

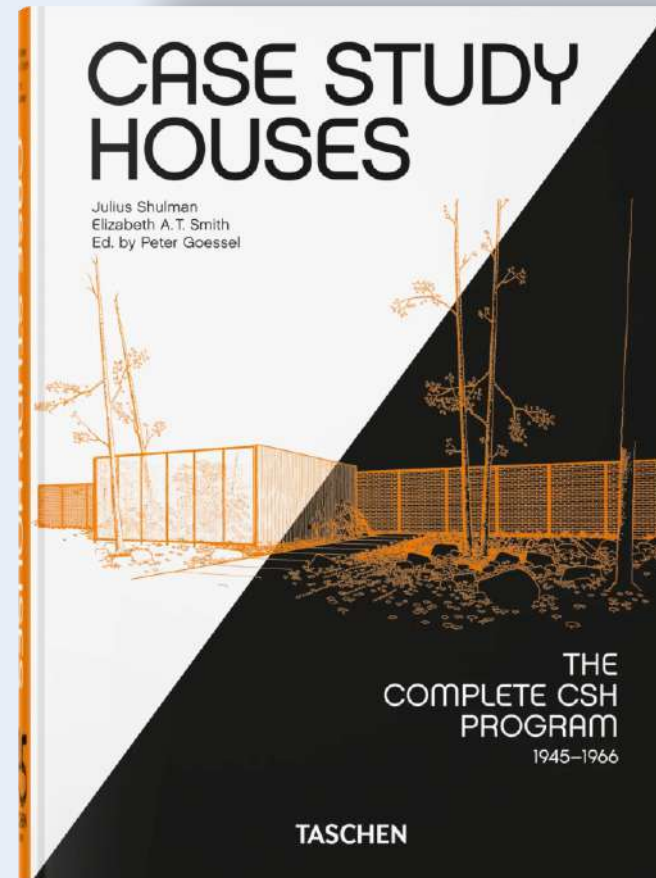
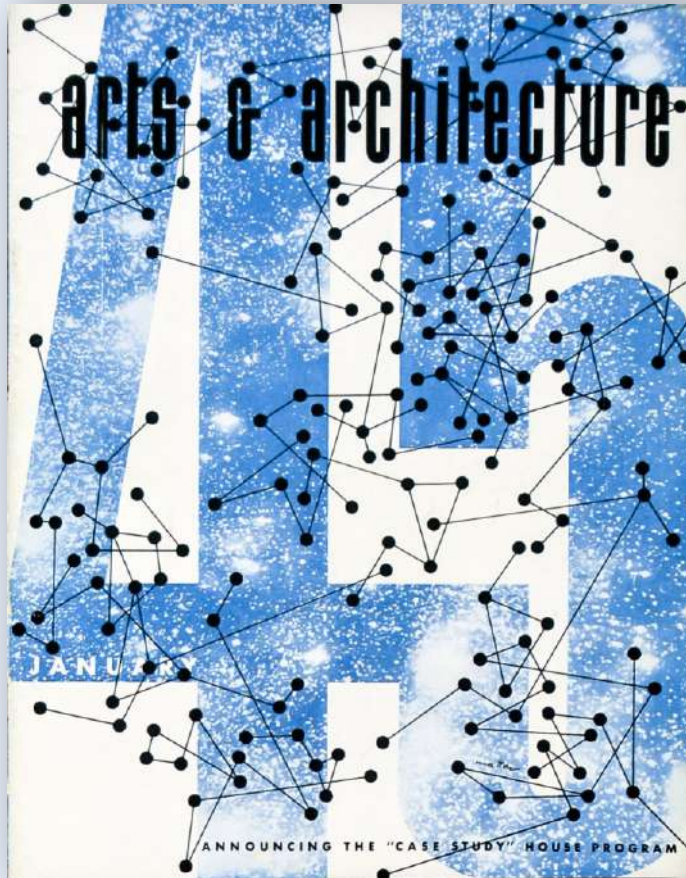
Trabajo Práctico N°4: Vigas continuas

Case Study Houses

Análisis de casos de estudio
asignados a cada grupo

12/05/2025

Case Study Houses 1946 - 1964



1900

1946

1966

2000



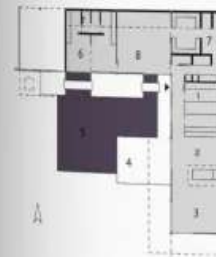
Case Study Houses 1946 - 1964



1959-1960 • CSH#22, Stahl House
Woods Drive, West Hollywood
Pierre Koenig

Left page:
Night view of living room

Right:
Exterior and carport seen from the north-west



Ground plan

1 Kitchen; 2 Dining room; 3 Living room;
4 Terrace; 5 Pool; 6 Children's room; 7 Bath;
8 Master bedroom

Among the most radical and reductive designs of the Case Study House program—as well as one of its most iconic images—this house is a simple pavilion situated on a promontory out of view of adjacent houses in the Hollywood Hills. Its L-shaped plan is organized around a swimming pool onto which all the major public rooms and private spaces face; a molded concrete footbridge provides passage over the pool from the carport to the entrance. Using only stock steel components to frame 20-foot wide modules of glass, Pierre Koenig succeeded in maximizing the potential of steel to enclose space in this extraordinarily minimal design. In the interior, the bedrooms occupy one wing of the plan, with dressing room and master bath clustered in the corner of the L adjacent to a utility core and the kitchen. The living wing of the house is entirely open, with steel columns and glass walls interrupted only by the kitchen appliances and cabinets and a freestanding steel fireplace that dominates the living room.

Case Study Houses 1946 - 1964

Año	House N°	Arquitecto	Ingeniero	Ubicación
1922	#1 (Schindler House)	Rudolph Schindler	No documentado	West Hollywood, California
1945	#2	Sumner Spaulding & John Rex	No documentado	Ubicación no especificada
1945	#3	William Wurster & Theodore Bernardi	No documentado	Ubicación no especificada
1946	#4 (Greenbelt House)	Ralph Rapson	No documentado	Los Ángeles, California (no construida)
1946	#5	Whitney R. Smith & Wayne R. Williams	No documentado	Altadena, California (no construida)
1946	#6 (Omega House)	Richard Neutra	No documentado	Los Ángeles, California (no construida)
1948	#7	Thornton M. Abell	No documentado	Pacific Palisades, California
1949	#8 (Eames House)	Charles y Ray Eames	Engineering Service Corporation	Pacific Palisades, California
1949	#9 (Entenza House)	Charles Eames y Eero Saarinen	Engineering Service Corporation	Pacific Palisades, California (demolida y modificada)
1947	#10	Kemper Nomland & Kemper Nomland Jr.	No documentado	Altadena, California
1948	#11	Julius Ralph Davidson	No documentado	Los Ángeles, California (demolida)
1945	#12	Julius Ralph Davidson	No documentado	La Jolla, California (no construida)
1945	#13	Julius Ralph Davidson	No documentado	Pasadena, California (no construida)
1946	#14	Craig Ellwood	No documentado	Los Ángeles, California (no construida)
1947	#15	Julius Ralph Davidson	No documentado	Los Ángeles, California (no construida)
1952	#16 (Yen House)	Craig Ellwood	Victor J. Paananen	Beverly Hills, California
1959	#17 (Bailey House)	Craig Ellwood	Victor J. Paananen	Los Ángeles, California
1958	#18 (Fields House)	Craig Ellwood	Victor J. Paananen	Beverly Hills, California
1949	#19	Don R. Knorr	No documentado	Altadena, California (no construida)
1947	#20 (Bailey House)	Richard Neutra	No documentado	Pacific Palisades, California
1958	#20 (Bass House)	Buff, Straub and Hensman	Paul W. Spann	Altadena, California
1958	#21 (Pierre Koenig House)	Pierre Koenig	William Porush	Los Ángeles, California
1950	#21 1950	Raphael Soriano	No documentado	Pacific Palisades, California (demolida)
1960	#22 (Stahl House)	Pierre Koenig	William Porush	Los Ángeles, California
1959	#23 "A"	Edward A. Killingsworth, Jules Brady & Vaugh Smith	No documentado	La Jolla, California (no construida)
1959	#23 "B" (Triplex)	Edward A. Killingsworth, Jules Brady & Vaugh Smith	No documentado	La Jolla, California (no construida)
1959	#24 (Walter House)	Buff, Straub and Hensman	Paul W. Spann	Pasadena, California
1962	#25 (Frank House)	Killingsworth, Brady, Smith & Associates	Richard Bradshaw	Long Beach, California
1963	#26 (Harrison House)	Beverly "David" Thorne	No documentado	San Rafael's Peacock Gap, California
1959	#26 (Reiner House)	Richard Neutra	Carl B. Johnson & Associates	Silver Lake, California
1966	#27 (Campbell House)	Killingsworth, Brady, Smith & Associates	Richard Bradshaw	Pasadena, California
1966	#28 (Eric House)	Conrad Buff III & Donald C. Hensman	Edmund E. Cohen	Altadena, California
1964	#28 Case Study Apartments N°1		No documentado	California

Case Study Houses 1946 - 1964

nº grupo #caso	G1 #2 Sumner House	G2 #8 Eames House	G3 #9 Entenza House	G4 #16 Salzman House
G5 #17 Hoffman House	G6 #18 Fields House	G7 #20 Bailey House	G8 #20 Bass House	G9 #21 Bailey House
G10 #21 "1950" House	G11 #22 Stahl House	G12 #25 Frank House	G13 #26 Harrison House	G14 #28 Eric House

Case Study Houses 1946 - 1964



● Ubicación: Los Angeles, California, USA

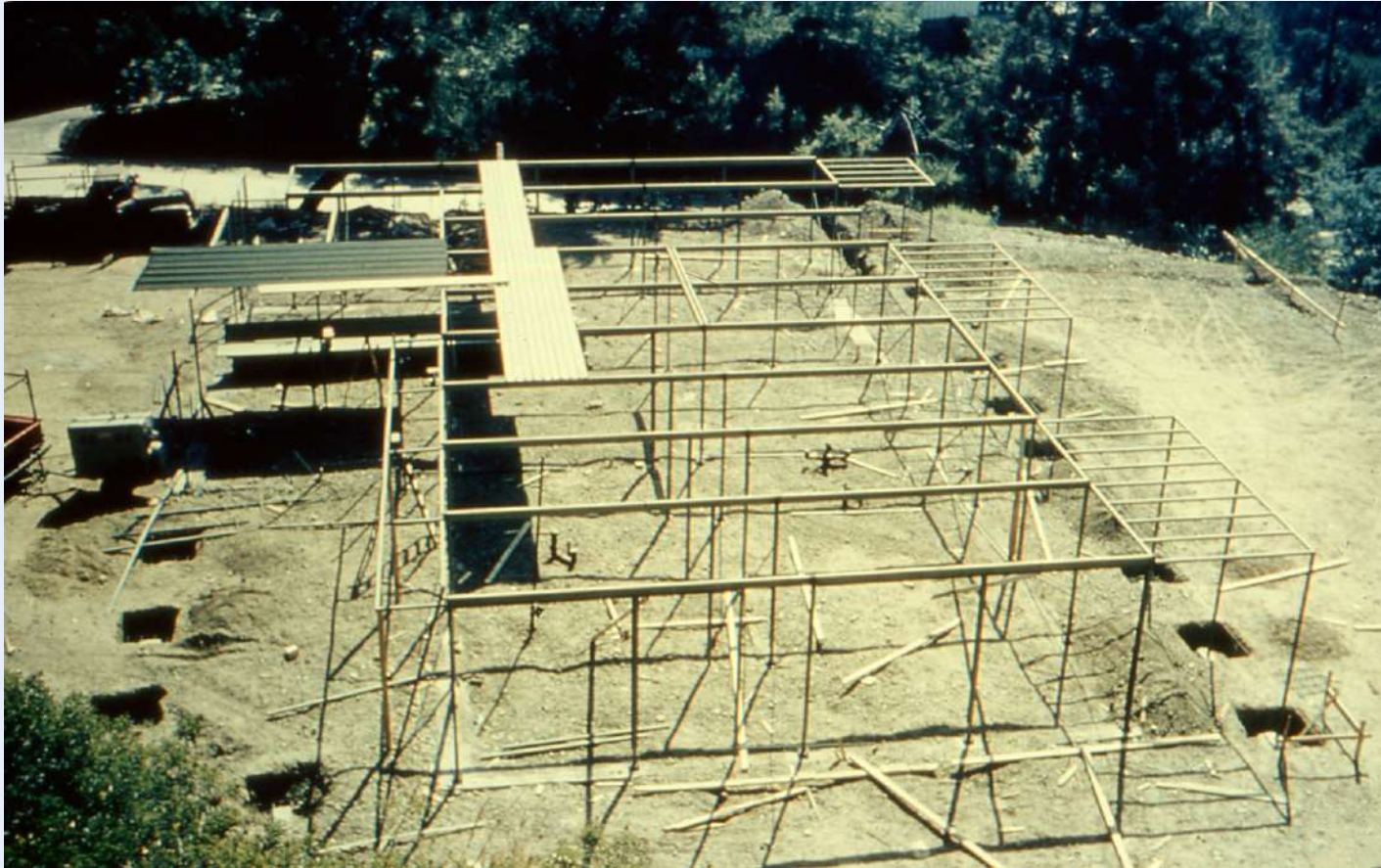
Case Study Houses 1946 - 1964

Falla de San Andres



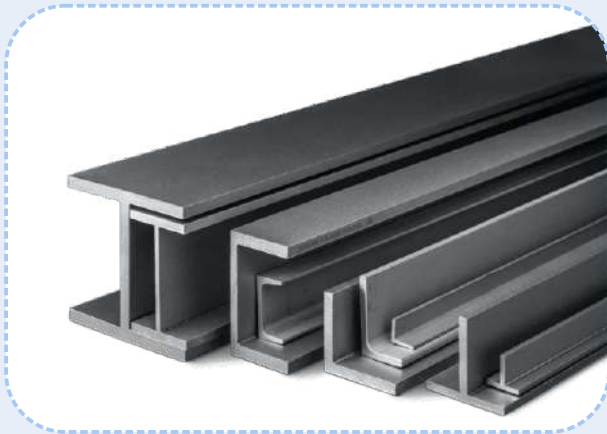
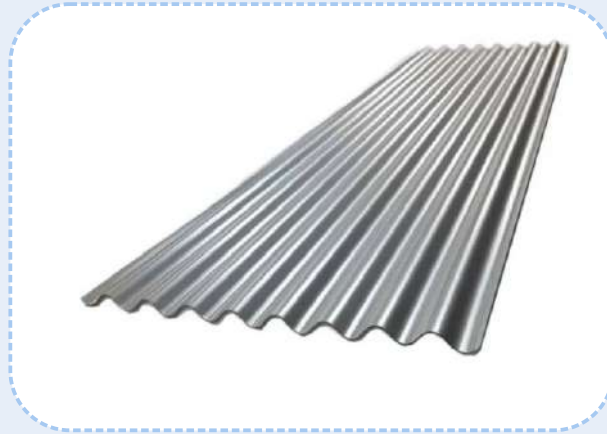
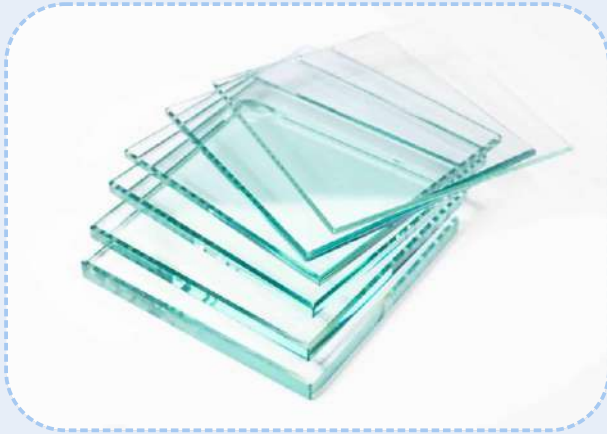
Terremoto de Loma Pietra 1989
¿Cómo resistieron el evento?

Case Study Houses 1946 - 1964



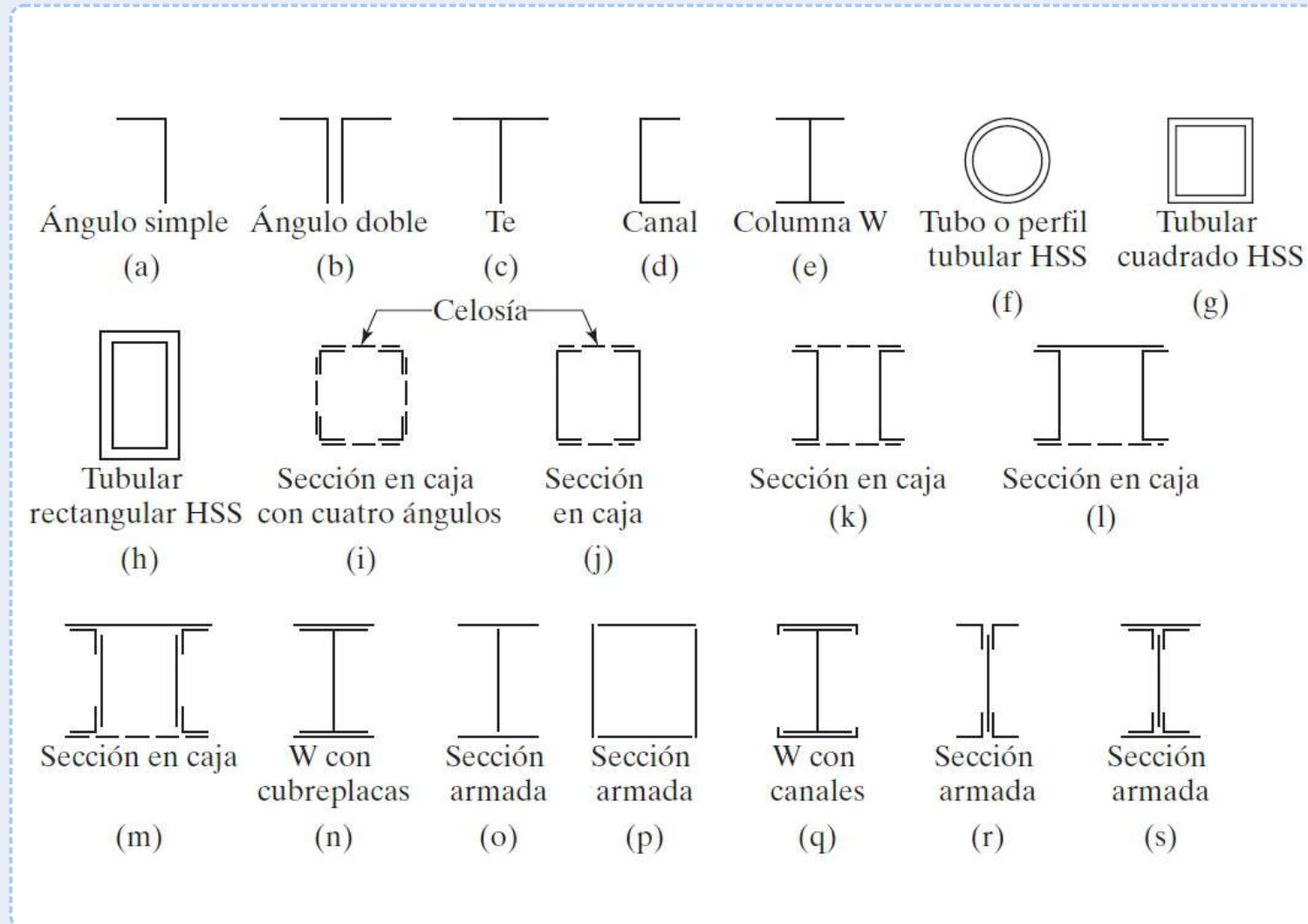
Reducción de cargas >>> de peso y de secciones
¿Cómo resistieron el evento?

Case Study Houses 1946 - 1964



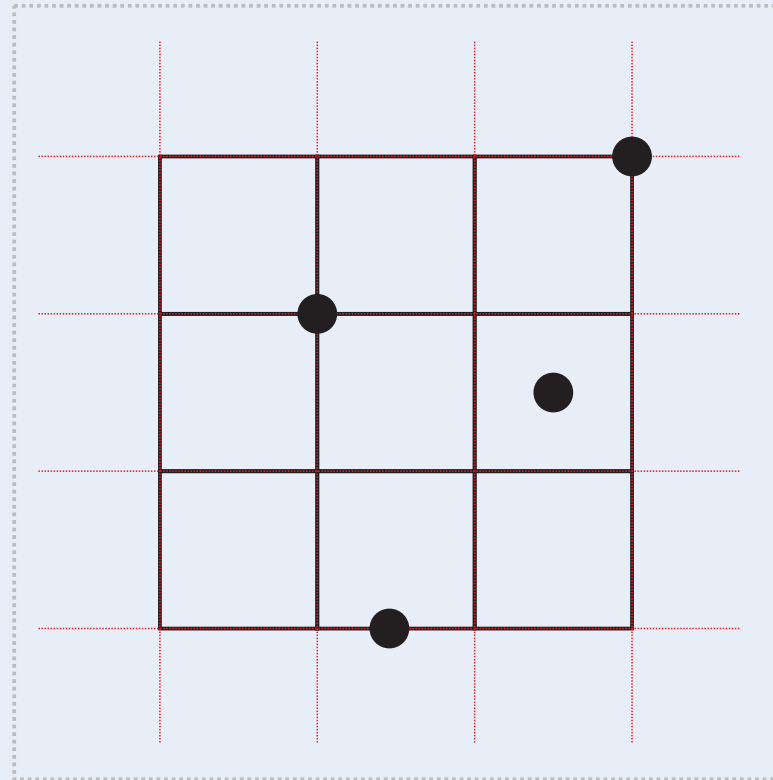
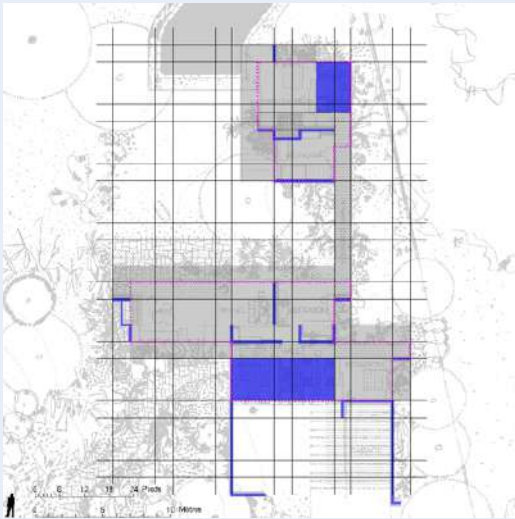
Materiales económicos y de medidas comerciales
Simplicidad constructiva, racional y modulada

Case Study Houses 1946 - 1964



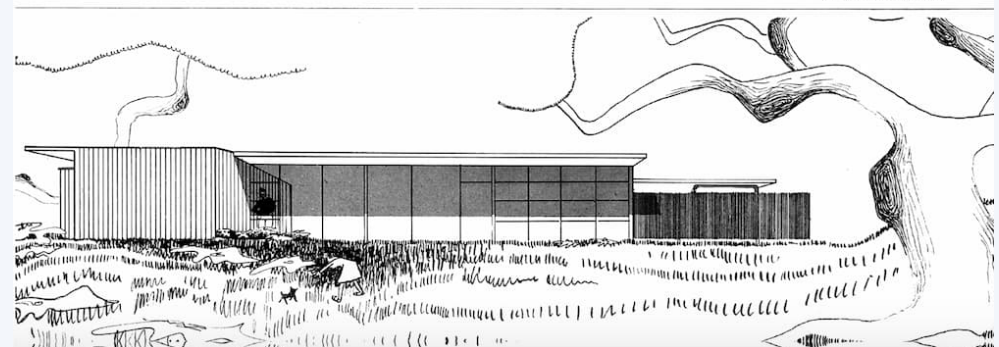
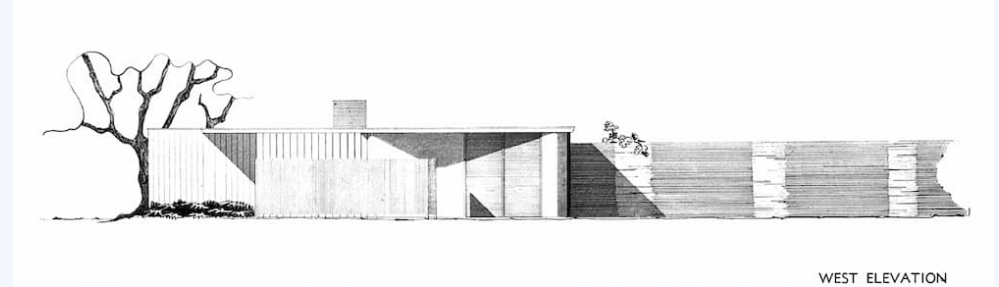
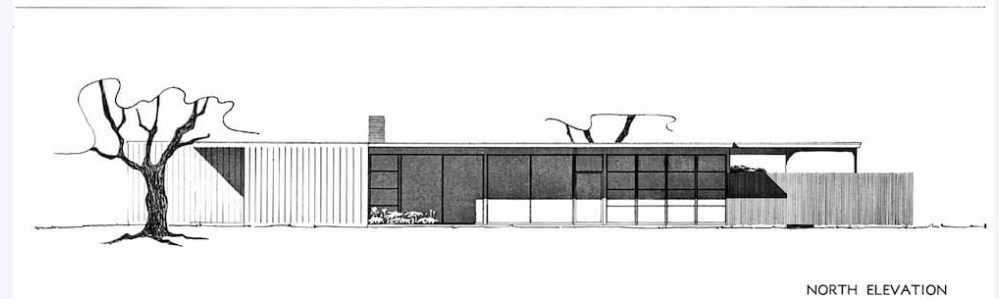
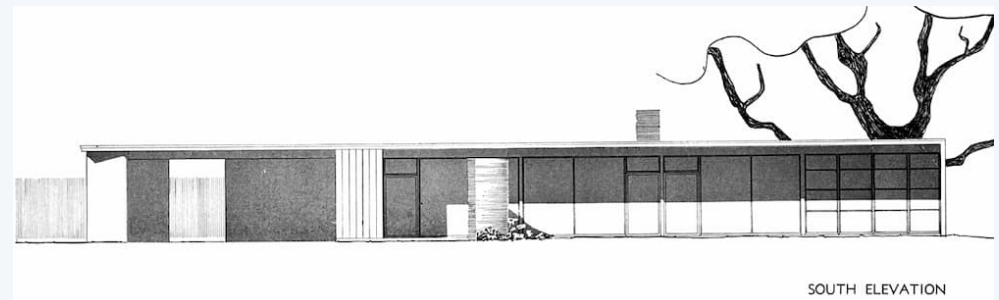
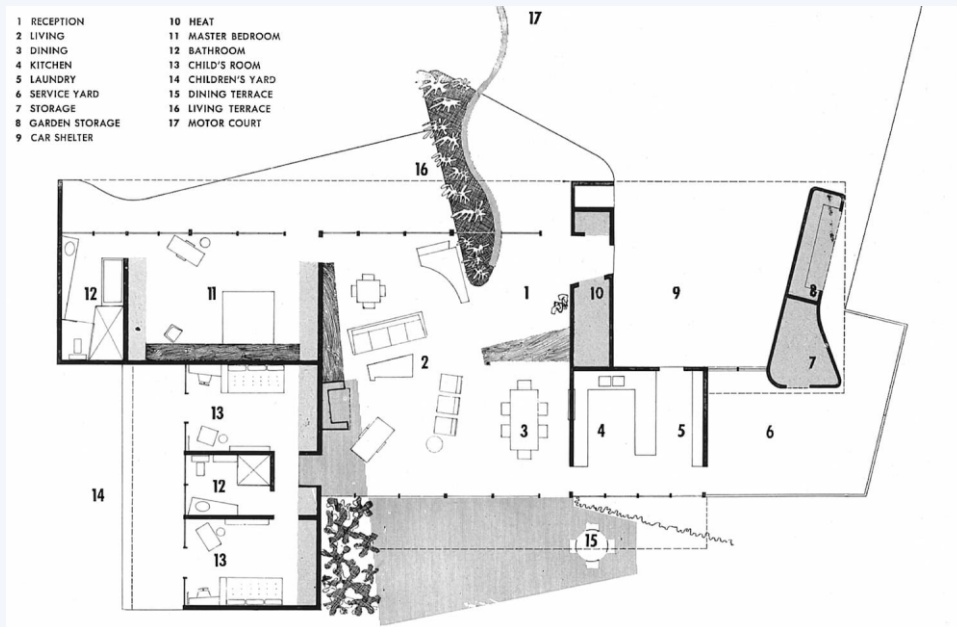
Perfilería metálica proyectada con secciones comerciales
Uniones simples: soldadura, bulones y tornillos

Case Study Houses 1946 - 1964

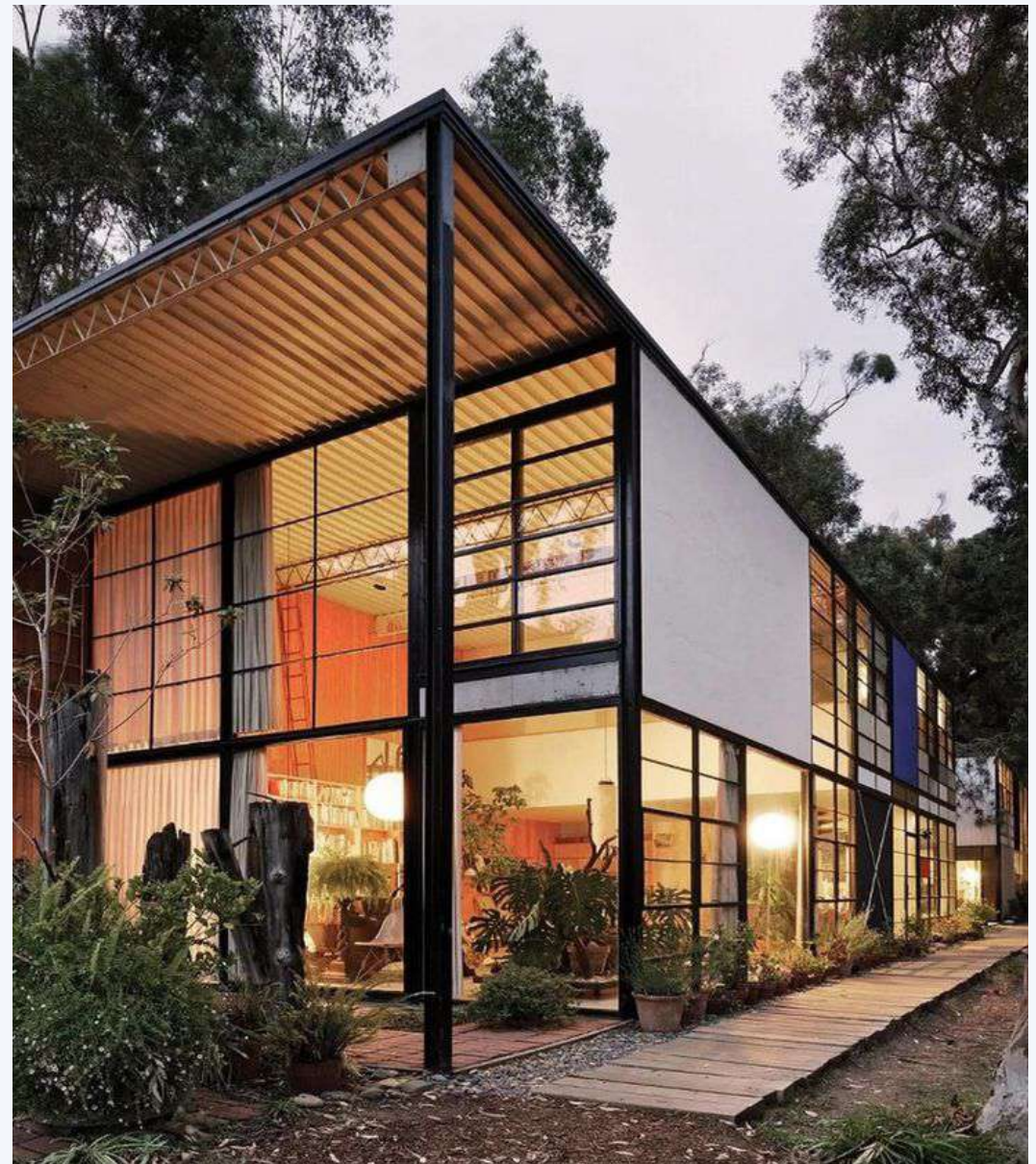
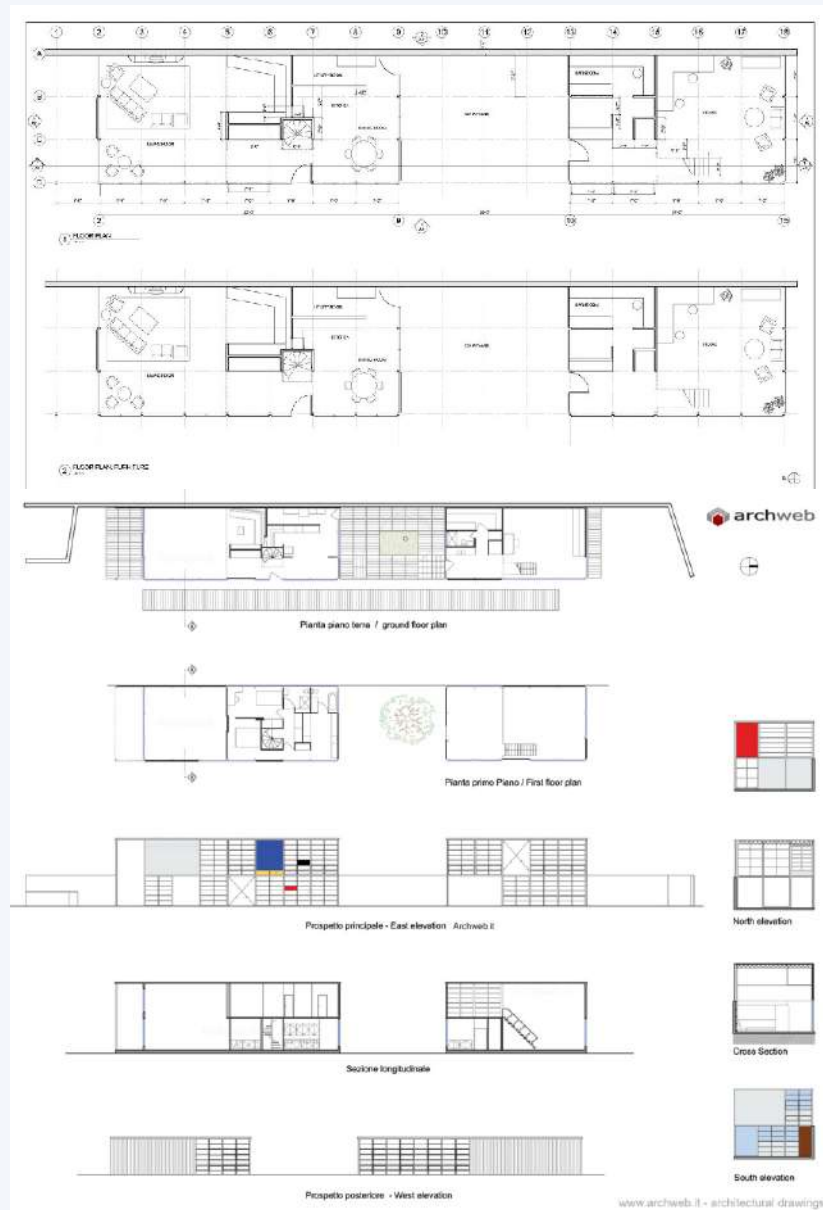


Grilla y modulación estructural
¿Cómo reparto las cargas? ¿En donde caen?

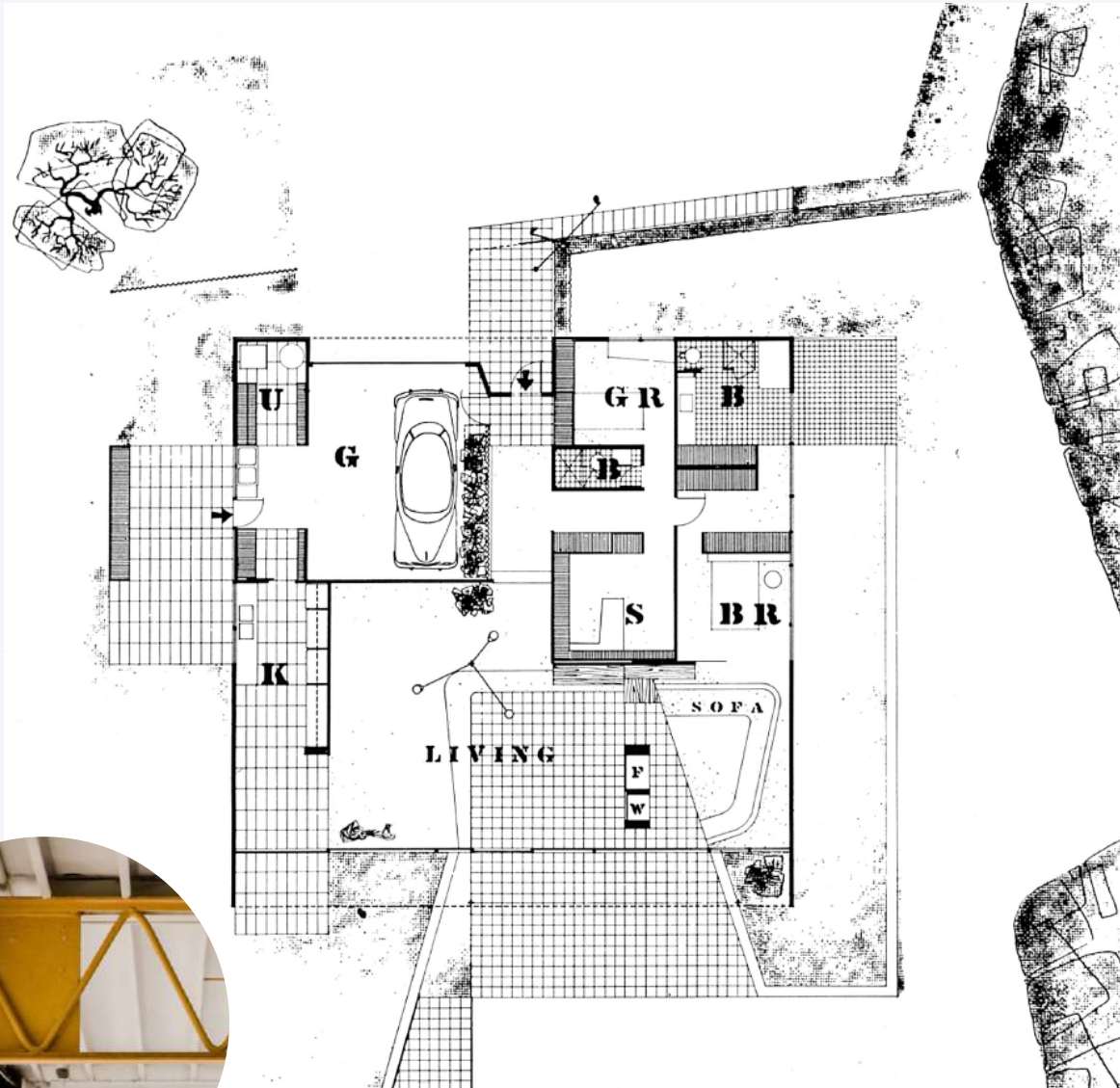
#2 Sumner House - Arq: Sumner Spaulding & John Rex



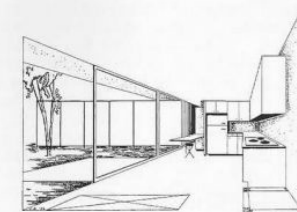
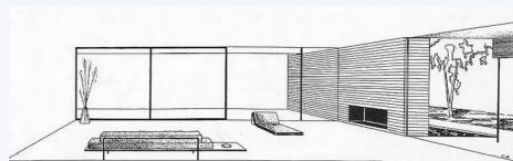
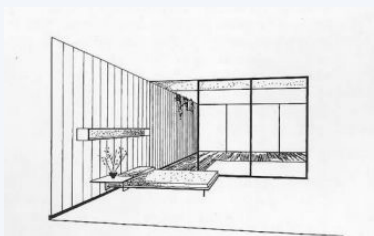
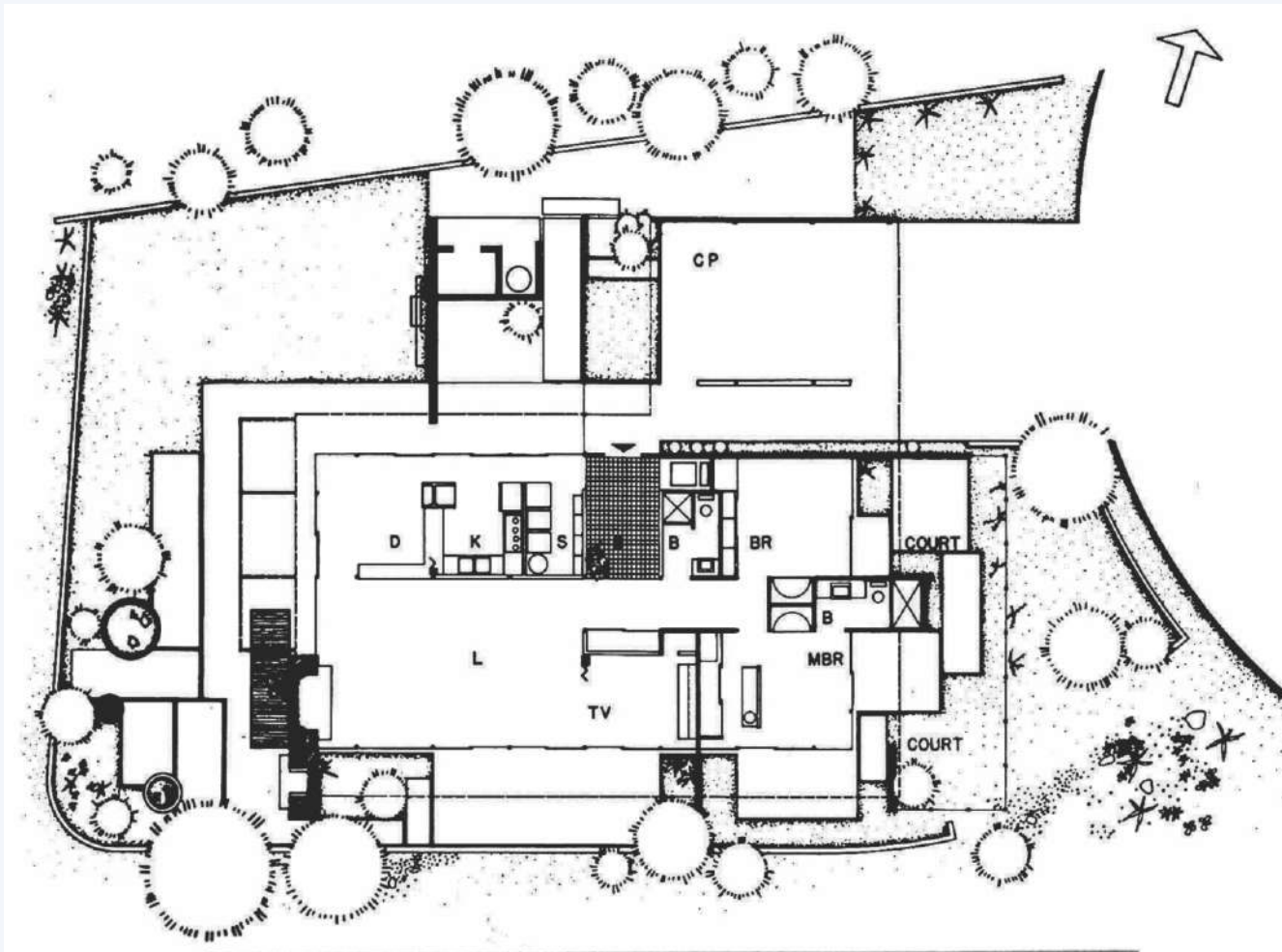
#8 Eames House, Arq: Charles Eames & Ray Eames



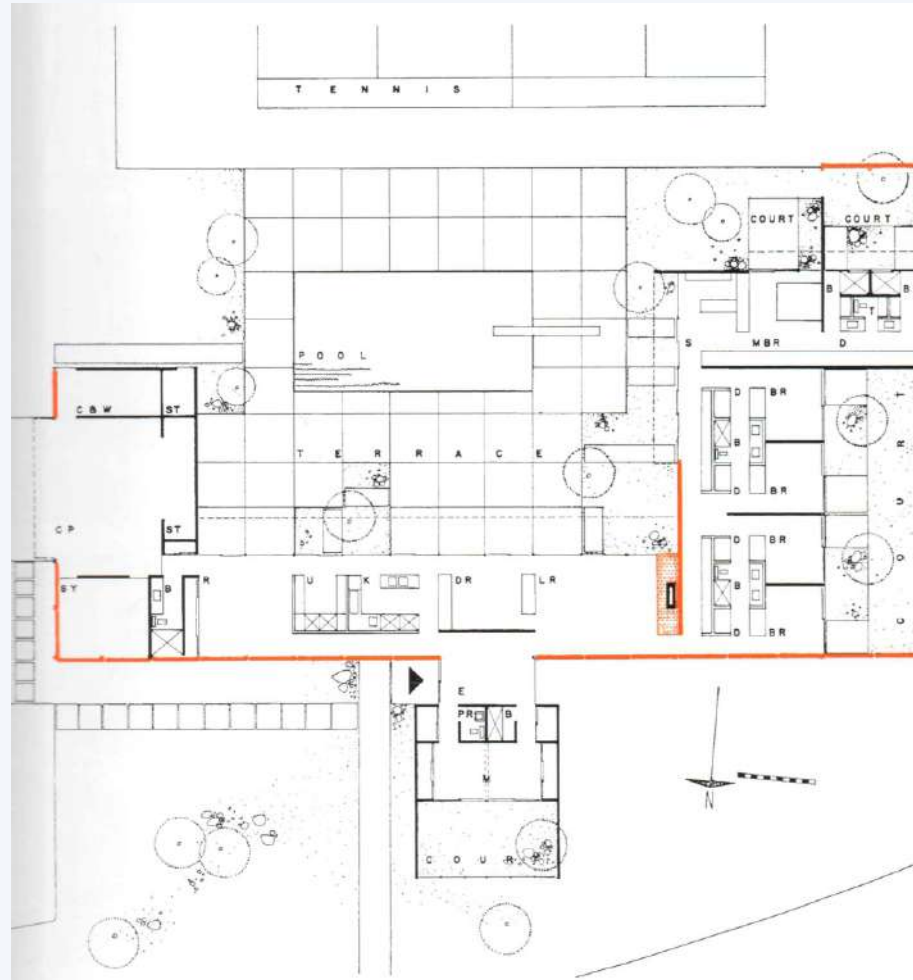
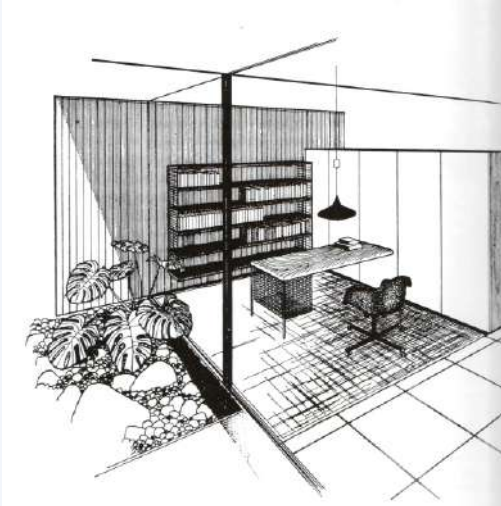
#9 Entenza House, Arq: Charles Eames & Eero Saarinen



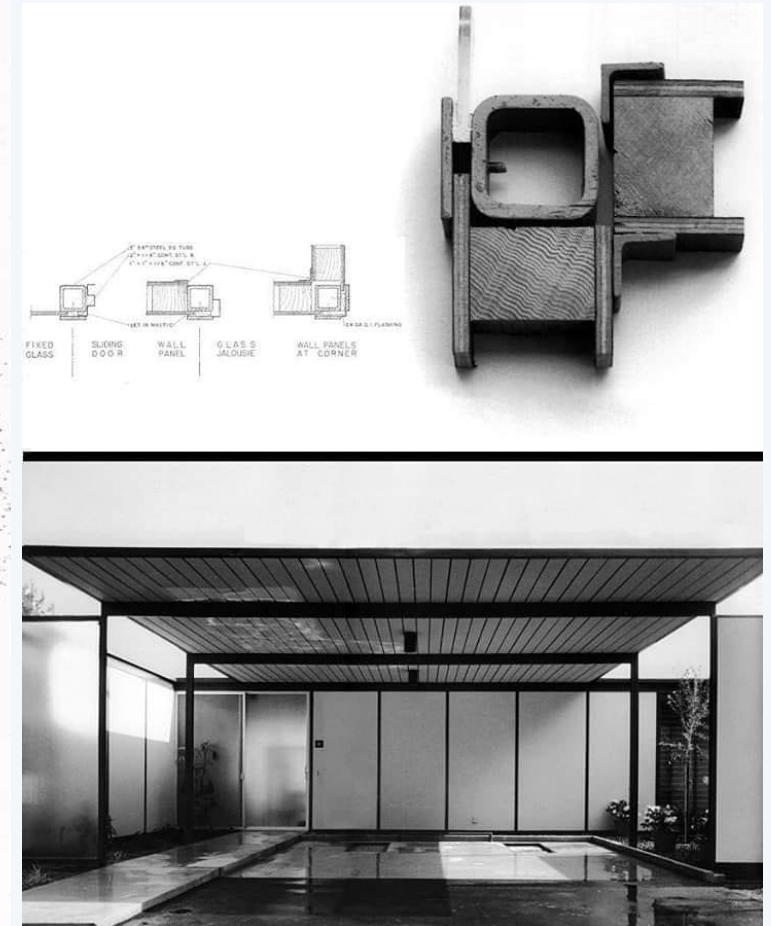
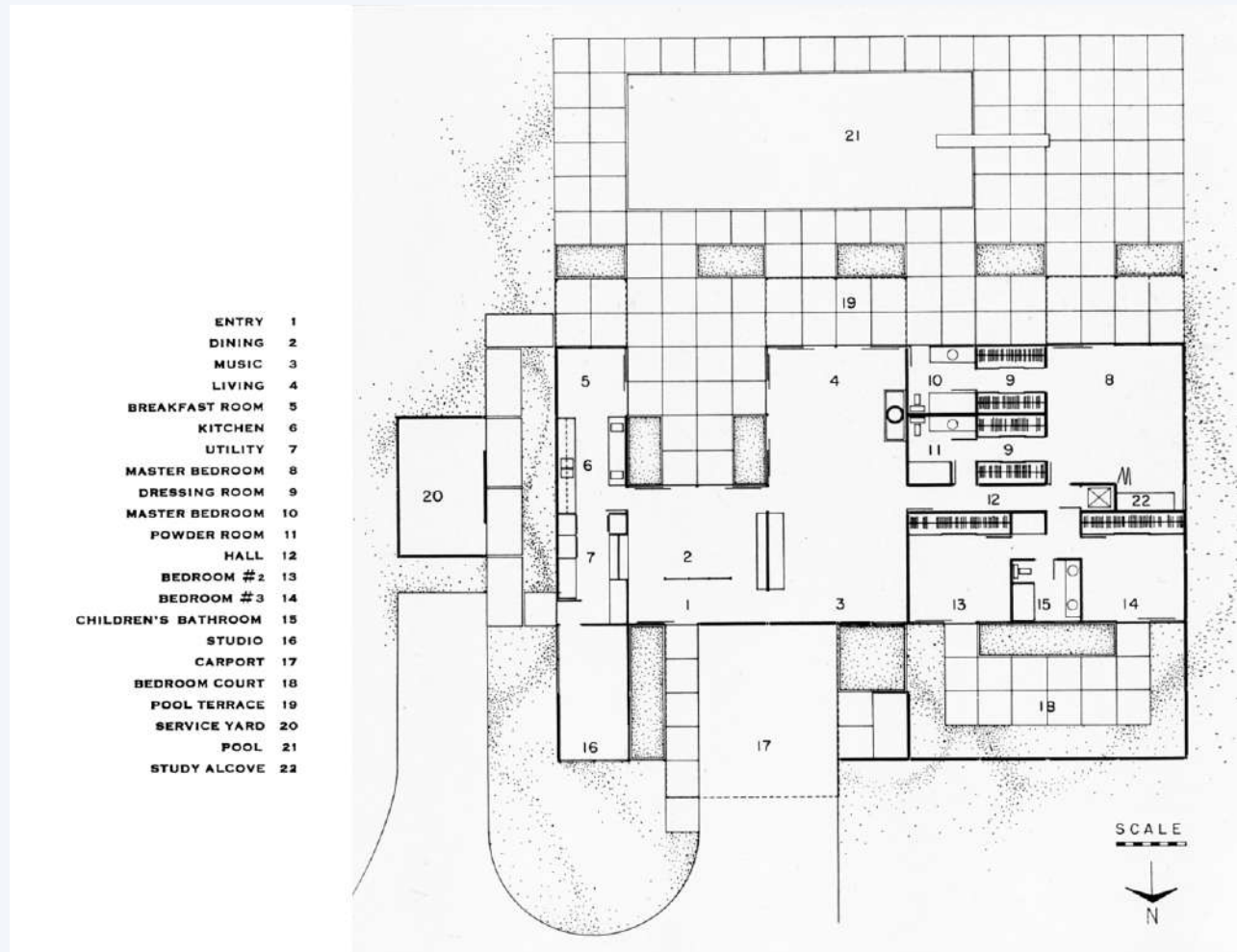
#16 Salzman House, Arq: Craig Ellwood



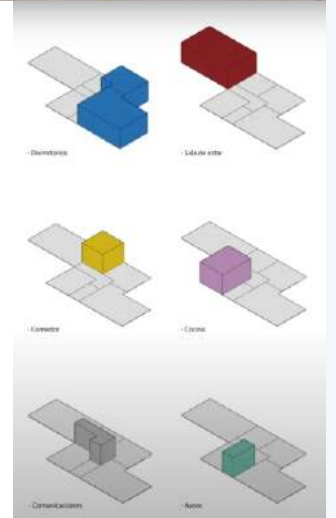
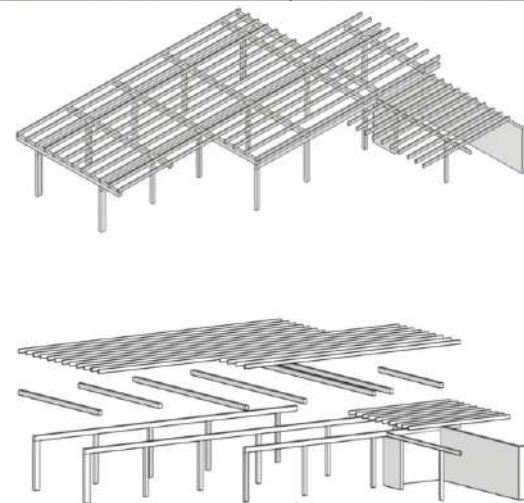
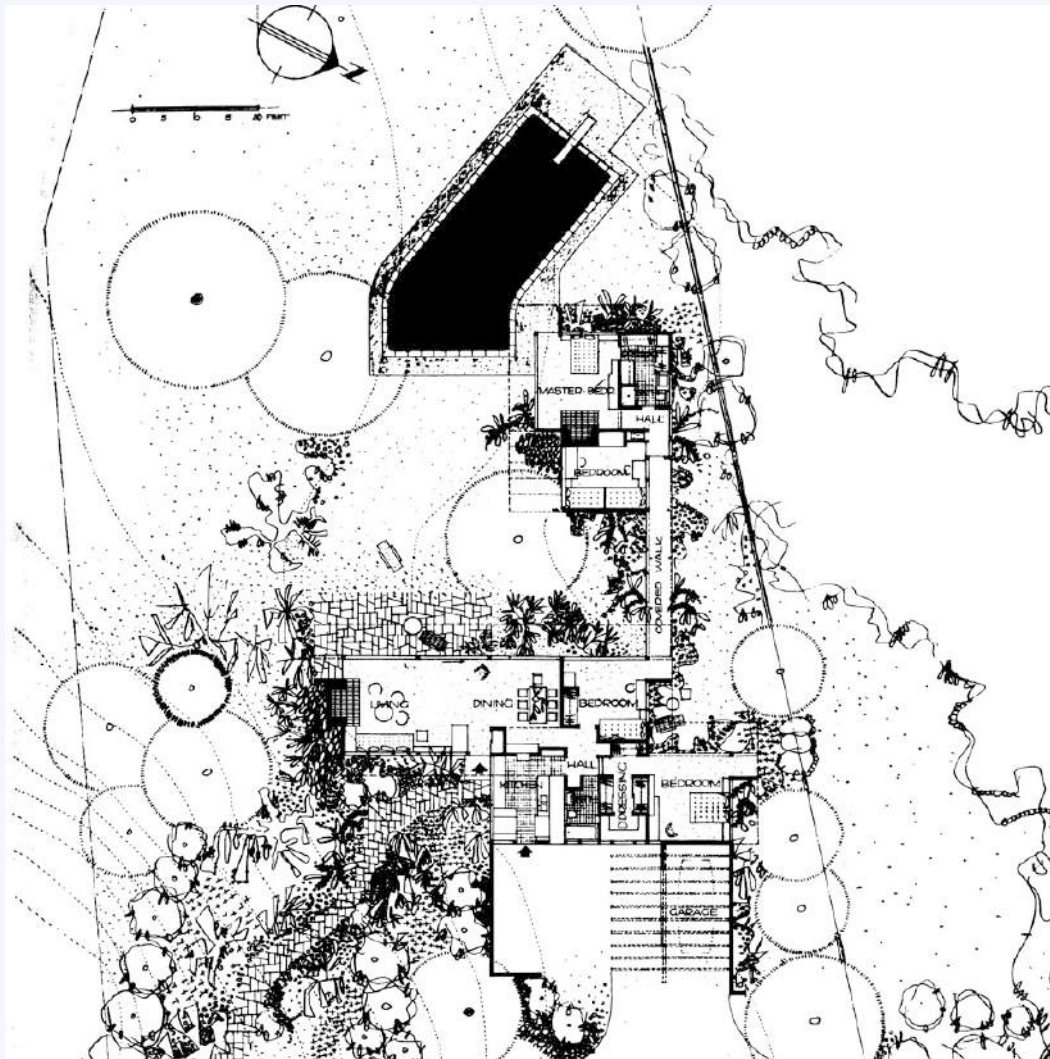
#17 Hoffman House, , Arq: Craig Ellwood



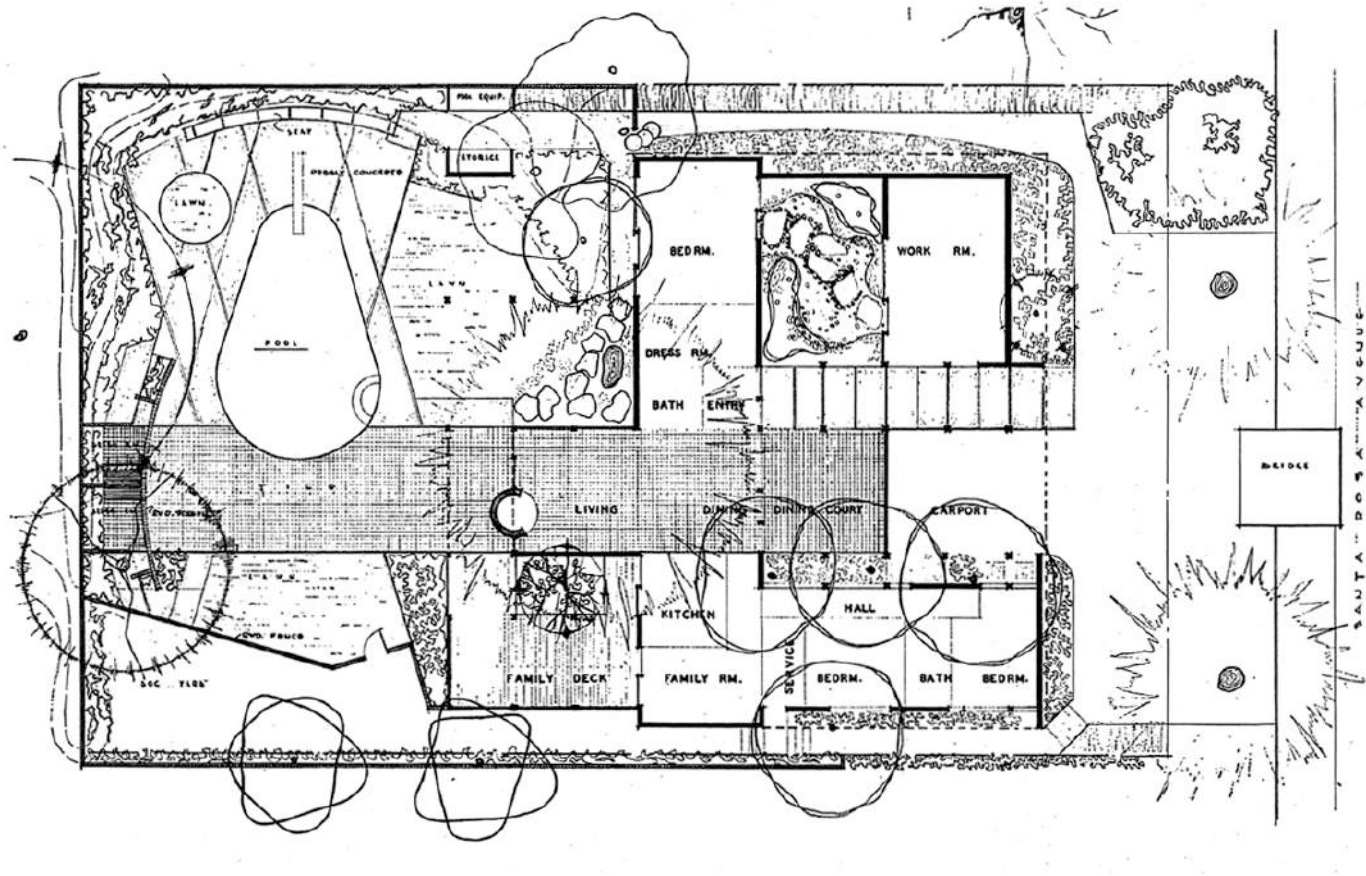
#18 Fields House, Arq: Craig Ellwood



#20 Stuart Bailey House, Arq: Richard Neutra



#20 Bass House, Arq: C. Buff, C. Straub, D. Hensman



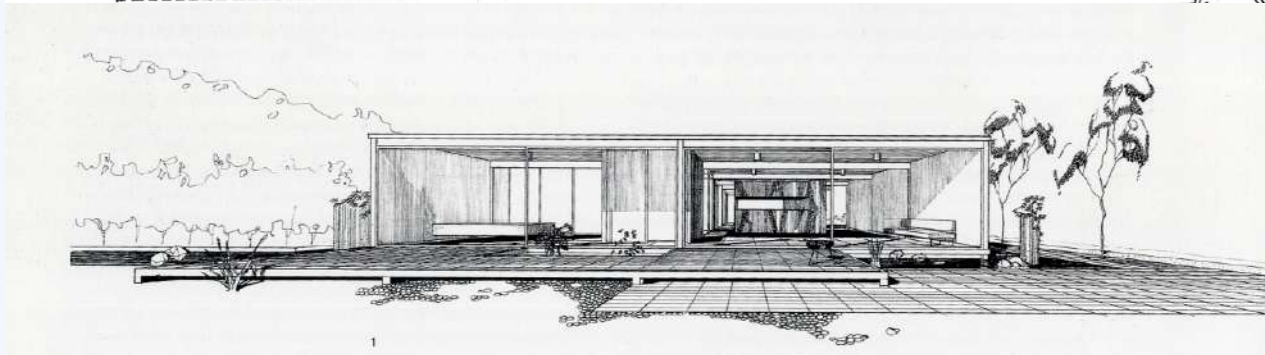
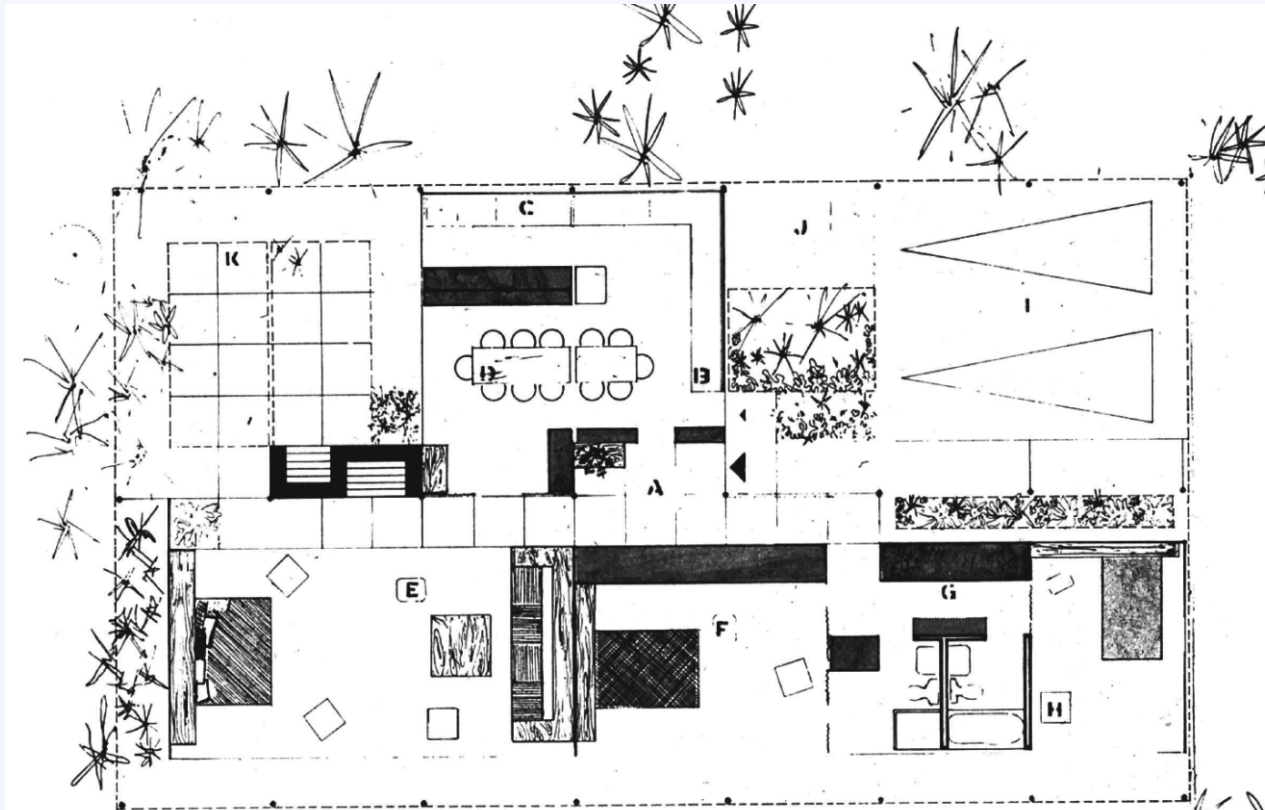
#21 Bailey House, Arq: Pierre Koenig



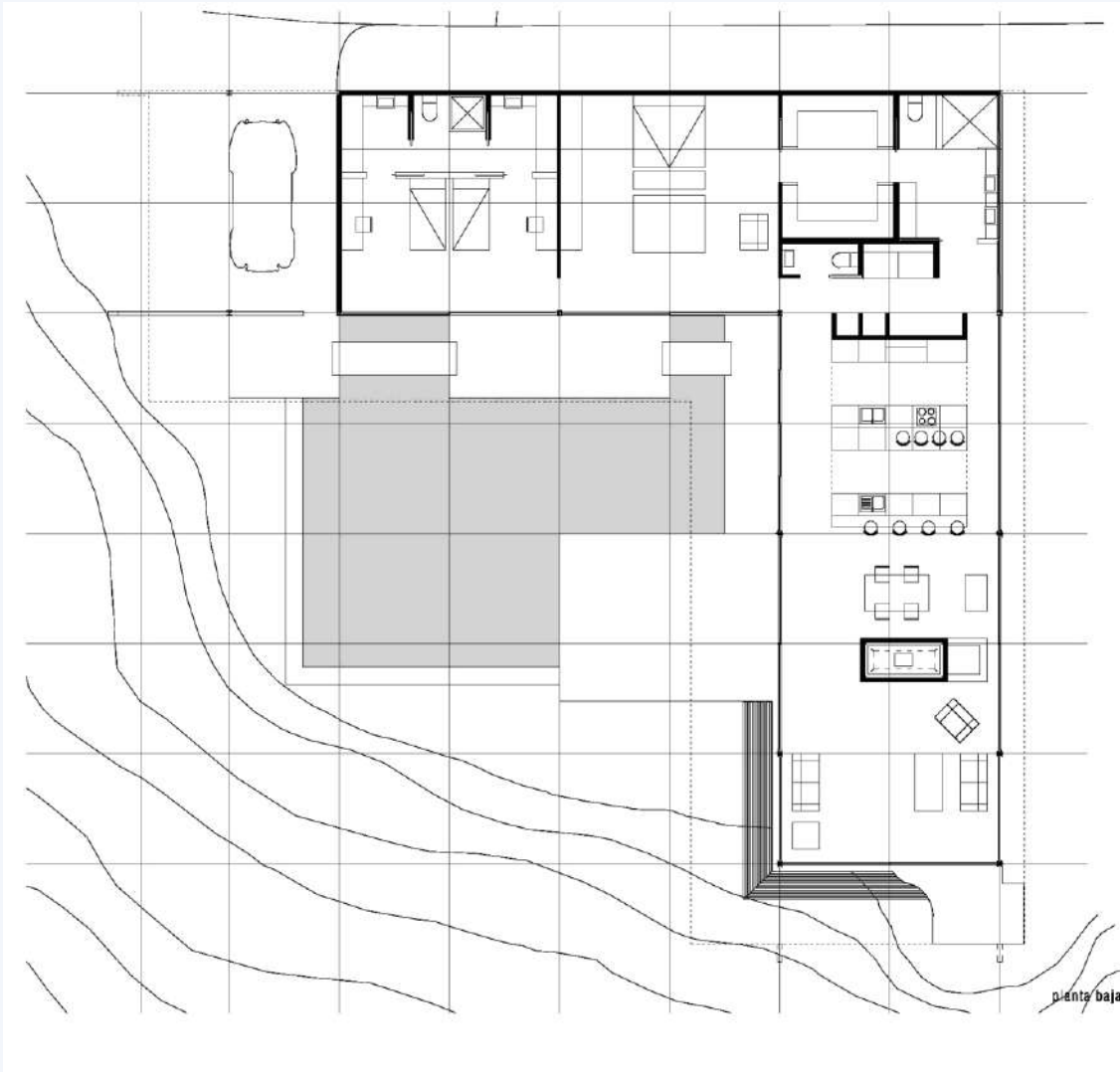
- 1 Zona de aparcamiento
- 2 Cocina
- 3 Sala de estar
- 4 Patio interior
- 5 Cuarto de baño
- 6 Dormitorio
- 7 Terraza
- 8 Estudio



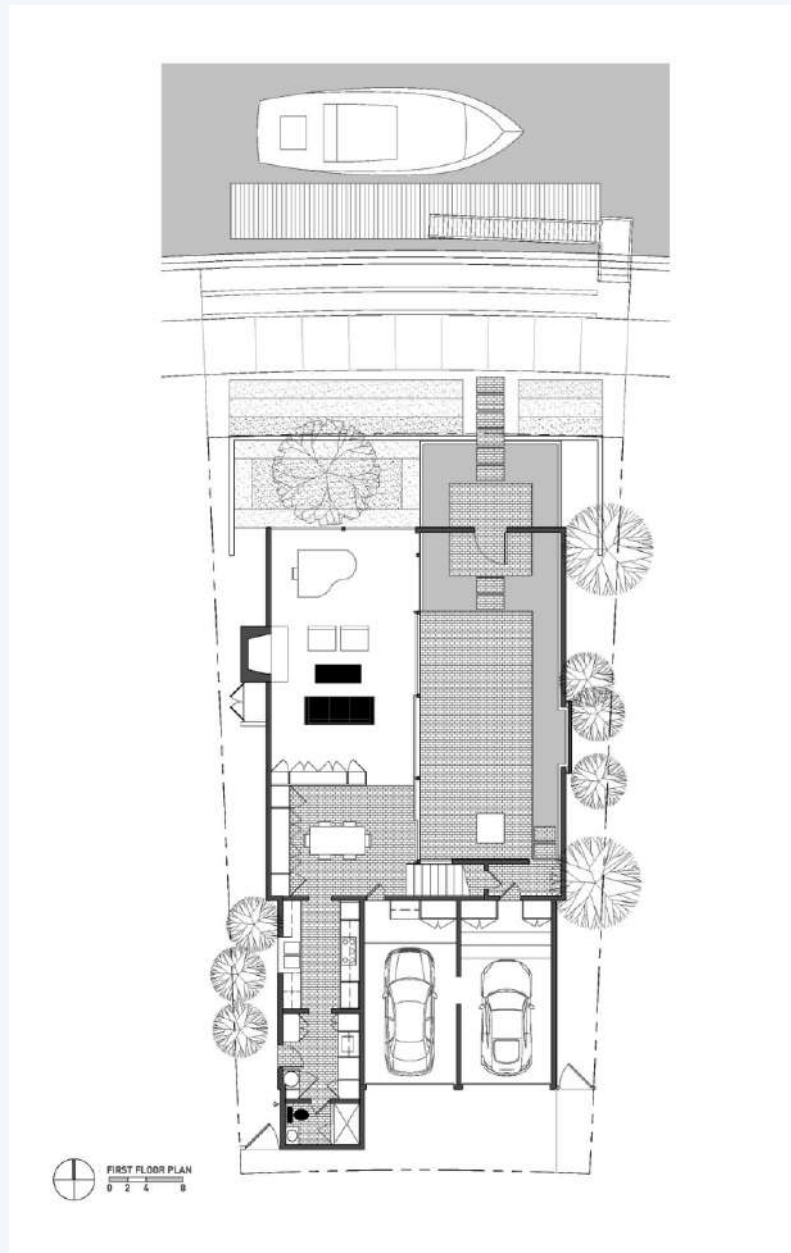
#21 1950 House, Arq: Raphael Soriano



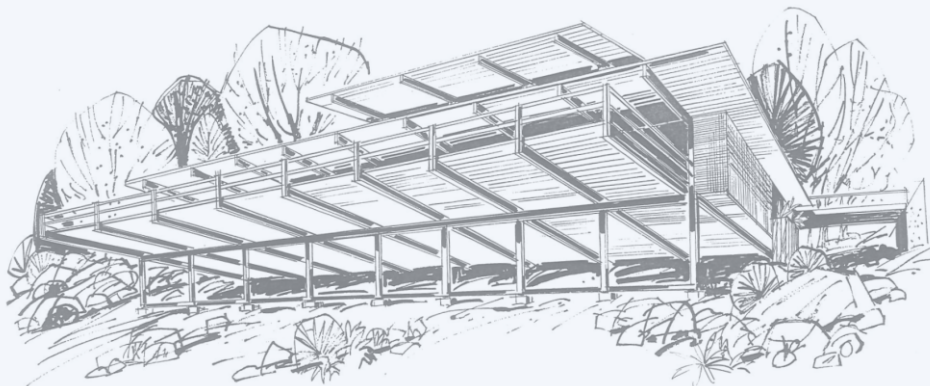
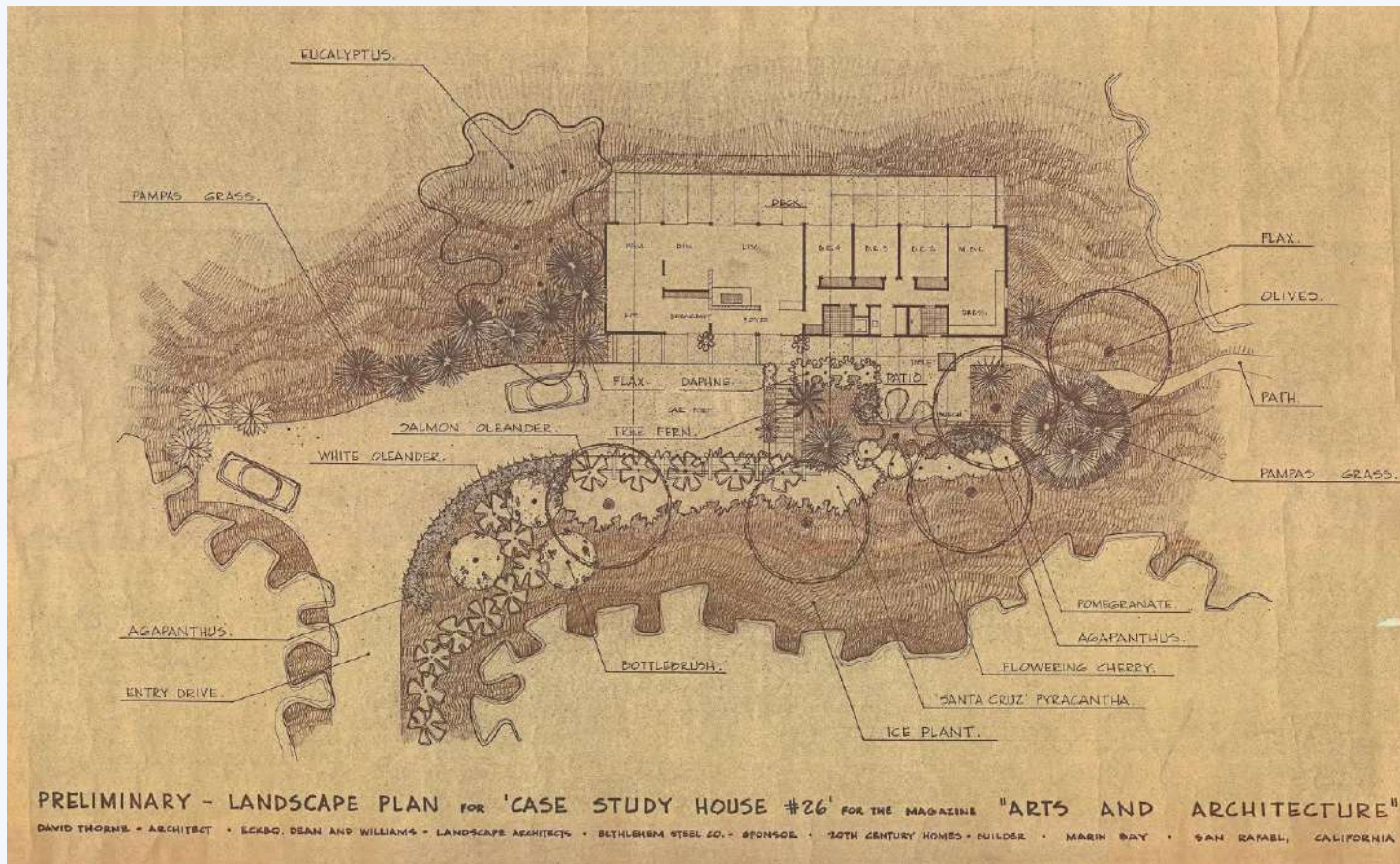
#22 Stahl House, Arq: Pierre Koenig



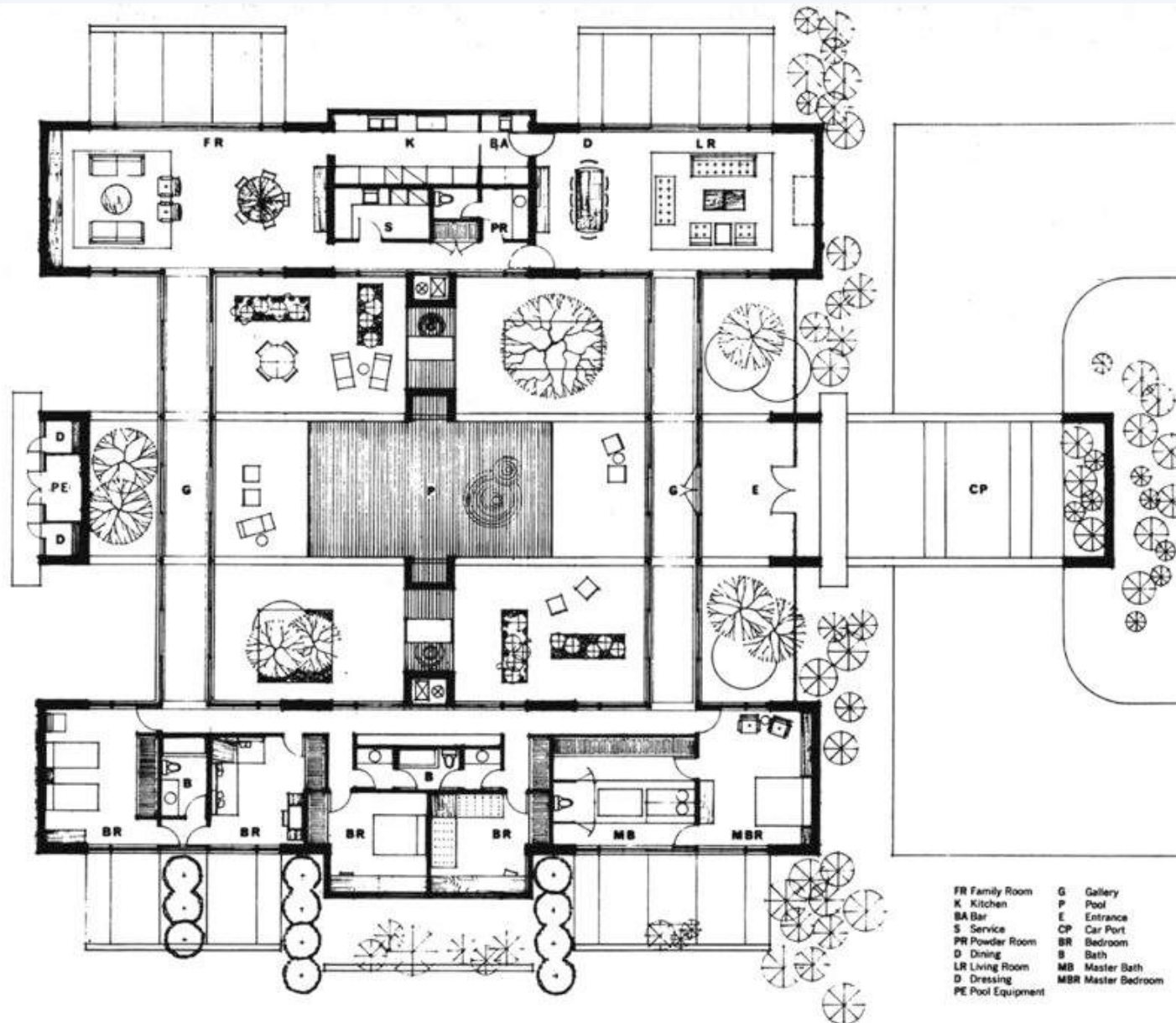
#25 Frank House, Arq: Killingsworth, Brady, Smith & Associates



#26 Harrison House, Arq: Beverley "David" Thorne

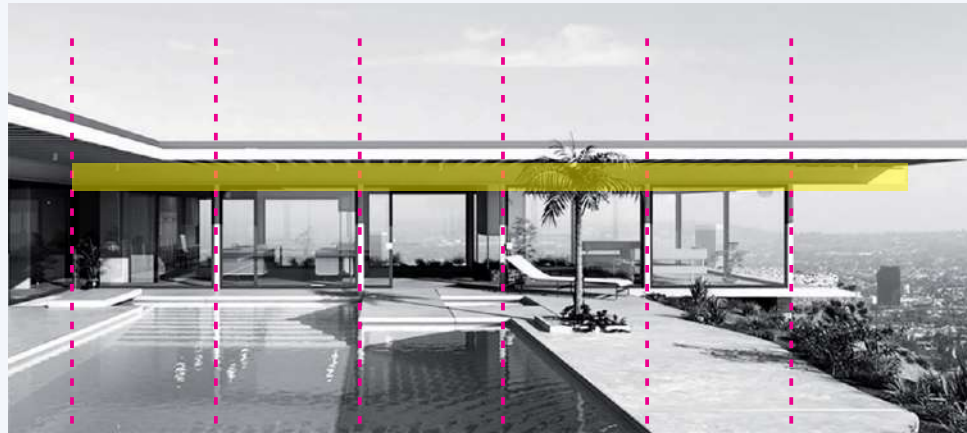


#28 Janss/Pacific House, Arq: C. Buff & D. Hensman

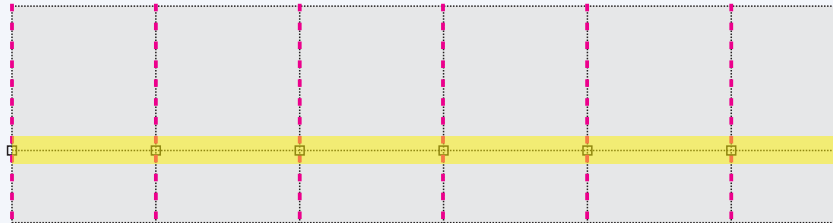


ejemplo análisis de viga continua

#22 Stahl House

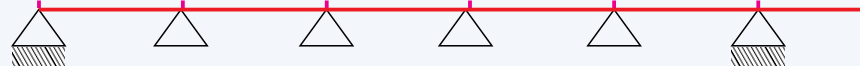


**¿Cómo se reparten
las cargas?**



cargas distribuidas
de la losa

**¿Cómo son
los vínculos?**



**¿Cómo es la
deformada?**

