



**ARCH 2431 BUILDING TECH III**

**SCAVENGER HUNT ASSIGNMENT 01**

**Scavenger Hunt and Presentation**

This assignment will introduce you Building Information Modeling (BIM) and the Revit program. Working with the sample file provided your goal is to identify how the building is constructed. You will be required to create a series of new views (partial plans, sections, details and 3d isometrics) that help to explain the building. You will be required to create **three separate** studies on **three separate components** of the building, each formatted on a separate sheet or sheet(s) as needed.

**Selecting a study subject:**

Use your selection as a means to investigate the building. Ask yourself a question: for example – how is the stair constructed or how is a balcony supported? There are many more questions you can ask. Investigate these questions by creating new views and formatting these on 22" x 34" title blocks.

**Selecting views:**

To properly understand and explain a study you need to create a set of matching views at the same scale. This typically consists of coordinated plans, elevations & sections with a 3D isometric view. For these studies use either 1/2" or 3/4" scale as appropriate. From each of these first studies create additional views that study smaller components like connections and again create a set of coordinated views (plan, elevation, section, 3D isometric) at larger scales 1 1/2", 3" or 6".

**Annotation and dimensions:**

As appropriate add annotation and dimensions to better explain your studies.

**Sheet layout:**

Each study will require one or more sheets. For three separate studies this assignment's minimum requirement is three separate sheets plotted to PDF. Look to make neat but tightly organized sheets without a lot of empty white space. Remember these are to be construction document style drawings and not presentation drawings.

**Grading:**

Criteria for grading will include but will not be limited to the following:

- Completeness and deadlines – requires three assignments handed in on time
- Good selection of study subjects
- Appropriate views – well organized and at appropriate scales
- Proper view titles, annotation and Dimensions
- Level of detail – do the studies show enough information to explain construction. This requires that drawings exist at two scales (1/2" or 3/4") and then the second set of drawings at larger scales. (1 1/2", 3" or 6")
- Demonstration of the mastery of the Revit software. Good control over views, proper organization of project browser, creation and organization of sheets with title blocks, proper printing to PDF, etc.
- Oral Presentation – student ability to describe what has been drawn.

**\*\*This assignment is included in the 25% of grading listed Drawing Studies & Research Assignments in the syllabus**