

DAAL EN BERG DUPLEX HOUSES

ARCH 125:PRINCIPLES OF ENVIRONMENTAL DESIGN
RESIDENTIAL DEVELOPMENT CASE STUDY

MARTHA TRIVETT // MIA MILANOVIĆ // KENISHAA KATYAL // RONI HARAVON // CHRISTY CHENG

ARCHITECT:

JAN WILS

ARCHITECT // DUTCH

BORN // FEBRUARY 22, 1891 // ALKMAAR

FOUNDING MEMBER // DE STIJL MOVEMENT

OTHER WORKS // SUMMER OLYMPIC STADIUM 1928 // GOLD

DIED // FEBRUARY 11, 1972 // VOORBURG

52.076218, 4.261680



LOCATION:
DEN HAAG, THE
NETHERLANDS

SITE PROJECTION

52.076218, 4.261680



VOM-reeks 1989 nummer 4

LOCATION:
DEN HAAG, THE
NETHERLANDS

DEVELOPMENT SITE PLAN

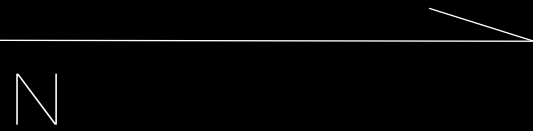
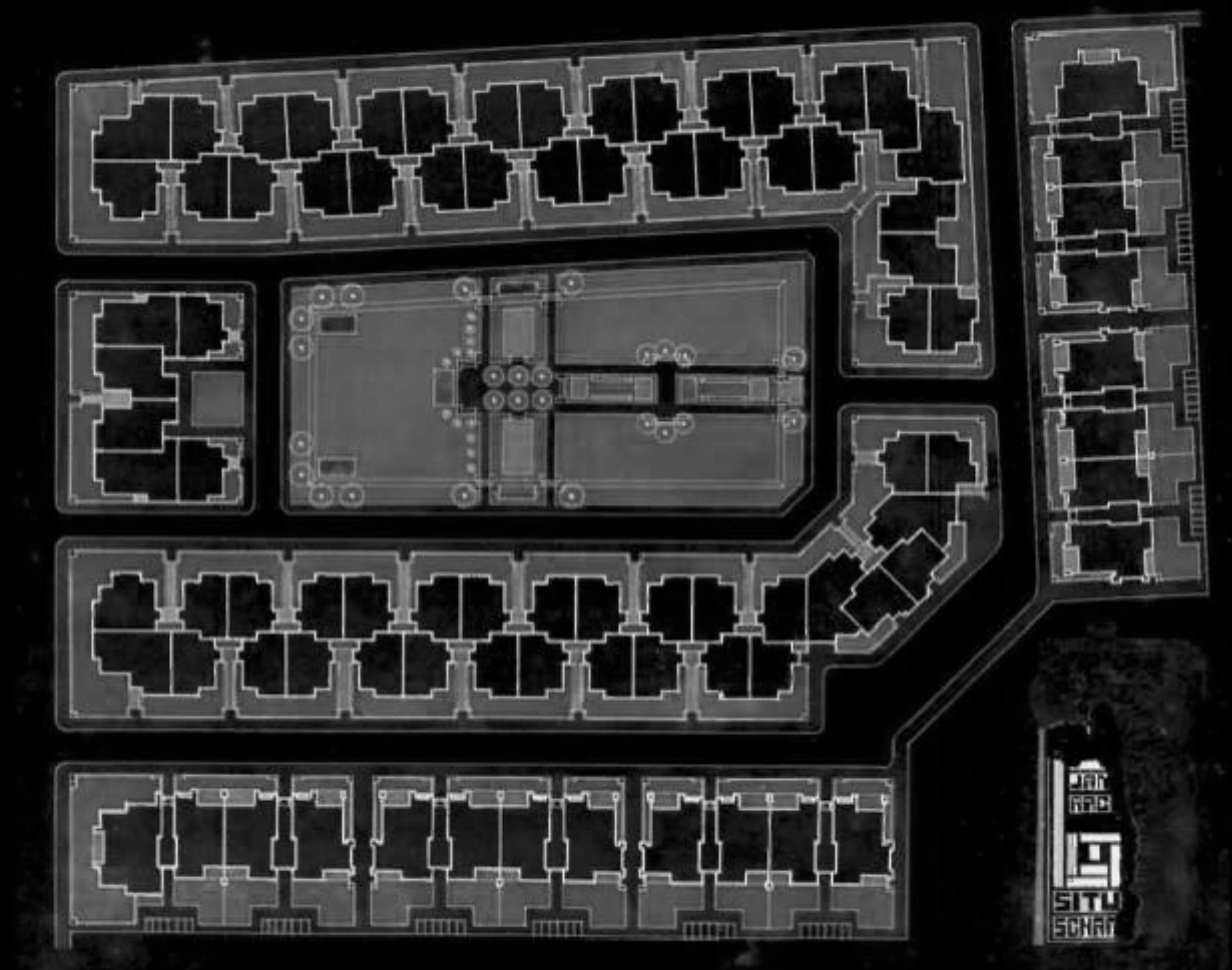
52.076218, 4.261680



LOCATION:
DEN HAAG, THE
NETHERLANDS

DEVELOPMENT PLAN

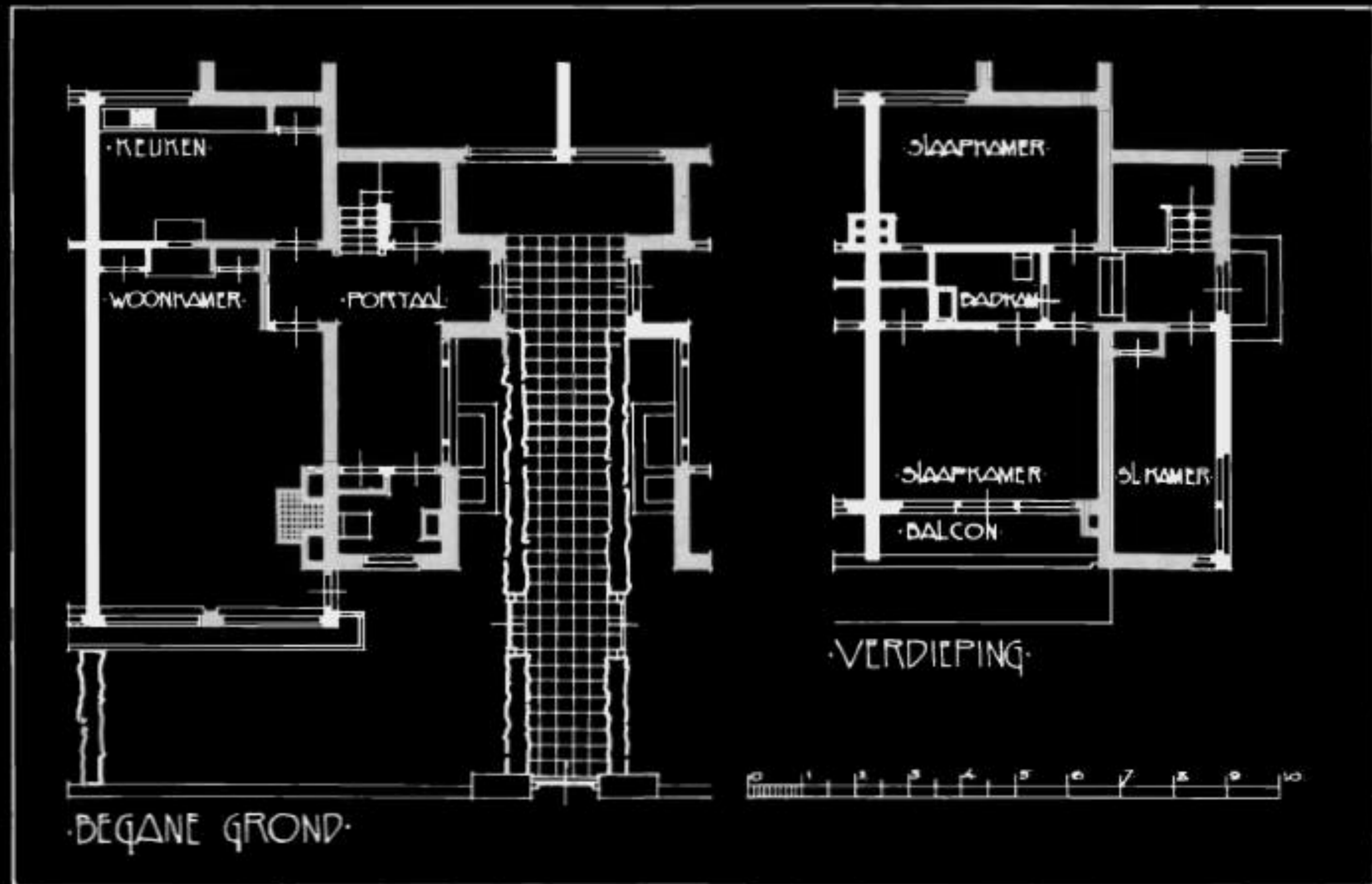
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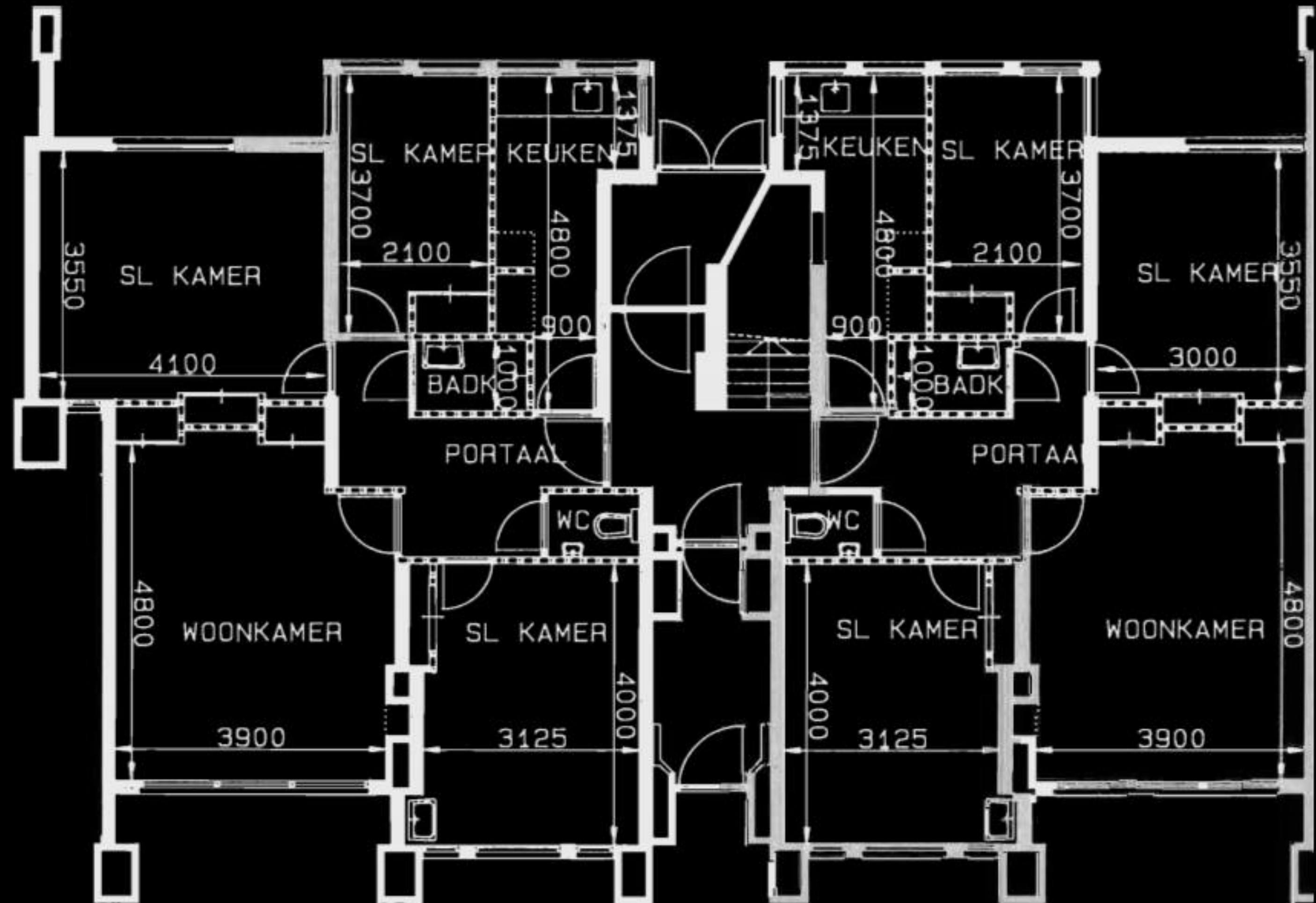
TIME:
1920

GROUND FLOOR PLANS

52.076218, 4.261680



TIME:
1920



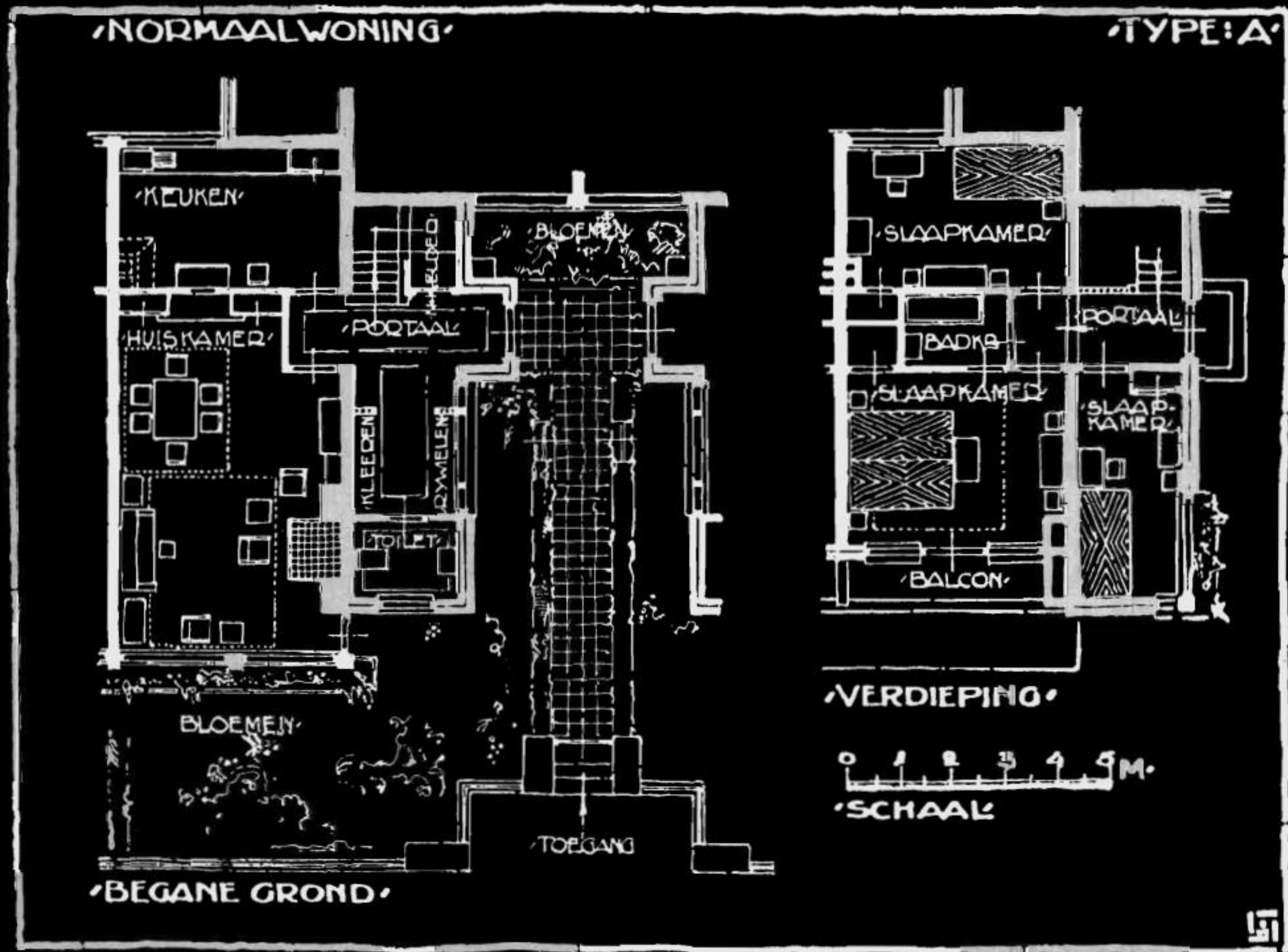
APARTMENT HOUSING FLOOR PLAN

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TIME:
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TYPE A HOUSING FLOOR PLANS

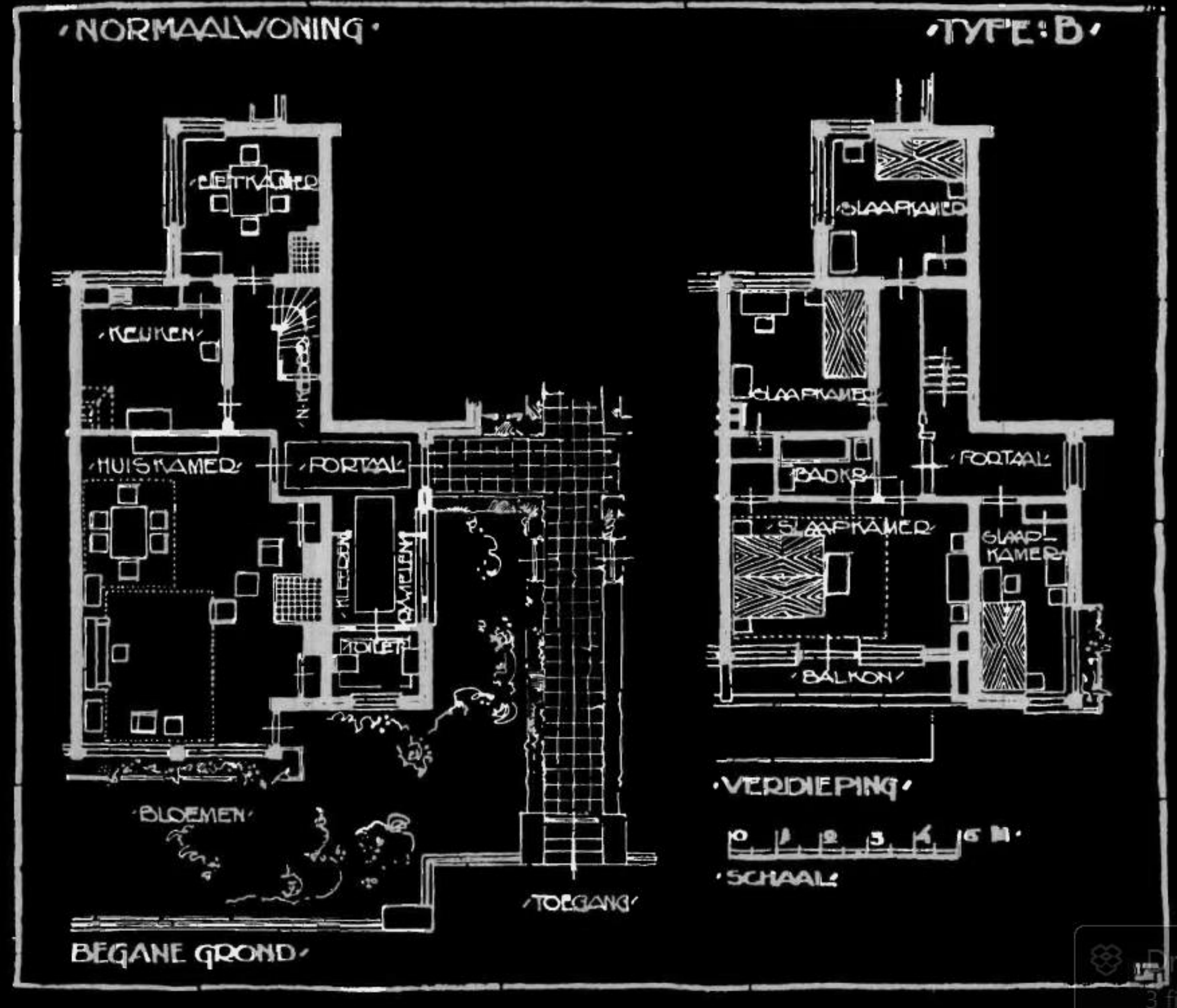
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TIME:
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TYPE B HOUSING FLOOR PLANS

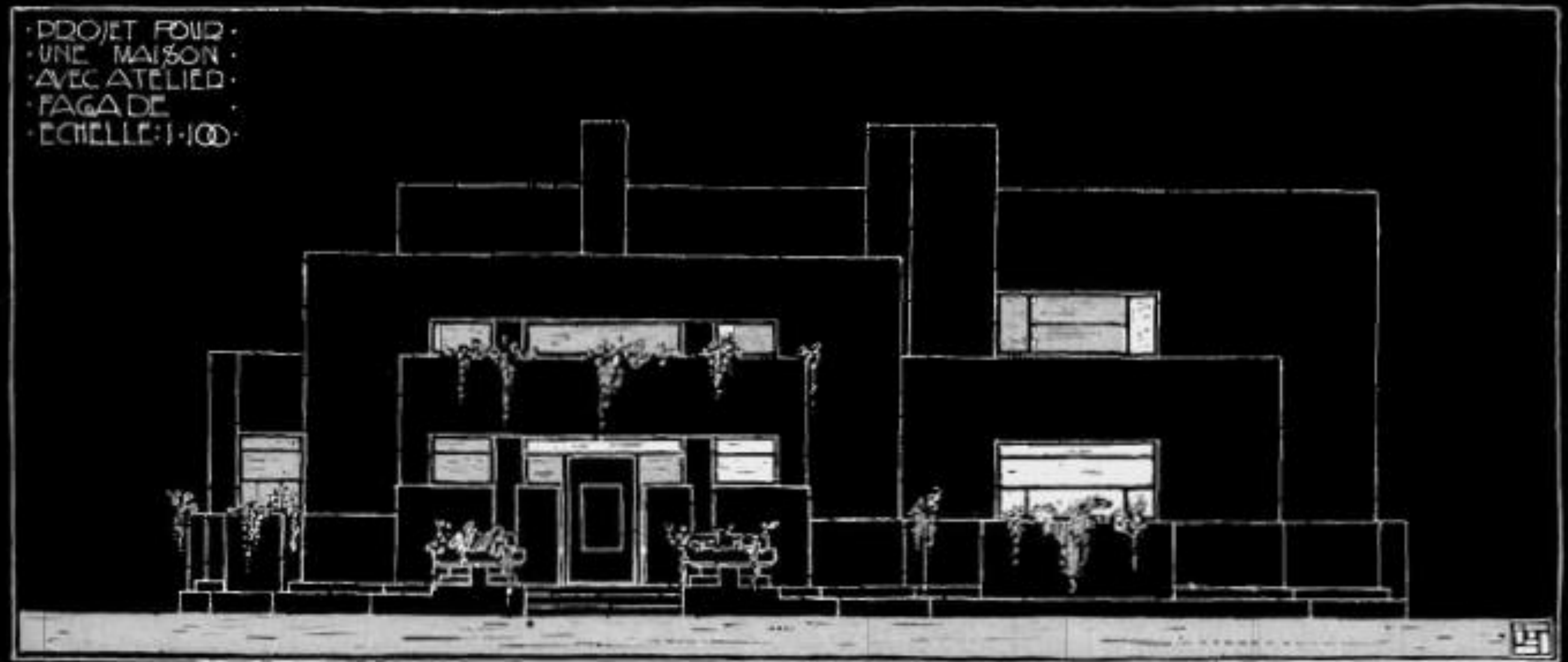
52.076218, 4.261680



CONSTRUCTION
SYSTEM:
STUCCO EXTERIOR

STUDIO UNIT FRONT ELEVATION

52.076218, 4.261680



CONSTRUCTION

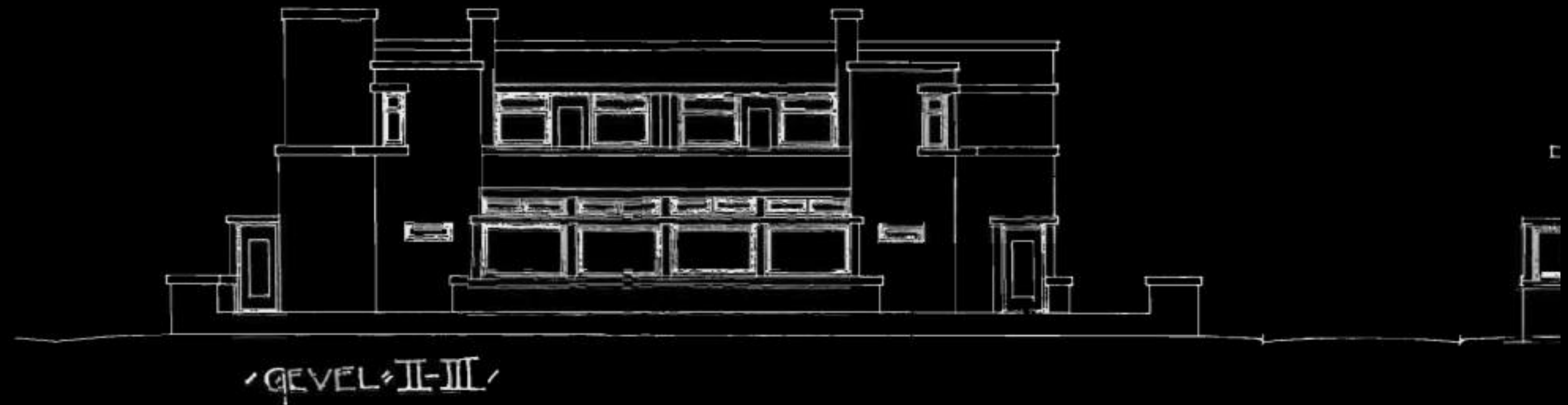
SYSTEM:

STUCCO

EXTERIOR

LOW RISE HOUSING ELEVATIONS

52.076218, 4.261680



CONSTRUCTION

SYSTEM:

STUCCO

EXTERIOR

HIGH RISE HOUSING ELEVATIONS

52.076218, 4.261680

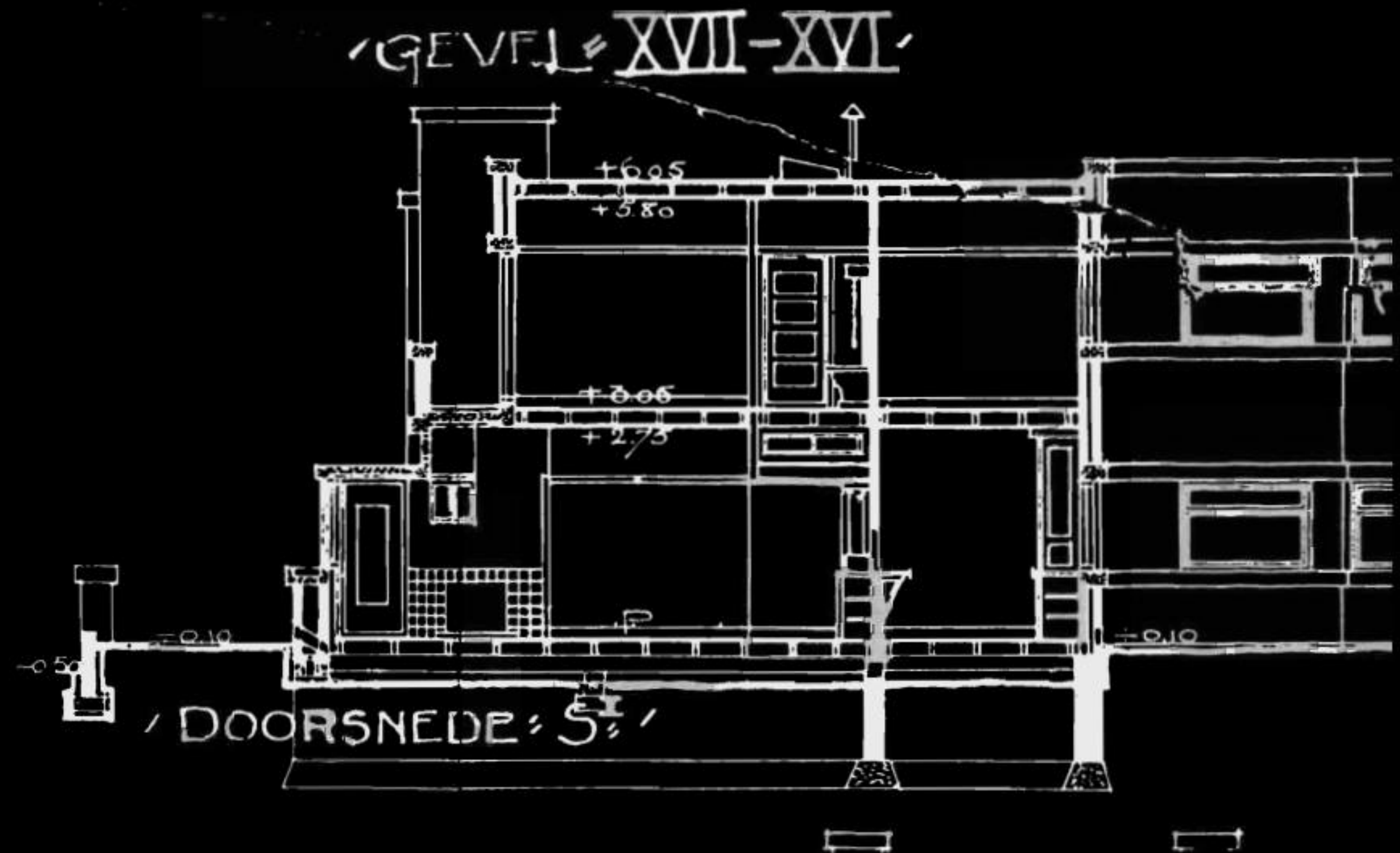


STYLE:

EARLY MODERN

LOW RISE HOUSING SOUTH SECTION

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STYLE:

EARLY MODERN

AXONOMETRIC

52.076218, 4.261680



STYLE:

EARLY MODERN

EXTERIOR
PROJECTION

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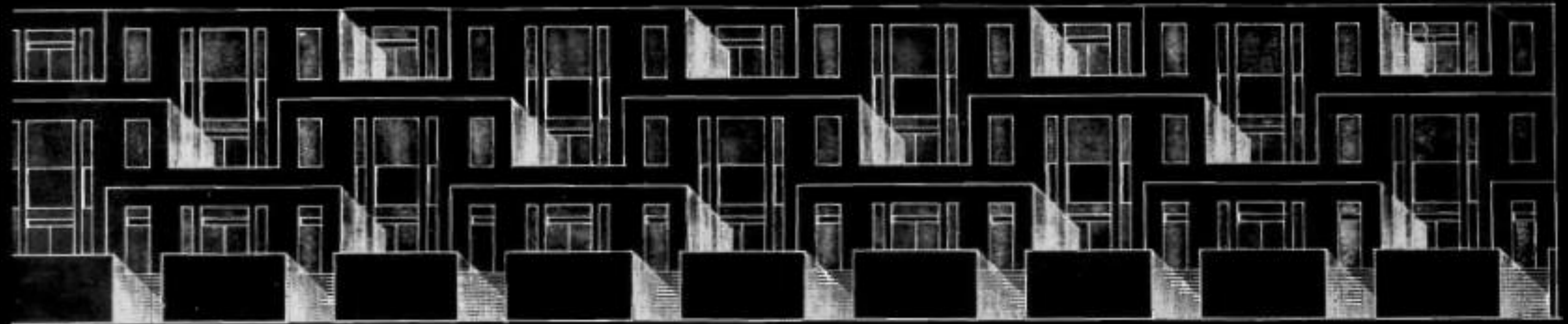


STYLE:

EARLY MODERN

PRECEDENTS

52.076218, 4.261680



CLIMATE:
TEMPERATE

DOUBLE FAMILY HOUSING INITIAL PERSPECTIVE DRAWING

52.076218, 4.261680

CLIMATE:
TEMPERATE

COURTYARD PERSPECTIVE

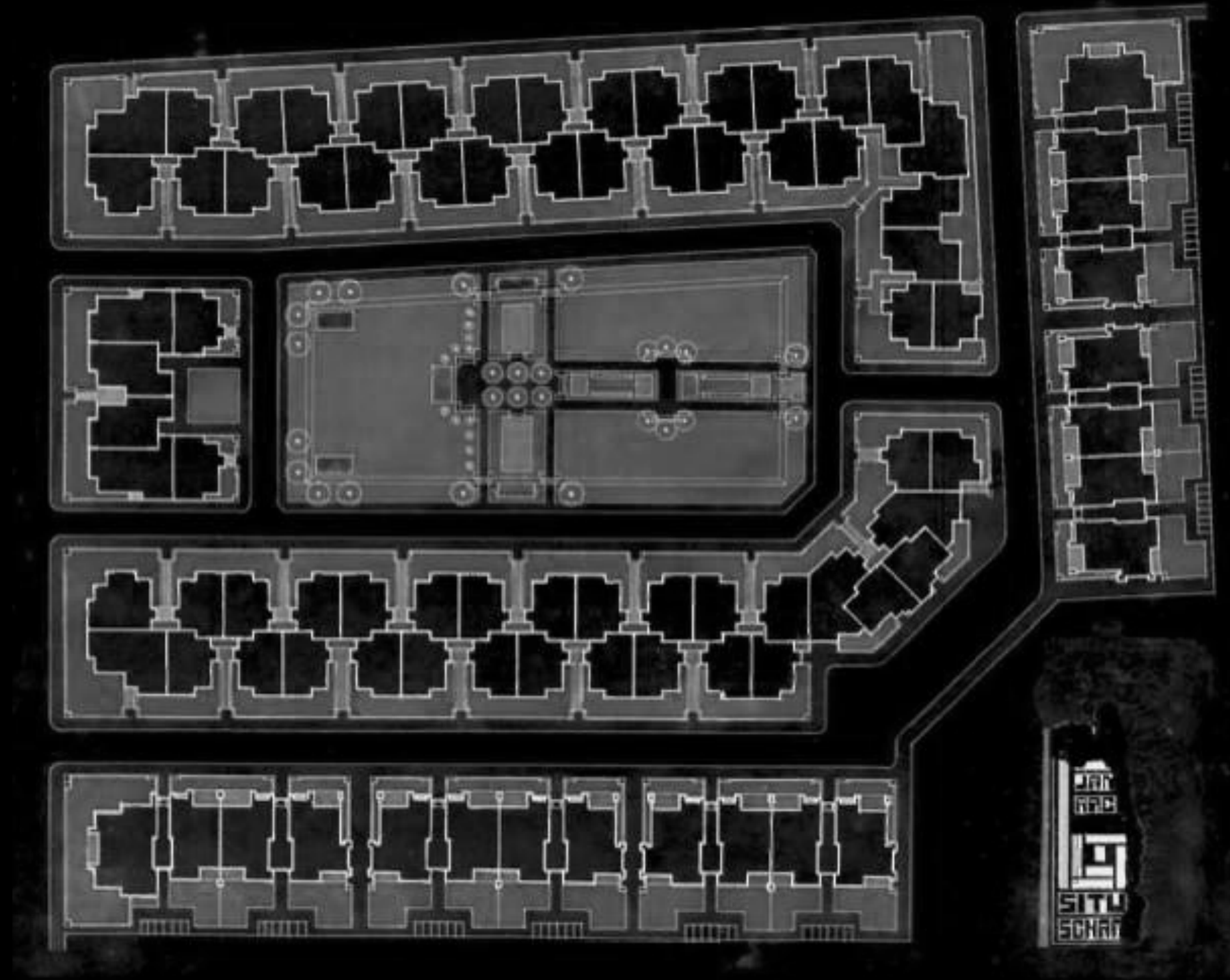
52.076218, 4.261680



SUMMERS // HOT & HUMID
WINTERS // COLD
FOUR SEASONS EQUALLY LONG

DEN HAAG, THE NETHERLANDS
TEMPERATE

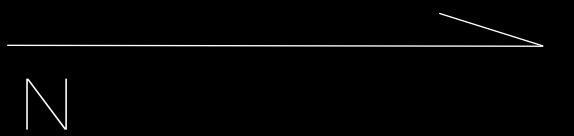
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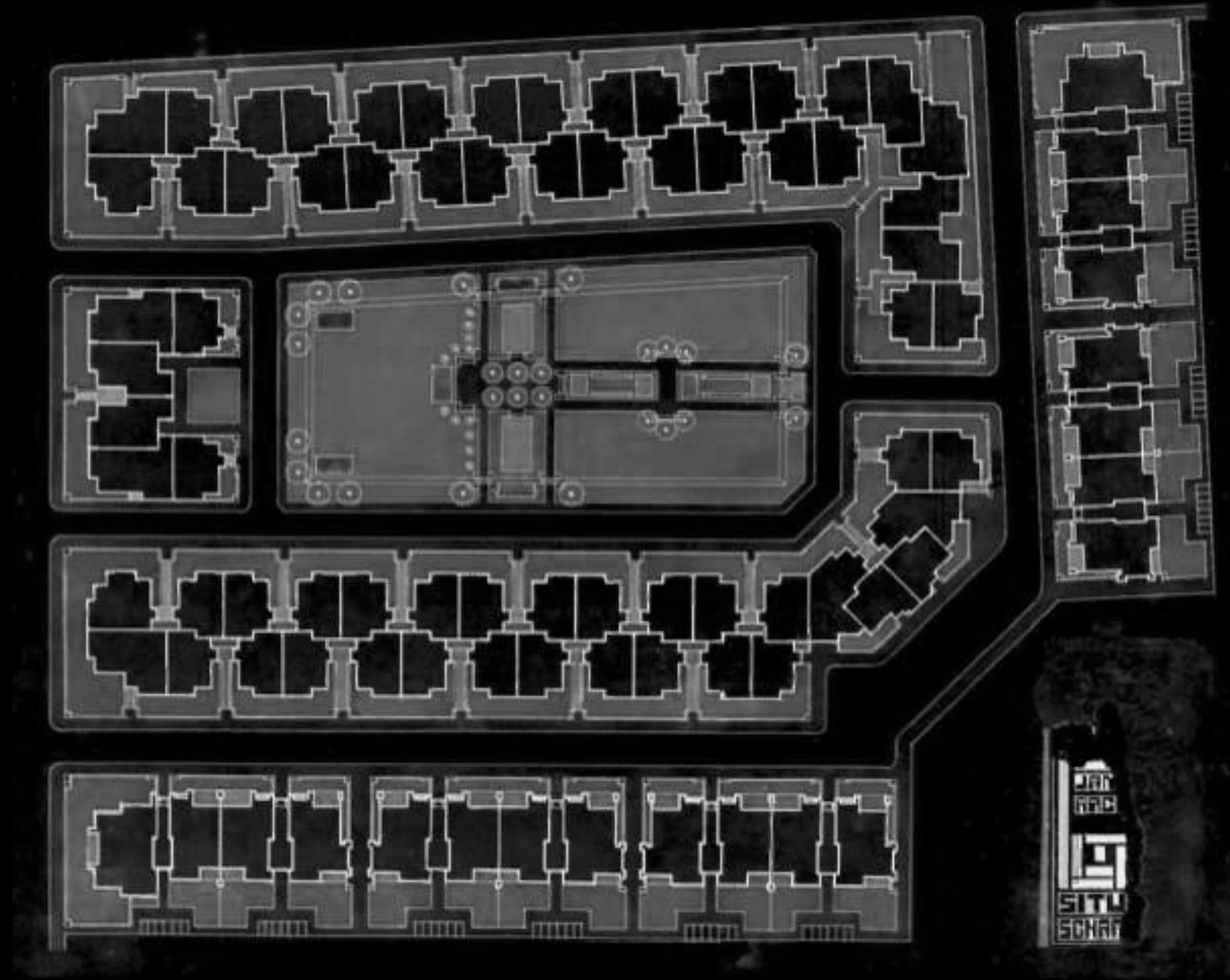


SUSTAINABLE SITE POTENTIAL

DEN HAAG, THE NETHERLANDS
TEMPERATE

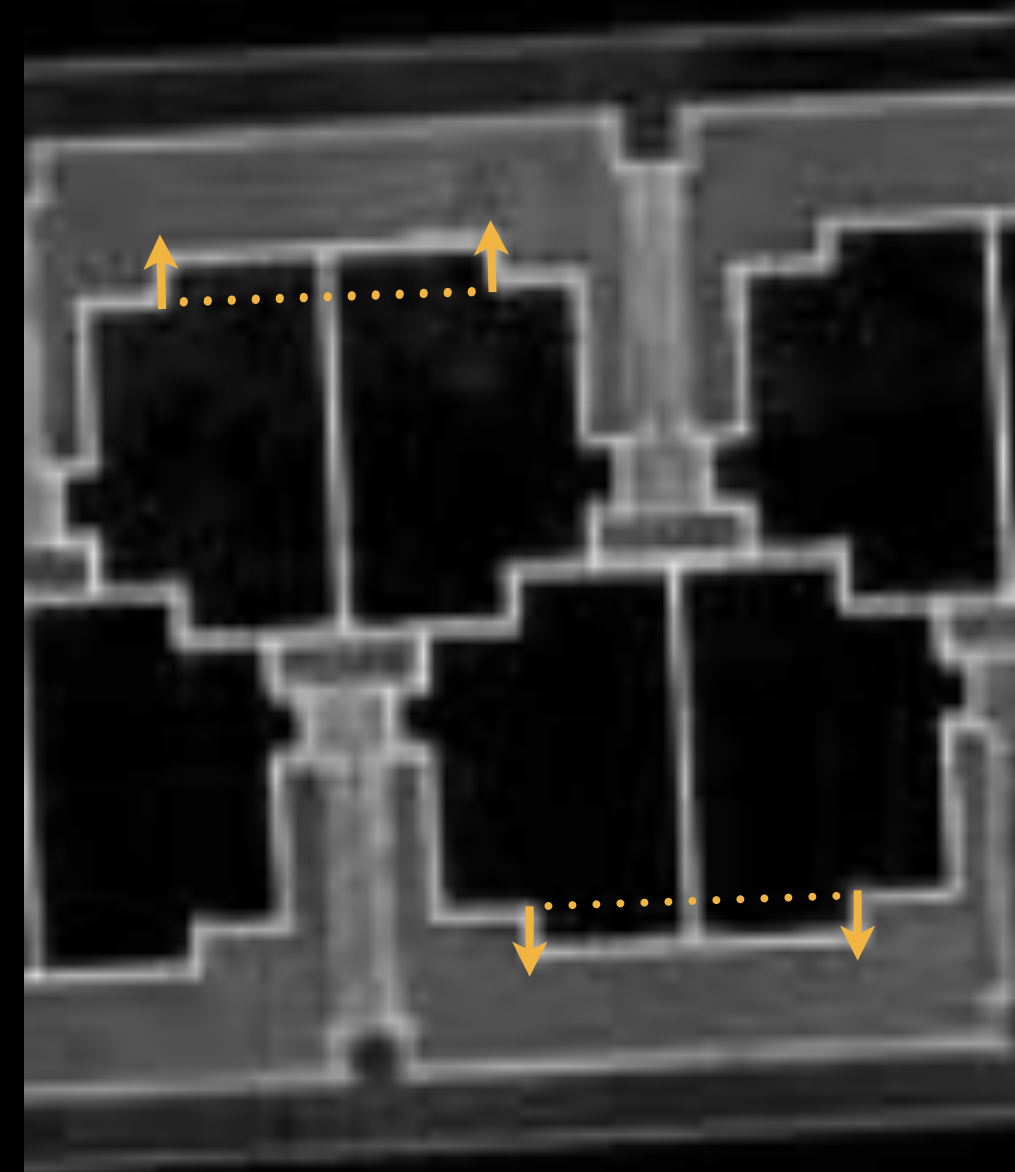
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DEN HAAG, THE NETHERLANDS
TEMPERATE

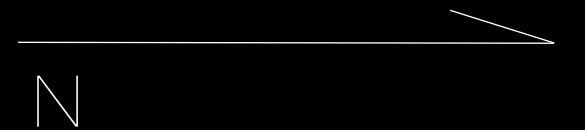
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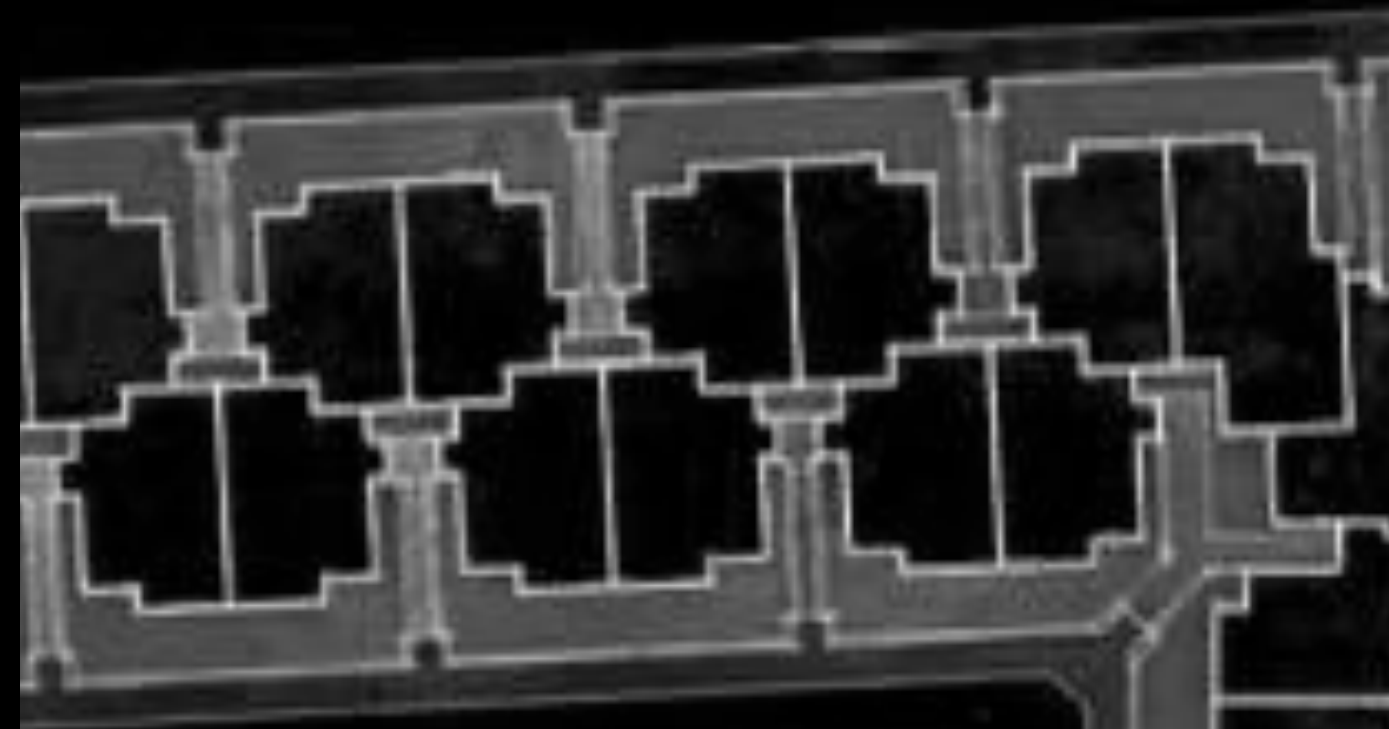
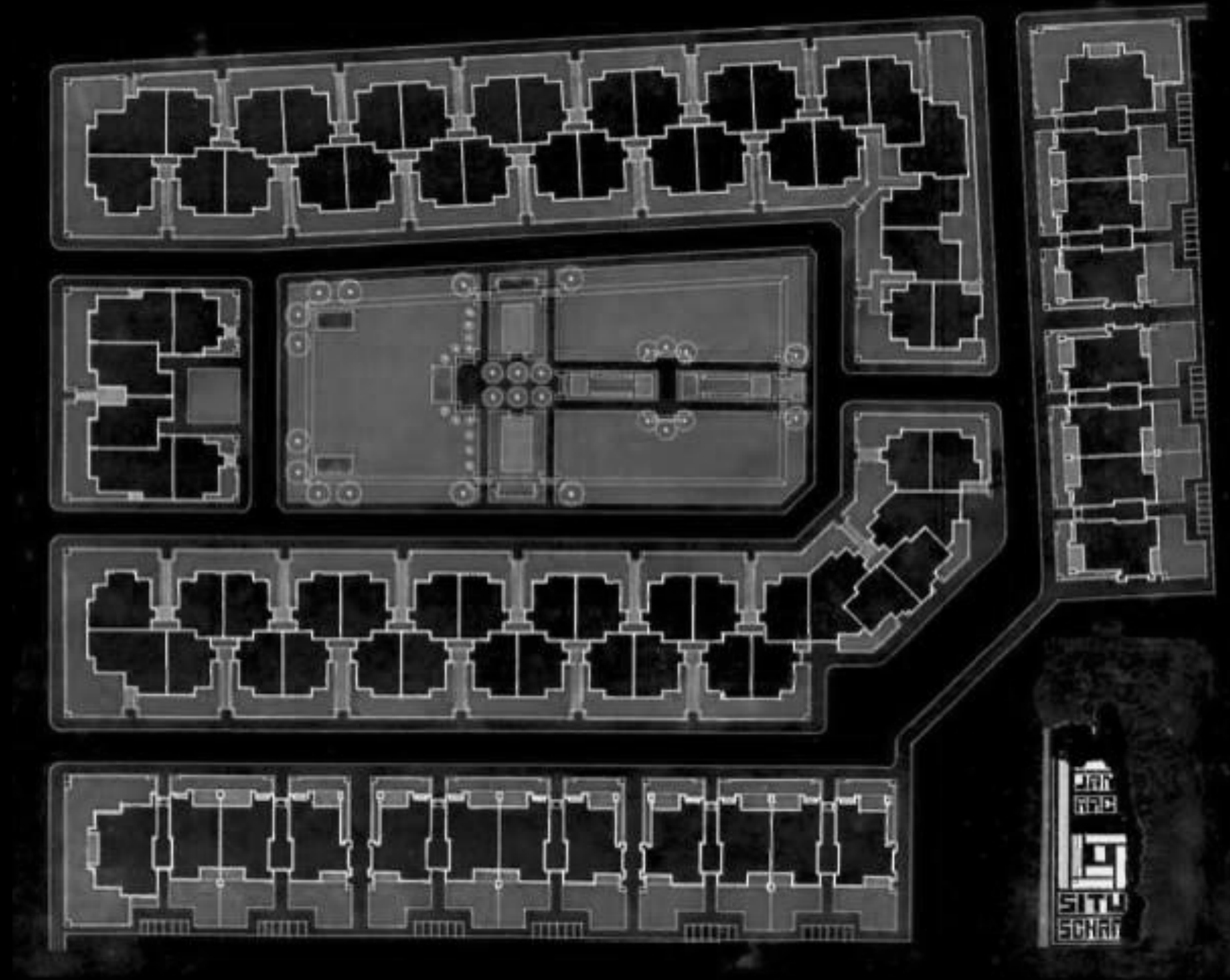


LOCATION //
FAVOURABLE IN THE
WIND DIRECTION

LIVING ROOM //
EAST
SOUTH
WEST

SUSTAINABLE SITE POTENTIAL

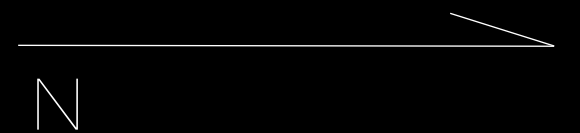


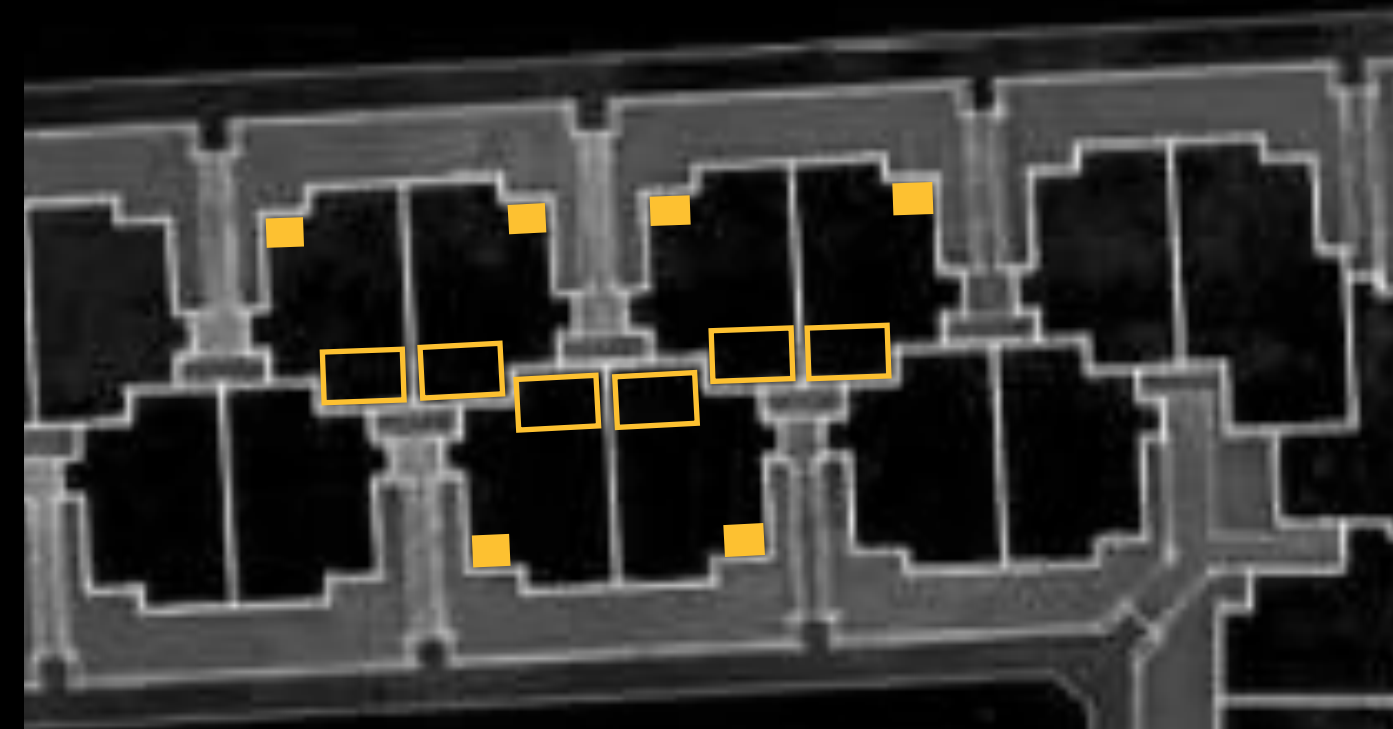
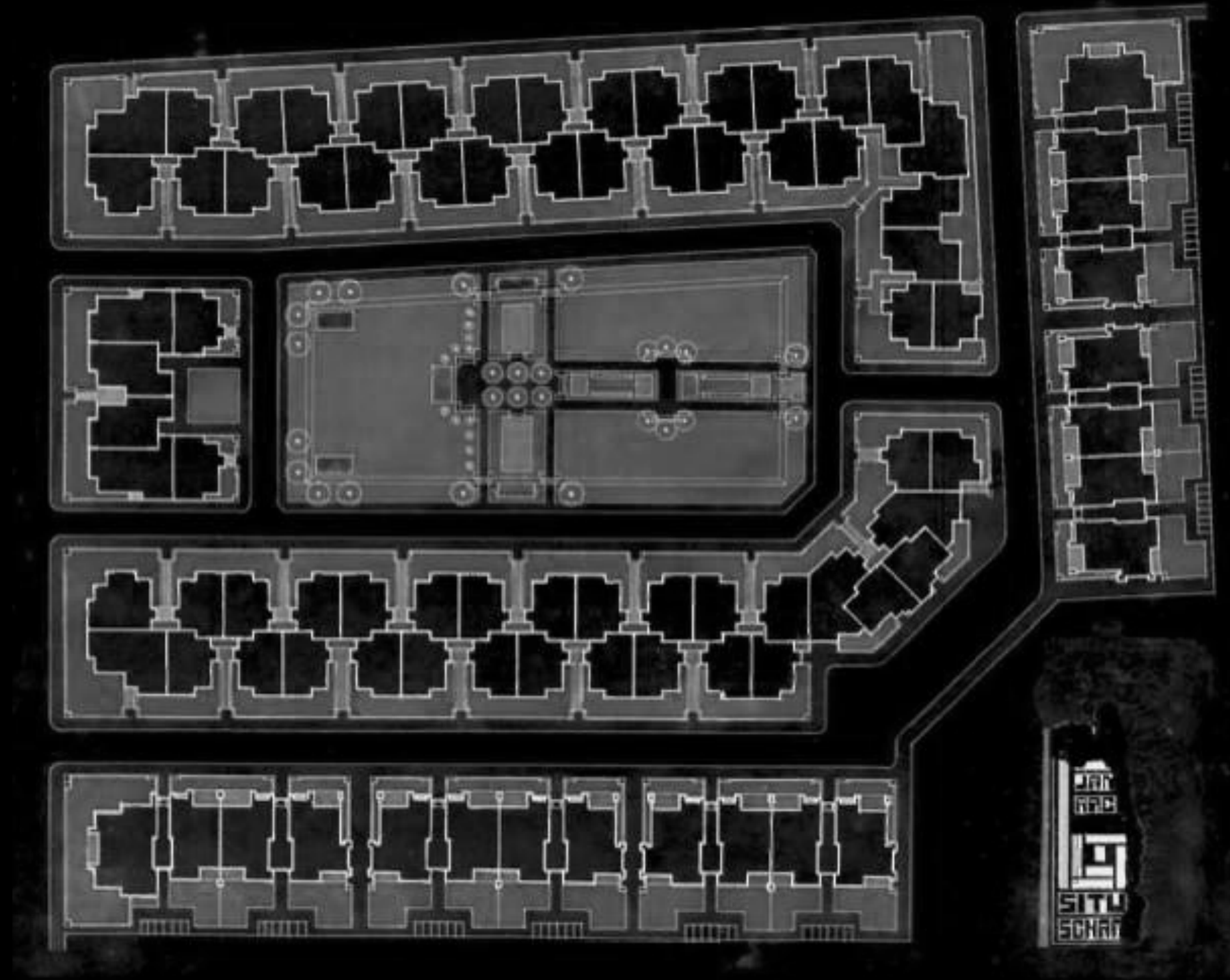


DEN HAAG, THE NETHERLANDS
TEMPERATE

FLOOR PLANNING FOR NATURAL VENTILATION

52.076218, 4.261680





STAGGERED UNITS //
ASSURED VENTILATION

1920

RENOVATIONS //
VENTILATION SYSTEM //

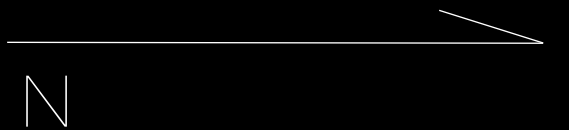
2004 - 2006

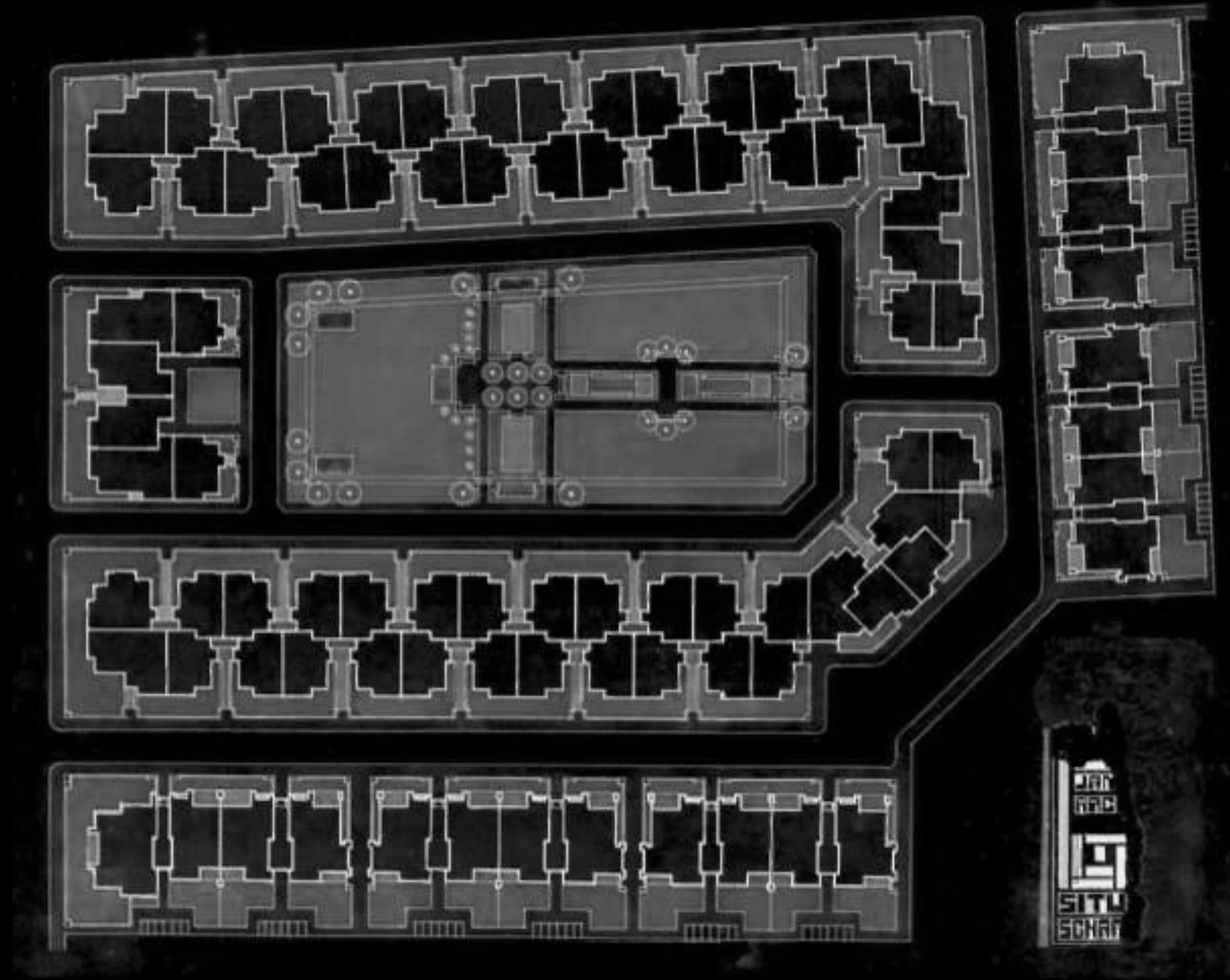
■ KITCHENS
■ BATHROOMS

DEN HAAG, THE NETHERLANDS
TEMPERATE

FLOOR PLANNING FOR NATURAL VENTILATION

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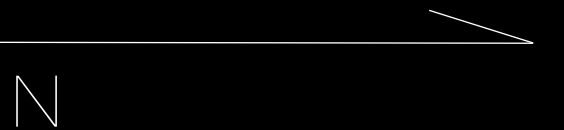


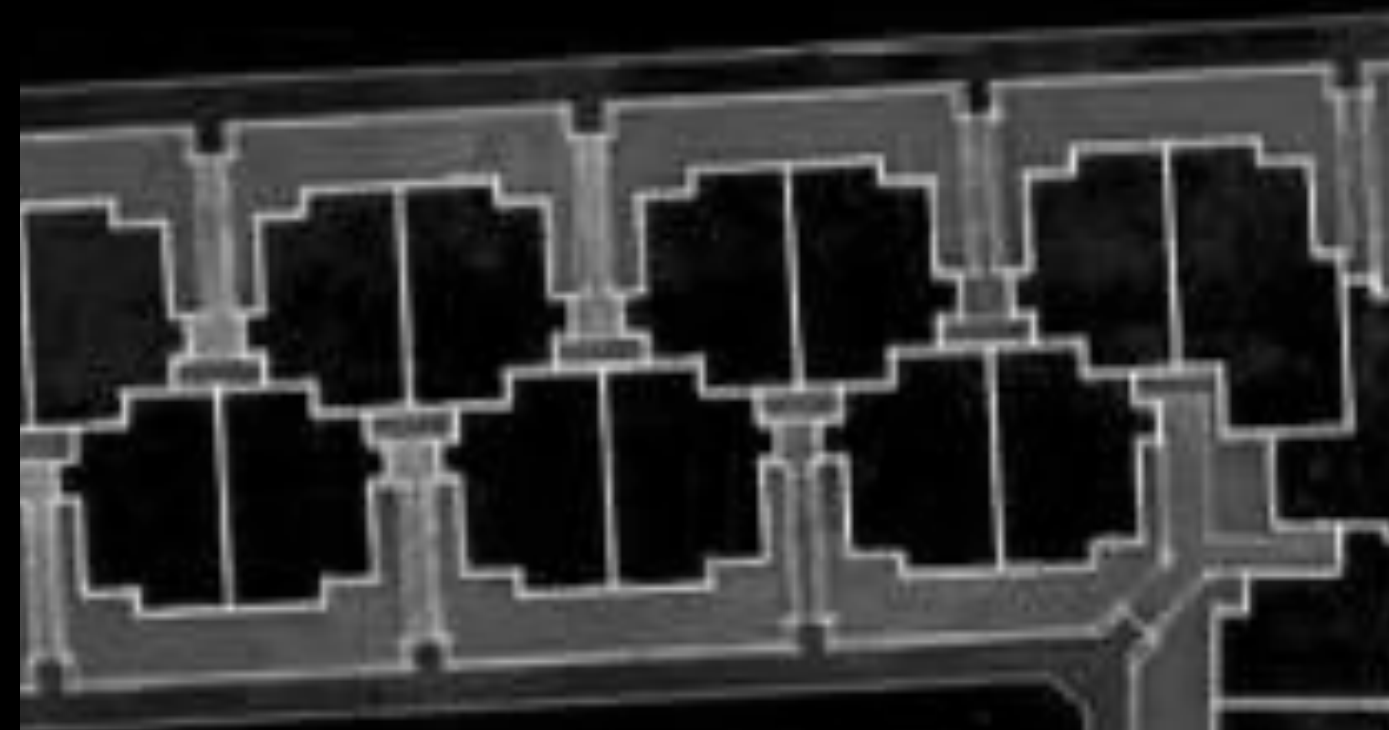
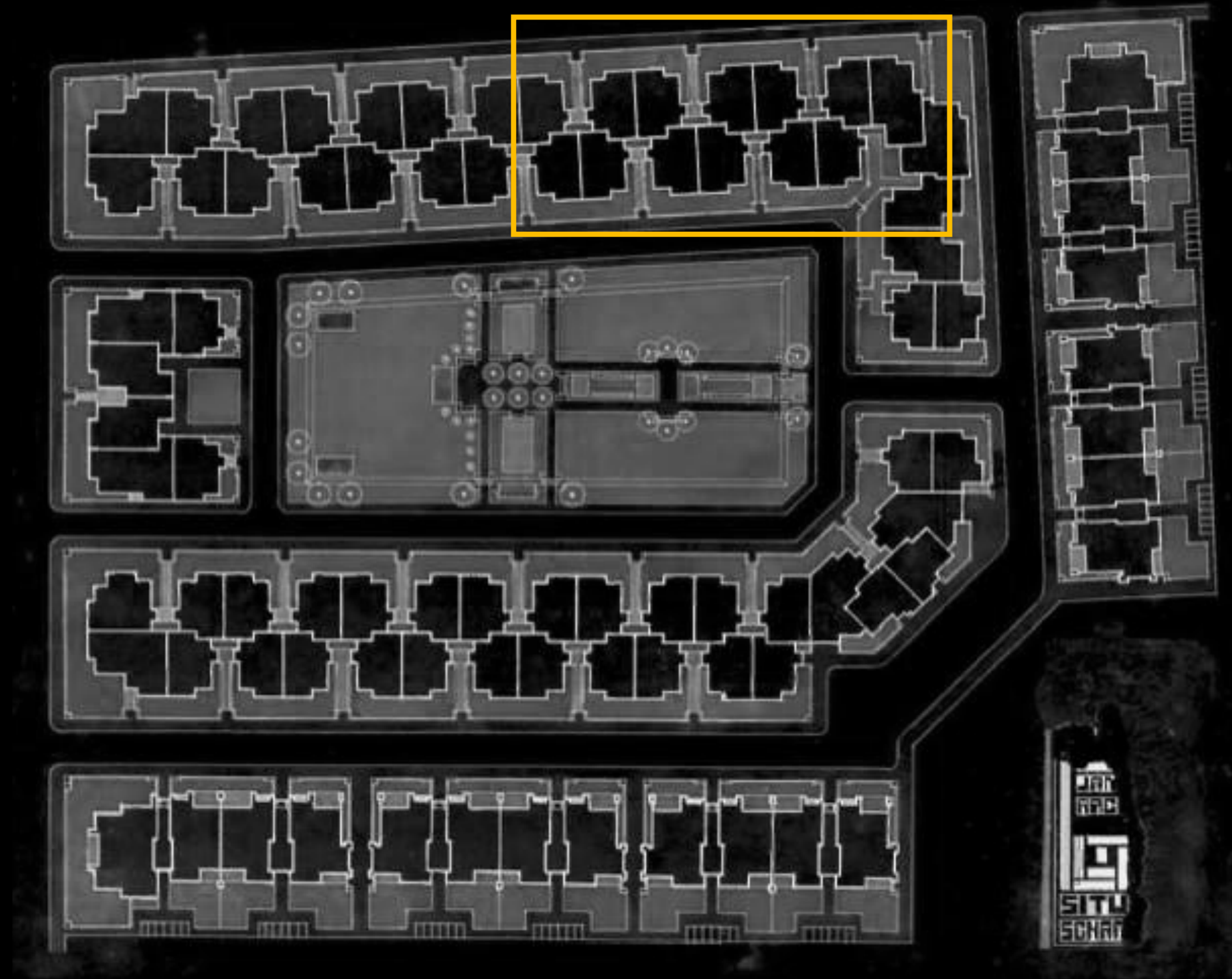


SPACING DEVELOPMENT FOR SOLAR ACCESS

DEN HAAG, THE NETHERLANDS
TEMPERATE

52.076218, 4.261680





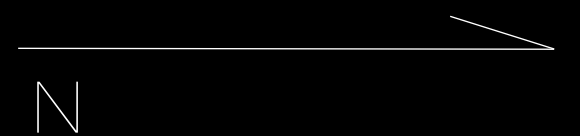
BACK TO BACK UNITS //
SPACE LEFT
OPEN IN MIDDLE-
BACK OF HOUSES

SOLAR ACCESS//
KITCHEN
BEDROOM

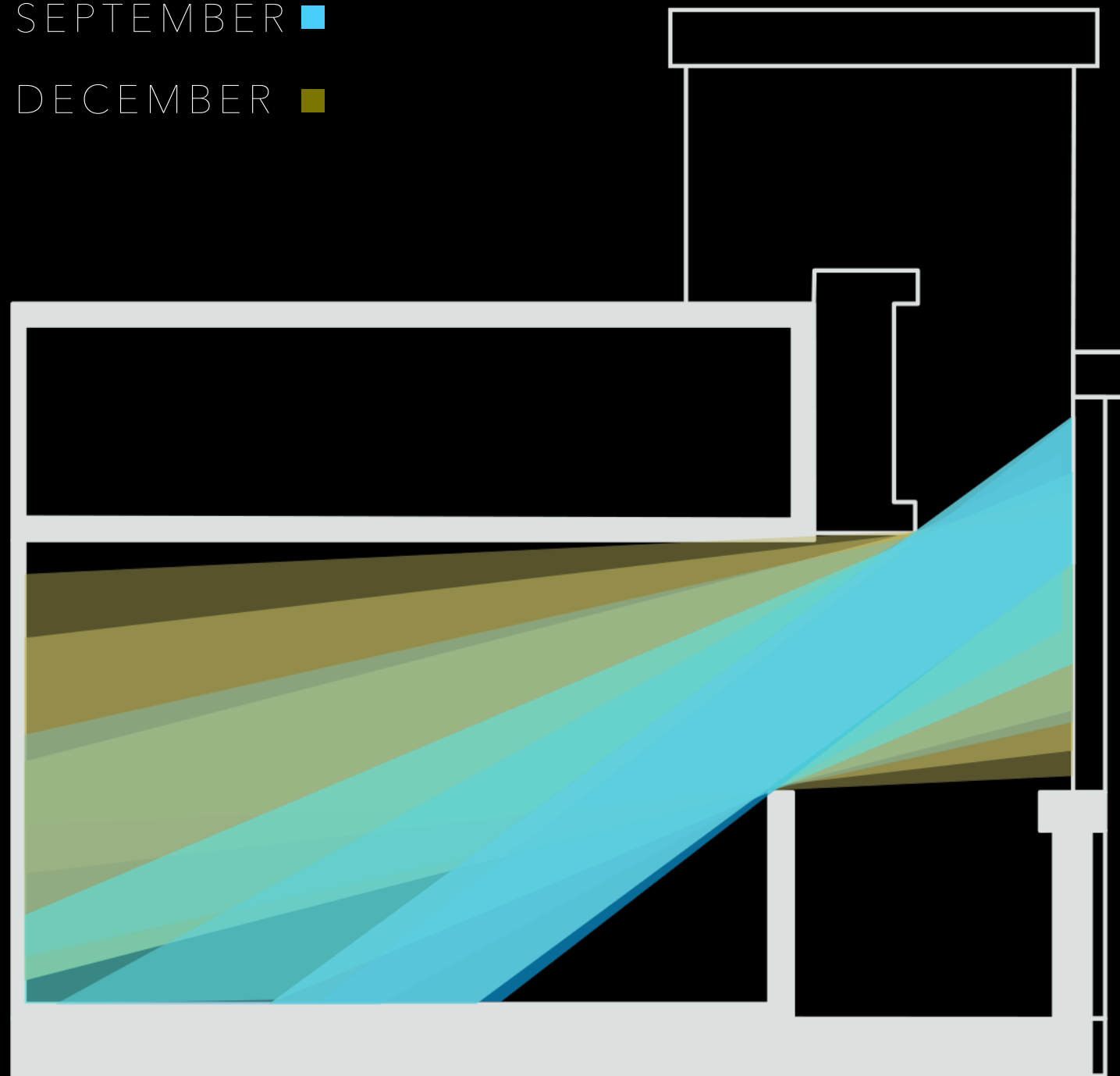
DEN HAAG, THE NETHERLANDS
TEMPERATE

SPACING DEVELOPMENT FOR SOLAR ACCESS

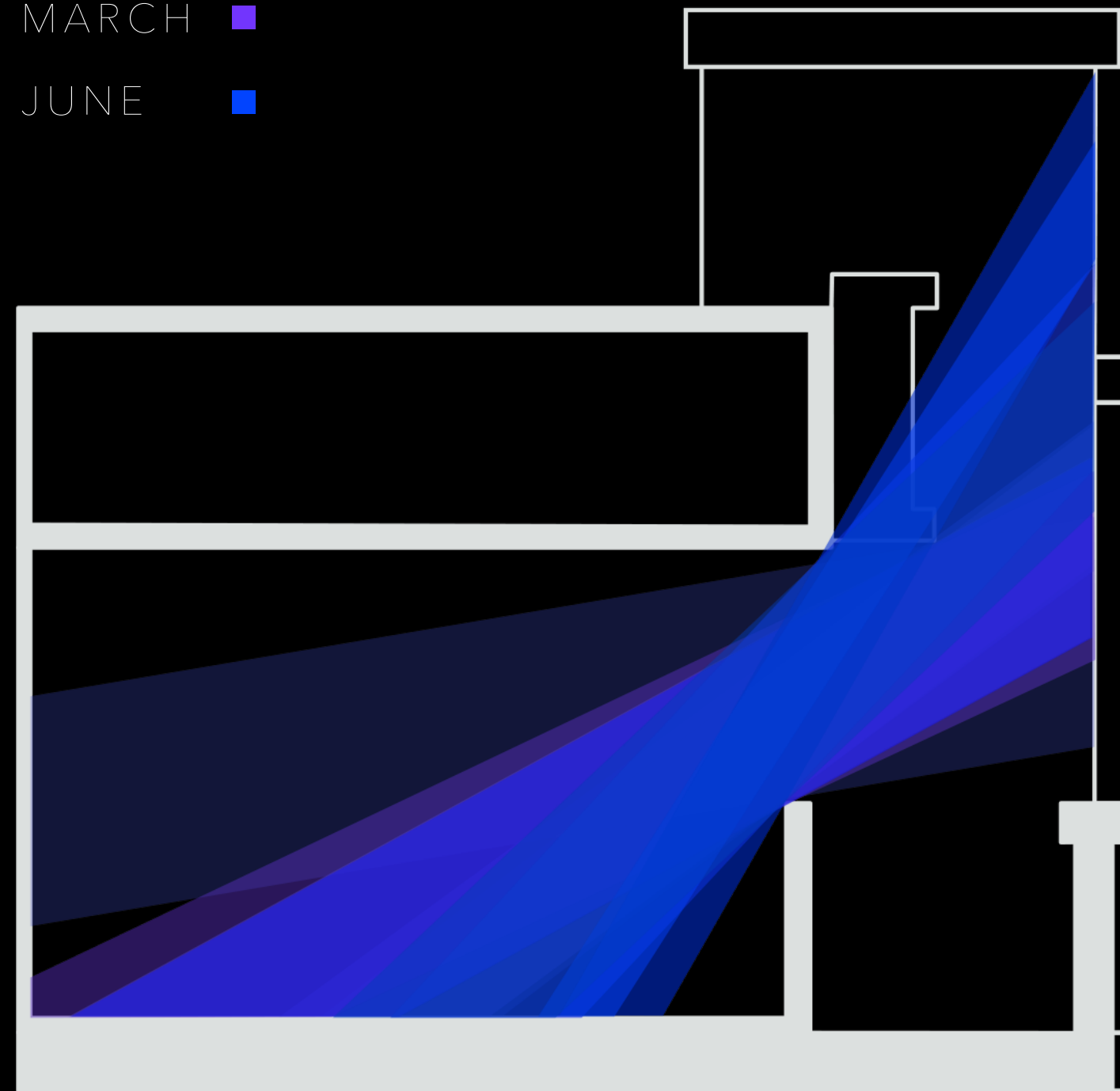
52.076218, 4.261680



SEPTEMBER ■
DECEMBER ■



MARCH ■
JUNE ■



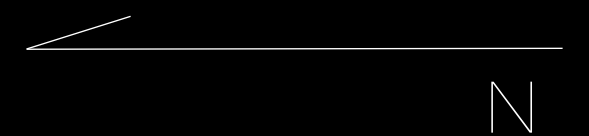
BACK TO BACK UNITS //
SPACE LEFT
OPEN IN MIDDLE-
BACK OF HOUSES

SOLAR ACCESS//
KITCHEN
BEDROOM

DEN HAAG, THE NETHERLANDS
TEMPERATE

SPACING DEVELOPMENT FOR SOLAR ACCESS

52.076218, 4.261680





DEN HAAG, THE NETHERLANDS
TEMPERATE

SOLAR SHADING

52.076218, 4.261680



WINDOWS //
INDENTED INTO HOUSING

BALCONIES //
OVERHANG FOR LIVING ROOMS

SOLAR SHADING

DEN HAAG, THE NETHERLANDS
TEMPERATE

52.076218, 4.261680

This complex became his breakthrough as an architect.

Today it is known as a Dutch national heritage site.

WORKS CITED //

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"DAAL EN BERG." *DAAL EN BERG*. N.P., N.D. WEB. 04 FEB. 2015.

"DAAL EN BERG HOUSES BY JAN WILS AT GREATBUILDINGS." *GREATBUILDINGS*. N.P., N.D. WEB. 03 FEB. 2015.

SHERWOOD, ROGER. *MODERN HOUSING PROTOTYPES*. CAMBRIDGE, MA: HARVARD UP, 1978. PRINT.

