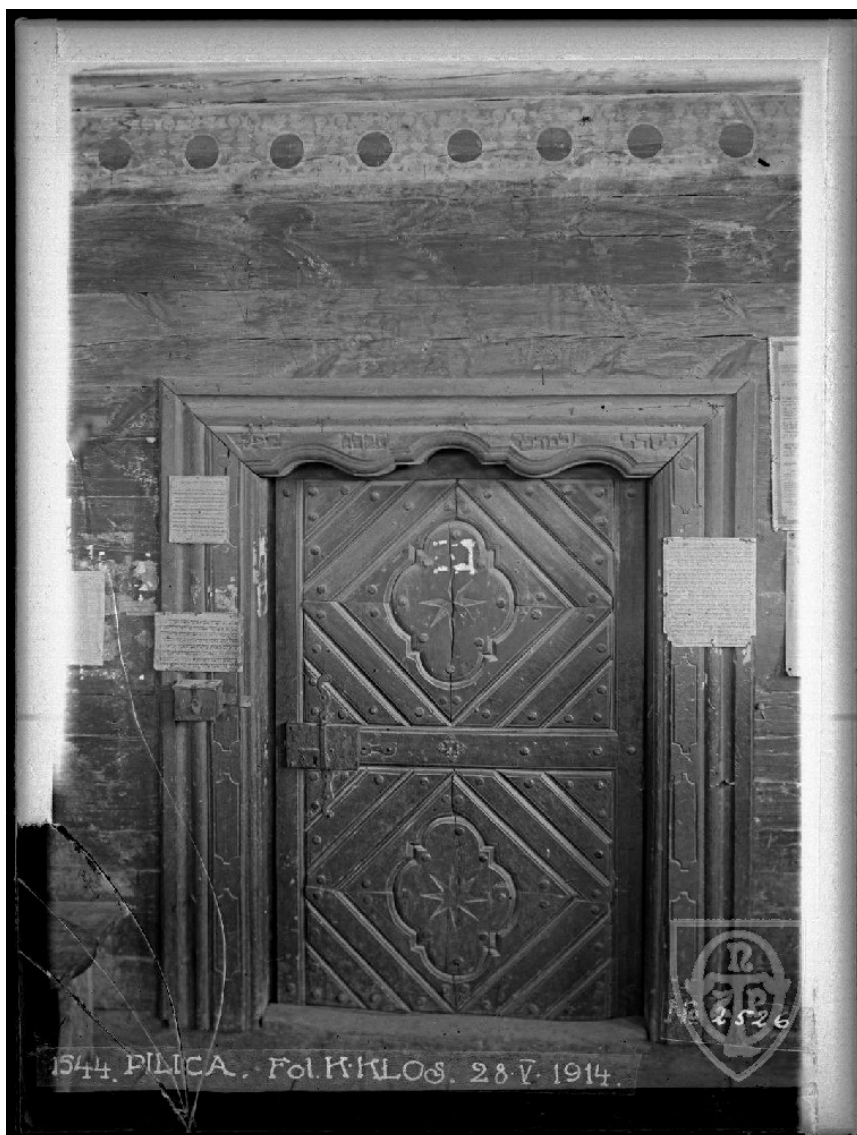


Fig. 61 002_Pilica_Fotopolska_interior_doors

Type	Photograph	Used as source in:
Description	Photograph of the interior doors of the synagogue in Pilica.	<u>Synagogue structure</u>
Author	Konrad Kłós	Synagogue – Openings – Doors
Archive		
Signature	2526	
Copyright	Society for the Care of Monuments	



Fig. 66 003_Pilica_Fotopolska_perspective_view_02



Fig. 100 013_Pilica_IS_PAN_perspective_view

Type Photograph

Description Photography of the perspective view of the synagogue in Pilica.

Author Szymon Zajczyk

Archive

Signature

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Used as source in:

Synagogue structure

Synagogue - Openings - Doors

Synagogue - Openings - Windows

Synagogue - Construction - Stairs

Synagogue - Construction - Walls

Synagogue - Decorative - Baluster

Synagogue - Decorative - Gable

