ARCH 302--- New York Studio
Cal Lewis and Leslie Forehand will be offering the same project, taught from their respective perspectives.

Cal Lewis: Section 1
OR
Leslie Forehand: Section 4

Project: TIMBER IN THE CITY--- Urban Habitat Competition ($40,000 in prizes)
Our Studio will have the option of participating in the Association of Collegiate Schools of Architecture (ACSA) Competition for this academic year. The project challenges teams of students to design a mid-rise, mixed-use complex with affordable housing units, a NYC outpost of the Andy Warhol Museum, and an expanded home for the historic Essex Street Market.

Site: SEWARD PARK URBAN DEVELOPMENT AREA--- Manhattan Lower East Side
The project site is part of the Essex Crossing Development, which is looking for places of inhabitation, repose, recreation, and local small scale commercial exchange, as well as the creation of social and cultural exchanges. The evolving neighborhood setting within the dense urban environment of NYC will provide a valuable context for your project development.

Material: TIMBER--- Wood Building Systems
Participants will be asked to interpret, invent, and deploy numerous methods of building systems, with a focus on innovations in wood design. Timber is an ideal green building material and is well suited for a broad range of structural, aesthetic, economical, and high performance applications, which your research should reveal.

Studio Culture: COLLABORATION--- Professional Office Setting
Architecture is a team endeavor, which is fueled as much by the perspiration of a rigorous collaborative effort as it is by inspiration of a unique individual vision. Based on the positive lessons of my 45 years of architectural practice, our studio will maintain a professional office environment with a focus on dialogue, interaction, and mutual respect to help fuel the crucible of collaborative learning.

Summary:
ARCH 302 is a landmark studio in your architectural education, which I have been fortunate to teach many times. You will need to incorporate the full spectrum of technical, environmental, and aesthetic design issues into your projects to be successful in accomplishing the goals of the studio, as well as receive potential recognition in the competition. To broaden the effective feedback available to our studio, we will work in collaboration with the studio of Prof Leslie Forehand, who has a valuable background in NYC. We will be conducting architectural tours and visiting several high identity architecture offices in the city. This will be a very challenging project, which will require great focus and commitment; be prepared.

For more information on the competition visit the web site:  http://www.acsa---arch.org/programs---events/competitions/2015---2016---timber---in---the---city

Plane ticket to NYC (18---22 Feb) and ground transportation in NYC paid by each student; lodging in NYC arranged by faculty and paid by U---Bill (approx. $300).

Lewis & Forehand: END
STUDIO ISSUES

‘Gradation’
Our life in and out of the house is not separated but continuous through the spaces and time. Making physical house is such a big event as well as a process by gradual changes. Gradation can be translated into our everyday life as an attitude or a point of view or visualization.

‘Porosity’
In architecture, we describe porosity with the elements that are open-air but are covered: piloti: balcony: terrace: rooftop garden and such. Porosity defines the spatial boundaries between interior to exterior and private to public. Architecture with abundant porousness secures more freedom and openness in lighting, ventilation, circulation, and etc. Porosity eases the density of urban structure and partakes in making urban life to be more pleasant and comforting.

‘Mixed-use’
‘Density’ and ‘mixed-use’ – the fundamentals of the urban system – are the main issues of the topic. Today, ‘highrise- high density’ housings have created problems such as detachment from its locals, high dependency on machinery, and etc. On the other hand, I suggested ‘low rise – high density’ as a solution to change intricate urban situations to a pleasant and comforting one. Mixed-use architecture has potential to reduce the distance between works to home and to form an intimate relationship between architecture and streets. This concern is not just limited to the Dallas / Fort Worth; it is problematic in all cities of our time. Mixed-use architecture eases the proximity of work to home, reduces the travel distance around the city, and increases the energy efficiency.

SEQUENCE OF STUDIO

Our studio will focus on how to compose mixed-use residential near the Kimbell Art Museum of Fort Worth with specific theme: ‘Porosity and Gradation’. Prior to this main project, we will do an initial project, ‘ New visitor center for Farnsworth House’ which is one of ACSA competitions. (http://www.acsa-arch.org/programs-events/competitions/2015-2016-preservation-as-provocation) It would be a good exercise for the main housing project in terms of dealing with master piece architecture context and an architecture competition experience. So we will do more research about those great iconic buildings: Farnsworth House by Mies van der Rohe, Kimbell Art Museum by Louis Kahn and Renzo Piano, and Modern Art Museum of Fort Worth by Tadao Ando for our project inspiration and relationship. The final project, Mixed-use housing project would be generated by specific scenario and programs which each team should make. Both of two projects will be team base (2 or 3 students/team).
Ji_ continued:

SITES

The site for Mixed-use housing project is facing the Kimbell Art Museum complex and the Modern Art Museum of Fort Worth which are famous and great building by various master architects.

FIELD TRIP

Our main field trip city is Dallas / Fort Worth from Thursday, Feb 18 to Monday, Feb 22. Making arrangements for your air ticket from Des Moines Airport (DSM) to Dallas-Fort Worth International Airport (DFW) and transportation from Ames to DSM and from DFW to hotel is your responsibility. (I would recommend booking your air ticket ASAP after your registration. Non-stop tickets would be sold out very quickly) Transportation in Dallas / Fort Worth is also your responsibility.

There will be hotel rooms (four students per one room) booked by instructor for four nights billed to your U-Bill. Site visits, museum visits, and firm visits will be arranged by your instructor. There will be opportunities to tour great architectural structures, including the Kimbell Art Museum, the Modern Art Museum of Fort Worth, the Nasher Sculpture Center, and other relevant cultural institutions. The U-Bill cost should be around $300 - 400 each for those with shared rooms. Travel costs are at your discretion. Flights between Des Moines and DFW are, on average, around $300-$400 round trip. As an alternative, flights from Kansas City or Minneapolis to DFW are, on average, $200-$300, although you would also be responsible for traveling to and from Ames-Kansas City or Minneapolis. (*booking airplane ticket yourself through travel website like www.orbitz.com www.expedia.com www.hotwire.com )
The studio will focus on dwelling in the city—specifically on dwelling in urban 'signs', both literal and phenomenal.

**Project 1, "Billboarded" (5 weeks)**
A standard roadside double billboard—supported on a metal frame, triangular in plan, and on a cylindrical steel pedestal (see photo below)—will serve as infrastructure for a dwelling for one or two people. The billboard will be located 'at the road', entered covertly, and occupied discreetly. The billboard's sign will provide openings into and views out of this multi-story triangular space.

**Project 2, "High-line Housing" (9 weeks)**
A multi-story hotel/condominium complex built of timber framing on NYC’s high-line, with a children’s community house and a performing arts auditorium. The building will be wrap in representation——enclosed within or supporting a sign façade. (see below right).

The **field trip to New York City** will be for five 5 days, from Thursday, February 18 through Monday, February 22. Hotel accommodations are reserved for you at the Hostel Internationale, Upper West Side, (west of Central Park, south of Columbia University). Air travel and ground transportation is your responsibility. (There is only one, non-stop flight from Des Moines to La Guardia daily. It is on Delta and departs at 7:50 A.M. on Thursday, and returns on Monday evening at 7:59 PM.) At least two other studio sections will go to NYC 2/18—22.
Situation

A sense of urban identity is intimately tied to the buildings and structures which comprise the city’s scale, materiality, form, and spatial organization. Architectural typologies define particular cultures, which reflect building technology, styles and trends, local weather, as well as regional or local community traditions, among many other factors. Many American cities have specific scales, building types, and identity tied to its historic development. Nowhere might this be more evident than in the southern coastal urban cities of Charleston, SC and Savannah, GA. This studio will travel to these two port cities to observe, analyze, and design within the unique historic fabrics dating to the early settlement and development of the American colonies. Despite their proximity, there are distinguished differences between the two cities regarding urban planning, and divergent attitudes in both preservation and contemporary development which are readily visible. This studio will research, debate, design, and negotiate historic context some wish to maintain and others aim to evolve.

Projects

This studio will be divided into two distinct design projects, each requiring substantial research and production. Project 1 will propose an adaptive reuse project, inhabiting an existing urban structure, requiring an intensive evaluation of existing urban housing typologies. Project 2 will propose a new mixed-use housing structure in Charleston, SC or Savannah, GA, designed to house both residential and commercial spaces. Prior to, and during our visit to the two cities, the studio will evaluate existing structures, local building typologies, transportation systems, land use, and other influential urban systems. Projects will begin with individual investigation, although each project will be further developed and proposed as teams.

Process

Students will draw extensively in this studio, both by hand and utilizing digital tools. Representation will be rigorous and vital to all projects, from analysis to proposal, gestural to construction, info-graphics to presentation boards, and system diagrams to perspectival occupation. Drawing will be the primary investigative media in this studio, balanced with models which challenge and inform the weaknesses drawing provides as a design media.

Field Research

This studio will travel to Charleston, SC / Savannah, GA in late February for field research. Students will be responsible for cost of flights to and from Charleston, SC. Lodging will be reserved for you, with approximately four persons per room. The field research will include visits to our site, important buildings, relevant museums/schools, and architecture firms to be arranged by your instructor. Costs are expected to be around $300 - $450.