

The Catholic University of America
School of Architecture & Planning

ARCH 402/503: Comprehensive Building Design Studio (CBDS)

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6 credits
M, W, F - 1:00pm - 6:00 pm

Comprehensive Building Design Studio (CBDS)

Exploring the Integration of Building Systems, Materials, and Construction Methods into a Cohesive Whole

ASSIGNMENT #8: Building Structure, Systems, and Envelope Animation (Skin and Bones)

ASSIGNMENT

Expand upon the building envelope by illustrating the assembly of the components for one bay in an axonometric of your wall section. Refer to the examples shown herewith.

In axonometric, each student must draw a Wall Section from foundation to roof WITH NO CUTS. Drawings should include a minimum of 10'-0" of the interior space of the building. Each student shall draw a pertinent wall section (i.e. changes in material, changes in sections, door / window openings, etc).

You may also choose to illustrate the erection of your building in a 3-D animation through a series of images of how a bay is constructed. You may refer to the example posted on the course website from the 2006 Mobius team detail animation.

Illustrate first how the structure is constructed on the site from the foundations up. Follow with 3-D diagrams of how the mechanical systems are distributed. Coordinate all systems with structural members. Then illustrate how the building envelope is attached.

DUE: Monday, April 6, DD Pin Up

AXONOMETRIC WALL SECTION



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