

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 #9: Construction Documents and Material Specifications

DESCRIPTION

The AIA defines Construction Documents as “the written and graphic documentation prepared or assembled by the architect for communicating the design and administering the project.” CD’s convey the quantity, quality and configuration of construction and establish the contractual obligations between the owner and contractor. Typically a building permit is filed in the middle of this phase in order to prepare for construction at the end of this phase. CD’s are used by contractors to prepare a bid to complete the work.

ASSIGNMENT

An abbreviated set of Construction Documents (Architectural) fully coordinated between structure and mechanical, electrical and plumbing systems is required. The team as a whole will be required to submit plans, sections, and elevations overall. The following drawing list / template is a guide. The addition of drawings are based on individual design teams proposals.

Overall dimensions and materials should be indicated on the drawings.

A-0.1	General Notes Series	A-2.0	Building Elevation Series
A-1.0	Plan Series	A-2.1	North / South Elevations
A-1.1	Site Plan	A-2.2	East / West Elevations
A-1.2	First Floor Plan	A-3.0	Building Section Series
A-1.3	Second Floor Plan	A-3.1	Building Sections
A-1.4	Roof Plan	A-3.2	Building Sections
A-1.5	Reflected Ceiling Plan	A-3.3	Building Sections

In addition, each individual team member must document the particular wall section assigned for Assignment 7 with dimensions and material specifications, on a construction document. Each 3/4” wall section must be notated and referred back to the plan and section series of drawings. In addition, each student should blow up details of the wall section at 1 1/2” = 1’-0” including where the roof, intermediate floor (like second floor), and the ground plane meets the exterior building envelope.

Again, dimensions tied back to column lines should be notated. In addition, specific material abbreviations should be outlined and then noted to the drawing.

A-5.0	Wall Section Series	A-6.0	Detail Series
A-5.1	Wall Sections	A-6.1	Details
A-5.2	Wall Sections	A-6.2	Details

DUE DUE: Monday, April 20, 90% CD Review