Bararchitecture
Design Build Thesis Studio

Group Programme
SHIDILER RESIDENCE
Albany, Indiana

DRAFT
DESIGN PROGRAM
September 16, 1994

Thesis Design/Build Studio

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Visitor Parking
up to 20 cars
car court-double as
turn-around
(plaza)

Everyday Parking
2-3 cars
visual barriers

Garage
2 cars
people door

Alternate 1(a)
Alternate 2(a) - Mirror image of above

DRIVEWAY/PARKING ZONE

Access ↔

View →
DRIVEWAY

Alternative 1(a)  Extend original drive to east side of house and create a 'car court' 
Garage entrance would then be on east (southeast) side (2 door) 
Requires the use of a retaining wall in some fashion 
Main (formal) entry would be on east side through a walkway system, 
door located at NE, E, SE

pros 
+Economic benefit by reusing existing driveway 
+Procession in approach sequence provides an experience of the 
whole before point of entry 
+Future potential for service drive to other barns (shoot off existing) 
+Least amount of site disruption 
+Possible use of other barns for parking facilities 
+East side is more protected from the elements (snow, winter winds)

cons 
-Conflicts with (but does not control) the privacy and morning light 
requirements of the master bedroom, and the entry zone 
-Does not provide for an easy public to private flow in the plan

Alternative 1(b)  Place 'car court' (parking) to the north for a north main level entry (as a 
formal, main entry)

pros 
+Retains original entry with two big doors 
+Easy access to the main level for pedestrian travel 
+More usage of a back entry

cons 
-Disrupts view and green space opportunities 
-Adds extra paving sq. footage ($ & time) 
-North wind (but can be designed around for comfort)

Alternate 2(a)  Create paved (gravel) drive entry from the west side of pond 
Garage entrance on west (southwest) side (2 door), with visitor parking 
and retaining wall as required 
Main (formal) entry west side with side porch or other walkway

pros 
+Works well with the public to private aspects of the house plan 
+View around the pond (close up) 
+New house, new driveway apart from the old 
+Definite front door/back door relationship to site

cons 
-Economics, costs more 
-Weather, flooding of pond, winter conditions (drifts, ice, etc.) 
-Construction considerations-time, building up above pond level & compaction 
-More steps up to the main level, west entry requires move movement 
of earth 
-At a west entry the weather is a greater negative determinant in design

Alternative 2(b)  Place 'car court' (parking) to the north for a north main level entry 
(as a formal, main entry)

Pros and Cons same as for Alternative 1(b)
**GARAGE**

**Characteristics**
- Ground level entry from east or west, adequate room for 2 cars and storage for car and garden equipment

**Floor**
- poured concrete, with drain

**Walls**
- 2 ply gyp. board for 2 hour fire rating; painted

**Ceiling**
- painted gyp. board

**Windows**
- 1 or 2 small windows

**Doors**
- aluminum, 2 hr. fire rating to interior; garage doors

**Base**
- overhead

**Lighting**
- Furnishings/Cabinetry
- shelves and cabinets for equipment storage

**Equipment**
- garage door opener

**Electrical**
- standard

**Plumbing**
- floor drain

**Special**

**Primary Relationships**
- Vertical circulation

**Notes**
- Workshop

**WORKSHOP**

**Characteristics**
- approx. 20' x 20' room with adequate access for supplies

**Floor**
- poured concrete

**Walls**
- painted gyp. board

**Ceiling**
- painted gyp. board

**Windows**
- not necessary, possibly 1 or 2 small windows

**Doors**
- aluminum

**Base**
- overhead, florescent

**Lighting**
- Furnishings/Cabinetry
- countertops, cabinets

**Equipment**
- standard

**Telephone**
- possibly one outlet

**Plumbing**
- floor drain

**Special**

**Primary Relationships**
- Garage
- Vertical circulation

**Notes**
- Vertical circulation

**UTILITIES & STORAGE**

**Notes**
- Freezer enclosed in block
- utility core also enclosed in block
- ground level pantry for long-term storage
Entry/Interior (Formal)
light-filled view
high ceiling closet/storage
1/2 bath seating

EntryExterior
recognizable well lit
sheltered from weather
seating (bench) plants

Visitor Parking

Storage
1/2 Bath

Every-Day Parking

Living Space

Exterior Living Room Deck

Garage

Site

View from approach

ENTRY ZONE

Access

View
**ENTRY (FORMAL)**

**Alternative 1a**  
pros: South entrance on first level, eastern or centrally located  
cons: + better protection from elements; views of pond; accessible from either East or West driveway  
        - need for stair or ramp; not easily accessible to elderly or handicap

**Alternative 1b**  
pros: East or Northeast entrance on first level, ideally from grade level  
cons: + no stair with Northeast entrance; close proximity to East driveway  
        - no evening light, no view of pond

**Alternative 1c**  
pros: North entrance on first level  
cons: + no stair necessary; accessible to elderly and handicap; possible to have easy vehicle access; sense of mystery to visitors  
        - exposure to elements; not readily visible to visitors

**INTERIOR:**

**Characteristics**  
Natural daylight; mystery-not revealing living space immediately

**Floor**  
tile

**Walls**  
painted 5/8" gyp. board

**Ceiling**  
higher ceiling; painted 5/8" gyp. board

**Windows**  
allowing light but providing some privacy

**Doors**  
wood

**Base**  
oak

**Lighting**  
artistic or antique hanging light fixture

**Furnishing/ Cabinetry**  
hall tree, entry table, chair or bench, coat closet

**Electrical**  
standard

**Plumbing**  
possible for 1/2 bath located off of entry

**EXTERIOR:**

**Characteristics**  
Visible from approach, sheltered

**Floor**  
wood deck, concrete

**Overhead covering**  
extended roof or new material (wood, metal)

**Doors**  

**Furnishings**  
bench (built-in or moveable)

**Lighting**  
down lighting

**Equipment**  
doorbell, doorknocker

**Electrical**  
standard

**Special**  
plantings, planters, pots

**Primary Relationships**  
Exterior: parking, garage, connecting deck/orch  
Interior: living, vertical circulation, entry bath
Refrigerator Center
(receiving & food prep)
mixer, chop blocks
mixing bowls, utensils
cake & pie tins
occasional dishes
condiments, staples
"daily food"
wine storage
radio

Gathering

Range Center
(cooking & serving)
pots & pans, wok
steamer, potholders
frying pans, roaster
cooking utensils, platters
serving dishes, trays
grease containers
seasoning/spices
canned goods
bread bin/board
low counter for bread-making
microwave oven

Planning Desk
cookbooks
appliance literature
phone

Sink Center
(food prep & clean-up)
chop blocks, chopper
everyday dishes, glassware
pots & pans, pitchers
cutlery & silver
vegetable bins
towel rack, soap dispenser
wastebasket/recycling bins
cleaning utensils
disposal, colander
secondary cooler, mixer
coffee maker/ grinder
can opener, juicer, blender
drinking water tap

KITCHEN ZONE
KITCHEN

Characteristics
Breakfast/family dining area with view to south/southwest; generous counterspace for multiple users; manipulated openness to other areas; allow for some segregation

Floor
ceramic tile

Counters
reuse of hand-painted tiles

Walls
drop ceiling/ varied heights - possibly low over work, high over serving; 5/8" gyp. board

Ceiling
clerestory window; possibly under cabinet window

Windows
access to pantry; possible access to deck

Doors
oak

Base
various task lighting; accent light for displays

Lighting
bread counter, birch plywood with hardwood edges

Furnishings/Cabinetry
see zoning diagram

Equipment
multi-circuit 110V + 220V

Electrical
one outlet

Telephone
2 sinks - prep and clean-up, stainless steel; separate drinking water; dishwasher; refrigerator (ice maker)

Plumbing

Primary Relationships
Deck
Dining/gathering
Mudroom/secondary entry/vehicles
Laundry
Pantry

Notes
Views of pond- south- southwest site, west site
MUDROOM/BATH
SECONDARY ENTRY ZONE

Access ↔

View →

Mudroom
storage
easy clean-up
access to vert. circ.
bath/shower

Workshop
access from garage
counter space

Garage
2-hour fire rating
2 cars
storage for auto
and garden supplies

Site

Utility Entry

Storage

Mud Room

Vertical Circulation

Workshop

Bath

Garage
MUDROOM/BATH  
SECONDARY ENTRY

Alternative 2a
South entry, ground level
pros
+also provides access to outdoor recreation area
cons
-separate from parking; need for vertical circulation

Alternative 2b
East entrance, next to garage
pros
+access to more storage
cons
-separate from main living spaces

Alternative 2c
North entry, first level, entrance on grade
pros
+access for elderly, handicap, vehicle unloading
cons
-separate from parking

MUDROOM

Characteristics
Utilitarian, adequate storage for clothing, sports equipment
possible access to stair between ground and first level
possible access to 1/2 bath

Floor
Ceramic tile
Walls
Painted 5/8" gyp. board
Ceiling
Normal height, painted 5/8" gyp. board
Windows
Minimal
Doors
Insulated, aluminum door
Base
Match floor material
Lighting
Overhead
Furnishings/Cabinetry
Closet, counter and overhead cabinets, coat rack
Electrical
Standard
Telephone
None
Plumbing
Utility sink, possible shower, possible bath
Special

Primary Relationships
Kitchen
Secondary Entry
Requirements
Desk
Computer
Bookshelves
File cabinets
Sofa/Bed
Sitting Space
View
Art work
Privacy

STUDY/DEN ZONE
<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Quiet, cozy, introverted, private</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor</td>
<td>carpet or wood with area rug</td>
</tr>
<tr>
<td>Walls</td>
<td>painted 5/8&quot; gyp. board (possibly exposed structure)</td>
</tr>
<tr>
<td>Ceilings</td>
<td>painted gyp. board (possibly exposed structure)</td>
</tr>
<tr>
<td>Windows</td>
<td>one, with a pleasing view</td>
</tr>
<tr>
<td>Doors</td>
<td>one entry - wooden</td>
</tr>
<tr>
<td>Base</td>
<td>wood moulding-painted or stained</td>
</tr>
<tr>
<td>Lighting</td>
<td>ceiling fixture, task lighting (lamps) at work areas</td>
</tr>
<tr>
<td>Furnishings/</td>
<td>large desk with 'comfy' chair, bookshelves, filing cabinets, sofa-bed</td>
</tr>
<tr>
<td>Cabinetry</td>
<td></td>
</tr>
<tr>
<td>Equipment</td>
<td>outlets to accommodate lamps, computer</td>
</tr>
<tr>
<td>Electrical</td>
<td>at owner's discretion</td>
</tr>
<tr>
<td>Telephone</td>
<td>for computer?</td>
</tr>
<tr>
<td>Cable</td>
<td>wall space available for artwork display</td>
</tr>
<tr>
<td>Plumbing</td>
<td>lock between public spaces (living, kitchen, entry, etc.), close in proximity to a bathroom</td>
</tr>
<tr>
<td>Characteristics</td>
<td>Prefer morning light; possible access to exterior spaces; vaulted ceilings with lowered portion over sleep area, includes sitting area adjacent; linked with dressing, bath areas</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Floor</td>
<td>hardwood with area rugs or wall to wall carpet</td>
</tr>
<tr>
<td>Walls</td>
<td>painted 5/8&quot; gyp. board</td>
</tr>
<tr>
<td>Ceilings</td>
<td>multi-level exposed timber frame and gyp. board</td>
</tr>
<tr>
<td>Windows</td>
<td>east or south exposure if possible</td>
</tr>
<tr>
<td>Doors</td>
<td>lock, access to exterior, dressing, and bath</td>
</tr>
<tr>
<td>Base</td>
<td>match hardwood floor materials</td>
</tr>
<tr>
<td>Lighting</td>
<td>ample light for reading, adjustable with dimmers (mood lighting)</td>
</tr>
<tr>
<td>Furnishings/</td>
<td>bed, side tables, 2 easy chairs, book shelves, loveseat, coffee table</td>
</tr>
<tr>
<td>Cabinetry</td>
<td></td>
</tr>
<tr>
<td>Equipment</td>
<td>wood stove, ceiling fan, track lighting</td>
</tr>
<tr>
<td>Electrical</td>
<td>standard</td>
</tr>
<tr>
<td>Telephone</td>
<td>(smartly spaced) multiple jacks</td>
</tr>
<tr>
<td>Plumbing</td>
<td>none</td>
</tr>
<tr>
<td>Special</td>
<td>must provide enough space for a sitting area</td>
</tr>
<tr>
<td>Primary Relationships</td>
<td>No direct access to family(public) areas; bath and dressing as sound buffers</td>
</tr>
<tr>
<td>Exterior Relationships</td>
<td>Deck or patio, semi-private vertical circulation to study above</td>
</tr>
</tbody>
</table>
MASTER BEDROOM ZONE

Access  

View
### BATH
**(Master Bedroom)**

**Characteristics**
- Well lit, tile for counter and floor surfaces, prefer some exposure to morning light and access to exterior space

**Floor**
- ceramic tile

**Walls**
- tile or painted 5/8” gyp. board, based on location

**Ceilings**
- multi-level, exposed timber frame and gyp. board

**Windows**
- frosted glass, glass, glassblock, clerestory

**Doors**
- access to exterior, dressing, and bedroom

**Base**
- tile to match

**Lighting**
- indirect in shower and/or tub, direct in toilet and vanity area

**Furnishings/Cabinetry**
- linen cabinet, built-in vanity, counters

**Equipment**
- toilet, vanity, shower stall, jacuzzi tub, shower, toilet vents

**Electrical**
- standard

**Telephone**
- one outlet

**Plumbing**
- service for shower, tub, sinks, toilet

**Special**
- must provide enough space for a sitting area

**Primary Relationships**
- Bedroom, Dressing, Exterior spaces

### DRESSING
**(Master Bedroom)**

**Characteristics**
- Clean in presentation and appearance, everything in it's place with a place for everything

**Floor**
- hardwood with rugs or wall to wall carpet

**Walls**
- NA-mirrors, painted 5/8” gyp. board based on location

**Ceilings**
- exposed timber frame and gyp. board

**Windows**
- frosted glass, glass, glassblock, clerestory looking to bedroom

**Doors**
- access to dressing, and bath

**Base**
- match hardwood

**Lighting**
- well lit for dressing, task lighting at counter

**Furnishings/Cabinetry**
- cabinets for clothing storage (dressers), built-in make-up areas, possible desk surface

**Equipment**
- space storage cabinet system, drawers, hanging rods

**Electrical**
- standard

**Telephone**
- one outlet

**Plumbing**
- sink

**Special**

**Primary Relationships**
- Bedroom, Bath areas
Square Footage
Bedrooms  190 sf(ea.)
Full Bath    60 sf
Internal Hall 50 sf
Upper Gallery 200 sf

690 sf
(not including closets and circulation.)

BEDROOMS/BATH ZONE
## BEDROOMS/BATH

### Characteristics
- Spaces recommended to be on second floor
- Visual separation of reading and sleeping area
- Prefer daylighting to the north (bedrooms)
- Prefer to overlook interior spaces from interrelated library and art gallery
- Common storage space between bedrooms intended for linens, seasonal clothing, etc.
- Hi-low ceiling (over sleeping area)
- Exposed structure ideal

### Floor
- Bedrooms-carpet, Bathroom- ceramic tile, Storage-carpet, Circulation and Gallery area-hardwood floors

### Walls
- Painted 5/8" gyp. board

### Ceilings
- Exposed structure, painted 5/8" gyp. board, high-low

### Windows
- Library and Art Gallery-plenty of fenestration, Bedroom-windows recessed from perimeter of existing structure

### Doors
- Access to possible exterior balcony

### Base
- Wood

### Lighting
- Special lighting for reading, general overall room lighting, warm (color) lighting for dressing, lighting to read in bed, indirect/direct combination for bathroom

### Furnishings/
#### Cabinetry
- Wood bookshelves (indirect lighting), custom cabinetry for intermediate hall between bedrooms and bath, beds in bedrooms (with shelf combination), seating in reading areas (bedrooms), built-in seating in library and art gallery

### Equipment
- Ceiling fans, exhaust fan (bath)

### Electrical
- Standard

### Telephone
- One outlet per bedroom, one outlet in library and art gallery

### Plumbing
- Toilet, shower/tub, sink

### Special
- Circulation with railing overlooking first floor

### Primary Relationships
- Close proximity to private zones of overall residence,
- Library and art gallery to serve as 'buffer' between public and private

### Notes
Deck
- partially covered
- planters
- seating
- dining
- view

Patio
- plantings
- BBQ/grill
- lighting
- seating
- canopy
- view

Living Room/Deck

Pond

Rec. Room
- transitional space
- between house and patio
- access to garage and
- living areas (esp. kitchen)
- kitchenette? wet bar?

Garden
- plantings at pond edge
- block driveway from view
- pedestrian paths from entry

Access

View

EXTERIOR RECREATION ZONE
**RECREATION AREA/ EXTERIOR**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Outdoor space, patio space, covered outdoor space, a physical extension of interior space flowing to the outdoors and the outdoors into the interior</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Floor</strong></td>
<td>deck, patio, barbeque, plantings, garden areas, walkways</td>
</tr>
<tr>
<td><strong>Walls</strong></td>
<td>Deck-wood, Patio-concrete, pavers, brick (from house)</td>
</tr>
<tr>
<td><strong>Overhead Coverings</strong></td>
<td>only adjacent exterior finishes</td>
</tr>
<tr>
<td><strong>Windows</strong></td>
<td>trellis, extended roof, lattice with vines, canopy (metal)</td>
</tr>
<tr>
<td><strong>Doors</strong></td>
<td>french doors, sliding glass doors/wall, side lites and transom (facade)</td>
</tr>
<tr>
<td><strong>Base</strong></td>
<td>flood lighting, task lighting at BBQ, accent lights at walkways</td>
</tr>
<tr>
<td><strong>Lighting</strong></td>
<td>patio chairs and table, picnic table, lounge chairs, benches</td>
</tr>
<tr>
<td><strong>Furnishings/ Cabinetry</strong></td>
<td>BBQ/grill, bug zapper</td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td>standard</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td>boat dock, pier, vertical connection to main level (stairs), garden, plantings</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Plumbing</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Special</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Primary Relationships</strong></td>
<td>Pond - House</td>
</tr>
<tr>
<td></td>
<td>Rec. area (garage entry) - Patio</td>
</tr>
<tr>
<td></td>
<td>Living area - Deck</td>
</tr>
<tr>
<td></td>
<td>Kitchen connection</td>
</tr>
<tr>
<td><strong>Notes</strong></td>
<td></td>
</tr>
</tbody>
</table>
BarMitecture
Design Build Thesis Studio

Small Group Design
After each student in the studio created and presented, in class, their conceptual design, we split into small groups with others in the studio who had the same design ideas. These five groups each produced a design which was to be presented to the clients for their input and feedback.

Jennifer Gilmer, Roland Resurreccion, Phil Matton, and myself all had similar ideas and our projects worked well together so we formed a team. Each team was to then create another conceptual design using a programme which the class as a whole formulated.

After this group design, each group priced a different area of the project to see if it could actually be built for the $80,000 that Tony Shideler had put aside for this project.

After all the price estimates were returned, it was estimated that the project would cost approximately $77,000 in materials with the studio members providing the construction labor.
Bararchitecture
Design Build Thesis Studio

Class Conceptual Design
After each student had completed a conceptual design and a small group design, the owners gave back their input. After they were presented with all five small group designs, they took home copies to comment on each project. From these five small group projects and the comments which the Shidlers made on each of them, the class sat down for two days and finally arrived at a group design.

These two days consisted of anyone being in studio to voice their inputs whenever they could. People were wondering in and out whenever they wanted to or could. As we wondered in and out, the conversation constantly shifted as the groups personality changed. Finally, at the end of the second day, a “final” schematic design was on paper and ready to be developed further.

There were still many unknowns, but we were ready to start demolition and soon after, construction of a new 3500 sq. ft. home for Tony, Suzanne, and T.J.
1. All dimensions are to face of stud.
2. Interior walls to be 214 wood studs @
   16" OC, with (2) layer 1/2 C and B each side.
3. Verify dimensions to be verified after existing
   exterior sheathing is removed and continuously during
   construction. Adjustments shall be made to these
   dimensions accordingly.
4. Main finished floor @ 0'-0" unless noted otherwise.
   Lower level finish floor @ -0'-0" unless noted otherwise.
   loft level finish floor @ -0'-0" unless noted otherwise.
SHIDELER BARN
ALBANY, INDIANA
EXTERIOR ELEVATIONS

WEST ELEVATION
SCALE 1/8" = 1'-0"

EAST ELEVATION
SCALE 1/8" = 1'-0"
Bararchitecture
Design Build Thesis Studio

Group Permit Set
NOTES:
1. DIMENSIONS ARE TO FACE OF STUD.
2. TALLER WALLS TO BE 2X4 WOOD STUDD @
   16" C.C. WITH 2" LIPPER 1/2" O.D.B. EACH SIDE.
3. ANY DIMENSIONS NOTED AS "VARY" MAY
   ALTER IN LATER STAGES AND RENOVATIONS FOR EXISTING
   SITE OAK FRAME CONDITIONS.
4. FINISH FLOOR @ 0'-0" UNLESS NOTED OTHERWISE.
5. LEVEL OF FINISH FLOOR @ 0'-0" UNLESS NOTED OTHERWISE.
6. 1ST LEVEL FINISH FLOOR @ 0'-0" UNLESS NOTED OTHERWISE.
7. FINISH OAK FRAME TO ROAMAN.
All dimensions are to face of stud.
Interior walls to be 2x4 wood studs @ 16" O.C. with (1) layer 1/2" C.I.B. each side.
Adjustment of dimensions noted as "Vomy" may be altered and updated to accommodate for existing white oak frame conditions.
Main floor finish floor @ 9'-6" unless noted otherwise.
Lower level finish floor @ 9'-6" unless noted otherwise.
Loft level finish floor @ 8'-0" unless noted otherwise.
All existing bar white oak frame to remain.
Bar\textit{M}itecture
Design Build Thesis Studio

Final Group Designs
Even though this is called the final design, this is actually the most recent and up-to-date set of construction drawings. That is the beauty of design/build practices. No architect can visualize every space within a design on paper. It is inconceivable. The architect today creates and designs a vision and a feeling and passes that information in the form of construction documents only onto a contractor who actually builds the project.

With design/build, the architect is the contractor. The architect is the one on site making changes from the original design because of this and that. When the architect is the one actually experiencing the spaces as they are being constructed and the architect is the one making spur of the moment changes, often very minor changes which make a great effect overall, the overall project is enhanced.

There were changes being made constantly on site. These changes varied from designing something which would make construction time move faster to changing the layout of a master bathroom to gain more room to creating and changing mechanical and plumbing layouts to better serve the building.

Some of these changes were picked up on this final design, but some were not. There will still be changes made during the rest of construction and continuously during the life of the soon to be home.
SHIDELER RESIDENCE
ALBANY, INDIANA
LOFT MECHANICAL PLANS
Final Thoughts
...and (almost) finished as a home.

Many professionals I talked to approached the idea of a design/build studio with excitement. These are people who are running and practicing in successful firms. They feel like construction of a design as a learning experience is the most valuable learning experience possible.

I agree with this philosophy. This has been the best learning experience I've ever participated in while at Ball State University. The amount of information received and knowledge gained through doing is immeasurable. I actually built what I designed. I have a full size model.

Granted design build, especially with twelve designers, has a few drawbacks and limitations, but working with other designers is going to be an everyday occurrence once out in the real world. Construction problems, not actually constructing it, but detailing and process dealing with how it will be built, will also be an everyday occurrences. These are just some of the issues we dealt with each and every day.

This was not a traditional thesis. The studio was completed with conceptual design and client presentations in early November. This was a traditional thesis plus more. Instead of getting burnt out refining our own design over and over for a school year, something which consumes only ten to fifteen percent of a real projects time, we developed designs, quickly refined them, and let the actual owners express what they wanted, didn't want, liked, and hated.

That is design. The architect should give the owner what they want, not what the architect wants. The architect and the owner have different needs. The owners needs should be meet first. I'm not saying that the owner decides upon the design, if this were the case, the owner would be the architect. The architect is providing a service to the owner first. This should be remembered and the owners input should not be overlooked or ignored.

Our thesis proved that you can give twelve architecture students hammers and saws and they can learn. Learning is not confined to the halls of CAP. We didn't finish, but there are other considerations. I can honestly say that our thesis is further along than any other.
**Anyone seen:**

Bruce? Yeah, he's in the basement smoking a pack of cig's--I thought he didn't smoke--He didn't, but he does.

Douhy? He's had a six-pack and he's floatin'--You mean drunk?--No floatin', he's on the pond on a piece of blue board goin' off about Troy being bossy and something about a back door.

Amanda? She's hanging upside down from the rafters at the peak trying to get just one more electric line run.

Jen? She's loopy

Bob? He went to the hospital--Did Shadow get the best of him?--No, he hit himself in the head with the hammer again--Tell him to pick up a load of wood at Carter on his way back.

Jeannie? She's in the Bathroom

Tim? I know He's working with Jeannie.

Sarah? You guessed it--Troy we need more joiststo hold up the live load in that corner if the duration factor is taken into account.

Phil? Who????

Troy? He went to rescue Douhy--Can Troy swim?--It doesn't matter, the tractor works underwater.

Kelly? I think that's another Dill St. stamp on his arm.--No, that was the one from the night before.--How about the one on his other arm?--No, that was the night before that.

Roland? Who?--No that's Phil, Roland has an excuse.

Woody? He's out behind the wood pile curled up into the fetal position. we're supposed to wake him up when the beer's cold.