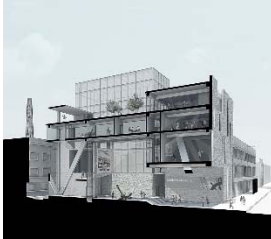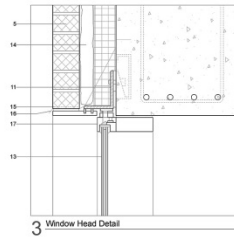**Instructor:** Marla Smith marlasmith@utexas.edu
Office Hours: TU, TH 12:45-1:45 Sutton Basement

TA: Winn G. Chen wgchen@utexas.edu

Young-Park F2012

Prerequisites:
Undergraduate: Architecture 560R with a grade of at least C.
Graduate: Graduate standing; Architecture 385N, 394 (or 394C and 394D);

Description: In this class you will continue to integrate digital tools into your design process.
We will use 2D, 3D and BIM software to develop and document various projects. We will concurrently review various standards for representation in both the classroom and office environments. Topics will include drawing set organization, office standards, estimating techniques, and data organization as they relate to both Building Information Modeling and Professional Practice.

During the first half of the semester we will move through a series of technical and graphic representation exercises designed to develop your skills while reinforcing the organizing principles of digital drawing and model creation. We will explore the implementation of data driven design and Building Information Modeling.

During the second half of the semester we will work on an assigned project. We will have group pin-ups covering specific drawings including: diagrams, plan, section, detail, schedules and perspective views. These pin-ups will focus on the ability of the drawings to illustrate, focus, and clarify your design intentions.

You may use the program of your choice to represent your design. However you must show proficiency in Revit through completion of the assignments. By the end of the semester you should be able to design, build a model and render images or drawings that are both clear and evocative. You will also show a clear understanding of drawing set organization, data organization, and data representation.

I am looking for a critical attitude toward the design, the software and the presentation.

Hardware: You should have a computer in accordance with the School of Architecture Computer Initiative.
Output: Computer Lab in Sutton.
I will be giving short presentations on Tuesday and Thursday. I will give you a schedule of the topics and various handouts.

Software: Before the first day of class you should download and install the lab versions of Autocad Architecture and Revit. These programs are available from a the Autodesk Educational website:

https://www.autodesk.com/education/home

I recommend that you use the download now option instead of install now.

Evaluation:

Attendance: Three unexcused absences will result in the lowering of your grade by one letter.
Four unexcused absences will result in a grade no higher than a C and my recommendation that you drop the course. Five unexcused absences = F.

Progress: Everyone is starting out at differing levels of proficiency therefore your grade will be based on relative progress.

Assignments: There will be a series of required assignments throughout the semester. You should complete assignments by the beginning of class on the due date.

Grades:

X Excused Incomplete - Can be given only for legitimate reasons of illness or family emergency. Simply not completing work on time is not an adequate cause for assigning this evaluation. It may only be used after consultation with the Associate Deans' offices and with an agreement as to a new completion date. Work must be completed before the second week of the next semester in which you are enrolling, according to the School of Architecture policy.

F Fail - Project is unresolved. Minimum objectives are not met. Performance is not acceptable. Note that this grade will be assigned when you have excessive unexcused absences.

C-, D Poor - Project is incomplete. Basic grasp of skill is lacking, visual clarity or logic of presentation are not level-appropriate. Student does not demonstrate the required competence and knowledge base.

C+/C Average - Project meets the minimum requirements. Suggestions made in class and not pursued with dedication and rigor. Project is incomplete in one or more areas.

B-/B/B+ Above Average - Project is thorough, well presented, diligently pursued, and successfully completed. Student pursues ideas and suggestions presented in class and puts in effort to resolve required projects. Project is complete on all levels and demonstrates potential for excellence.

A/A- Excellent - Project surpasses expectations in terms of inventiveness, appropriateness, visual language, conceptual rigor, craft, and personal development. Student pursues concepts and techniques above and beyond what is discussed in class. Project is complete on all levels.

Recommended resources:

Architect's Studio Handbook, Patterson
Lynda.com (free tutorials for current UT Students)
Video Tutorials included in assignments
Autodesk Design Academy, https://academy.autodesk.com/software/revit

Accommodations:

At the beginning of the semester, students with disabilities who need special accommodations should notify the instructor by presenting a letter prepared by the Services for Students with Disabilities Office. To ensure that the most appropriate accommodations can be provided, students should contact the SSD Office at 471-6259 or 471-4641 TTY.

Policy on Scholastic Dishonesty:

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.
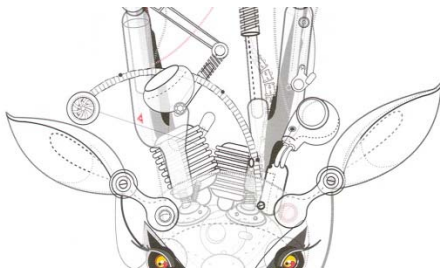
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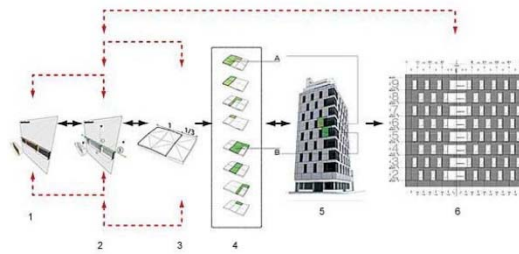
290 Mulberry, New York, ShOP Architects

TECHNICAL COMMUNICATIONS ARC 361T/381T

Instructor: Marla Smith marlasmith@utexas.edu
Office: TU, TH, 12:45-1:30, TBD
TA: Winn G Chen wgchen@utexas.edu

	date	lecture/lab	Assigned	Due	
1 tu	01.22	Class Intro/Massing	A01 Mass Variations		
th	01.24	Importing/Loading			
2 tu	01.29	Viewpoints			
th	01.31	Sheets/Rendering/Printing			
3 tu	02.05	Brand/Values	A02 Brand/Template		
th	02.07	Title Block/Template		A01 Mass Variations	Digital Submittal
4 tu	02.12	Setup/Topography	A03 Constructions	A02 Brand/Template	Digital Submittal
th	02.14	Walls/Floors			
5 tu	02.19	Roofs/Structure			
th	02.21	Curtain Walls/Ramps			
6 tu	02.26	Windows/Doors			
th	02.28	In-Place Families		A03 Shell	Digital Submittal
7 tu	03.05	Graphics/Exporting/VR			
th	03.07	Project Review/Workday			
8 tu	03.12	Pin-up		A03 Constructions	Print Before Class
th	03.14	Loadable Families\Revisions			
		Spring		Break	
9 tu	03.26	Plans/Building Sections	A04 Re-Presentations		
th	03.28	Project Review/Workday			
10 tu	04.02	Tagging/ Wall Sections/Details			
th	04.04	Project Review/Workday			
11 tu	04.09	Pin up		A04a	Print Before Class
th	04.11	Office Standards/Organization/Schedules			

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		date	lecture/lab	assigned	due
12	tu	04.16	VR		
	th	04.18	Project Review/Workday		
13	tu	04.23	Pin-up		**Print Before Class**
	th	05.25	Project Review/Workday		
14	tu	05.30	Final Pin-up	**A04b**	**Print Before Class**
	th	05.02	Revisions		
15	tu	05.07	Project Review/Workday		
	th	05.09	Project Review/Workday		
	tu	05.07		**A04**	**Digital Submittal**

	Assignment Points	pts %
A01	Mass Variations	10
A02	Brand/Template	10
A03	Constructions	15
A04 a,b	Floor Plan	10
	Building Section	5
	Wall Section	5
	Detail	5
	VR/Panorama	5
	Data/Schedules	5
	Graphics	10
A04	Final Set	20
ttl		100