

# MODERN RESIDENTIAL ARCHITECTURE

Joseph T. Wunderlich Ph.D.



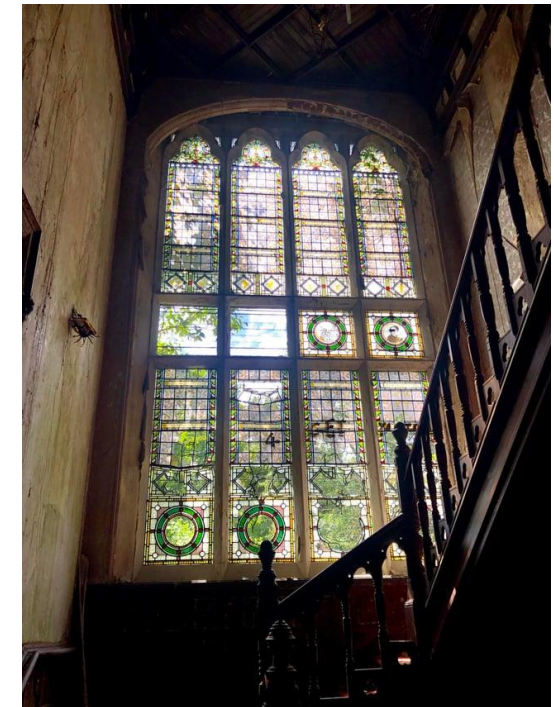
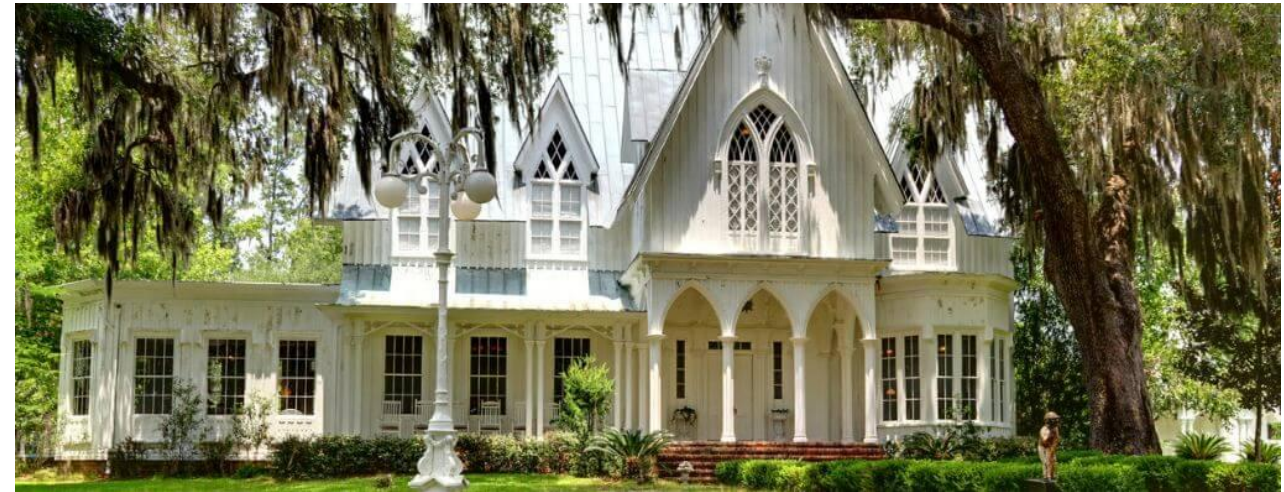
## Mid 1800's AD Gothic REVIVAL

**Vertical emphasis:** Tall spires, steep roofs, and high pinnacles draw eye upward toward heavens, **like medieval 1100's to 1400 AD cathedrals.**

**Pointed arches** for windows, doorways, and decorative elements, creates a sense of **height and drama.**

**Stained glass** to create **colorful and dramatic** interior light.

**Irregular layout**, unlike the symmetry of Neoclassical designs, many Gothic Revival houses had **asymmetrical, unpredictable floor plans.**



# ART NOUVEAU

(“New Art” in French)

- **ART & ARCHITECTURE**
- Turn of the century **1800/1900 AD**
- Highly decorative style
- Intent was something **“Excitingly New”**
- Inspired by:
  1. Gothic Revival
  2. William Morris (England)
  3. Arts of China and Japan

# ART NOUVEAU

Inspired by:

1. Gothic Revival
2. William Morris (England)
3. Arts of China and Japan

**The ENGLISH Arts and Crafts Movement:** Morris championed **hand craftsmanship** and natural materials as a **rejection of** the dehumanizing effects of the **ENGLISH Industrial Revolution.....**

William Morris

(1834–1896) England, founder of the **Arts and Crafts Movement**, who's work in **textiles** and **wallpaper** transformed Victorian interior design



# MODERN ART & ARCHITECTURE

English Industrial Revolution (1760–1830 AD) was a textile-focused transition based on coal and iron

American Industrial Revolution (1840s–1900s AD) was a more technological revolution focused on transportation, steel, and foreign immigration to fill a labor shortage.

The **American Civil War** and the American Industrial Revolution were deeply intertwined, with the much more manufacturing in the North

Feature	1860–1910 AD	1890–1930 AD
	<u>England (Arts and Crafts)</u>	<u>United States (Craftsman)</u>
Primary Goal	Social reform and elevated craft status.	Affordable, high-quality housing for the middle class.
Stance on Industry	Largely anti-industrial; insisted on handwork.	Pragmatic; used machines for preparation, finished by hand.
Social Focus	Strong undercurrent of socialism and utopian guilds.	Less political; focused on the "simple life" and home ownership.

## ART NOUVEAU

Inspired by:

1. Gothic Revival
2. William Morris (England)
3. **Arts of China and Japan**

### Influences from Chinese Art

**Ceramic Glazes and Techniques:** European potters emulated Chinese glazing methods and porcelain finishes to achieve the **organic, iridescent** looks popular in the movement.

**Nature Motifs:** Chinese symbols like the **peacock** and **crane** were integrated into interiors



The Peacock Room was a dining room in a London home

# ART NOUVEAU

Inspired by:

1. Gothic Revival
2. William Morris (England)

## 3. Arts of China and Japan

### Influences from Japanese Art

- The "**WHIPLASH LINE**": S-curves of Art Nouveau inspired by **flowing lines** of Japanese calligraphy and woodblock prints
- **Flat Perspective**: flat areas of color and bold silhouettes, **abandoning traditional Western linear perspective**
- **Asymmetrical Composition**: Instead of centered, balanced Western layouts, designers used off-center focal points and "empty" space (ma), mimicking Japanese print compositions
- **Nature as Symbol**: While Western art often used nature for background, Japanese art treated it as a primary subject. Art Nouveau adopted specific Japanese motifs such as **Insects, Dragonflies and butterflies which were spiritually significant** in the East
- **Flora**: Irises, wisteria, and chrysanthemums became central decorative themes.



Japanese woodblock print



[https://www.google.com/search?vsid=CIGRndrrn7rQeQeQaheBIRiODtkZT12NC0vZTVLTO3ZGfUODYvNS0wz6E4ZmM4ZDUzMDIyevIcncocKJzCISz2mUz2HV1xK6ZfEmNjgZ2WIZDBImy00m8hLWmMmQNDhmYRIMTY4MzQwEkEPyIbnMvncovYrm5y29ydyIbnMvbgVucy1mcmduoGvuzC1hcGkyvChVZCSz2W5tLWzYb250Z5KLWewas8yD0Dio9cn59ZetaW&vsint=CAlqDacCacAcAggKGAgaTqjChYNAAAAxUAAAA\\_HQAAgD8IAACAPzABEPQBGMB8IQAAgD8&urid=26&ins\\_mode=un&source=ins.web.gisvli&vsidm=244\\_2078gessiofid=GT0hLwv93C5m2Gqv923mXpntChQI3l0vAahB95EAQVgVcKcG8&se=ssionid=ssyIhRm\\_thbRlCccCM5i34l5dauWl-1hNMf66shcapvNKs3&ins\\_surfaces=19&authuser=0&ins\\_vfs=8&scit=1773245979278bww=1536&bit=826&ved=0CBgQh6Gg-hcEwIYPKz9ZetaXUAAAAHAAAAAQig&tbnid=UD4qHGs64KM&itcx=2](https://www.google.com/search?vsid=CIGRndrrn7rQeQeQaheBIRiODtkZT12NC0vZTVLTO3ZGfUODYvNS0wz6E4ZmM4ZDUzMDIyevIcncocKJzCISz2mUz2HV1xK6ZfEmNjgZ2WIZDBImy00m8hLWmMmQNDhmYRIMTY4MzQwEkEPyIbnMvncovYrm5y29ydyIbnMvbgVucy1mcmduoGvuzC1hcGkyvChVZCSz2W5tLWzYb250Z5KLWewas8yD0Dio9cn59ZetaW&vsint=CAlqDacCacAcAggKGAgaTqjChYNAAAAxUAAAA_HQAAgD8IAACAPzABEPQBGMB8IQAAgD8&urid=26&ins_mode=un&source=ins.web.gisvli&vsidm=244_2078gessiofid=GT0hLwv93C5m2Gqv923mXpntChQI3l0vAahB95EAQVgVcKcG8&se=ssionid=ssyIhRm_thbRlCccCM5i34l5dauWl-1hNMf66shcapvNKs3&ins_surfaces=19&authuser=0&ins_vfs=8&scit=1773245979278bww=1536&bit=826&ved=0CBgQh6Gg-hcEwIYPKz9ZetaXUAAAAHAAAAAQig&tbnid=UD4qHGs64KM&itcx=2)

# MODERN RESIDENTIAL ARCHITECTURE

## Art Nouveau Housing

Architect: Victor **Horta**

Brussels, Belgium

1898



Victor Horta



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1898



**Victor Horta**



# MODERN RESIDENTIAL ARCHITECTURE

## **Art Nouveau Housing**

Architect: **Antoni Gaudí**



Gaudí in 1878, by [Pau Audouard](#)

<b>Born</b>	Antoni Gaudí i Cornet 25 June 1852 <a href="#">Reus</a> or <a href="#">Riudoms</a> , Catalonia, Spain <sup>[1][2]</sup>
<b>Died</b>	10 June 1926 (aged 73) <a href="#">Barcelona</a> , Catalonia, Spain
<b>Occupation</b>	Architect

# MODERN RESIDENTIAL ARCHITECTURE

## Art Nouveau Housing

### Casa Vicens

Architect: Antoni **Gaudí**

Barcelona, Spain

1883--1885



Gaudí in 1878, by Pau Audouard

# MODERN RESIDENTIAL ARCHITECTURE

## Art Nouveau Housing

### Casa Batlló

Architect: Antoni **Gaudí**

Barcelona, Spain

1904



Gaudí in 1878, by Pau Audouard

# MODERN RESIDENTIAL ARCHITECTURE

## Art Nouveau Housing

### Casa Mila

Architect: Antoni **Gaudí**

Barcelona, Spain

1906 -1912



Gaudí in 1878, by [Pau Audouard](#)

# MODERN RESIDENTIAL ARCHITECTURE

Architect: **Gerrit Rietveld**

## Gerrit Rietveld



Rietveld in 1962

<b>Born</b>	Gerrit Thomas Rietveld 24 June 1888 <a href="#">Utrecht</a> , Netherlands
<b>Died</b>	25 June 1964 (aged 76) Utrecht, Netherlands
<b>Occupation(s)</b>	Furniture designer and architect

# MODERN RESIDENTIAL ARCHITECTURE

## Schroder House

Architect: Gerrit Rietveld

Utrecht, Netherlands

1924



Gerrit Rietveld



Rietveld in 1962

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Gerrit Rietveld



Rietveld in 1962

<https://www.dezeen.com/2018/08/29/stijn-poelstra-photographs-mondrian-rietveld-schroder-house-architecture/>

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1924



Gerrit Rietveld



Rietveld in 1962

<https://www.designbestmagazine.com/en/design-culture/schroder-house-in-utrecht-design-stijl/>

Architect: **Le Corbusier**

## Le Corbusier



Le Corbusier in 1964

<b>Born</b>	Charles-Édouard Jeanneret-Gris <sup>[1]</sup> 6 October 1887 <a href="#">La Chaux-de-Fonds, Neuchâtel, Switzerland</a>
<b>Died</b>	27 August 1965 (aged 77) <a href="#">Roquebrune-Cap-Martin, Alpes-Maritimes, France</a>
<b>Nationality</b>	Swiss, French
<b>Occupation</b>	Architect

# MODERN RESIDENTIAL ARCHITECTURE

## Villa Savoye

Architect: **Le Corbusier**

Yvelines, France

1906 -1912



**Le Corbusier**



Le Corbusier in 1964

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**Le Corbusier**



Le Corbusier in 1964

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**Le Corbusier**



Le Corbusier in 1964

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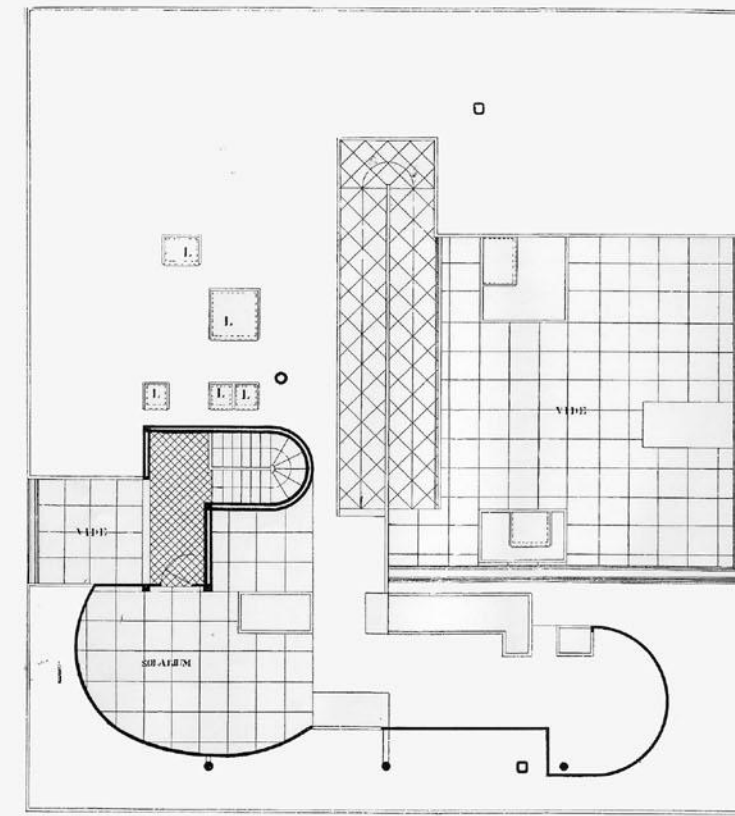
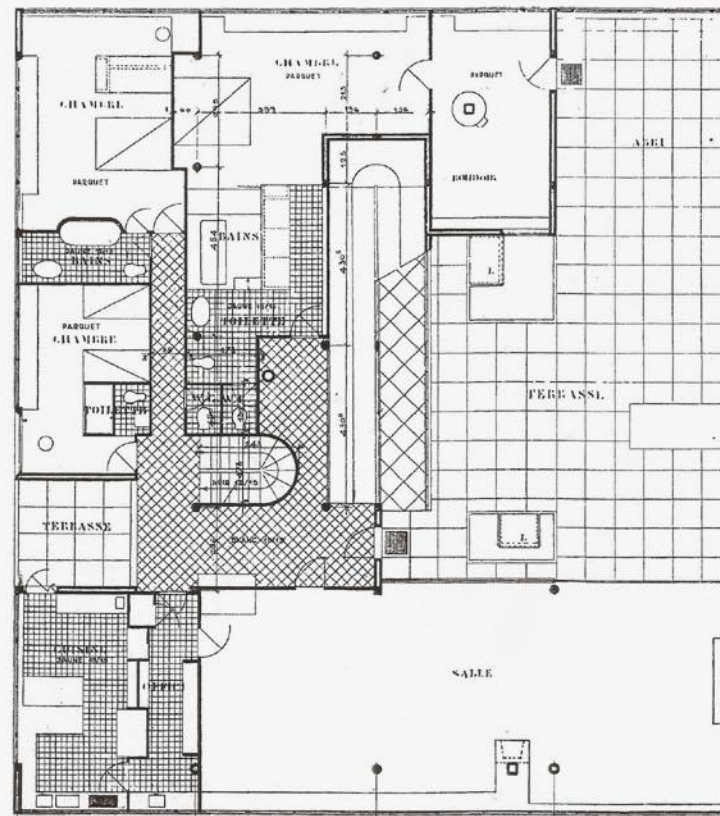
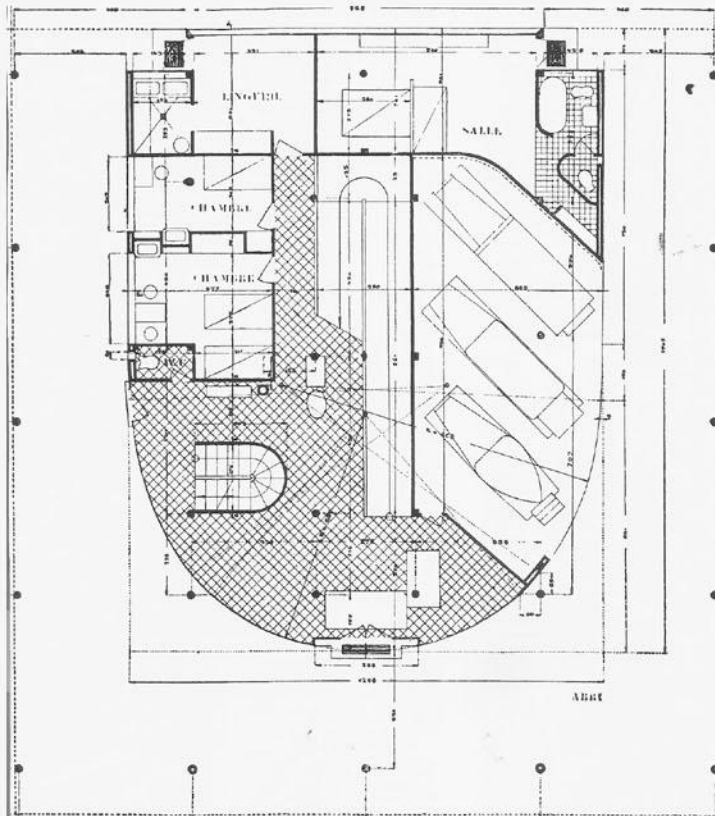
Yvelines, France

1906 -1912

Le Corbusier



Le Corbusier in 1964



# MODERN RESIDENTIAL ARCHITECTURE

Architect: **Richard Joseph Neutra**

## Richard Neutra



Neutra with a photo of the Beard House, 1935

<b>Born</b>	Richard Joseph Neutra April 8, 1892 <a href="#">Vienna, Austria-Hungary</a>
<b>Died</b>	April 16, 1970 (aged 78) <a href="#">Wuppertal, West Germany</a>
<b>Occupation</b>	Architect

# MODERN RESIDENTIAL ARCHITECTURE

## Lovell Health House

Architect: Richard Joseph **Neutra**

California

1927-1929



**Richard Neutra**



Neutra with a photo of the Beard House, 1935

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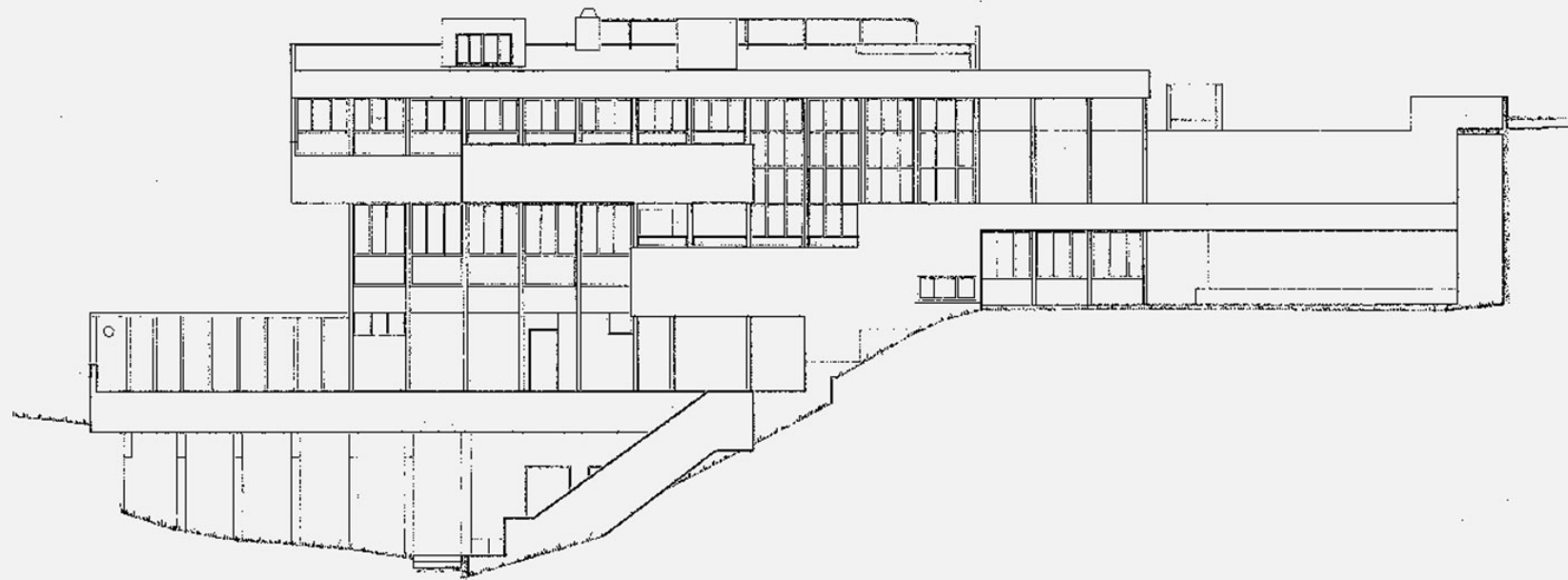
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## Lovell Health House

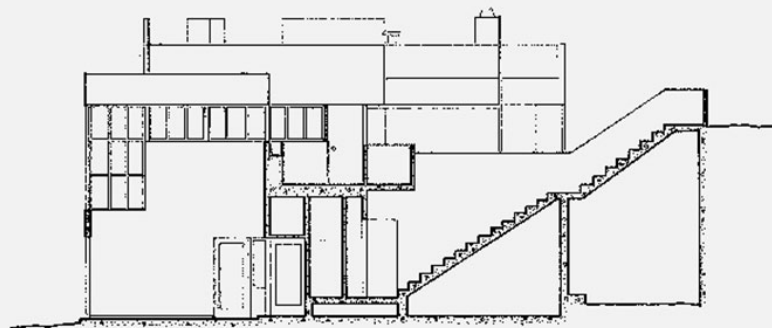
Architect: Richard Joseph **Neutra**

California

1927-1929



SOUTH ELEVATION  
SCALE: 1/8"=1'-0"



Richard Neutra



Neutra with a photo of the Beard House, 1935

<https://interactive.wttw.com/ten/homes/more/lovell-health>

# MODERN RESIDENTIAL ARCHITECTURE

Architect: **Mies van der Rohe**

Ludwig Mies van der Rohe



<b>Born</b>	Maria Ludwig Michael Mies March 27, 1886 <a href="#">Aachen, Kingdom of Prussia, German Empire</a>
<b>Died</b>	August 17, 1969 (aged 83) <a href="#">Chicago, Illinois, U.S.</a>
<b>Citizenship</b>	Germany (1886–1944) United States (1944–1969)
<b>Occupation</b>	Architect

# MODERN RESIDENTIAL ARCHITECTURE

## Farnsworth House

Architect: **Mies van der Rohe**

Plano, Illinois

1945-1951



Ludwig Mies van der Rohe



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Architect: **Mies van der Rohe**

Plano, Illinois

1945-1951



**Ludwig Mies van der Rohe**



Ludwig Mies van der Rohe



1951 | THE FARNSWORTH HOUSE  
 Plano, IL | Dr. Edith Farnsworth House

INDEX OF DRAWINGS

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  - 4. NORTH/SOUTH ELEVATIONS
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  - 6. INTERIOR ELEVATIONS
  - 7. INTERIOR ELEVATIONS AND DETAILS
  - 8. DETAILS
- BOAT HOUSE (L-1105-A)
  - 1. PLAN AND ELEVATIONS
  - 2. ELEVATIONS AND SECTIONS
- SWIMMING POOL (L-1105-B)
  - 1. PLAN AND DETAIL
- GARAGE (L-1105-C)
  - 1. PLAN, ELEVATIONS AND SECTION
- VISITOR CENTER (L-1105-D)
  - 1. PLAN AND ELEVATIONS
- BOB ROY BRIDGE (L-1105-E)
  - 1. PLAN AND ELEVATIONS
- WALK BRIDGE (L-1105-F)
  - 1. PLAN, SECTION

STATEMENT OF SIGNIFICANCE

DESIGNED BY LUDWIG MIES VAN DER ROHE BEGINNING IN 1945-46, AND FINALLY CONSTRUCTED IN 1951, THE FARNSWORTH HOUSE REPRESENTS THE APEX OF MID-CENTURY MODERN AMERICAN ARCHITECTURE. BUILT AS A COUNTRY RETREAT FOR A WOMAN SYMPATHETIC TO HIS AESTHETIC AIM, THE HOUSE COMES AS CLOSE AS POSSIBLE TO ACHIEVING MIES' VISION OF "ALMOST NOTHING," REDUCING EVERY ELEMENT TO ITS ESSENCE. MORE TEMPLE THAN HOME, THE HOUSE WAS BUILT ON AN UNDEVELOPED SITE ALONG THE FOX RIVER—AN OBJECT OF PLATONIC PERFECTION SET INTO A RURAL LANDSCAPE. A POWERFUL DICHOTOMY BETWEEN MAN AND NATURE, THE HOUSE'S SLONG HORIZONTAL PLANES REACH OUT, ENGAGING WITH THEIR SETTING ALL THE WHILE STARKLY CONTRASTING WITH IT. ALTHOUGH LITTLE CHANGED ITSELF, THE OWNERS OF THE FARNSWORTH HOUSE HAVE TRANSFORMED ITS SETTING, CRITICAL TO SUCH A TRANSPARENT STRUCTURE. MIES LOCATED THE HOUSE BESIDE A MATURE BLACK SUGAR MAPLE, AMONGST THE GRASSES OF THE PRAIRIE RIPARIAN ZONE. OVER TIME, THE THREE OWNERS OF THE SITE ADDED OUTLYING STRUCTURES TO SUPPORT A RESIDENTIAL, AND NOW, A MUSEUM USE, AND THE PRAIRIE GRASSES HAVE BEEN REPLACED BY A HIGH-MOW-LAWN. YEARS BEFORE ITS CONSTRUCTION, THE HOME'S DESIGN SKETCHES AND MODELS GARNERED ACCLAIM AND INSPIRED IMITATORS, AND THE HOUSE HAS CONTINUED TO SERVE AS AN ICON OF INTERNATIONAL STYLE DESIGN, REFERENCED, REVERED OR REVILED, BUT ALWAYS VISITED BY THE MERELY CURIOUS AND THE WORLDWIDE ARCHITECTURE COGNOSCENTI.

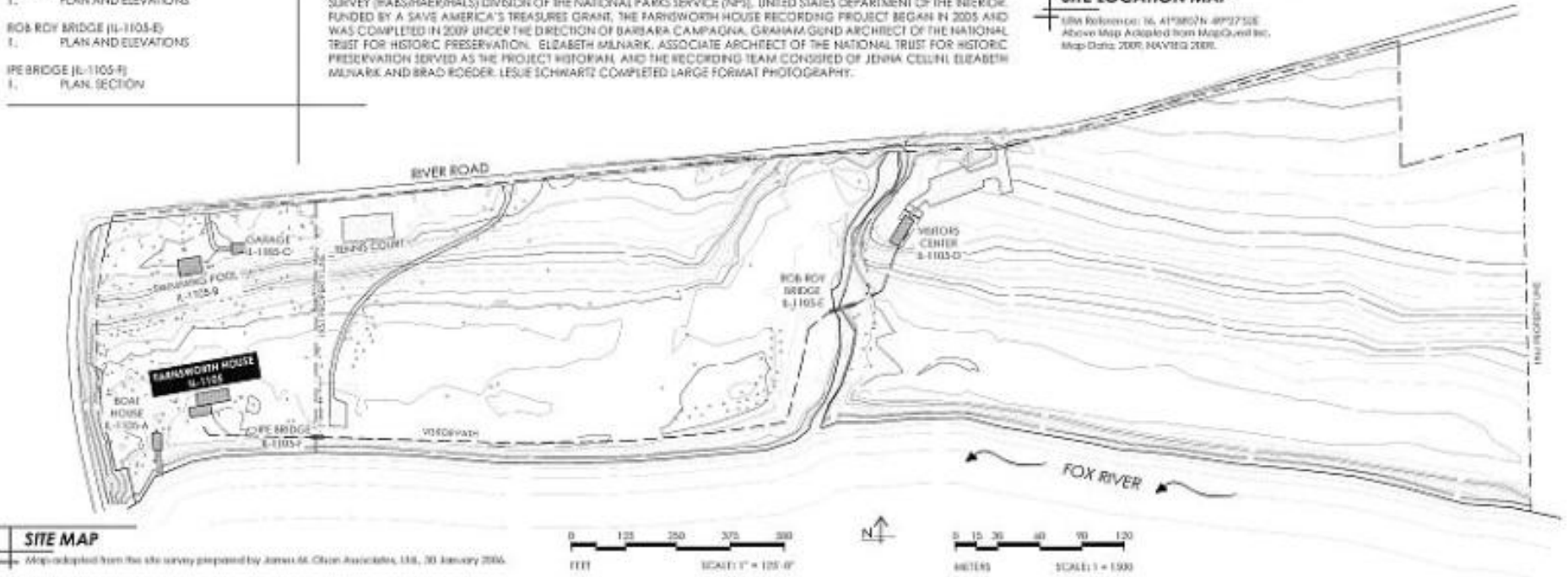
PROJECT CREDITS

THIS RECORDING PROJECT IS PART OF THE HISTORIC AMERICAN BUILDINGS SURVEY (HABS), A LONG-RANGE PROGRAM TO DOCUMENT HISTORICALLY SIGNIFICANT BUILDINGS IN THE UNITED STATES. THE HABS PROGRAM IS ADMINISTERED BY THE HISTORIC AMERICAN BUILDINGS SURVEY/HISTORIC AMERICAN ENGINEERING RECORD/HISTORIC AMERICAN LANDSCAPES SURVEY (HABS/HAER/HALS) DIVISION OF THE NATIONAL PARKS SERVICE (NPS), UNITED STATES DEPARTMENT OF THE INTERIOR. FUNDED BY A SAVE AMERICA'S TREASURES GRANT, THE FARNSWORTH HOUSE RECORDING PROJECT BEGAN IN 2005 AND WAS COMPLETED IN 2009 UNDER THE DIRECTION OF BARBARA CAMPAGNA, GRAHAM GUND ARCHITECT OF THE NATIONAL TRUST FOR HISTORIC PRESERVATION. ELIZABETH MILNARK, ASSOCIATE ARCHITECT OF THE NATIONAL TRUST FOR HISTORIC PRESERVATION SERVED AS THE PROJECT HISTORIAN, AND THE RECORDING TEAM CONSISTED OF JENNA CELLINI, ELIZABETH MILNARK AND BRAD RODEER. LESLIE SCHWARTZ COMPLETED LARGE FORMAT PHOTOGRAPHY.



SITE LOCATION MAP

Utm Reference: 16, 417367N, 892750E  
 Above Map Adapted from MapQuest Inc.  
 Map Date: 2005; NAVTEQ 2005





# MODERN RESIDENTIAL ARCHITECTURE

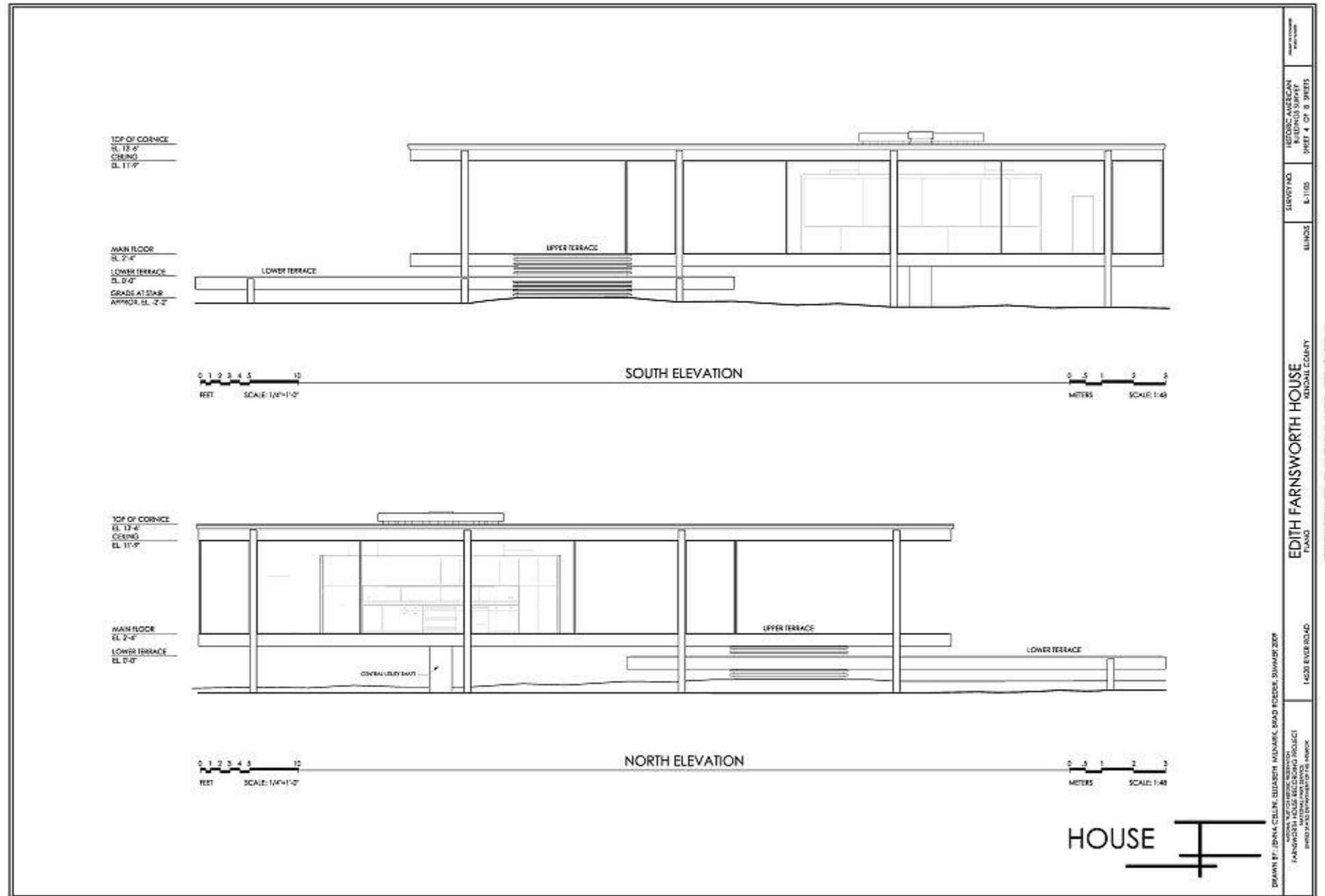
## Farnsworth House

Architect: **Mies van der Rohe**

Plano, Illinois

1945-1951

Ludwig Mies van der Rohe



<https://historicalamericanhomes.com/products/farnsworth-house-mies-van-der-rohe-1945>

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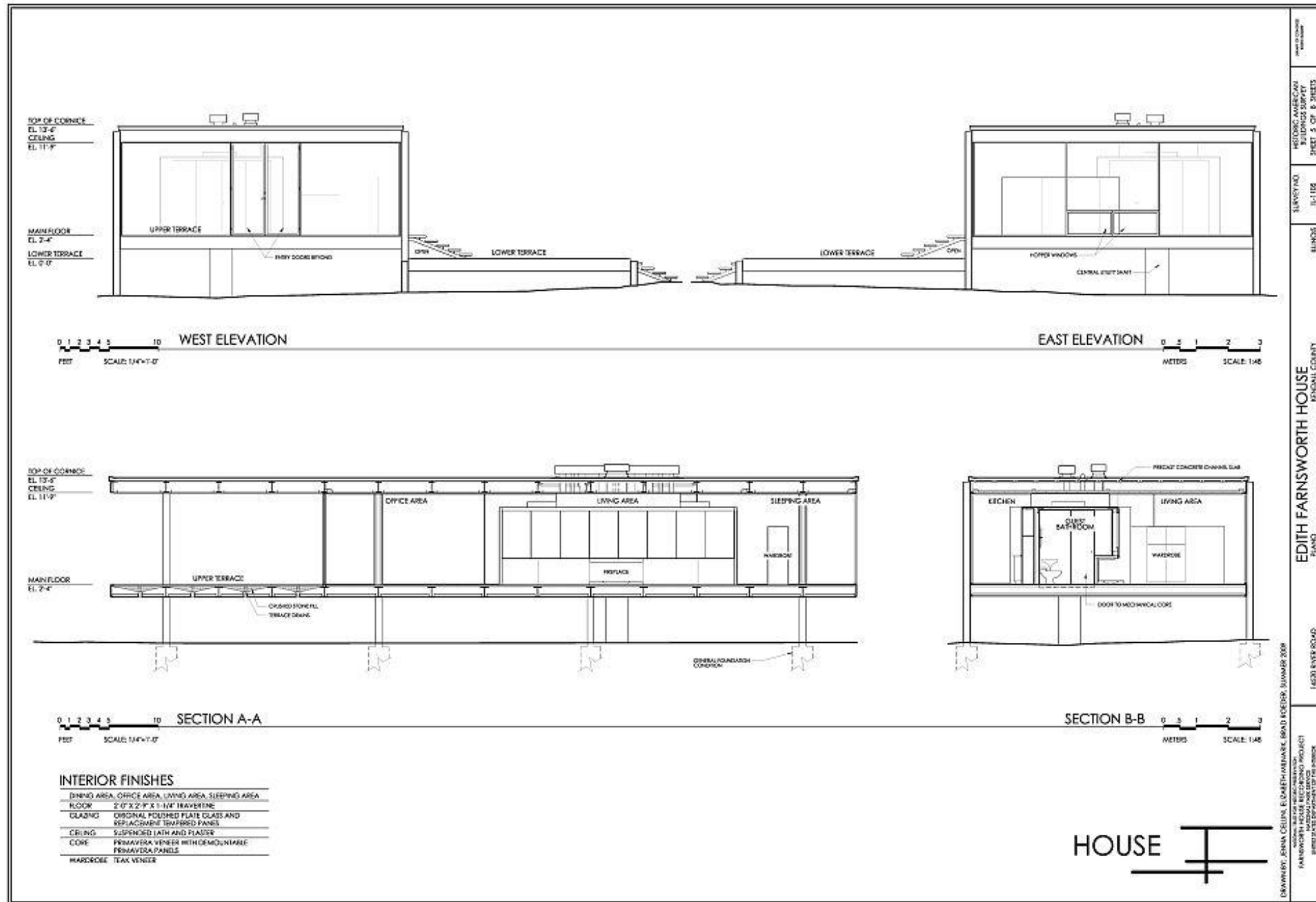
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HISTORIC AMERICAN BUILDINGS SURVEY  
SURVEY NO. IL-1188  
BLISS  
SHEET 5 OF 8 SHEETS  
EDITH FARNSWORTH HOUSE  
PLANO, ILLINOIS  
LEON KRYER ROAD  
DRAWING: ERNA CEILING, EDITH HABERLE, BRAD ROEHR, SUZANNE ZIPP  
REVISIONS: REVISION RECORDING PROJECT  
SHED DEVELOPMENT LIMITED FOR HOUSE

<https://historicamericanhomes.com/products/farnsworth-house-mies-van-der-rohe-1945>

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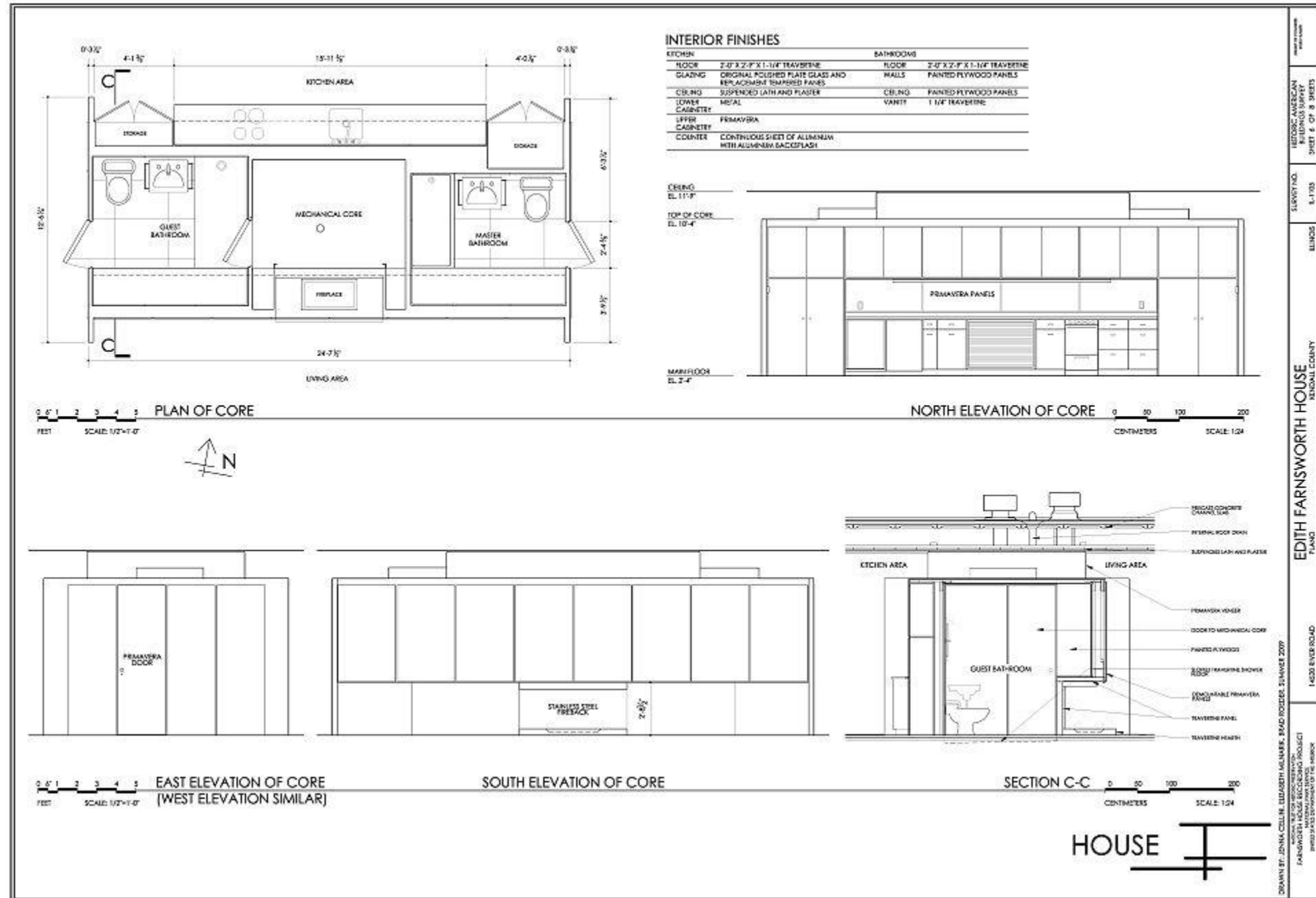
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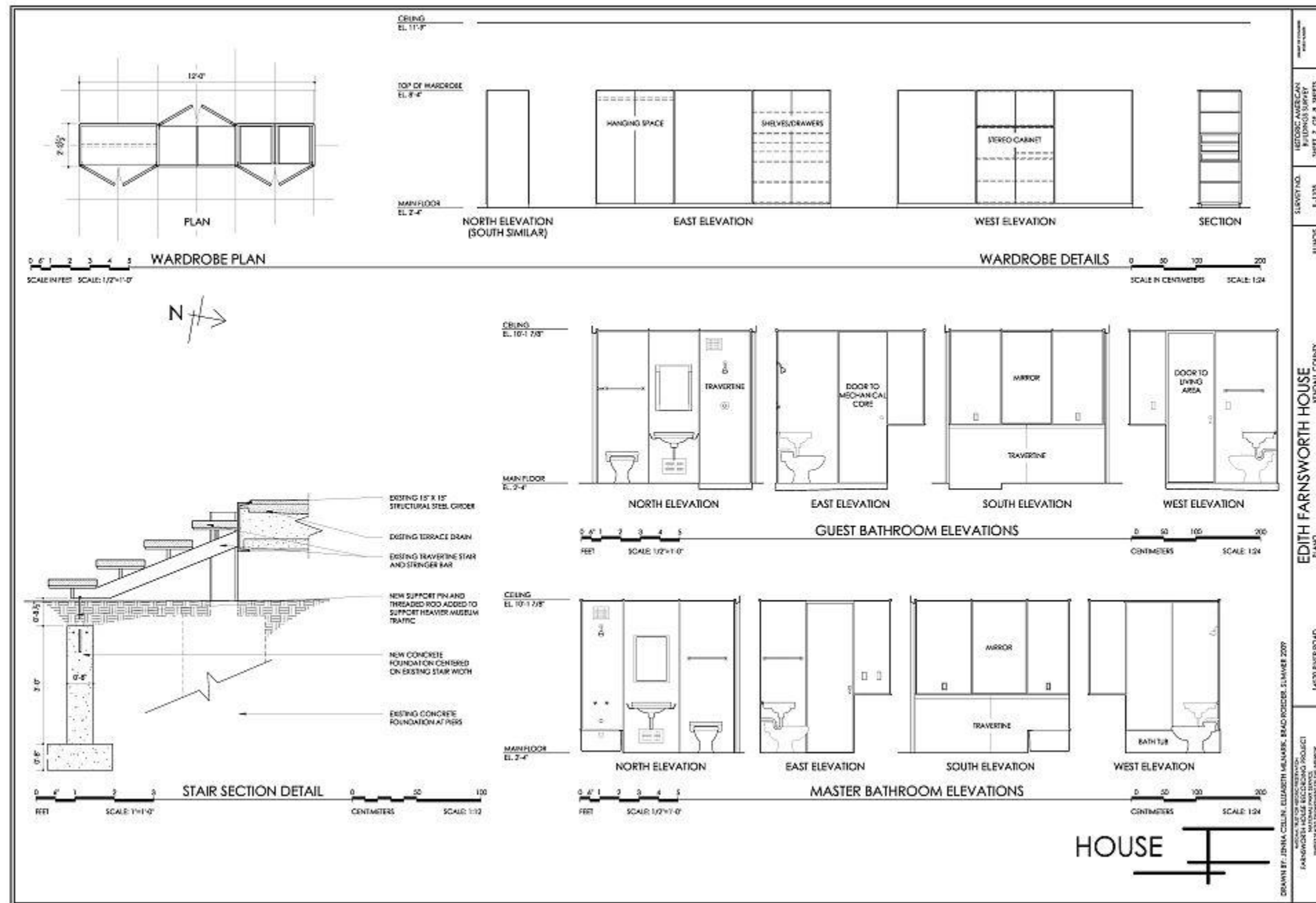
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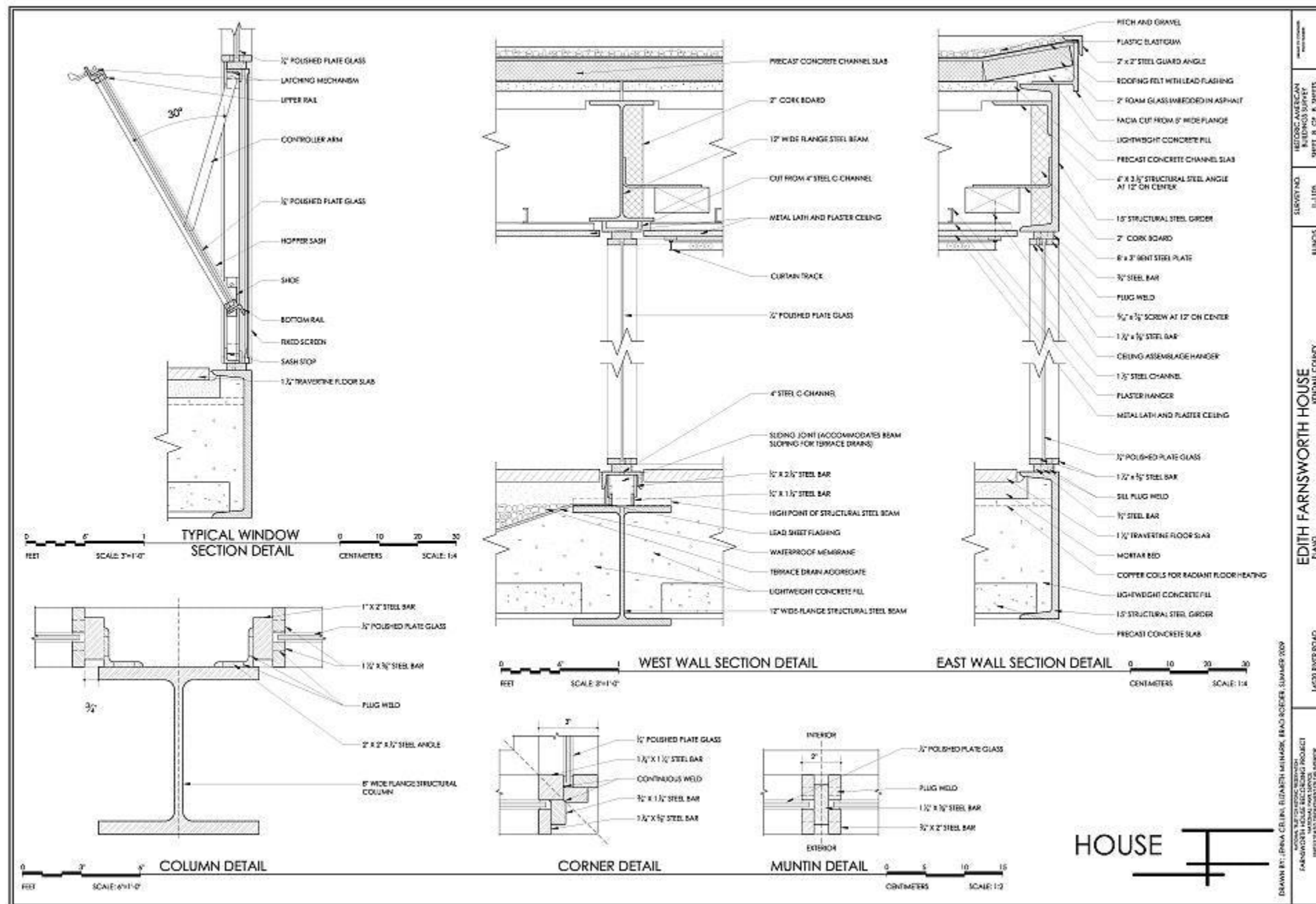
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<https://historicanericanhomes.com/products/farnsworth-house-mies-van-der-rohe-1945>

DRAWN BY: IRINA CELEBI, ELIZABETH MEINERIK, BRAD ROEDER, SUMNER 2009  
FARNSWORTH HOUSE REBUILDING PROJECT  
SHEET 8 OF 8 SHEETS

# MODERN RESIDENTIAL ARCHITECTURE

## Farnsworth House

Architect: **Mies van der Rohe**

Plano, Illinois

1945-1951

Ludwig Mies van der Rohe



Architect: **Philip Johnson**

## Philip Johnson



Johnson aged 95, with a model of a privately commissioned sculpture (2002)

<b>Born</b>	Philip Cortelyou Johnson July 8, 1906 <a href="#">Cleveland, Ohio, U.S.</a>
<b>Died</b>	January 25, 2005 (aged 98) <a href="#">New Canaan, Connecticut, U.S.</a>
<b>Alma mater</b>	<a href="#">Harvard Graduate School of Design</a>
<b>Occupation</b>	Architect

# MODERN RESIDENTIAL ARCHITECTURE

## Glass House

Architect: **Philip Johnson**

New Canaan, Connecticut

1948–1949



Philip Johnson



Architect: **Frank Gehry**

**Frank Gehry**

CC



Gehry in 2010

<b>Born</b>	Frank Owen Goldberg February 28, 1929 (age 94) <a href="#">Toronto</a> , Ontario, Canada
<b>Citizenship</b>	Canada · United States
<b>Alma mater</b>	<a href="#">University of Southern California</a>
<b>Occupation</b>	Architect

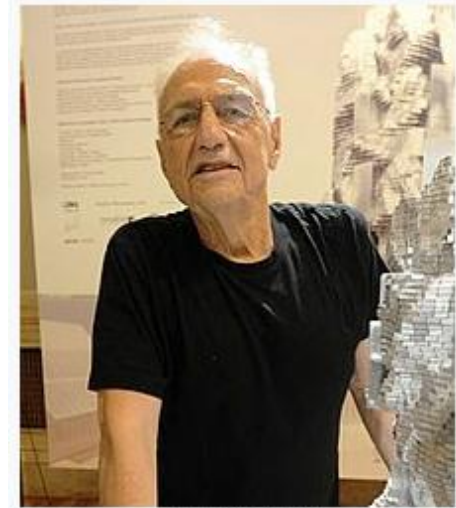
# MODERN RESIDENTIAL ARCHITECTURE

## Gehry Residence

Architect: Frank **Gehry**

Santa Monica, CA

1978



Gehry in 2010

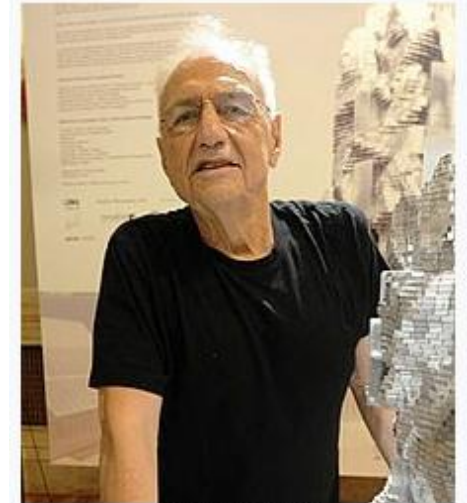
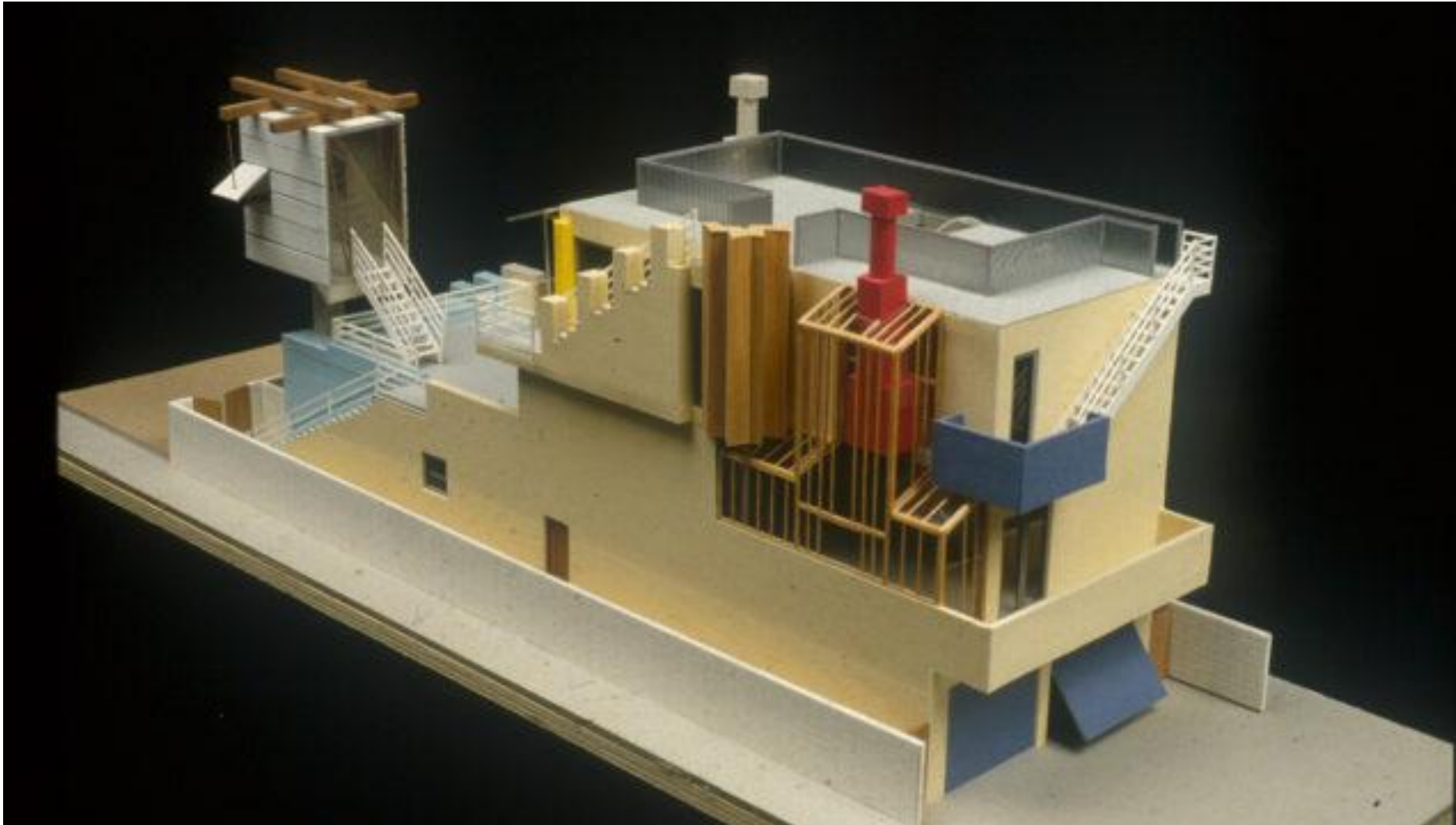
# MODERN RESIDENTIAL ARCHITECTURE

## Norton House

Architect: Frank Gehry

Venice, California

1984



Gehry in 2010

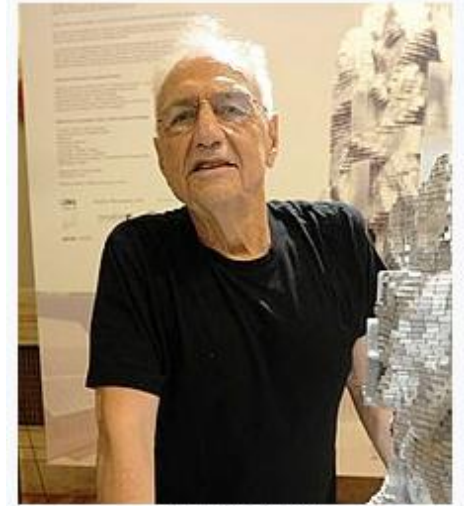
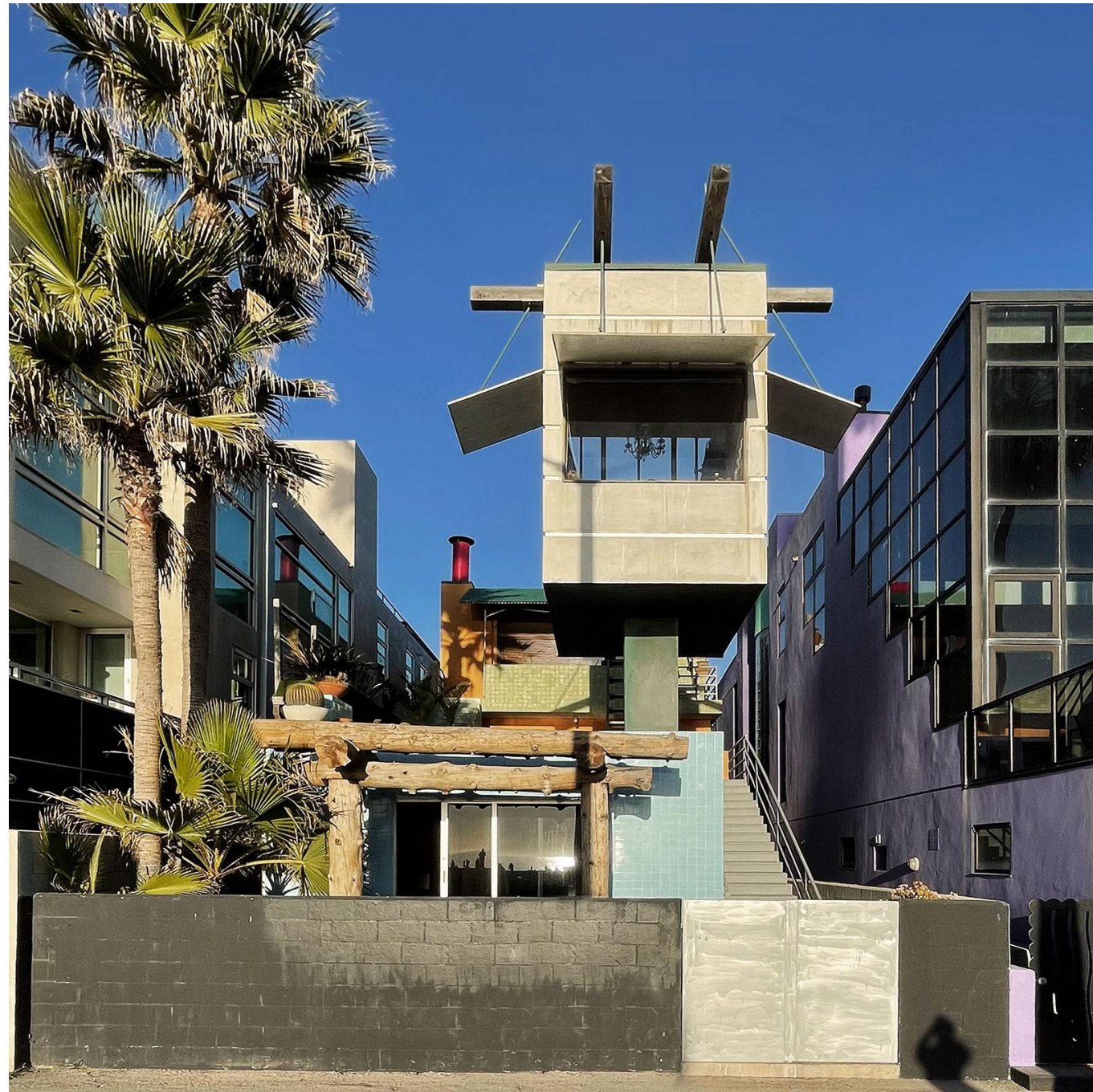
# MODERN RESIDENTIAL ARCHITECTURE

## Norton House

Architect: Frank Gehry

Venice, California

1984



Gehry in 2010

# POST-MODERN RESIDENTIAL ARCHITECTURE

Architect: Robert **Venturi**

**Robert Venturi**



Venturi in 2008

<b>Born</b>	Robert Charles Venturi Jr. June 25, 1925 <a href="#">Philadelphia, Pennsylvania, U.S.</a>
<b>Died</b>	September 18, 2018 (aged 93) Philadelphia, Pennsylvania, U.S.
<b>Alma mater</b>	<a href="#">Princeton University</a>
<b>Occupation</b>	Architect

# POST-MODERN RESIDENTIAL ARCHITECTURE

## Vanna Venturi House

Architect: Robert Venturi

Philadelphia PA

1962 -1964



Robert Venturi



Venturi in 2008

# POST-MODERN RESIDENTIAL ARCHITECTURE

## Vanna Venturi House

Architect: Robert Venturi

Philadelphia PA

1962 -1964

Robert Venturi



Venturi in 2008



# POST-MODERN RESIDENTIAL ARCHITECTURE

## Vanna Venturi House

Architect: Robert Venturi

Philadelphia PA

1962 -1964

Robert Venturi



Venturi in 2008

