Architecture Studio: 2ⁿᵈ Year
Fall 2010, CMU, Arch #48-200, M/W/F 1:30-4:20
Class Website: www.andrew.cmu.edu/course/48-200

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Off. Hr: M/W 12:30-1:30pm & by appt. in MM202
(9/16/10)

BUILDING ANALYSIS -- LIBRARIES, Pt.1

MINDSET
   We learn about architecture from great architecture! Building on your summer building study, this semester you will analyze libraries and apply lessons to your own design process for Proj.3. In preparation for Proj.3, we are going to start some of the preliminary leg work and research while finishing up Proj.2. Your work will be to study some existing libraries to expose the architectural intent, concept, and principles used by the architect, and understand how architecture can express ideas, manipulate function, and create experiences at many levels. In addition you should work to understand the library as a "building type" with certain common denominators and underlying assumptions (that can at times be challenged). *This is an architecture project.*

WORK PROCESS:
   1) READ: Please read the assigned essay on the history of the library building type in Pevsner's The History of Building Types (1976), and the intro and conclusion of Webb's book Building Libraries for the 21ˢᵗ Century (2004) to begin to understand some of the questions that exist about the future of libraries.

   2) VISIT: This weekend, and definitely by Mon. Sept. 27, visit two local Pittsburgh libraries (see attached list, divide them up by studio, a close one, and a far one), as well as three CMU libraries. Take graphic/visual notes on the specifics of each library, how they work, how they are set up, how they use light and technology, how they accomodate people and store data. Think about what they all have in common.

   3) LIBRARIES ASSIGNED: On a separate sheet, each student has been assigned a well-known 20ᵗʰ-century library, including some older examples, and some very recent ones, even a few under construction, on which to do focused research for Part I of the building analysis project.

   4) RESEARCH: Gather as much documentary evidence about your building as possible, especially any other analysis work that has been done on your library. Most valuable are design process sketches, structural diagrams and drawings, detailed plans & building sections, and other drawings that reveal space & structure. Try calling or writing the firm for extra documents!!

   5) DIAGRAM: Then create a series of inventive, abstract diagrams to reveal the library's most important ideas, experiences, programming, structure, aestheics, etc. Be sure your diagrammatic representation reinforces the ideas.   Work to invent clear, abstract, analytical diagrams explaining your findings.

   6) POSTER: Compose a landscape-oriented 11x17 COLOR pdf using the template that will be provided (much like the project documentation) that documents your library through photos, drawings, plans, sections and your diagrams. Also provide basic ID info, and a bibliography of 2-4 sources of info where you gathered material (website, journals, or books). A pdf and a high quality color copy of your poster will be due **Mon. Sept 27**, and will be hung in the studios.

BUILDING ANALYSIS -- LIBRARIES -- 48-200, F'10

	20th-C LIBRARY BUILDINGS	PLACE	ARCHITECT	STUDENT
1	Mt. Angel Library	Oregon, USA	Aalto	Adler, Matthew J.
2	Queens Branch Library (Proj.)	(Proj.: Queens, NYC)	Holl	Altenhofen, Mariette (Sag
3	Bibliotheque Nationale + Jussieu Library Proj	(Proj.: Paris)	Koolhaas/OMA	Aras, Esra
4	Alexandria Library	Alexandria, Egypt	Snohetta	Bae, Jae Han
5	Amsterdam Public Library	Amsterdam, Netherlands	Jo Coenen	Bieberdorf, Anna
6	Kazakhstan Presidential Library	Astana, Kazakstan	BIG	Brant, Christina
7	Atlanta Public Library	Atlanta, GA, USA	Breuer	Chen, Christina
8	San Antoni-Joan Oliver Library	Barcelona	RCR	Ko, Su-Yun (Steven)
9	Jaume Fuster Library	Barcelona, Spain	Carmona	Crownover, William
10	Pallafols Public Library	Barcelona, Spain	Miralles	Decusatis, Anthony
11	Starr East Asian Library, Berkeley	Berkeley, CA, USA	Tsien/Williams	Denny, Phillip
12	America Gedenkbibliothek Projs	(Proj.: Berlin, Germany)	Holl,Lerup et al	Finch, Benjamin
13	Grimm Center, Humboldt Univ. Library	Berlin, Germany	Dudler	Fisher, Alex
14	FU Philology Library	Berlin, Germany	Foster	Kuntz, Kevin
15	Staatsbibliothek	Berlin, Germany	Scharoun	Harrison, Scott
16	University Library Deusto	Bilbao, Spain	Moneo	He, Lingnan (Claire)
17	Argentina National Library	Buenos Aires, Argentina	Testa	Ho, Matthew
18	History Faculty Library, Cambridge	Cambridge, England	Stirling	Hsi, Stacey
19	Harold Washington Library	Chicago, IL, USA	Beebe	Hughes, Elijah
20	Black Diamond	Copenhagen, Denmark	Schmidt, Hammer, Lassen	Hwang, Sung Phil
21	Cottbus University Library	Cottbus, Germany	Herzog & DeMeuron	Iwasaki, Dillon
22	Library Delft Univ. of Technology	Delft, Netherlands	Mecanoo	Jung, Yeonghee
23	S.L.U.B. (Saxony Stae & Univ. Library)	Dresden, Germany	Ortner & Ortner	Kalanyan, Sandra
24	Eberswalde Library	Eberswalde, Germany	Herzog & DeMeuron	Karadayi, Yeliz
25	Phillips Exeter School Library	Exeter, NH, USA	Kahn	Kinney, Alexandre
26	Library for Picture Books	Iwaki City, Fukushima, Japan	Ando	
27	Rolex Learning Center	Lausanne, Switzerland	SANAA	
28	Cesar Chavez Library	Laveen/Phoenix, AZ, USA	Line & Space	Lans, Adam
29	Peckham Library	London, Peckham Sq, UK	Alsop	Lazrus, Erica
30	British Library	London, St. Pancras	St. John Wilson	Lee, Yan Shun
31	Usera Public Library	Madrid, Spain	Abalos & Herreros	Lin, Ying
32	Museum of Modern Literature	Marbach, Germany	Chipperfield	Lynes, Michael
33	Grande Bibliothèque in Montréal	Montreal, Canada	Patkau	Mitchell, Abigail
34	Munster City Library	Munster, Germany	Bolles-Wilson	Mitchell, Angela
35	Nembro Municipal Library	Nembro, Italy	Studio Archea	Mo, Jolita
36	Beinicke Rare Book Library	New Haven, CT, USA	SOM	Orthmann, Sydney
37	Doc'n Centre Nazi Party Rally Grounds	Nurnberg, Germany	Domenig	Osterman, Cassandra
38	Morgan Library	NYC, NY, USA	Piano	Park, Jae Min
39	Cinematheque Francaise	Paris, France	Gehry, Brard	Polk, Sandy
40	Bibliotheque F. Mitterand (Bib. Nat'l)	Paris, France	Perrault	Puhnaty, Emily
41	Biblioteca Sandro Penna	Perugia, Italy	Italo Rota	Rathod, Rohan
42	Phoenix Public Library Main	Phoenix, AZ, USA	Bruder	Reyes, Paulina
43	Rovaniemi Library	Rovaniemi, Finland	Aalto	Russo, Jacob
44	San Antonio Public Library	San Antonio, TX, USA	Legoretta	Sanders, Samuel
45	U.Cal. San Diego Library	San Diego, CA, USA	Perreira	Schuessler, Kimberly
46	Ballard Branch Library	Seattle, WA, USA	BCJ	Schwalm, Matthew
47	Seattle Public Main Library	Seattle, WA, USA	Koolhaas/OMA	Sherburne, Bradley
48	Northgate Library	Seattle, WA, USA	Miller Hull	Silahtaroglu, Yasemin
49	National Library of Singapore	Singapore	Yeang et al	Sountsov, Yuriy
50	Stockholm Main Library	Stockholm, Sweden	Asplund	Stampf, Morgan
51	Tredyffrin Public Library	Strafford, PA, USA	Giurgola	Stoldt, Emerson
52	Sendai Mediatheque	Tokyo, Japan	Ito	Tong, Erica
53	Utrecht University Library	Utrecht, Netherlands	Arets	Tong, Monica
54	Viana do Castelo Library	Viana do Castelo, Portugal	Siza	Wang, I-Ting
55	Viipuri Library	Viipuri/Vyborg, Russia	Aalto	Woltersdorf, Kyle
56	Idea Store	Whitechapel, London, UK	Adjaye	Wong, Eugene
57	RWI Law Library (Rechtswissenschaftliches I	Zurich, Switzerland	Calatrava	Xu, Yifan

OTHER 20th-C LIBRARY BUILDINGS

Otaniemi Campus Library	Helsinki/Espoo, Finland	Aalto
Frances Loeb Library, GSD	Cambridge, MA, USA	Andrews
Tokyo University Library	Tokyo, Japan	Ban
Oechslin Library	Einsiedeln, Switz.	Botta
Médiathèque Robert Calméjane	Villemomble, France	Brenac Gonzalez
Library & Learning Center	Vienna, Austria	Hadid
UNAM Library	Mexico City, Mexico	O'Gorman
Goddard Library	Clark Univ., Worcester, MA	Johansen
Boston Public Library Addition	Boston, MA, USA	Johnson
Biblioteca Espana	Medellin, Columbia	Mazzanti
MLK Memorial Library	Washington, DC, USA	Mies
Cleo Rogers Memorial Library	Columbus, IN, USA	Pei
Clinton Presidential Library	Little Rock, AK	Polshek
Middelfart Culture Island	Middelfart, Denmark	Schmidt, Hammer, Lassen
Aveiro University Library	Aveiro, Portugal	Siza
Ryerson Library, Univ. Chicago	Chicago, IL, USA	SOM
Bush Presidential Library	SMU, TX, USA	Stern

HISTORICAL LIBRARY	PLACE	ARCHITECT
1 NY Public Main Library	42nd St., NYC	Carrere & Hastings (Foster)
2 Hofbibliothek (esp. Prunksaal)	Vienna	Fischer von Erlach
3 Folger Shakespeare Library	Washington, DC	Cret
4 (Old) Chicago Public Library	Chicago, IL	Shepley, Rutan, Coolidge
5 Laurentian Library	Florence, Italy	Michelangelo
6 French Royal Library (Proj.) - 2 schemes	(Paris), France	Boullee
7 Bibliotheque Ste. Genevieve	Paris, France	Labrouste
8 British Museum, Reading Rm	London, UK	Smirke
9 Bodleian Library, Arts End, Oxford	Oxford, UK	
10 Vatican Library	Rome, UK	Fontana
11 Trinity Library, Cambridge	Cambridge, UK	Wren
12 U.Virginia Library	Charlottesville, VA, USA	Jefferson
13 Redwood Library	Newport, RI, USA	Harrison
14 Peabody Institute Library	Baltimore, MD, USA	Lind
15 Crane & Ames Memorial Libraries	Quincy, & North Easton, MA	Richardson
16 St. Johns College, Univ. of Cambridge	Cambridge, UK	
17 Univ. of Pennsylvania Library	Philadelphia, PA, USA	Furness
18 Boston Public Library	Boston, MA, USA	McKim, Mead, White
19 National and University Library,	Ljubljana, Slovenia	Plecnik
Library of Congress, Main	Washington, DC	
Bedales School Library	Petersfield, Hampshire, UK	Gimson
Cambridge University Library	Cambridge, UK	GG Scott
Ambrosiana	Milan	Buzzi, Tessaro
Bibliotheque Nationale Reading Rm	Paris	Labrouste
Avery Architecture Library	Columbia Univ.	McKim, Mead, White
Winn Memorial Library	Woburn, MA	Richardson
Bavarian State Library	Munich	von Gartner
Carnegie Libaries		

LOCAL LIBRARY	PITTSBURGH	ARCHITECT
1 CLP, Main	Oakland, Pgh	
2 CLP, Sq.Hill Branch	Sq.Hill, Pgh	
3 CLP, Allegheny Branch	Northside, Federal St.	
4 CLP Woods Run Branch	Northside, Pgh	
5 CLP, East Liberty	East Liberty, Pgh	
6 CLP, Knoxville	Knoxville	
7 CLP, Homewood Branch		
8 CLP Brookline Branch		
9 Bradock Carnegie Library	Bradock	
10 Hillmann Library	Pitt, Pittsburgh	
11 Chatham Library	Chatham College, Pgh	
12 Gumberg Library	Duquesne Univ., Pgh	
13 Carnegie City Public Library	Carnegie	
14 CLP, Southside		
15 CLP, Mt. Washington		
16 CLP, Lawrenceville		

CMU LIBRARY		ARCHITECT
Hunt Library	CMU, Pittsburgh	
Mellon Science Library	CMU, Pittsburgh	
Engineering & Science Library	CMU, Pittsburgh	
Posner Center	CMU, Pittsburgh	
Hunt Botanical Library	CMU, Pittsburgh	

OTHER LIBRARY IDEAS		ARCHITECT
Materials Library & Material Connection	London & NYC	Miodovnik
UCLA Film Library & Archive	Los Angeles	
Prelinger Film Archive	DC / San Francisco	