Timber in the City
Urban Habitat Competition - The Association of Collegiate Schools of Architecture (ACSA), Binational Softwood Lumber Council (BSLC), School of Constructed Environments at Parsons The New School for Design (SCE).
Arch 476 – Spring 2013
Prof. M Taylor

CHALLENGE
The competition challenges participants to design a mid-rise, mixed-use complex with affordable housing units, a job training/educational facility, a center for innovative manufacturing of wood technology, and a distribution center. Aspiring to regenerate a dissipating urban manufacturing sector and address the housing needs of New York City, entrants will be asked to design a place for the creation of originate vocational opportunities embracing new wood technology. Entrants will be challenged to propose construction systems in scenarios that draw optimally on the performance characteristics of a variety of wood technologies. The project site is in Red Hook, Brooklyn a neighborhood in some flux, cut off from much of Brooklyn geographically, yet increasingly vibrant.

PROGRAM
The diversified program proposes several spatial conditions, span distances, and environmental criteria in order to elicit a diverse group of architectural compositions and technological solutions that incorporate the use of differing structural, framing, and detail-oriented components. Such conditions may be:
• Vertical mid-rise framing (i.e. Mass Timber Systems such as CLT and FFTT)
• Interior partitioning (stud framing or modular panelized systems)
• Exterior cladding (modular assemblies)
• Long-span structure (glulam beams, truss joists, or other composite members)

<table>
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<tr>
<th>Residential Total</th>
<th>109,725 sqft</th>
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<tr>
<td>Bike Workshop</td>
<td>14,050 sq/ft</td>
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<tr>
<td>Wood Production</td>
<td>44,640 sq/ft</td>
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<tr>
<td>Digital Production</td>
<td>14,340 sq/ft</td>
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REQUIRED DRAWINGS
Each presentation must directly address the criteria outlined in the Design Challenge and Criteria for Judging and must include (but are not limited to) the following required drawings. All drawings should be presented at a scale appropriate to the design solution and include a graphic scale and north arrow.
• SITE PLAN showing the surrounding buildings, topography, and circulation patterns
• DETAILED RENDERINGS of the building, clearly showing the timber structural system.
• FLOOR PLANS
• VERTICAL SECTION of the whole building/site sufficient to show site context and major program elements
• LARGE SCALE DRAWING(s), either orthographic or three dimensional, illustrating the innovative use of timber and associated componentry, at 1" - 1'-0".
• 3-DIMENSIONAL REPRESENTATION(S), either in the form of an axonometric, perspective, or model photographs – one of which should illustrate the character of the project. At least one of these views must be of a significant interior space, and one view must be of the building shown within the neighborhood context.

WORKING METHOD
After an initial research period in which the studio will work collaboratively to identify large-scale timber based structural framing systems, and program and context analysis, students will have the option to work individually or in groups of two to complete the required 3-Dimensional and Drawing assignments.

CRITERIA FOR JUDGING
Criteria for the judging of submissions will include: timber/wood as the primary structural material, creative and innovative use of timber/wood in the design solution, successful response of the design to its surrounding context, and successful response to basic architectural concepts such as human activity needs, structural integrity, and coherence of architectural vocabulary.

MARCH 6, 2013 Competition Registration Deadline
MAY 22, 2013 Submission Deadline
JULY 2013 Winners Announced

Further Details: http://www.acsa-arch.org/programs-events/competitions/2012-13-timber-competition