



ARCH 2430

BUILDING TECHNOLOGY IV

February 2014

**SK 2,** Curtain wall sketch

**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 building or structure that uses a curtain wall assembly. 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 photograph a building that uses a curtain wall system. 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:**

If possible, sketch a curtain wall assembly that is adjacent to façade assembly that matches your façade research assignment. Illustrate how they connect to each other and detail there interactions.

The purpose of the sketch is to examine how this assembly goes together. Use the sketch to visualize the possibilities for this cladding system. Examine the way the building feels as a whole and how the individual parts of the façade connect in your sketches. 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.

In addition, 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.

**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.

**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.