

Architecture Studio: 2nd Year, F'11

Fall 2010, CMU, Arch #48-200, M/W/F 1:30-4:20

Class Website: www.andrew.cmu.edu/course/48-200

Coordinator: Kai Gutschow

Email: gutschow@andrew.cmu.edu

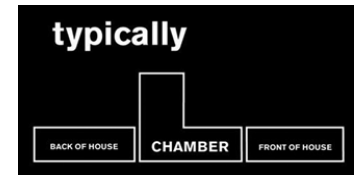
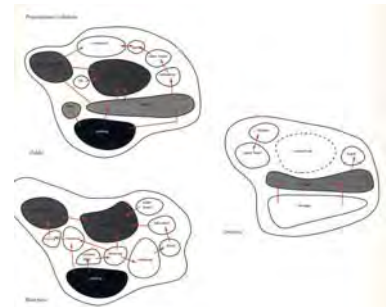
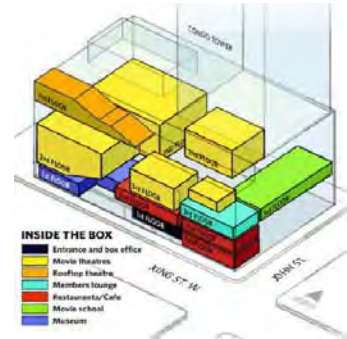
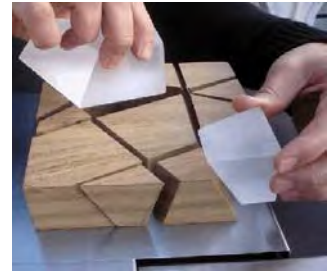
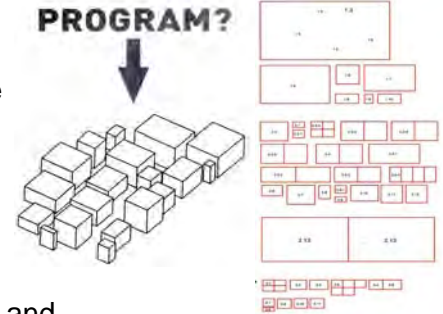
Off. Hr: M/W 12:30-1:30pm & by appt. in MM302

(11/3/11)

Project 4: PUBLIC LIBRARY- Program

Your charge is to design a new, SMALL, branch of the CLP on an infill site on Lawrenceville's Butler Street corridor. It should help energize the street, and create a vibrant library experience for the neighborhood. Your library must contain the following programmatic / functional elements:

- 1) Your library must be "small."
 - the building will be smaller than existing CLP branches
 - it can be considered an "annex" to the existing Lawrenceville branch, and thus may not need to be as "comprehensive" in scope; it can specialize.
 - consider new paradigms such as a storefront or micro-library, etc.
 - it must follow local zoning requirements, including building height, floor-area-ratio (FAR), lot-coverage, and setbacks (City of Pgh. 904.02 "Local Neighborhood Commercial" (LNC) district rules – see site info)
 - a suggested size is 6000sf
- 2) Book Display and Storage
 - allow for several different specialized book areas; e.g. a children's zone, a reference section, magazine area, fiction & non-fiction by topic, etc.
 - the collection does NOT need to be "comprehensive".
 - how might book display & storage drive your library design?
 - other kinds of display & storage (DVD & video shelves, etc.)
 - books and media should be stored away from direct sun, and even away from indirect sun, if possible.
 - books are HEAVY, requiring thick floor plates & structural supports
- 3) Reading Room and adjacent public spaces
 - space to read and meet others. What is "public space"?
 - space for ample computer terminals
 - desk and space for a reference librarian
- 4) Lobby or Entry Experience
 - include security station and screening device
 - access from exterior must be through an "airlock" (two sets of doors, or revolving doors, to prevent cold from coming in during winter)
- 5) Secure outdoor reading area
 - at grade, or on balcony/roof
 - accessible only from inside library, to prevent book theft
- 6) Optional: one other experience or function of your choosing that "fits" with a public library to form a singular, unified vision of a neighborhood branch library specifically for Lawrenceville
- 7) 1-2 Study rooms, conference rooms, or community meeting rooms
 - flexible to accommodate various community groups and functions
 - soundproof
- 8) Circulation system or desk, with device to receive and store books
- 9) Service space including:
 - librarian's office (200sf)
 - staff offices, kitchenette & book prep. work area (400sf)
 - a loading dock, for access of library truck
- 10) Mechanical space (400sf)
- 11) Men's & Women's ADA accessible bathrooms, 2 stalls each
- 12) Vertical circulation to meet ADA requirements (elevator or ramps)
- 13) Horizontal circulation to insure 2 primary means of egress/exit from all main spaces .



what if?

