



# Vilshofen 1205: Stadtplanung und Kirchenorientierung

Ergebnis einer städtebaulichen und astronomischen Untersuchung

Erwin Reidinger



Stadtplanung

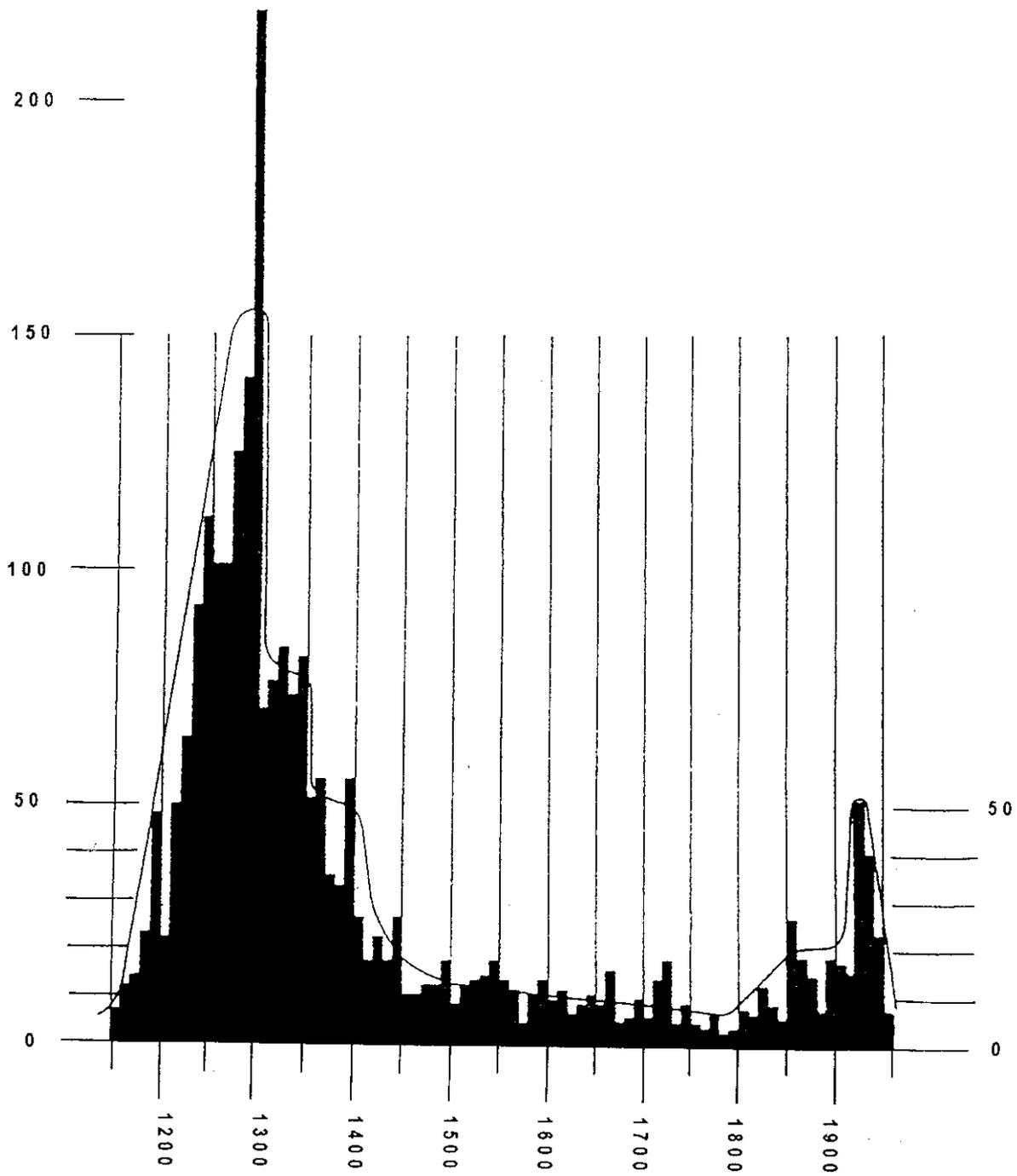
Donau

X

Kirchenorientierung

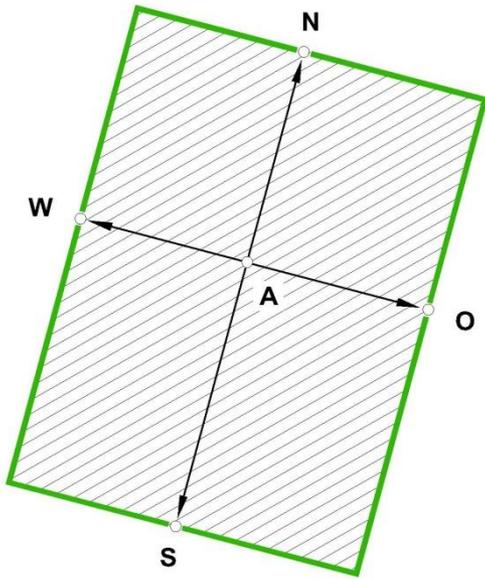
Vils

Altsiedlung



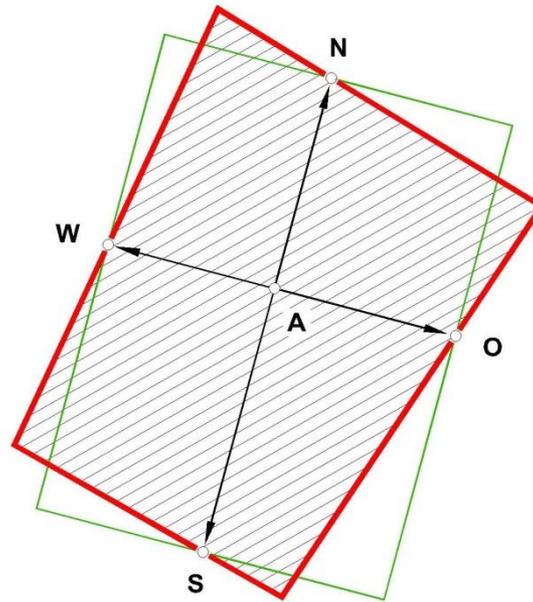
# Städtebauliche Planungsregeln

Erwin Reidinger



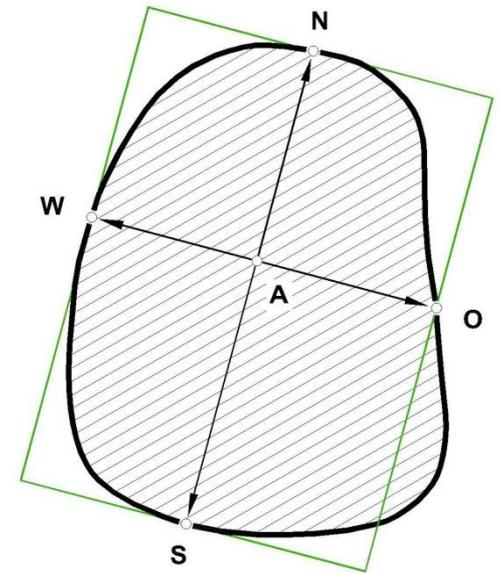
Fall 1:

Grundrechteck



Fall 2:

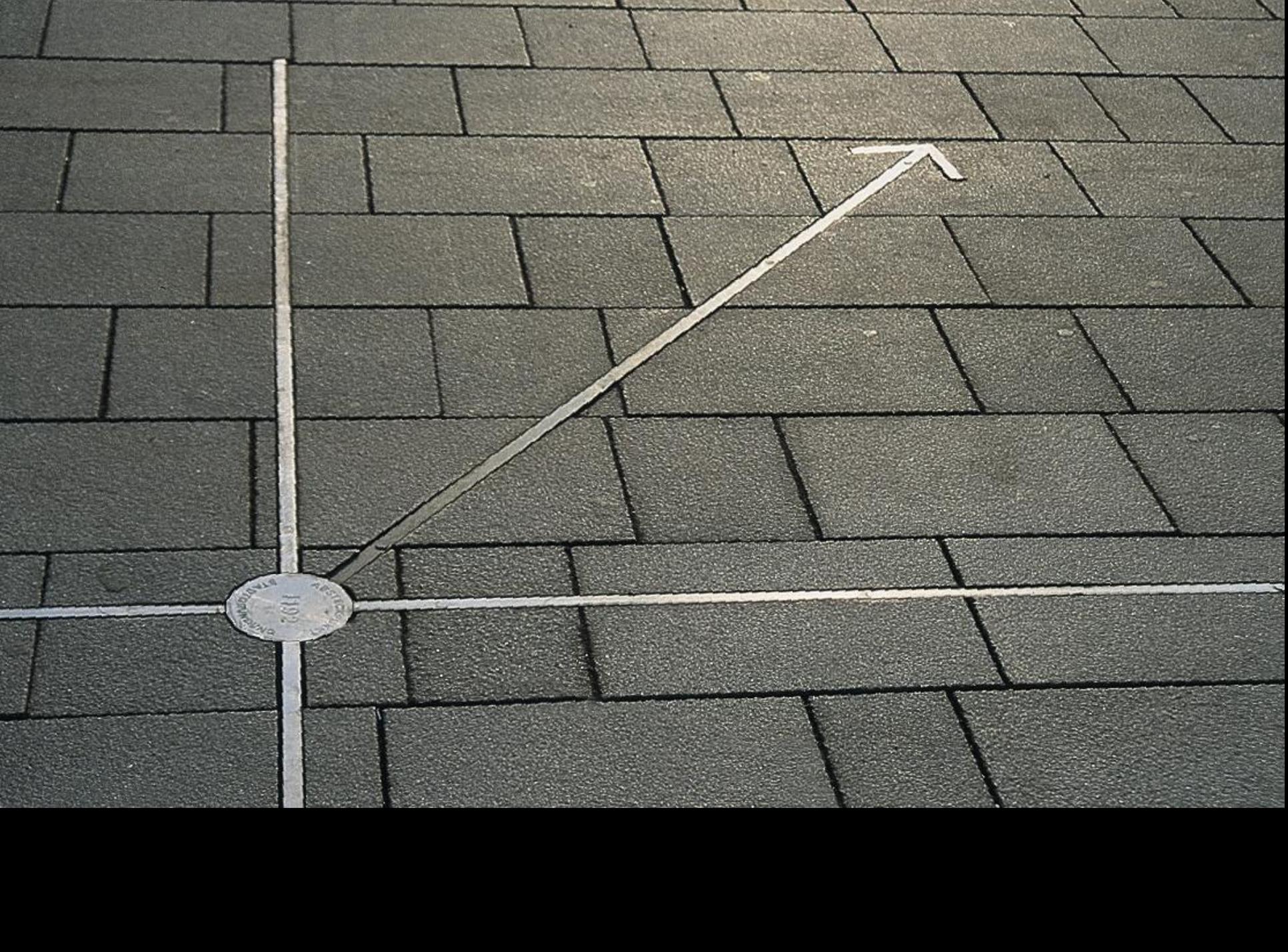
geradlinige Abweichung



Fall 3:

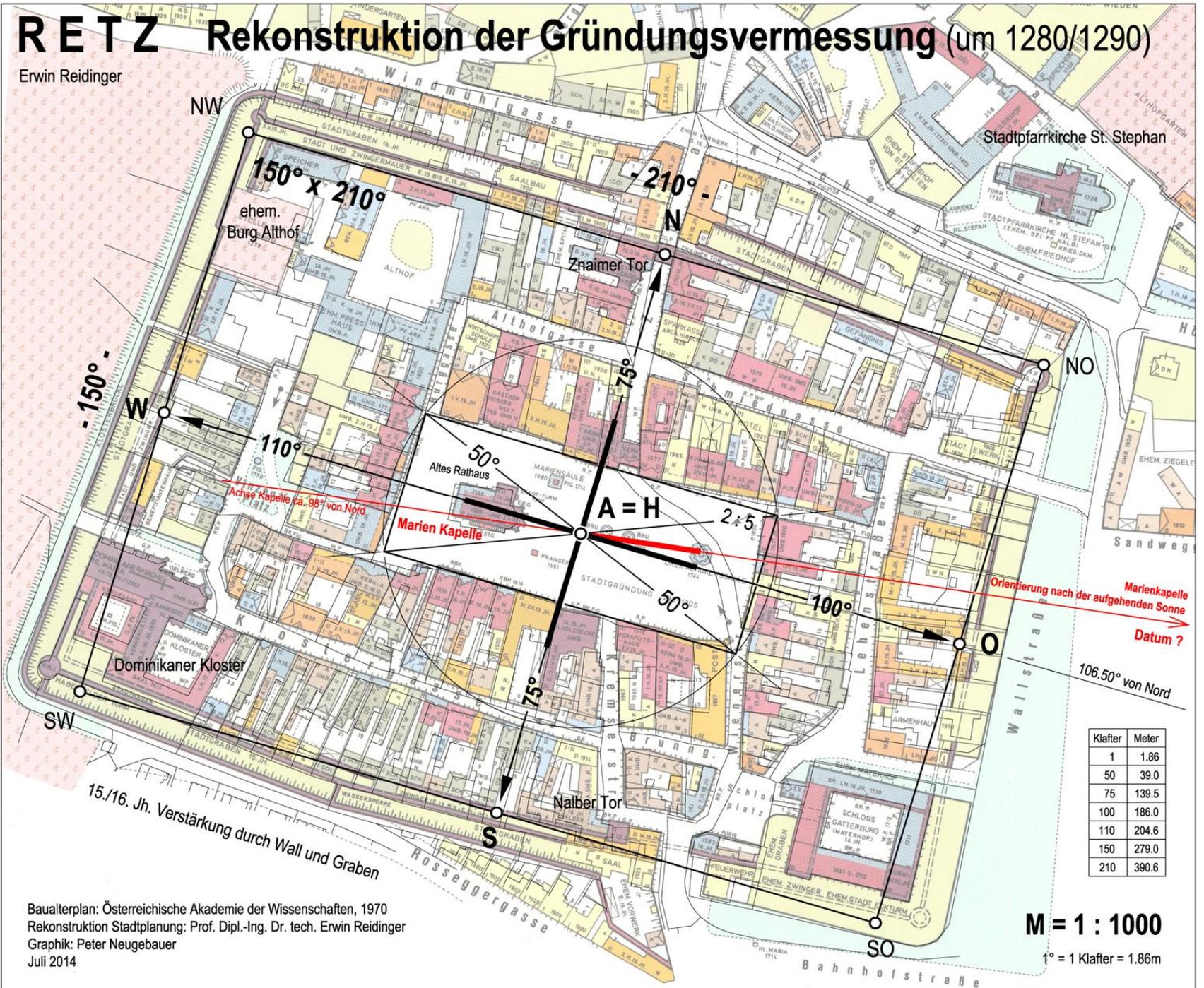
krummlinige Abweichung





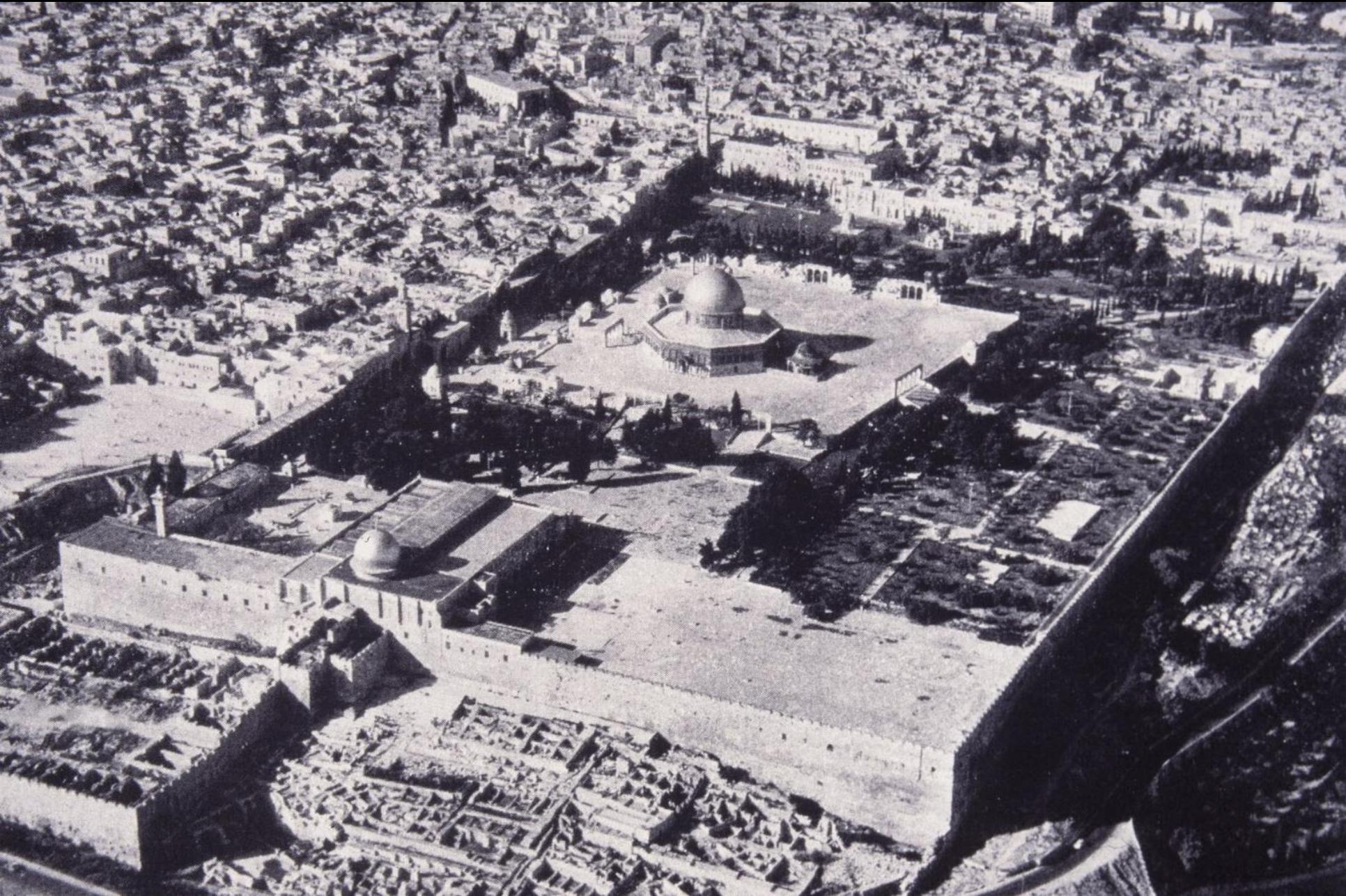
# RETZ Rekonstruktion der Gründungsvermessung (um 1280/1290)

Erwin Reidinger

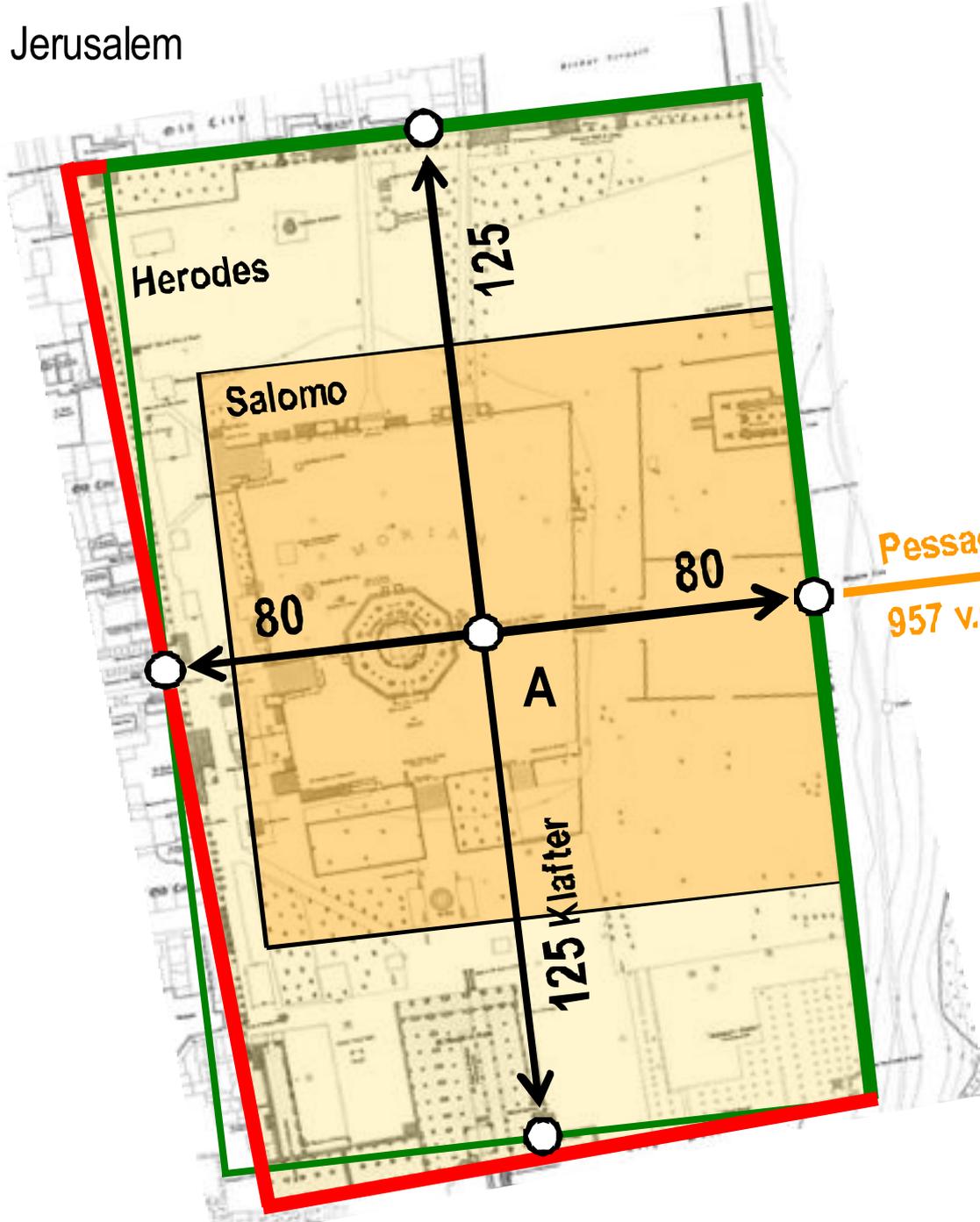


Baualterplan: Österreichische Akademie der Wissenschaften, 1970  
 Rekonstruktion Stadtplanung: Prof. Dipl.-Ing. Dr. tech. Erwin Reidinger  
 Graphik: Peter Neugebauer  
 Juli 2014

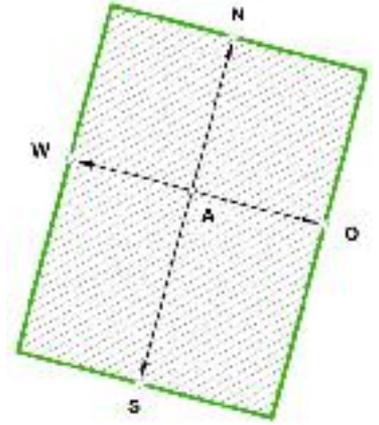
# Jerusalem



# Jerusalem



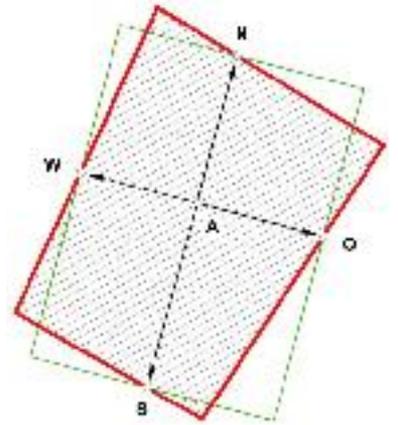
Fall 1

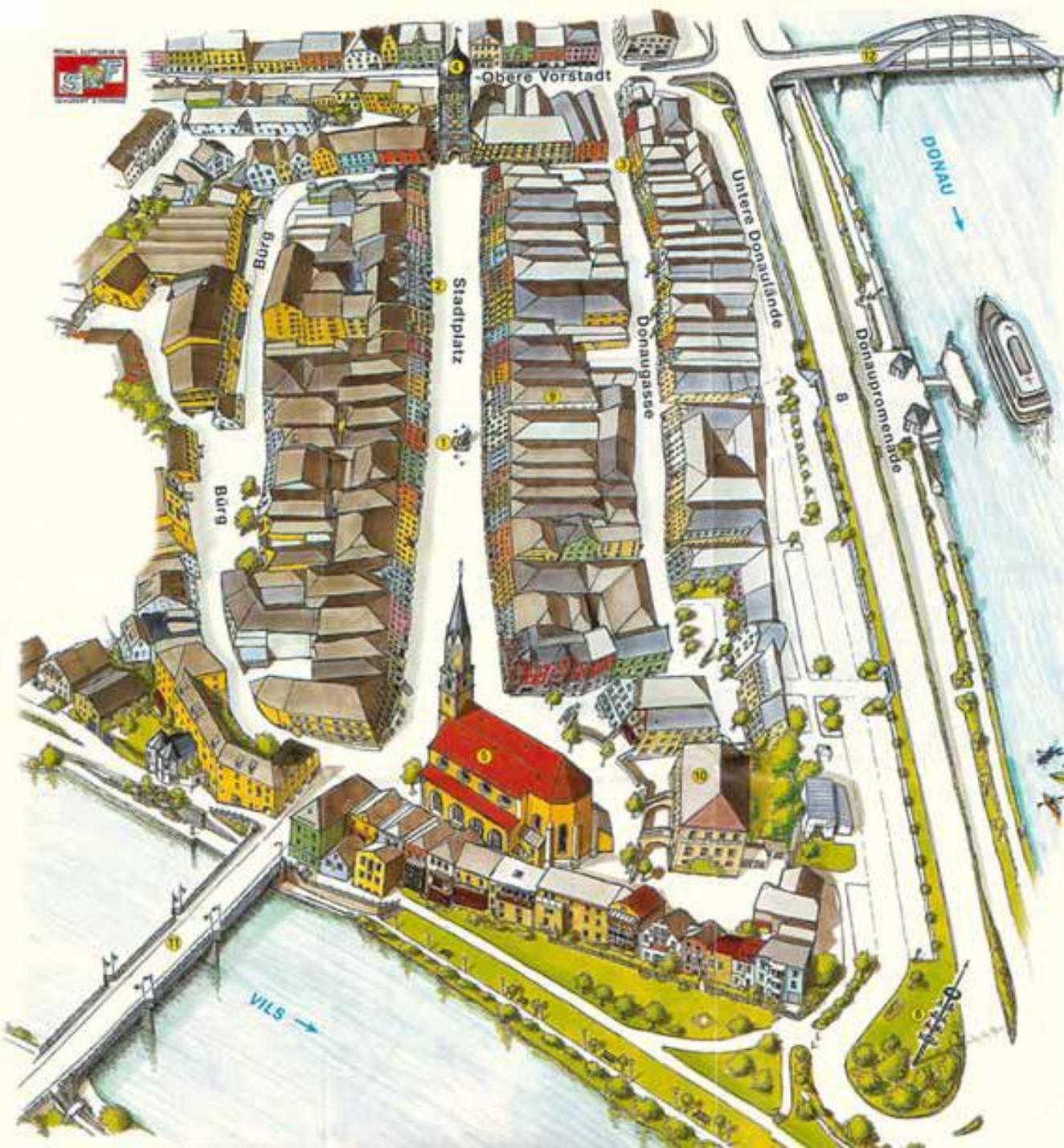


Pessach  
957 v.Chr.



Fall 2





Obere Vorstadt

Stadtplatz

Untere Donaulände

Donaugasse

Bürg

Bürg

DONAU

Donaupromenade

VILS



TURM

↑ Stadtmite  
Passau 23 km  
Titting 25 km  
← Eging 14 km  
Aidenbach 14 km  
Aidersbach 11 km  
Schweikberg →







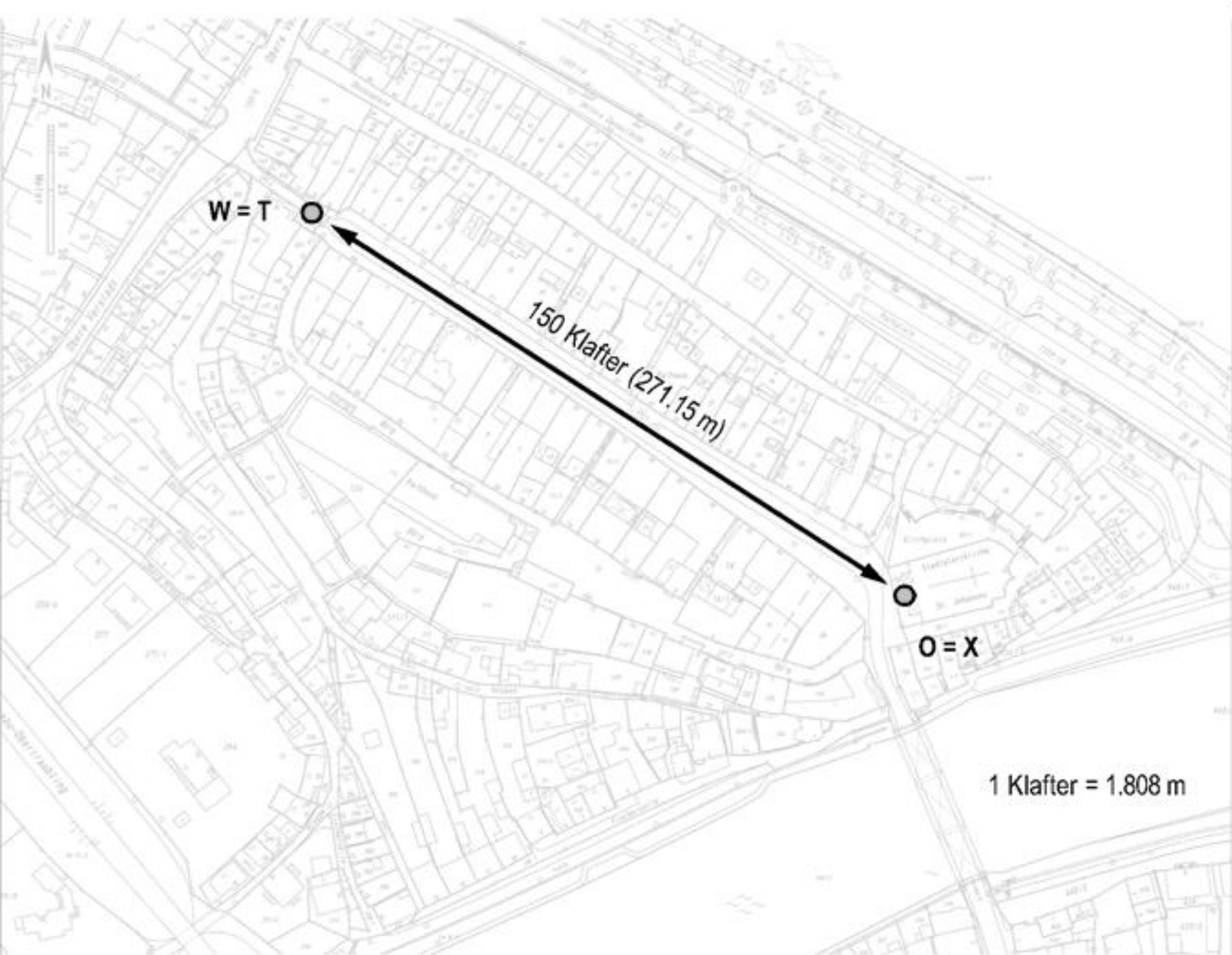


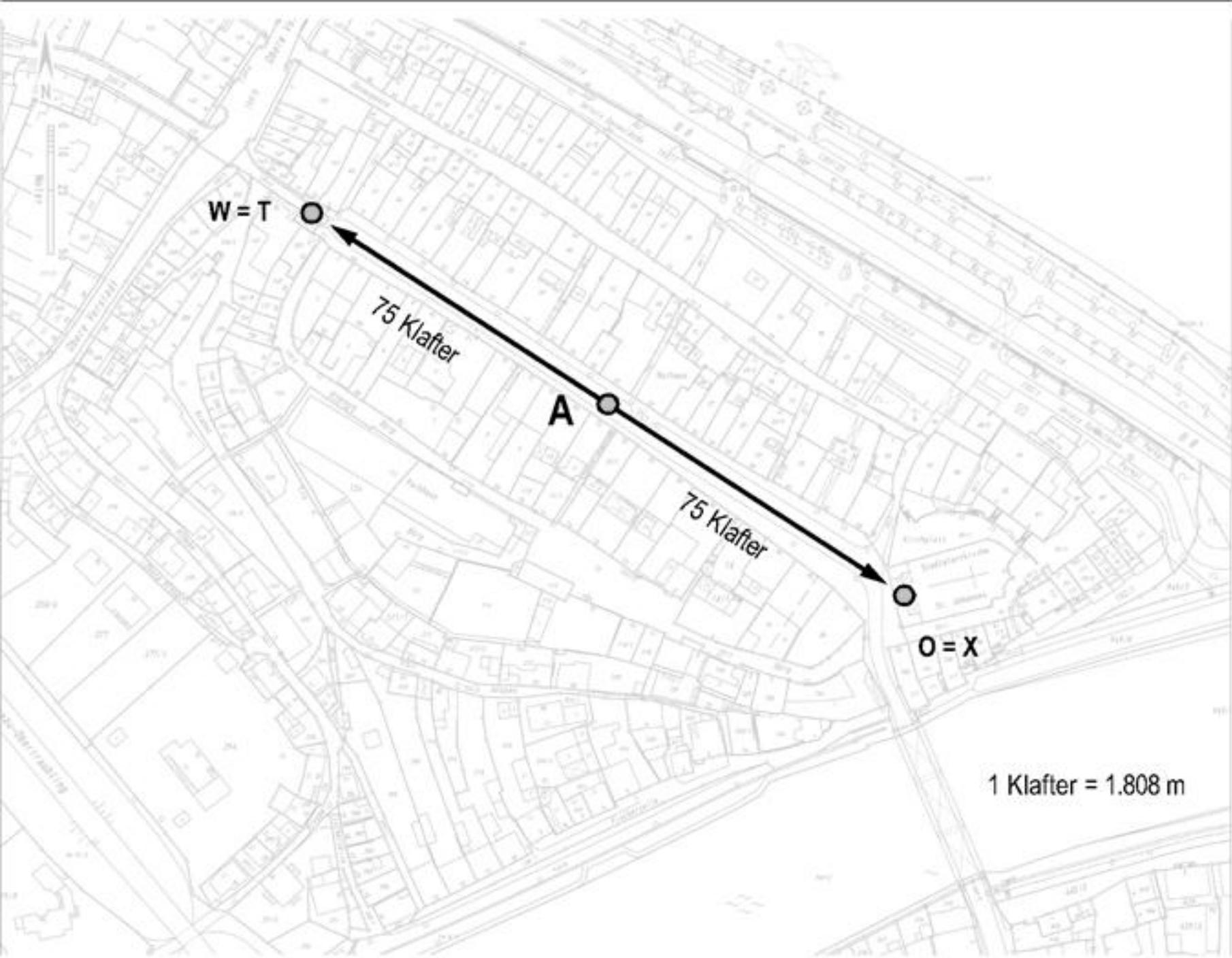
P  
Eltern mit Kind  
&  
Frauenparkplätze

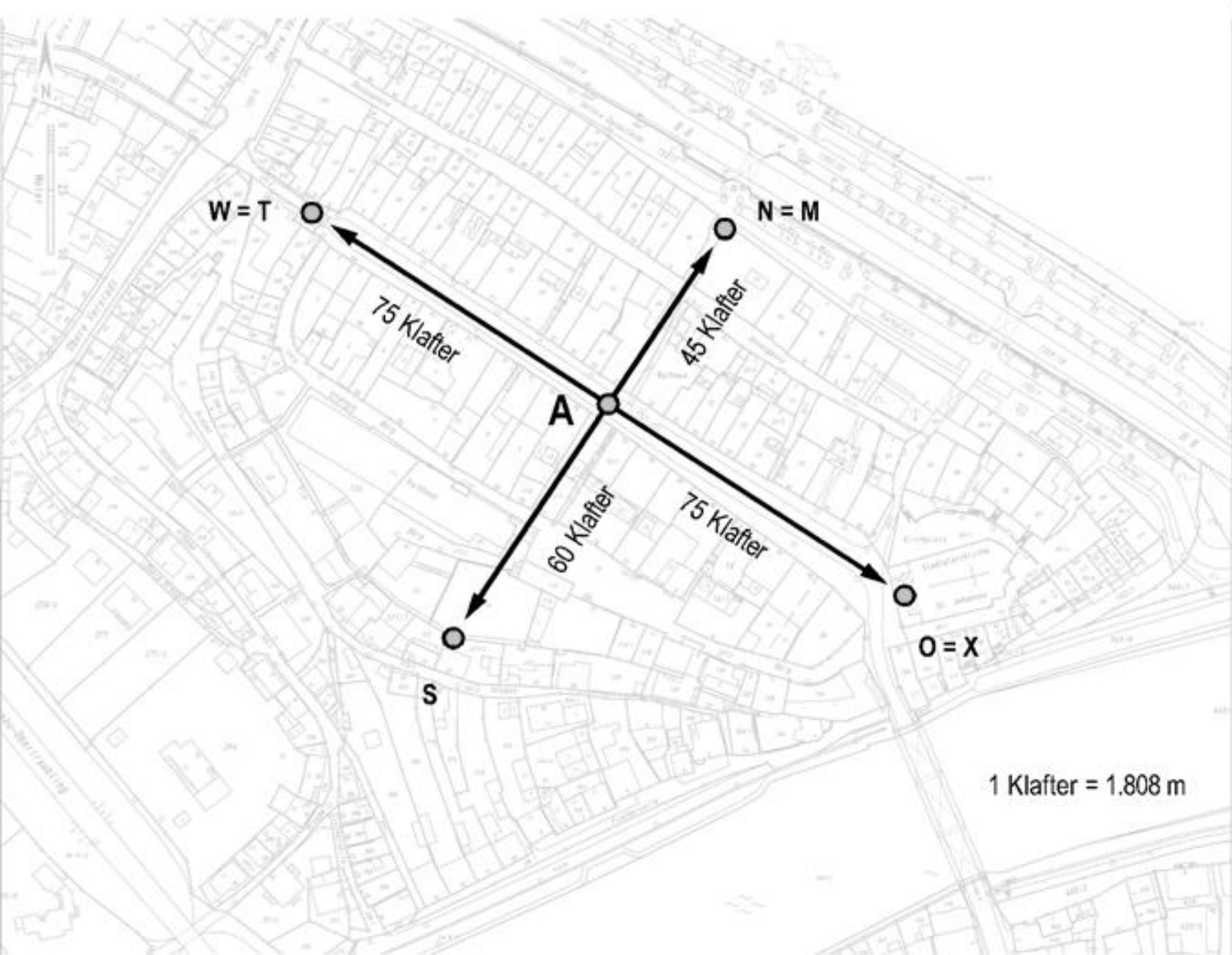
P

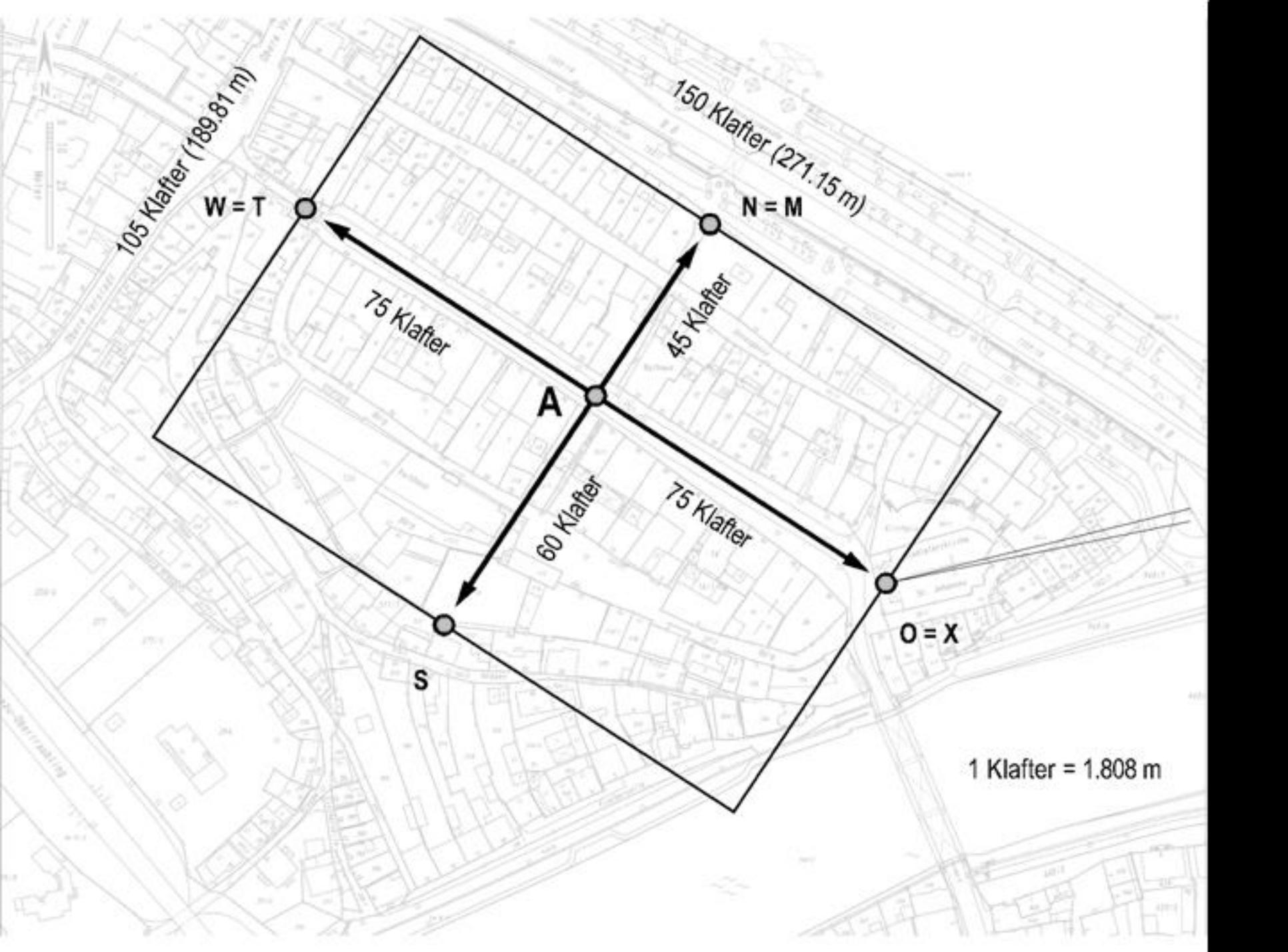














105 Klafter (189.81 m)

W = T

150 Klafter (271.15 m)

N = M

75 Klafter

45 Klafter

A

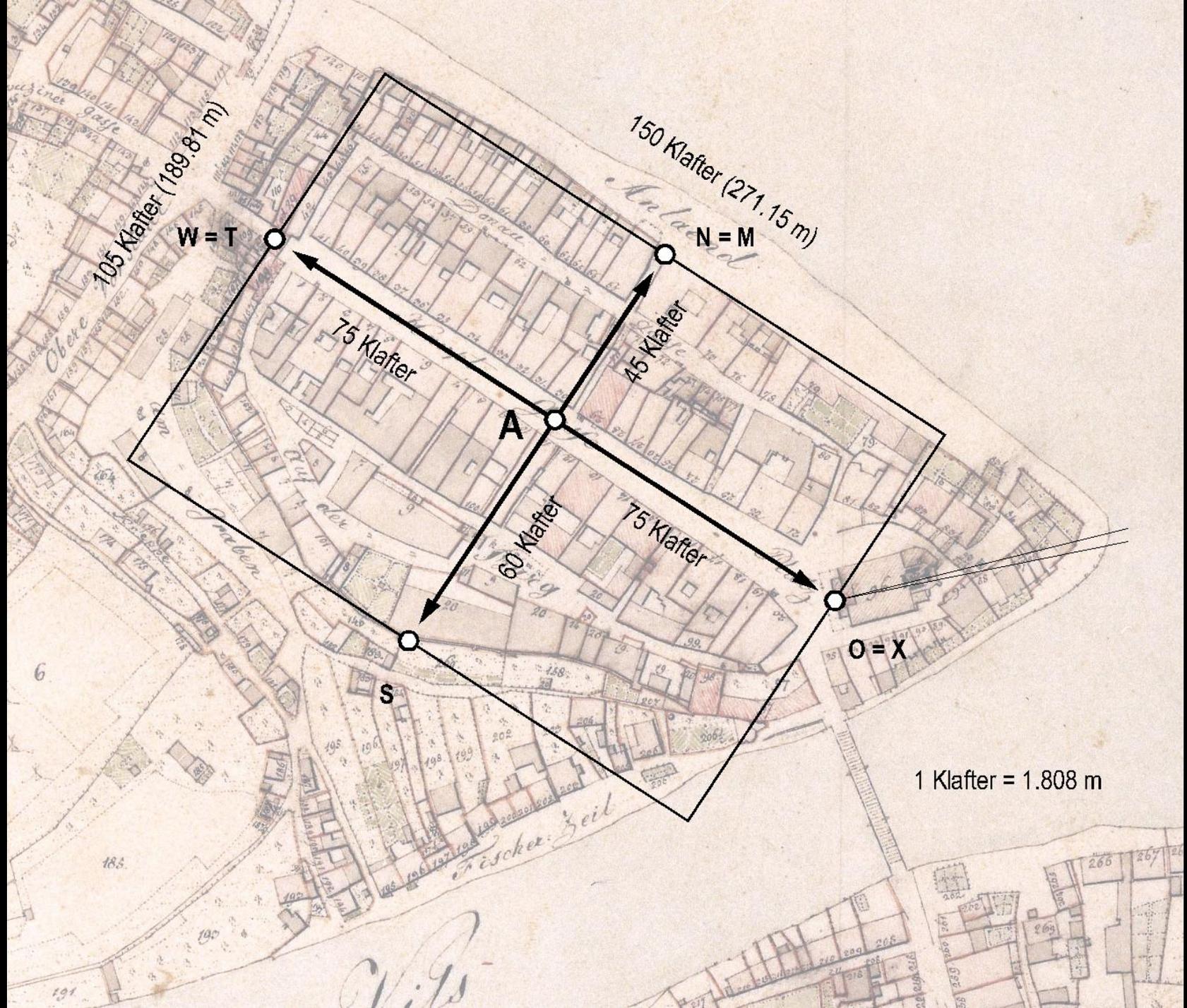
60 Klafter

75 Klafter

S

O = X

1 Klafter = 1.808 m



105 Klafter (189.81 m)

W=T

150 Klafter (271.15 m)

N=M

75 Klafter

45 Klafter

A

60 Klafter

75 Klafter

S

O=X

1 Klafter = 1.808 m

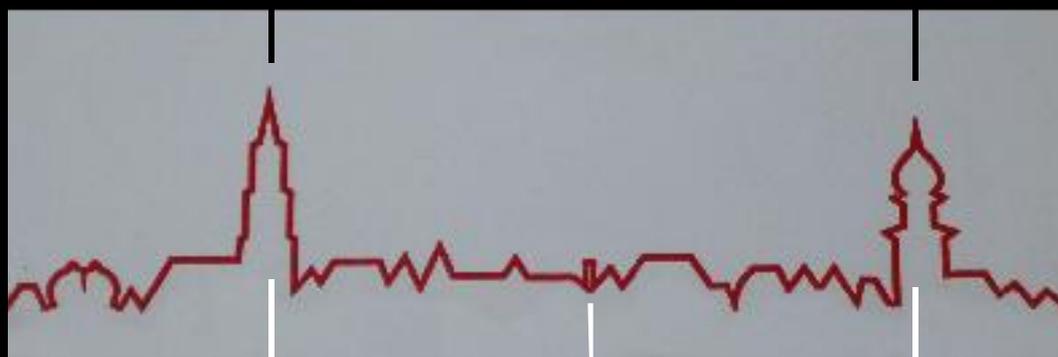








A (4 587 605.37 / 5 389 130.99) GK-Koordinaten



X

- 1/2 -

A

- 1/2 -

T



Donau

Stadtplanung

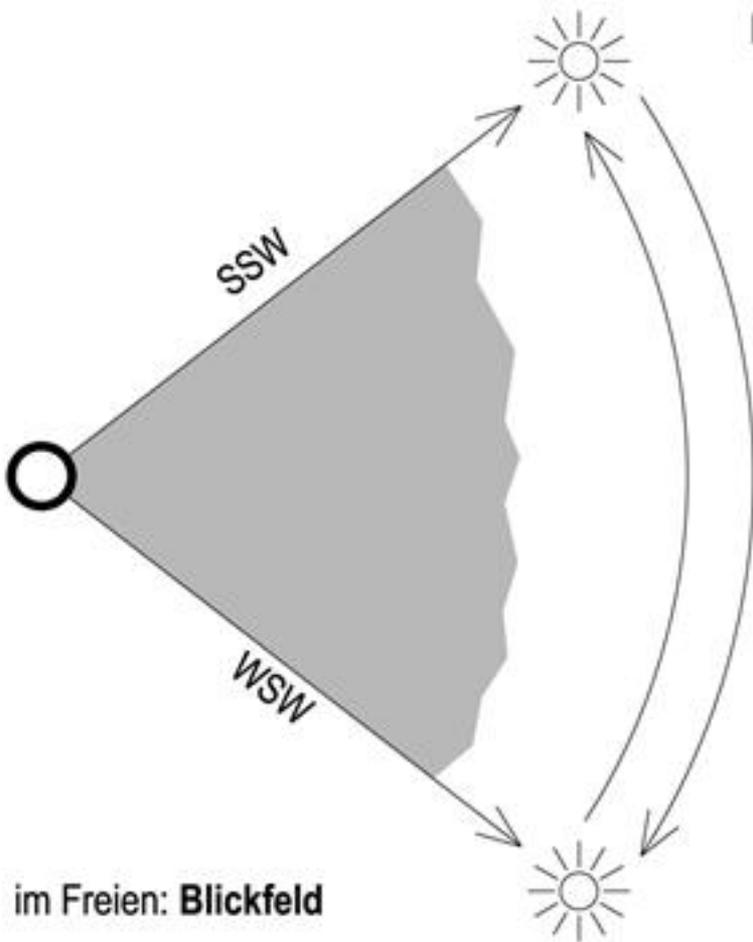
X

Kirchenorientierung

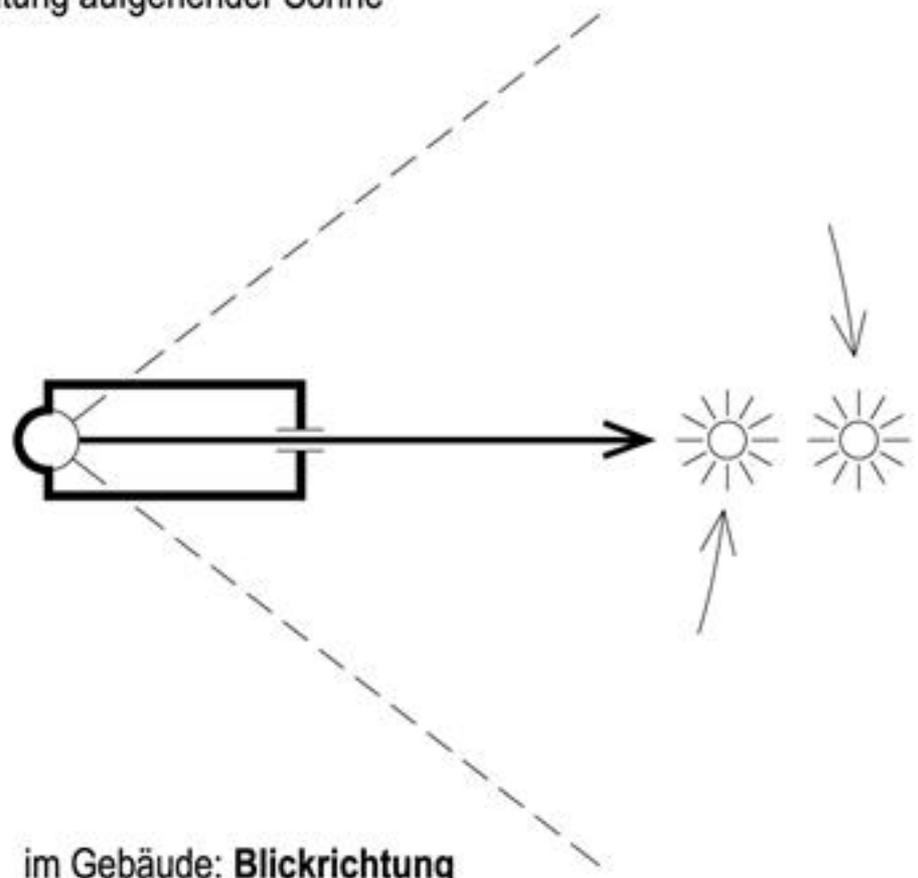
Vils

Altsiedlung

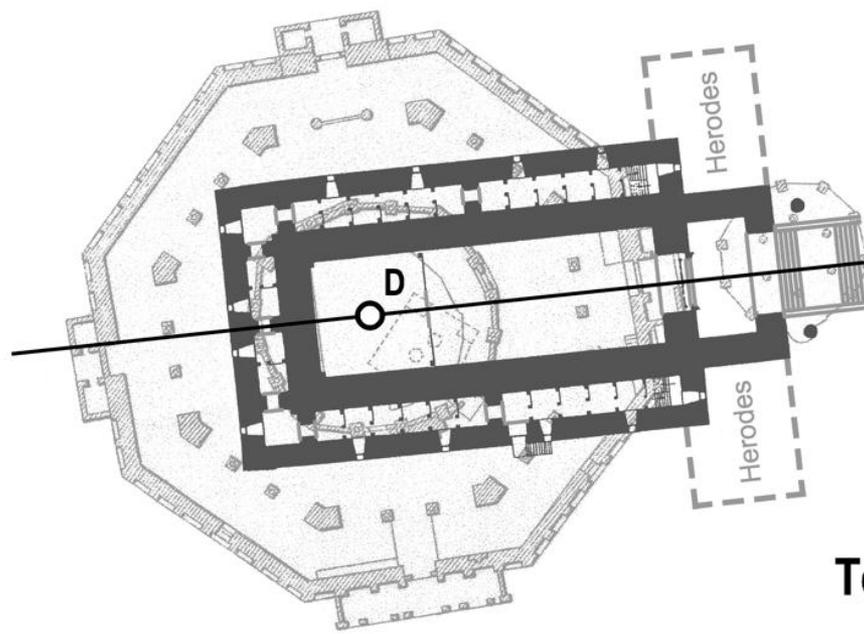
Beten in Richtung aufgehender Sonne



im Freien: **Blickfeld**



im Gebäude: **Blickrichtung**



**Orientierungstag:**

(Sonnenaufgang)

**15. Nissan (18. April) 957 v. Chr.**

Frühlingsvollmond (später Pessach)

**Tempel Salomos 957 v.Chr.**

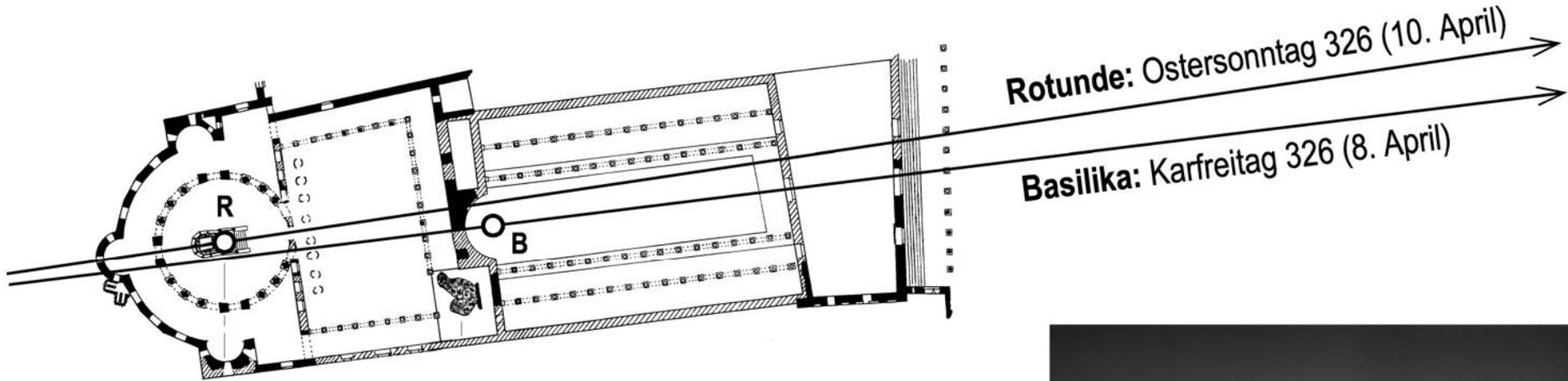
Erwin Reidinger

# Grabeskirche in Jerusalem 326

Erwin Reidinger

Orientierungstage:

(Sonnenaufgänge)



Rotunde: Ostersonntag 326 (10. April)

Basilika: Karfreitag 326 (8. April)

Heiliges Grab

Golgota

Propyläen

Rotunde  
Anastasis

zentrales  
Atrium

Basilika  
Martyrium

östliches  
Atrium





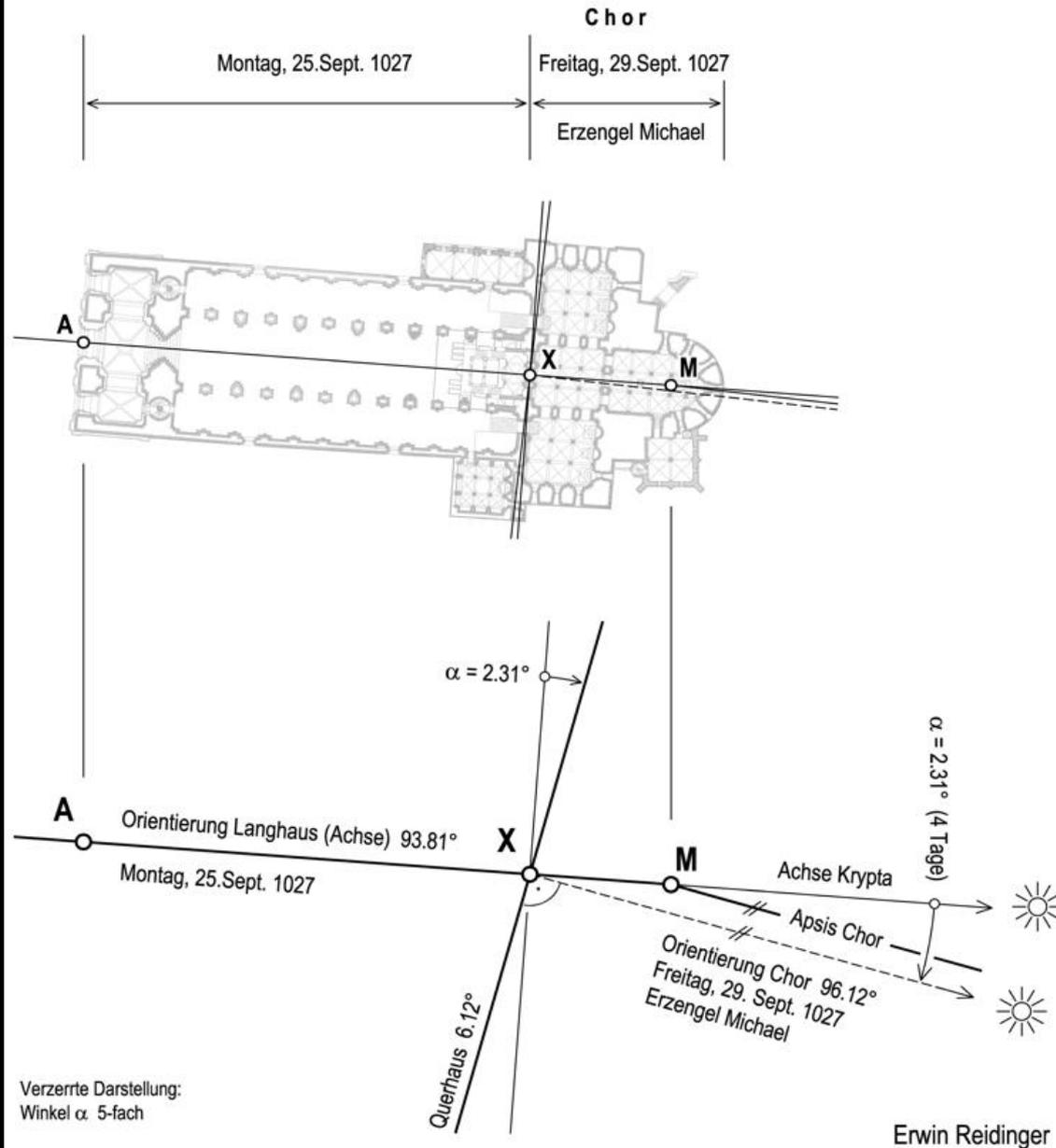


CH LH



# 1027: Gründung des Speyerer Doms

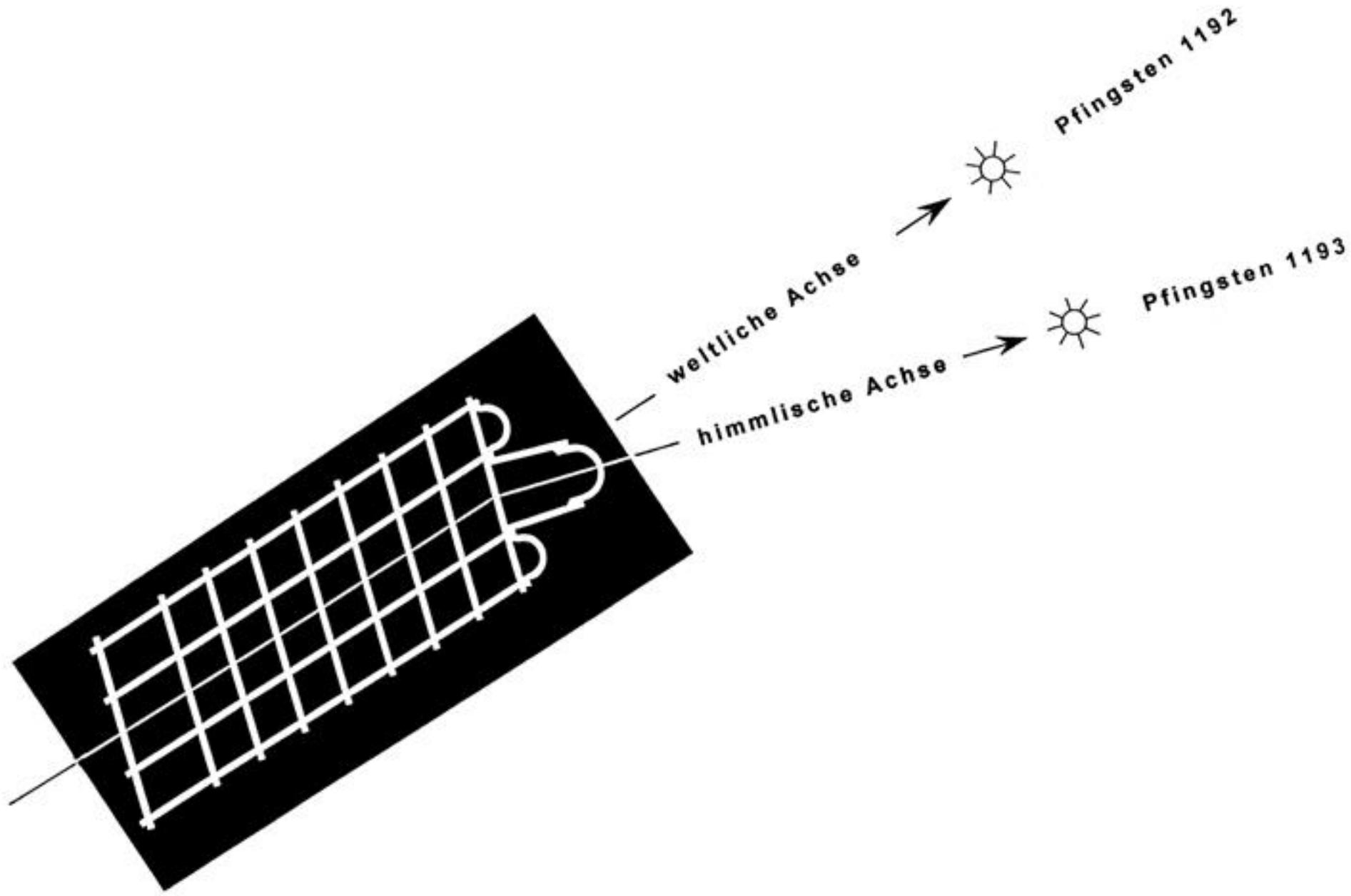
## Orientierungstage

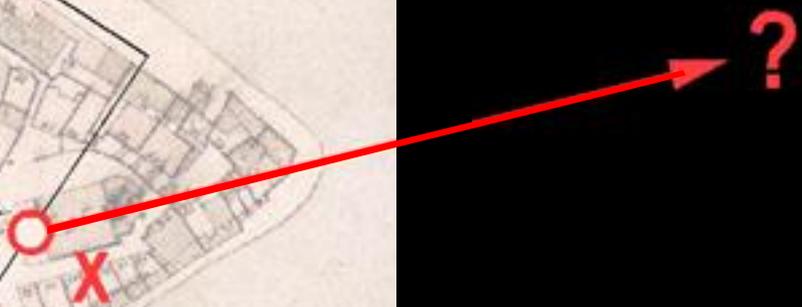
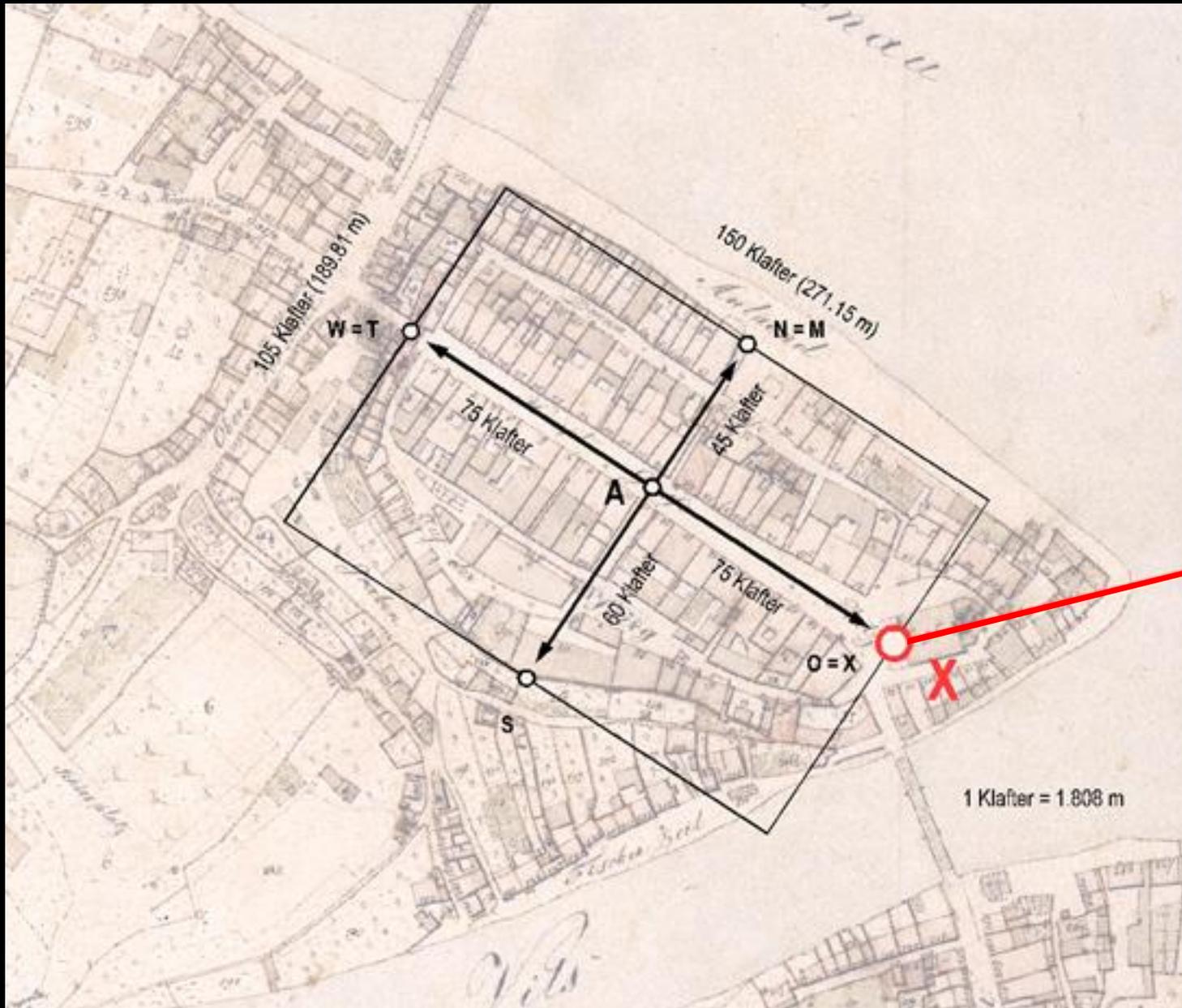




LH | CH









|  
X





83/1

Kirchplatz

Stadtpfarrkirche

St. Johannes

1760(8)

103

1763(8)

1757(8)

10

1755(8)

365(8)

362(8)

21

zu 95/2

83/1

19

18

17

16

98

15

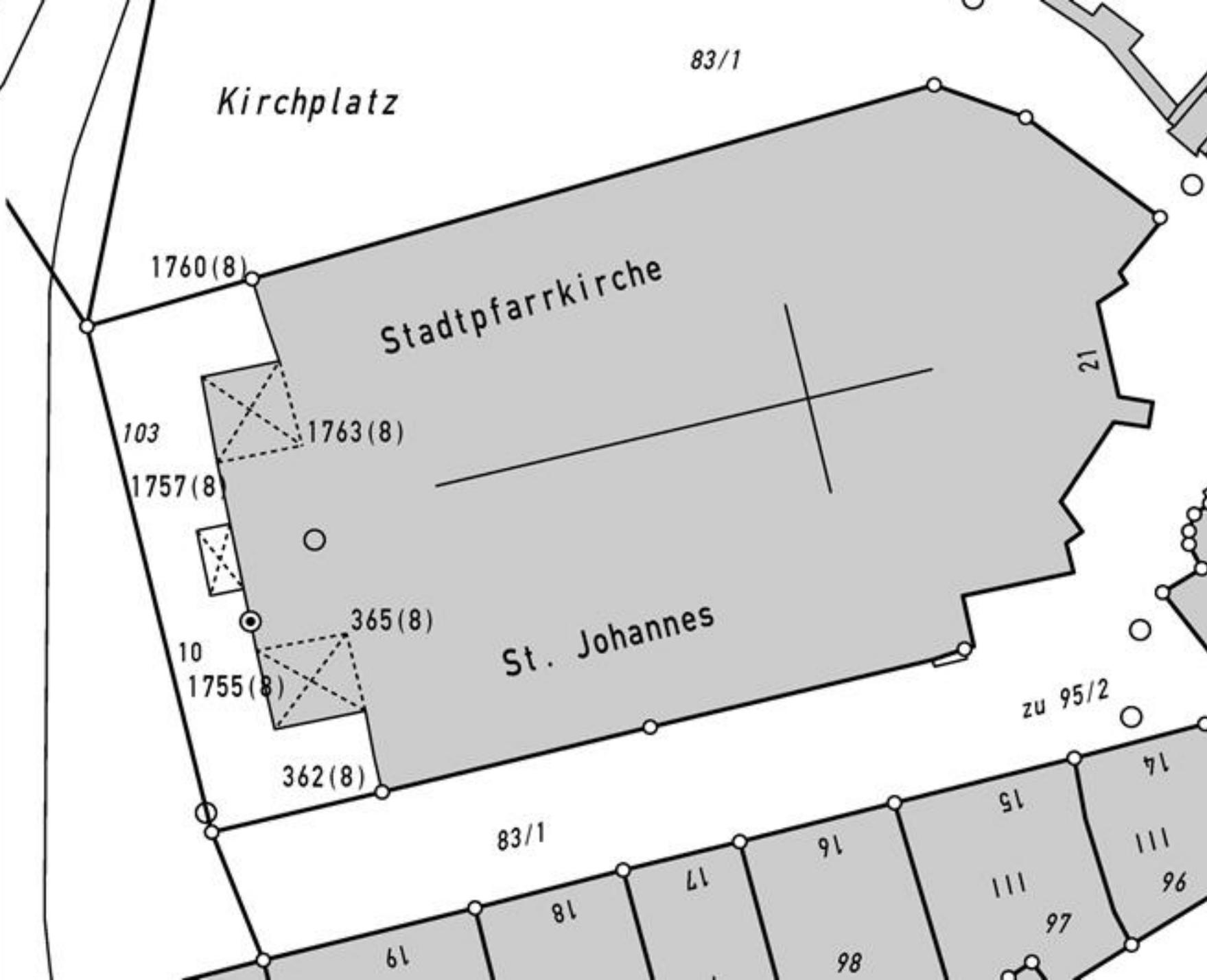
111

97

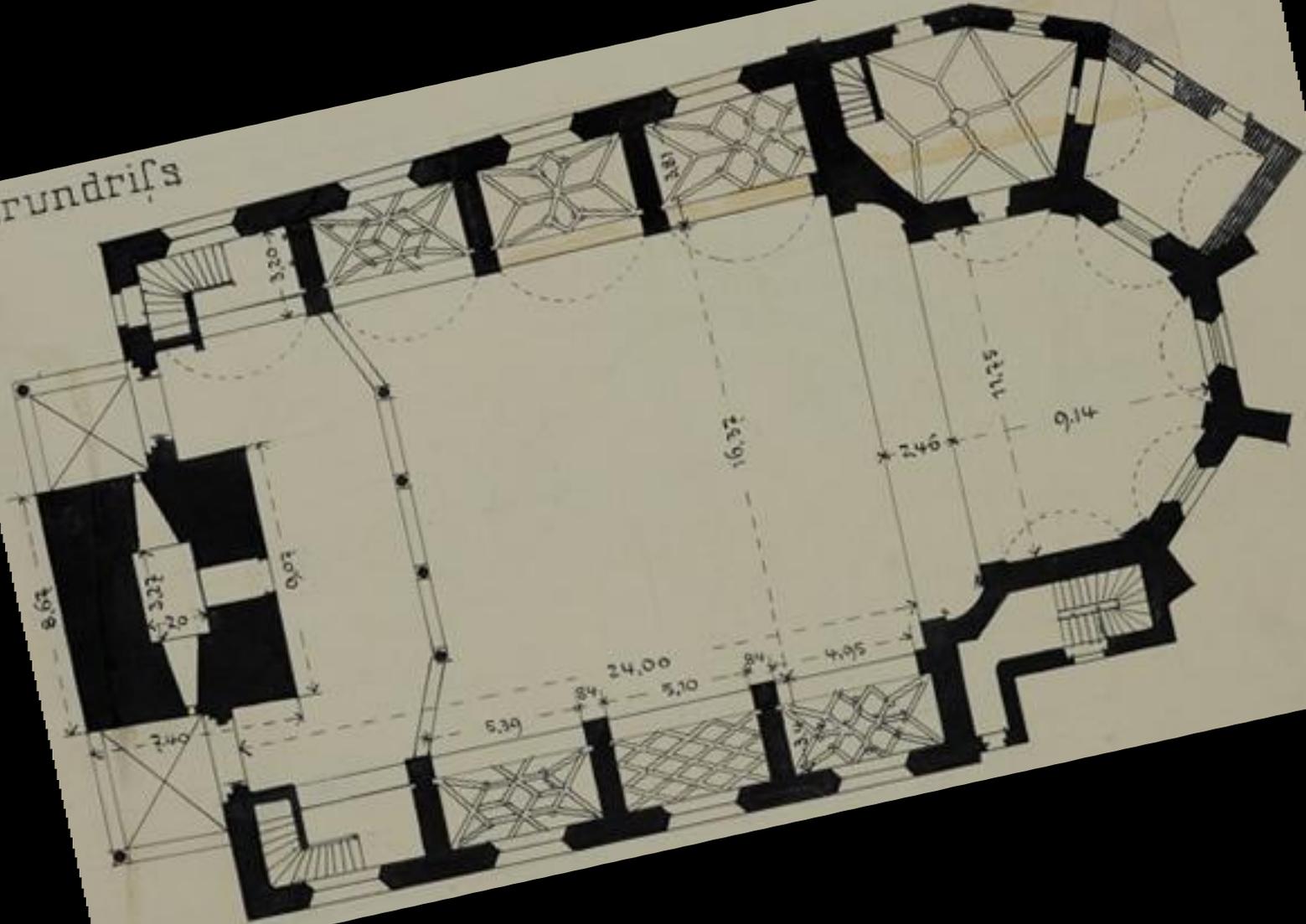
14

111

96



# Grundriss



83/1

Kirchplatz

1760(8)

Stadtpfarrkirche

103

1763(8)

1757(8)

10

1755(8)

St. Johannes

362(8)

zu 95/2

83/1

19

18

17

16

98

15

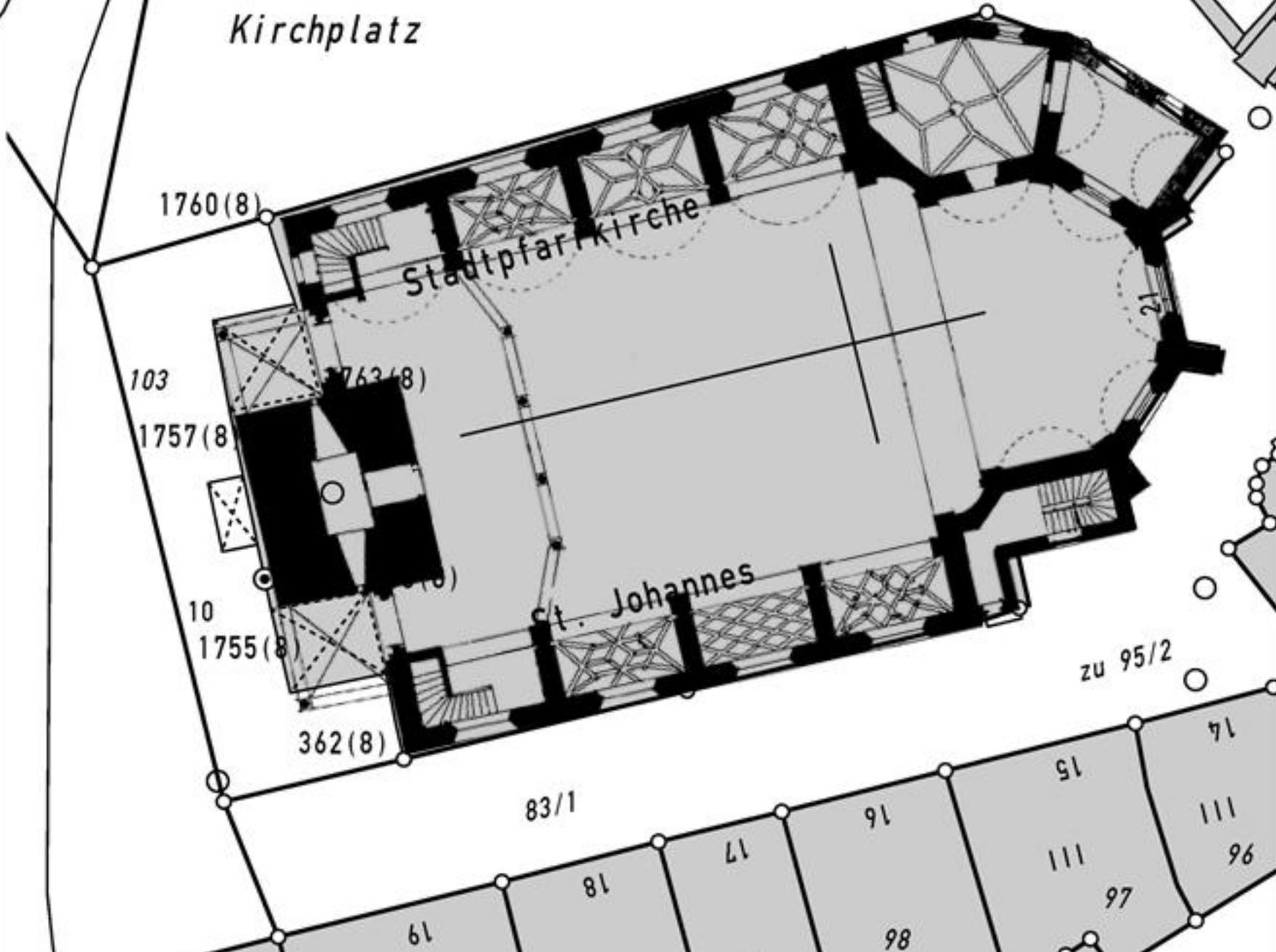
111

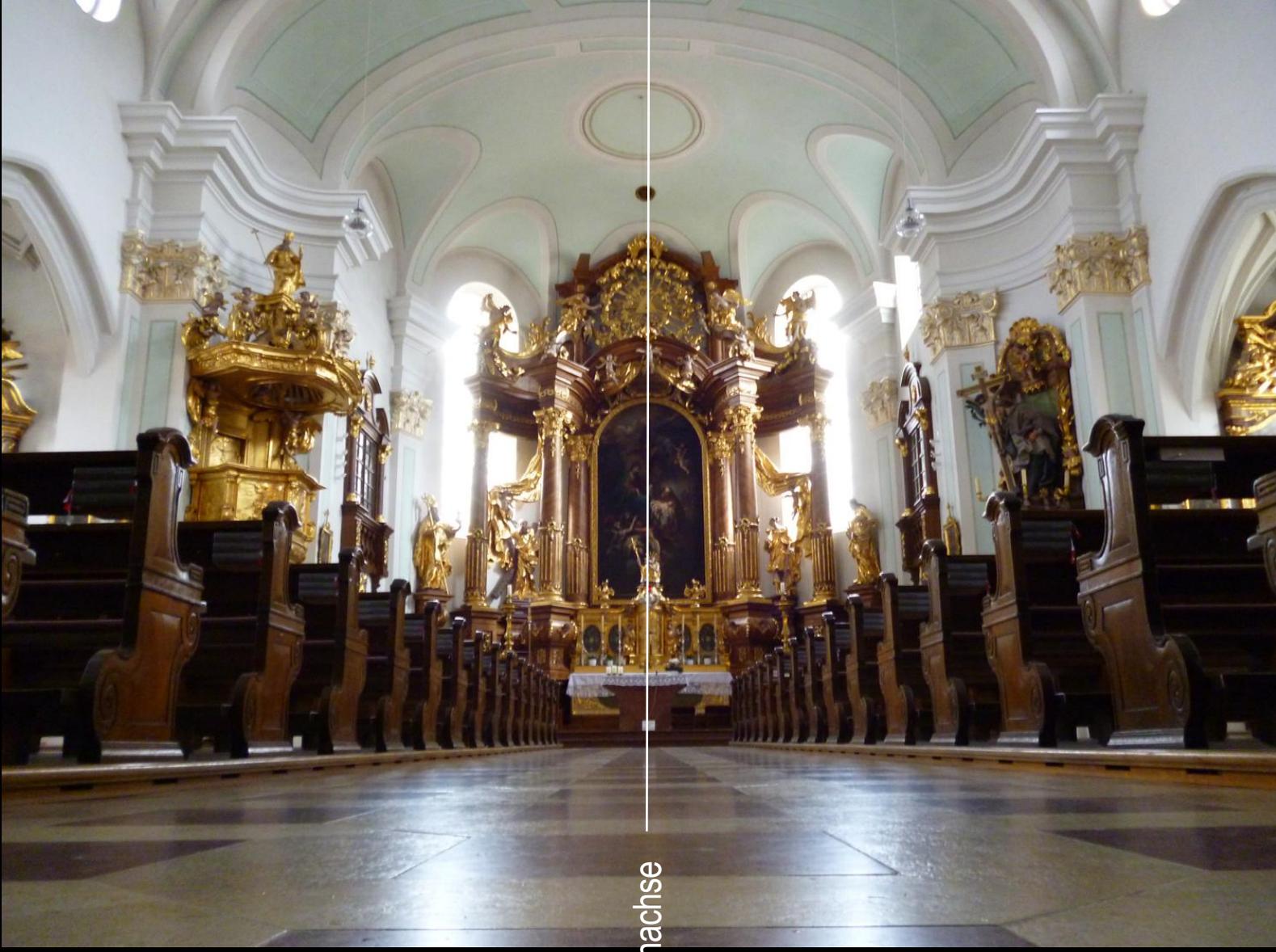
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111

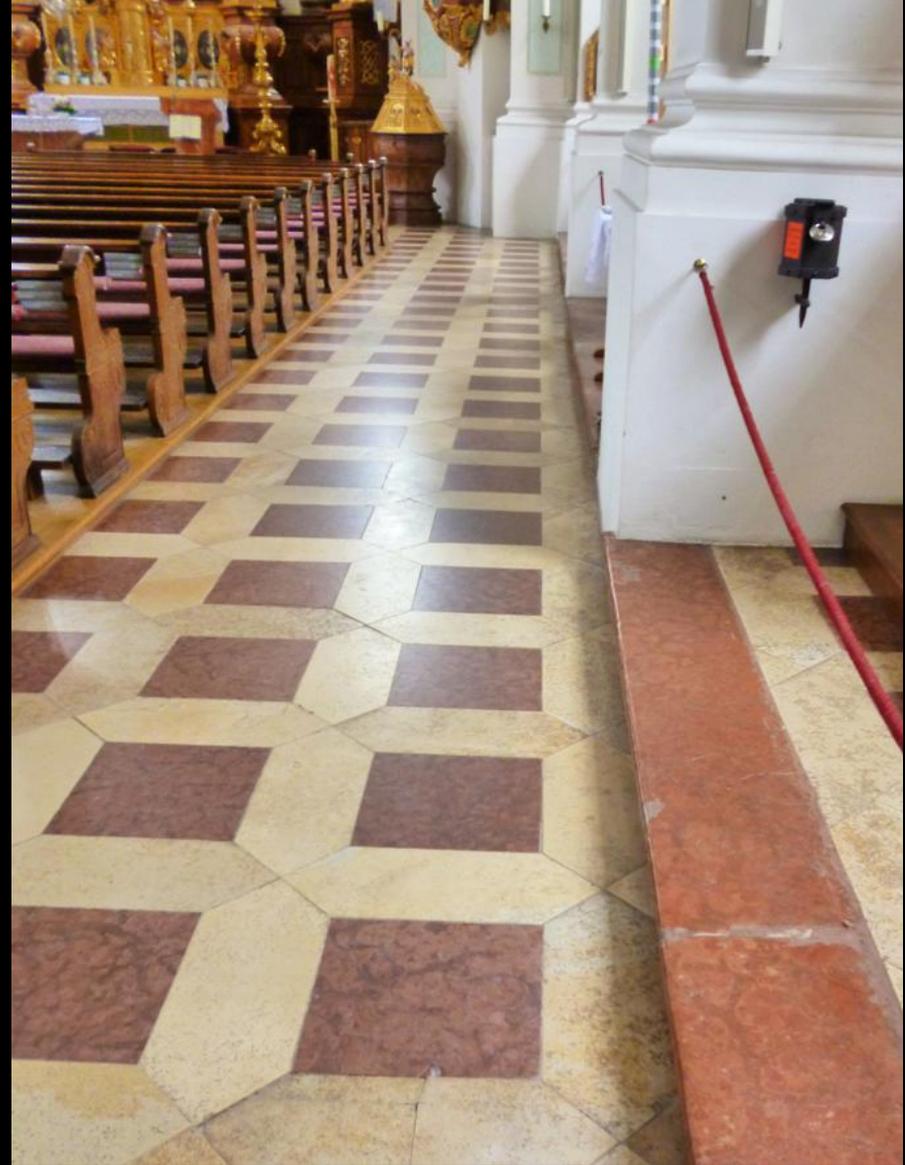
96

14



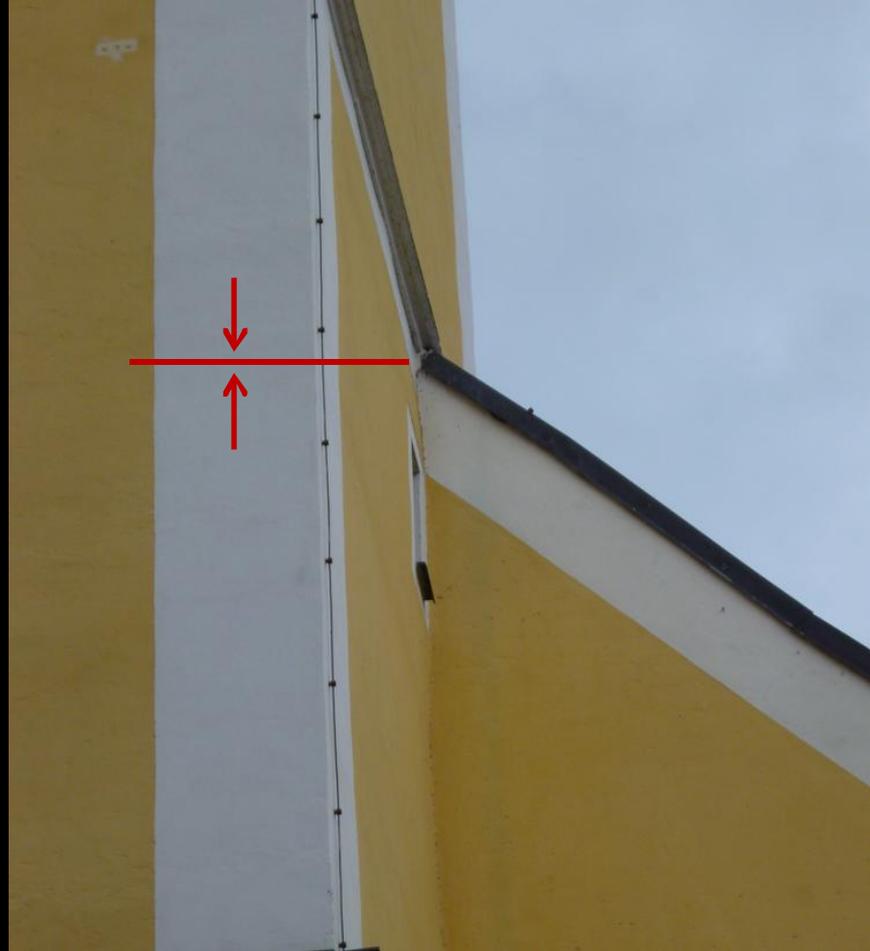
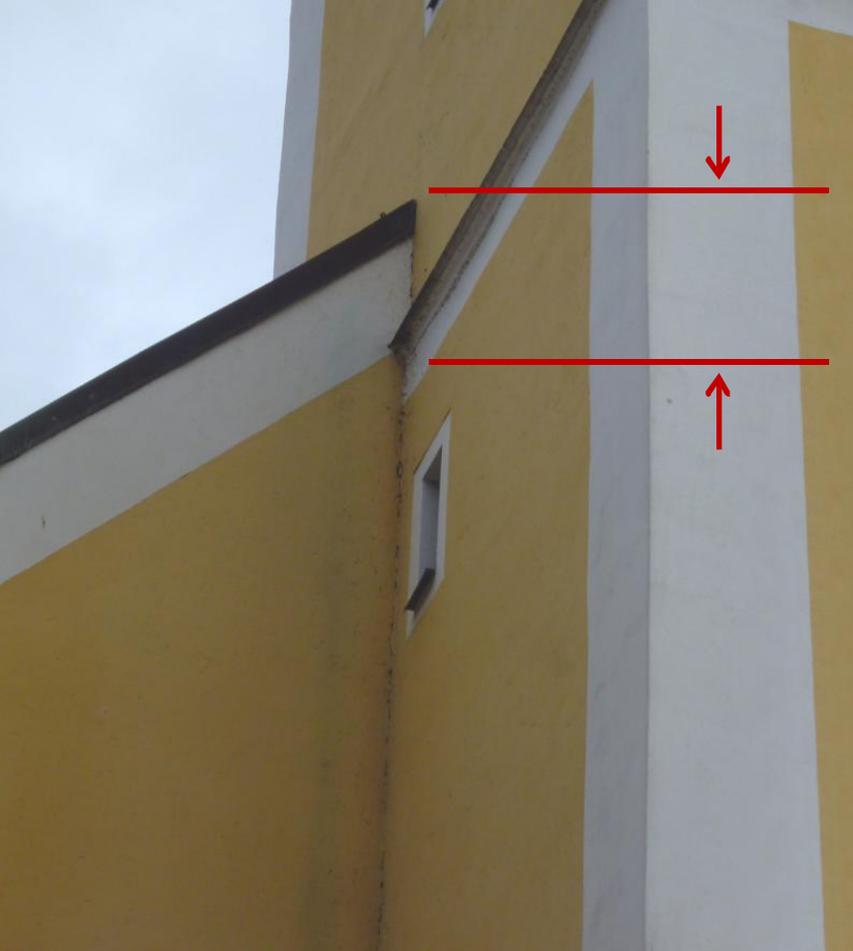


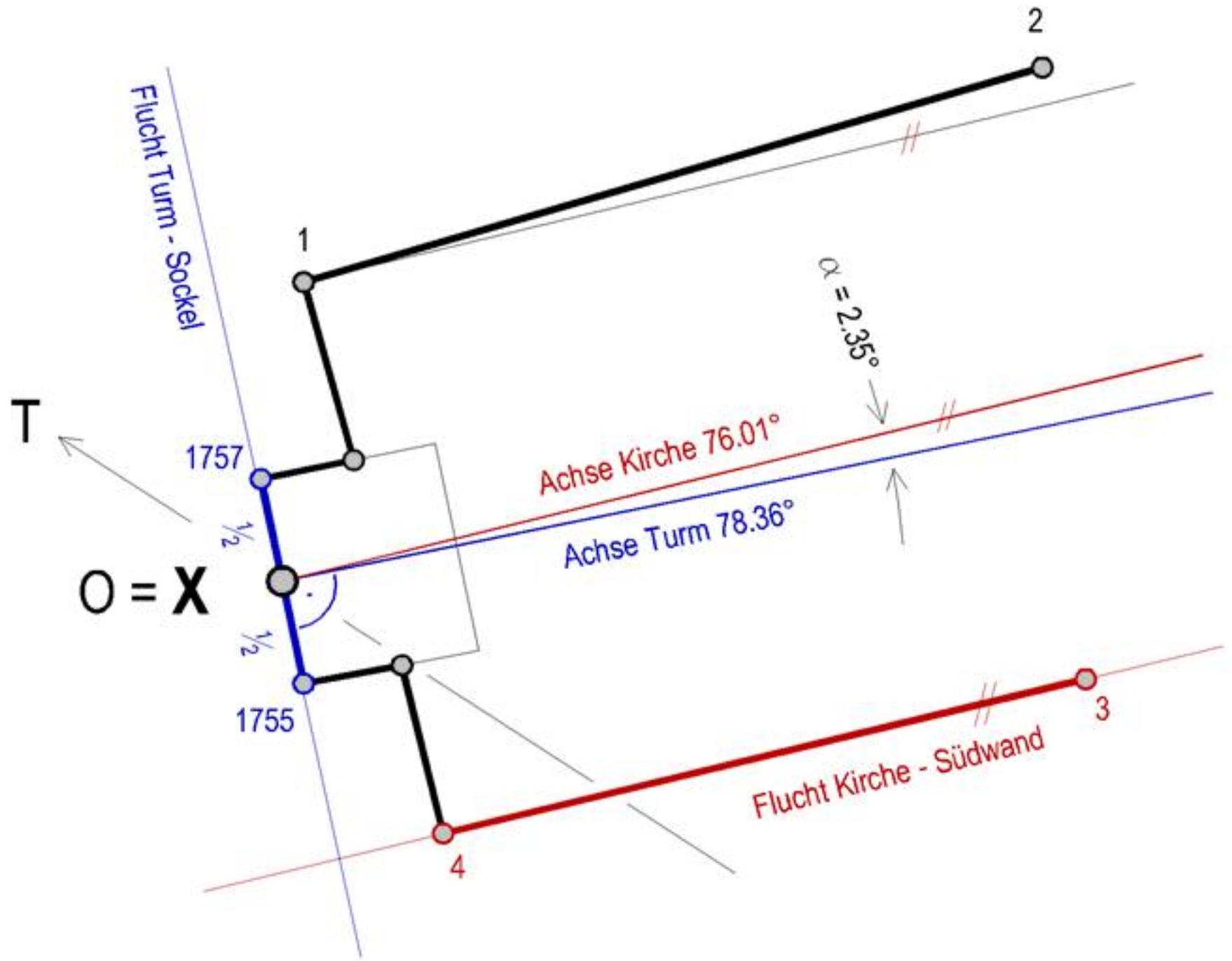
Kirchenachse





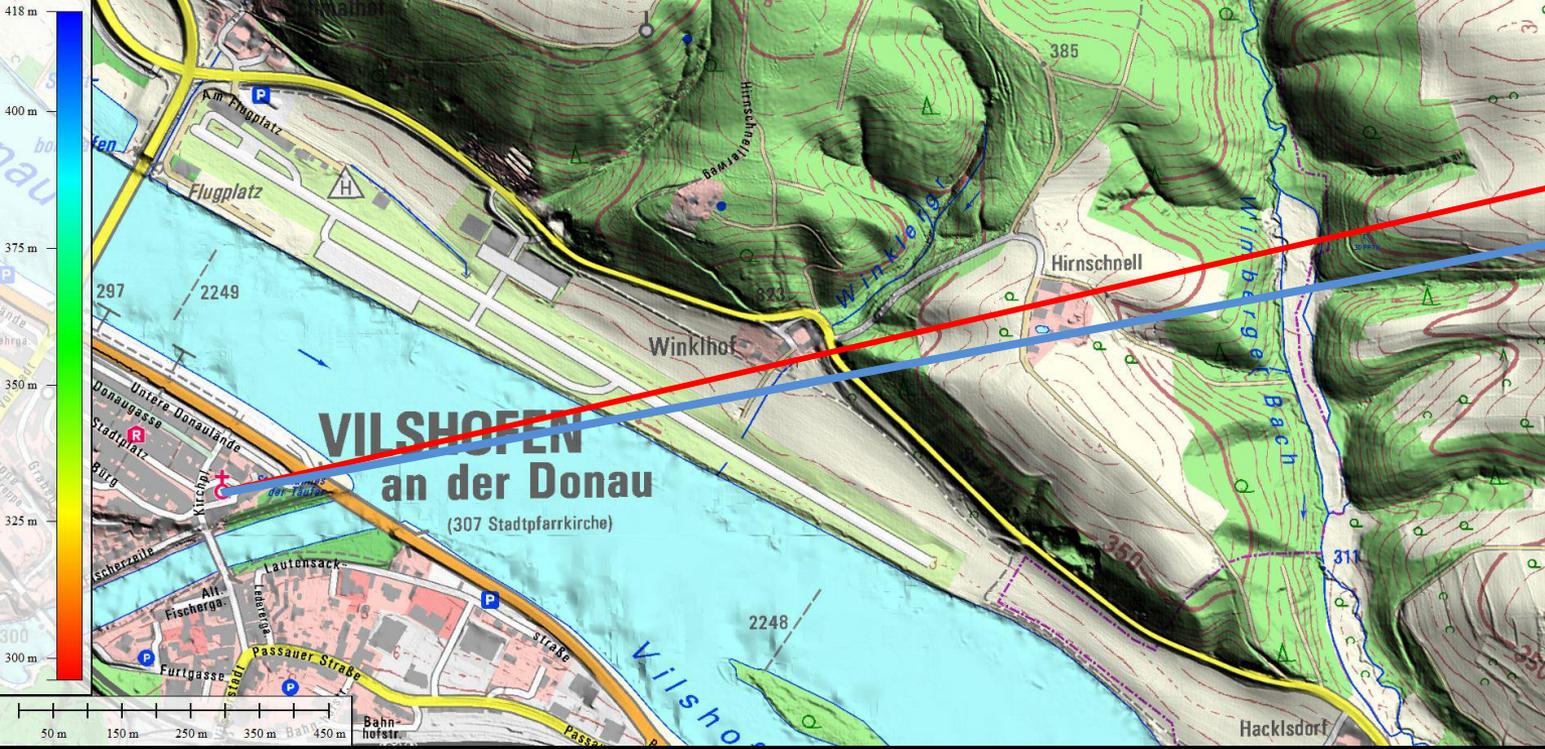








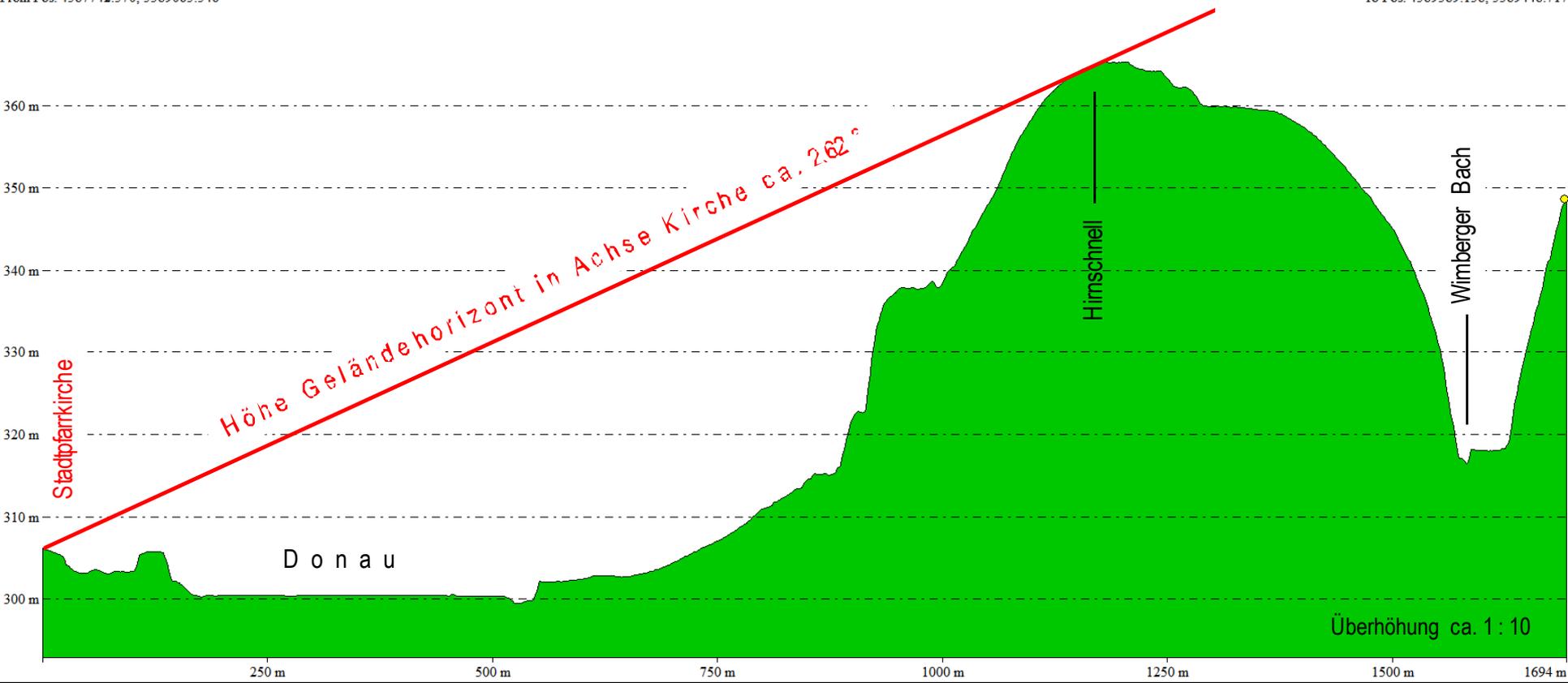




Achse Kirche 76.91°

Achse Turm 79.25°

Meridiankonvgenz + 0.89°



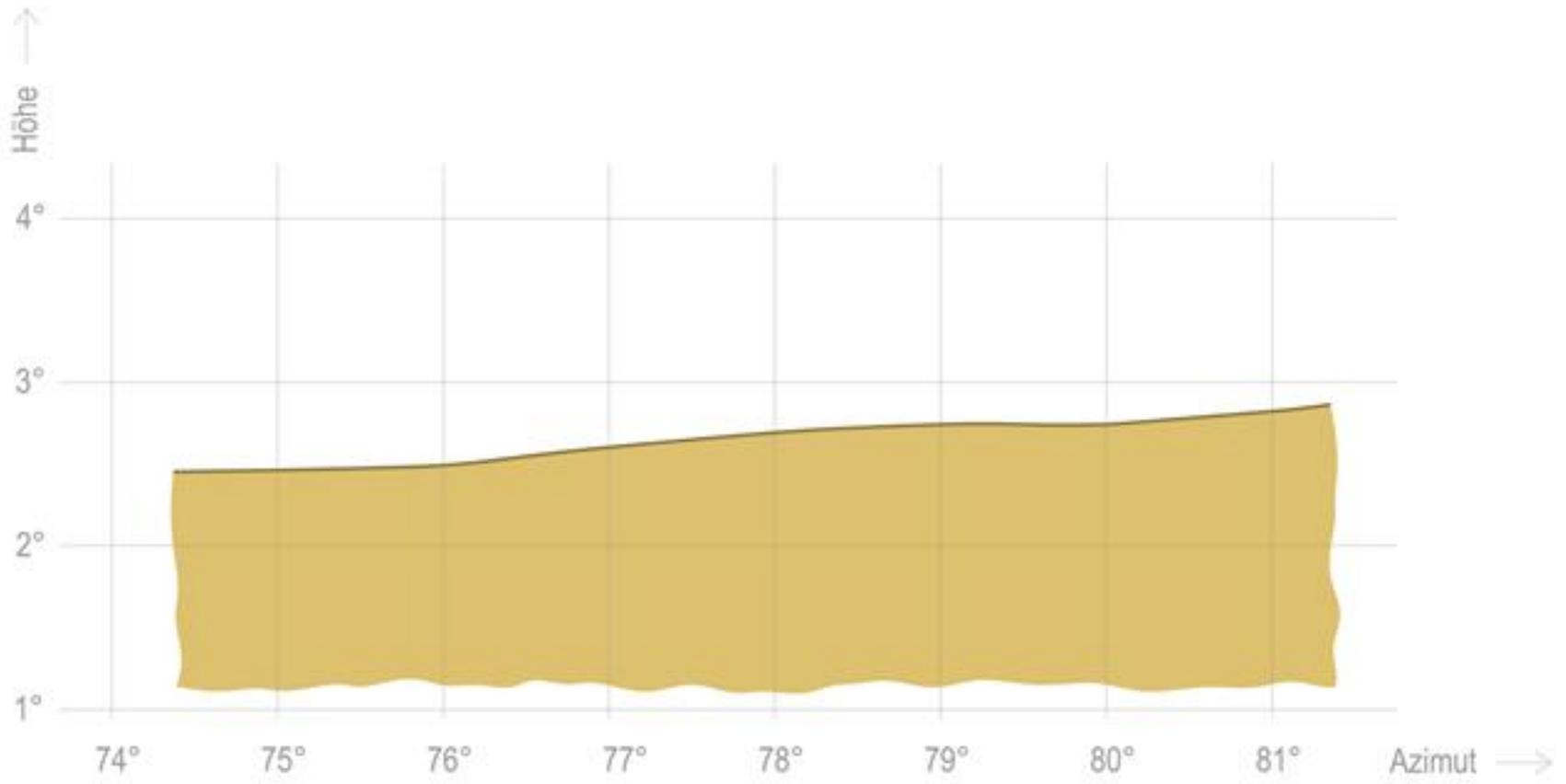


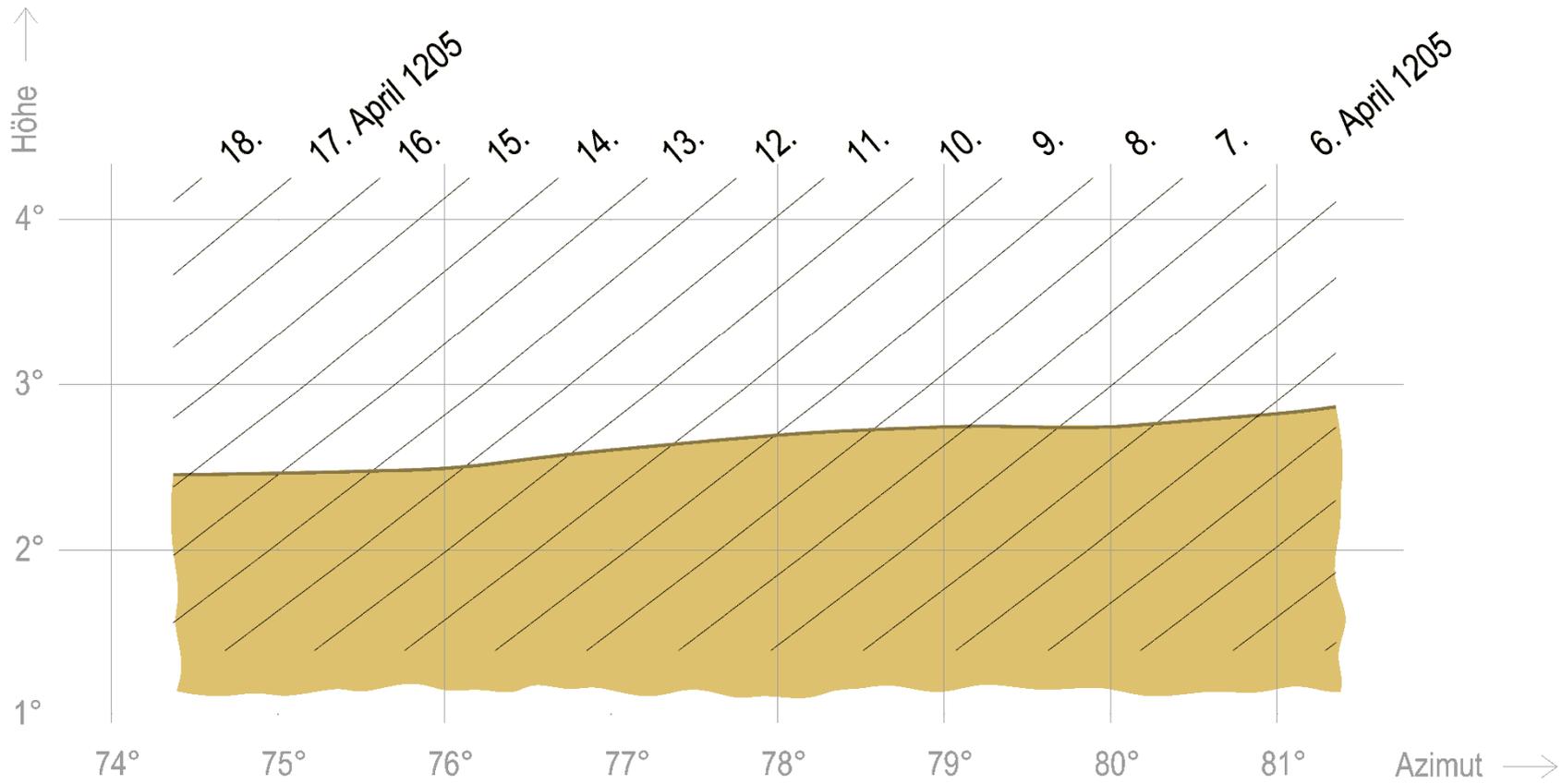


Achse Kirche

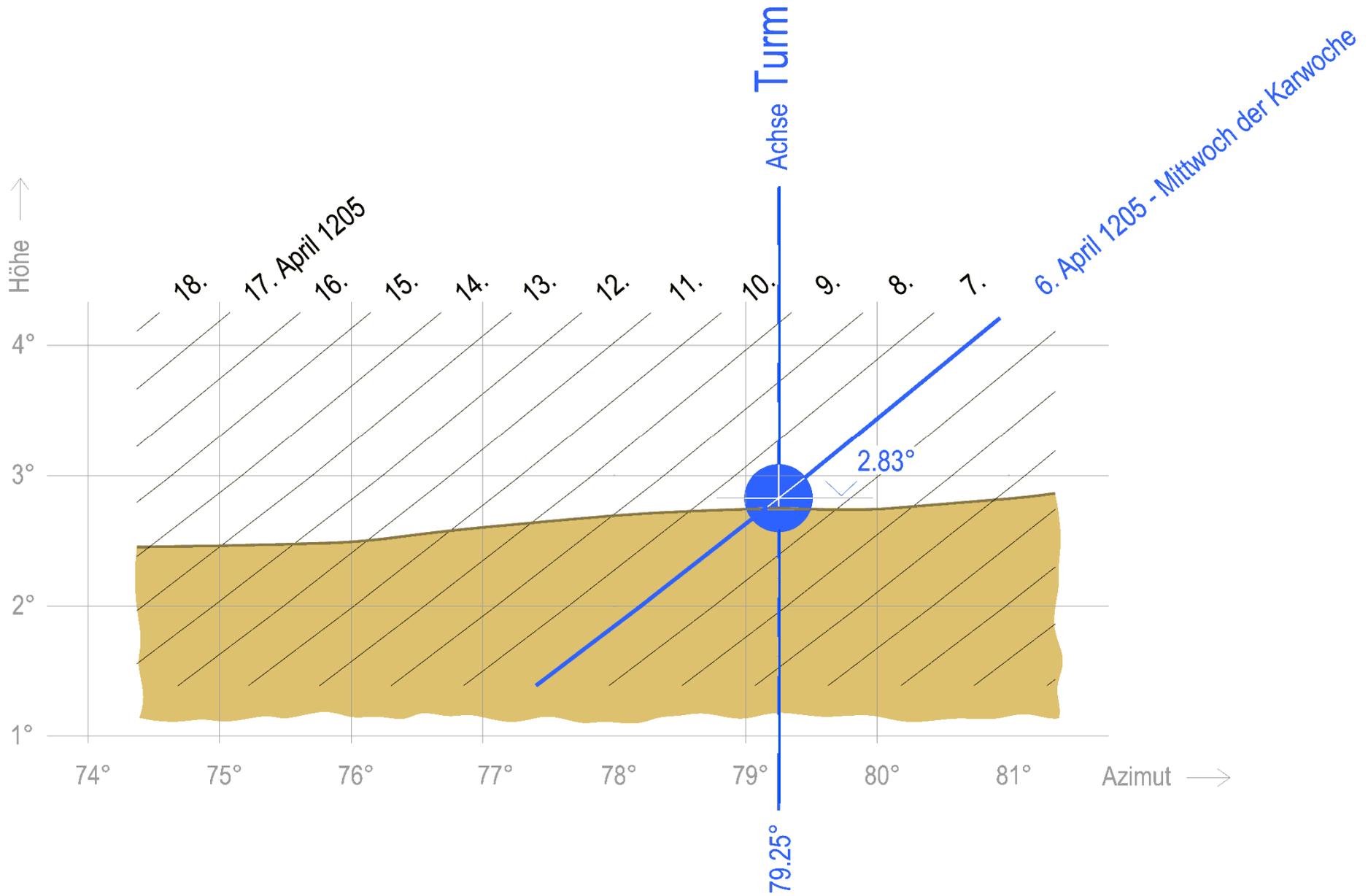
Achse Turm

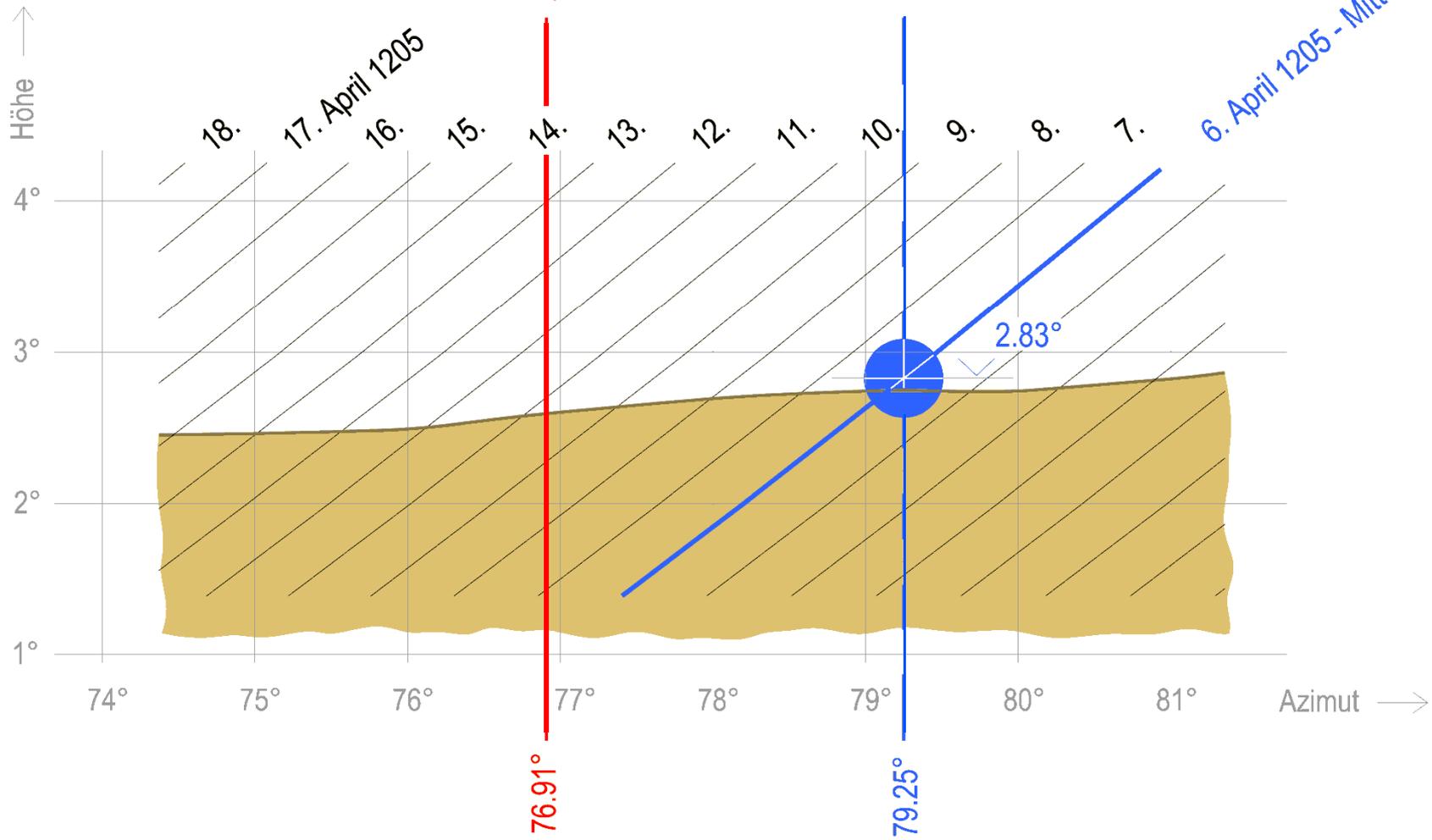












Höhe

4°

3°

2°

1°

74°

75°

76°

77°

78°

79°

80°

81°

Azimut →

18.  
17. April 1205  
16.  
15.

Achse  
**Kirche**

14.

13.

12.

11.

10. April  
Achse  
**Turm**

9.

8.

7.

**1205 - Ostersonntag**

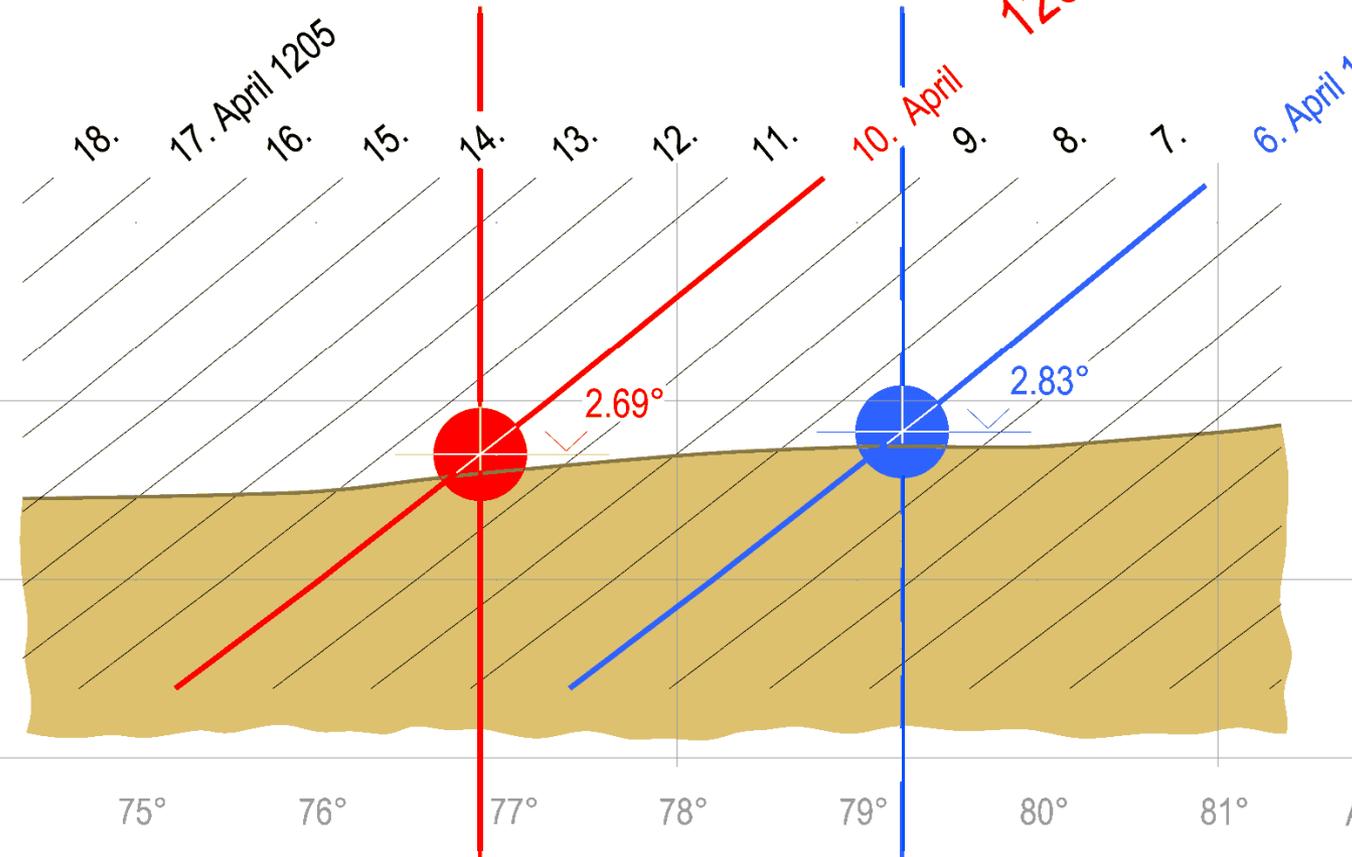
**6. April 1205 - Mittwoch der Karwoche**

2.69°

2.83°

76.91°

79.25°



# Warum 1205 ?

Jahr	Orientierungstag Kirche 10. April	Ostern	Tätigkeit
1204*	Samstag	25. April	Planung
<b>1205</b>	<b>Ostersonntag</b>	<b>10. April</b>	<b>Absteckung</b>
1206	Montag	2. April	Ausführung
1207	Dienstag	22. April	Ausführung

# Vilshofen

## Stadtgründung: Ostern 1205

