

Architecture Studio: 1st Year Spring

Spring 2012, CMU, Arch #48-105, M/W/F 1:30-4:20
Class Website: www.andrew.cmu.edu/course/48-105

Coordinator: Kai Gutschow
Email: gutschow@andrew.cmu.edu
Off. Hr: M/W/F 12:30-1:00pm & by appt. in MM302

(2/12/12)

Project 2: BUILDING ANALYSIS

Each student will be assigned a building and an associated architectural construction detail that helps define the building's identity and spacial experience. The assignment will be to do research, and present an in-depth analysis and understanding of one particular aspect of the building in the form of a "drawing" or "diagram."

Assignment 2a (for Friday, Feb. 10, 1:30)

- 1) Read Alberto Perez-Gomez, "Architecture as Drawing," J. of Arch'l Education (1982)
- 2) Do research on your building, architect, context. Begin with the citation listed with your building, and expand your research to find many sources (books and articles) to understand it in different contexts. A carrel of research books has been put on reserve for 48-105 on the 4th floor of Hunt; see also the carrell for 48-305 for some books.
- 3) Write a 1-page synopsis on the architectural significance of the building; upload to Blackboard BLOG for your studio (see "Studio Blogs" button on main menu, over email)
- 4) Create an 11x17 (landscape format) summary of your building. Include photos and drawings, a brief summary of the significance, and a bibliography of important sources.
- 6) Submit pdf file (filename: ***Lastname_AnalysisInfo.pdf***); to archpcserver at:
\\archpcserver\Studios\S12_48-105\02 Shop Project Shop Drawings



AALTO, ALVAR

- 1) Aalto, Alvar, Experimental House, courtyard facade, Muuratsalo, Fin., 1952 (Key Houses of 20th-C, p.122)
- 2) Aalto, Alvar, Villa Mairea, stairs, Noormarku, Finland, 1938 (Details of Mod.Arch vol.2, p.133; and Key Houses of 20th-C, p.94; Key Buildings of 20th-C, p.86)
- 3) Aalto, Alvar, Villa Mairea, living room columns, Noormarku, Finland, 1938 (Details of Mod.Arch vol.2, p.133; Key Houses of 20th-C, p.94; Key Buildings of 20th-C, p.86)
- 4) Aalto, Alvar, Villa Mairea, front canopy, Noormarku, Finland, 1938 (Details of Mod.Arch vol.2, p.133; Key Houses of 20th-C, p.94; Key Buildings of 20th-C, p.86)
- 5) Aalto, Alvar, Viipuri Library, auditorium ceiling, Vyborg, Russia, 1927-35 (Details of Mod.Arch vol.2, p.123)
- 6) Aalto, Alvar, Baker House, dining room & skylights, Cambridge, MA, 1942 (www.greatbuildings.com)
- 7) Aalto, Seinajoki Library, reading room windows/columns. Seinajoki, Fin. 1963 (Key Buildings of 20th-C, p.148)

WRIGHT, FRANK LLOYD

- 8) Wright, F.L., Ennis House, main hallway, Hollywood, CA, 1923, (Key Houses of 20th-C, p.42)
- 9) Wright, F.L., Storer House, living room walls, Pasadena, CA, 1923 (Details of Mod.Arch vol.1, p.324)
- 10) Wright, F.L. Jacobs House, ext. walls, Madison WI, 1936 (Key Houses of 20th-C, p.90; Details of Mod.Arch vol.1, p.330; Key Buildings of 20th-C, p.80)
- 11) Wright, F.L., Hanna House, ext. walls, Palo Alto, CA, 1936 (Details of Mod.Arch vol.1, p.334)

POSTWAR FIRST HOUSE / NEW CANAAN MODERN

- 12) Blake, Peter, Pinwheel House, ext. walls, Long Island, 1954 (First House p.192)
- 13) Breuer, Marcel, Chamberlain Cottage, framing & cantilever, Wayland, MA (Key Houses of 20th-C, p.103)
- 14) Breuer, Caesar Cottage, framing, Lakeville, CT, 1951 (Details of Mod.Arch vol.2, p.160; First House p.32)
- 15) Breuer, Marcel, Wolfson Hse, framing, Pleasant Valley, NY, 1949 (Details of Mod.Arch vol.2, p.163)
- 16) Breuer Marcel, Breuer House, stone wall in liv.rm, Lincoln, MA, 1939 (Details of Mod.Arch vol.1, p.31)
- 17) Franzen, Ulrich, Franzen House, roof & structure, Rye, NY, 1955, (First House, p.62)
- 18) Franzen, Towers Residence, roof & structure, Essex, CT, 1958 (First House, p.66)
- 19) Johansen, John, Goodyear Residence, structure of central part, Darien, CT, 1956 (First House, p.82)
- 20) Johansen, John, Dunham Residence, entry & porch, New Canaan, CT, 1951 (First House, p.92)
- 21) Johansen, John, Bridge House, living room & roof, New Canaan, CT, 1957 (First House, p.96)

- 22) Johnson, Philip, Ash St. House, courtyard & facade, Cambridge, MA, 1942 ([First House](#), p.108)
- 23) Johnson, Philip, Wiley Residence, glass vs. stone, New Canaan, CT, 1953 ([First House](#), p.124)
- 24) Johnson, Philip, Hodson Residence, courtyard & brick, New Canaan, CT, 1951 ([First House](#) p.117)
- 25) Johnson, Philip, Glass House, bathroom vs. ext., New Canaan, CT, 1949 ([First House](#), p.111; [Key Houses of 20th-C](#), p.108)
- 26) Noyes, Eliot, Noyes Residence II, courtyard, New Canaan, CT 1955 ([First House](#), p.137)
- 27) Pei, I.M. Pei Summer House, porch & living space, Katonah, NY, 1950 ([First House](#), p.154)

RUDOLPH, PAUL (see 48-105 library carrel)

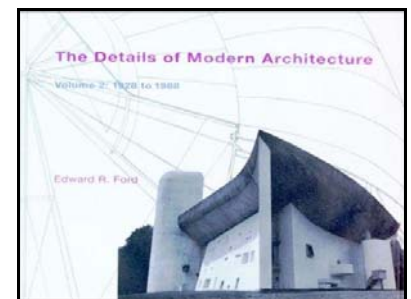
- 28) Rudolph, Paul, Hook House, roof vaults, Siesta Key, FL, 1953 ([Details of Mod.Arch vol.2](#), p.735; [Rudolph, Florida Houses](#), p.152)
- 29) Rudolph, Paul, Milam House, facade & living room, Ponte Verde, FL, 1959 ([Key Buildings of 20th-C](#), p.134; [Rudolph, Florida Houses](#), p.202)
- 30) Rudolph, Paul, Finney Guest House, structure, Siesta Key, FL ([Rudolph: Florida Houses](#), 72)
- 31) Rudolph, Paul, Cocoon Hse., roof, Siesta Key, FL, 1950 ([Rudolph, Florida Houses](#), p.96)
- 32) Rudolph, Paul, Burckhardt Hse., living room & screen, Venice, FL, 1956 ([Rudolph, Florida Houses](#), 186)

CASE STUDY HOUSES (see 48-105 library carrel)

- 33) Eames, Ray & Charles, Eames House, living room, Los Angeles, 1949 ([Details of Mod.Arch vol.2](#), p.230; [Key Houses of 20th-C](#), p. 106; [Key Buildings of 20th-C](#), p.90)
- 34) Ellwood, Craig, Case Study 16, Bel Air, 1953 ([Details of Mod.Arch vol.2](#), p.237; [Key Houses of 20th-C](#), p.120)
- 35) Koenig, Pierre, Case Study House 21, structure, Los Angeles, CA, 1958 ([Details of Mod.Arch vol.2](#), p.242)

KUMA, KENGO (<http://kkaa.co.jp/>) + 48-105 carrel = [Material & Immaterial](#))

- 36) Kuma, Kengo, Chokkura Plaza Shelter, ext. wall, 2004, Japan
- 37) Kuma, Kengo, Waketokuyama Restaurant facade, 2003, Tokyo,
- 38) Kuma, Kengo, Prothro Museum Research Ctr, facade & int., 2010, Japan
- 39) Kuma, Kengo, Hoshinosato Annex, facade & int., 2004, Japan
- 40) Kuma, Kengo, Yusuhara Town Hall, facade & int., 2004, Japan
- 41) Kuma, Kengo. Stone Museum, masonry wall, 2000, Japan
- 42) Kuma, Kengo, Adobe Museum for Buddha, adobe walls, Japan.
- 43) Kuma, Kengo, Great Bamboo, wood walls/screens, Beijing



ICONS OF MODERN ARCHITECTURE

- 44) Ando, Tadao, Horiuchi House = Glass Block Hse, courtyards, Osaka, 1977 ([Key Houses of 20th-C](#), p.178)
- 45) Ando, Tadao, Koshino House, living room & windows, Japan, 1979 ([Key Buildings of 20th-C](#), p.186)
- 46) Botta, Mario, Casa Rotunda, facade & int., Stabio, Switzerland, 1980 ([Key Houses of 20th-C](#), p.182)
- 47) Gehry, Frank, Gehry House, kitchen ceiling/roof, Santa Monica, CA, 1977 ([Key Buildings of 20th-C](#), p.184)
- 48) Kocher & Frey, Aluminaire House, structure-skin, Long Island, 1930 ([Key Houses of 20th-C](#), p.82)
- 49) Lewerentz, Sigurd, St. Mark's Church, roofs, Bjorkhagen, Sweden, 1956 ([Details of Mod.Arch vol.2](#), p.336)
- 50) Loos, Adolf. Müller Haus, wall btwn. liv.rm to din.rm, Prague, Czech., 1930 ([Key Houses of 20th-C](#), p.74; [Key Buildings of 20th-C](#), p.68)
- 51) Melnikov, Konstantin, Melnikov House, windows, Moscow, 1929 ([Key Houses of 20th-C](#), p.66)
- 52) Mies van der Rohe, Barcelona Pavilion, columns, Barcelona, 1929 ([Details of Mod.Arch vol.1](#), p.268; [Key Buildings of 20th-C](#), p.58)
- 53) Patkau Architects, Barnes House, liv.rm celing, BC, Canada, 1991 ([Key Buildings of 20th-C](#), p.220)
- 54) Rietveld & Schroder, Schroder House, 2nd floor int. walls, Utrecht, Holland, 1923 ([Details of Mod.Arch vol.1](#), p.278; [Key Houses of 20th-C](#), p.44)
- 55) Saarinen, Eero, MIT Chapel, wall & moat, Cambridge, MA, 1953 ([Details of Mod.Arch vol.2](#), p.286)
- 56) Schindler, Rudolf, Lovell Beach House, structural ribs, Newport Beach, CA, 1926 ([Key Houses of 20th-C](#), p. 50; [Details of Mod.Arch vol.1](#), p.301)
- 57) Schindler, Rudolf, Schindler-Chase House, tilt-slab walls, Los Angeles, 1919 ([Details of Mod.Arch vol.1](#), p.290; [Key Buildings of 20th-C](#), p.46)
- 58) Smithson, A&P, Sugden House, main stair & liv.rm. Watford, UK, 1955 ([Key Houses of 20th-C](#), p.178)
- 59) Utzon, Jorn. Can Lis House, porches, Majorca, Spain, 1973 ([Key Buildings of 20th-C](#), p.174)
- 60) Zumthor, Peter, Baths at Vals, stone walls, Switzerland ([Key Buildings of 20th-C](#), p.204)
- 61) Kahn, Louis. Trenton Bath House, roofs, Trenton, NJ, 1954 (www.greatbuildings.com)