



ARCH 2430

BUILDING TECHNOLOGY IV

December 2014

**SK 4**, façade details

**Location:** various.

**Media:**

Pencil (2B or similar) or pen on 11"x17" paper, with your title block

**Assessment:**

Sketches will be evaluated according to sketch rubric posted on the classes Openlab web site.  
<http://openlab.citytech.cuny.edu/bt32014s/files/2011/06/Rubric.jpg>

**Project description and requirements:**

Each individual student (this is not team assignment) has two options to complete this assignment; complete a 1) site sketch, or develop an 2) analytical sketch. Please indicate which sketch type you are completing to finish the assignment.

**1) site sketch**

Each individual student will go into the neighborhood and sketch a façade detail that uses a system similar to the one selected for your project (excluding curtain wall). The detail should be of structure that uses a ~~curtain~~ wall assembly. Look for the buildings under construction as sketching opportunities. These buildings may allow you to see inside the wall assemblies. Include the address of your building subject on your drawing(s).

**2) analytical sketch**

Each individual student will go into the neighborhood [or uses a very **notable** example **historical** or architectural case study] and collect photo documentation of the building. The most building uses a cladding system similar to the one selected for your project (excluding curtain wall). Select part of the assembly to study in depth. For this part of the assembly create sketches or tracings over the existing condition. These drawings will be an "x-ray" sketch showing what you think is occurring inside the connection. Use your façade research project or additional research to assist you in sketching the interior structure of the connection under examination.

**For both options:**

Is required that a detail should be one that resembles one you are planning to use in your project. The subject matter of the detail must exclude curtainwall systems which was the subject of your previous sketch assignment. Pay particular attention to how the system connects to the rest of the building and its neighboring façade systems.

The purpose of the sketch is to examine how this assembly goes together. Use the sketch to visualize the possibilities for this cladding system. Consider doing some very detailed sketches of these conditions. Ideally, find the views where you can express how the cladding is connected to the rest of the building.

**Extra credit:**

This should only be done after the regular assignment is finished. Complete additional drawings showing the overall structure and how this detail is used throughout the overall structure. This would be a large massing sketch(s) showing where your connection detail occurs throughout the structure. Include photographs (additional photos if you're using the photographic option) that describe the connection and the overall structure.

Consider doing some very large massing sketches to give you a sense of the overall effect of your cladding system. Consider taking photographs of your example building in addition to your drawings. Examine the way the building feels as a whole and how the individual parts of the façade connect in your sketches.

**Submittals:**

All submittals need to be posted up to the GTeam site before their due date as outlined in the syllabus schedule. Use the naming conventions. Use the standard naming conventions as outlined in the syllabus.

**Rubric:**

Criteria	Novice	Developing	Competent	Proficient	Excellent
<b>Observation</b>	<b>5.00%</b>	<b>40.00%</b>	<b>80.00%</b>	<b>90.00%</b>	
<b>Weight 34.00%</b>	shows no understanding of the subject			clearly sketches the critical components of the subject	<b>100.00%</b>
<b>Choice of View</b>	<b>0.00%</b>	<b>40.00%</b>	<b>80.00%</b>	<b>90.00%</b>	
<b>Weight 33.00%</b>	-inappropriate location - wrong subject matter sketched	-shows little of the subject matter poor example		-excellent example - shows the components and component connections	<b>100.00%</b>
<b>Technique</b>	<b>10.00%</b>	<b>40.00%</b>	<b>80.00%</b>	<b>90.00%</b>	
<b>Weight 18.00%</b>	-incomplete	-poor line weight -scale inaccurate		-technically precise uses correct perspective	<b>100.00%</b>
<b>Location Title Notes</b>	<b>0.00%</b>	<b>40.00%</b>	<b>80.00%</b>	<b>90.00%</b>	
<b>Weight 15.00%</b>	no information	-incomplete		-describes location, drawing idea and titles the drawing	<b>100.00%</b>