

Student:



You have been working for an Interior Design/Architectural firm as an Assistant Designer for a little more than a year and have been showing great promise in moving toward being one of the firm's Associate Designers. As a reward for doing such superior work, your boss has decided to hand you an interior construction project and test your knowledge and abilities regarding construction documents.

Assignment 10 –Mechanical & Plumbing Plan

Utilize your Reflective Ceiling Plan and Floor Plan. You will identify and locate vents, registers, and mechanical and plumbing equipment. Be sure to include all the following interior/architectural elements:

Mechanical & Plumbing:

- _____/10. Formulate a basic plan structure by utilizing your floor plan and identifying Architectural Ceiling details with dashed lines.
- _____/10. Using the **Common Mechanical Symbols**, correctly note where all Registers and Air return vents are to be located with any important callout information.
- _____/10. Indicate the use and direction of all **Mechanical Venting** and **Air Supply Systems** indicating both metal and flexible tubing. Use callouts to provide any important information.
- _____/10. Using the **Common Plumbing Symbols**, correctly note all plumbing devices and indicate the location with any important callout information.
- _____/10. Indicate the use and direction of all **Plumbing Piping**. Use callouts to provide any important information.
- _____/10. Be sure to include a Legend with a basic **Mechanical** and **Plumbing Schedule**

Schedules and Legends:

- _____/5. *Be sure to insert a legend and schedule identifying products and symbols.

Drawing Sheet:

- _____/5. **Title the Drawing**, note its scale, and **indicate North Arrow**.
- _____/5. **Poche all walls touching the Ceiling**.
- _____/5. **Label all rooms** and spaces.
- _____/5. **Indicate all built-in cabinetry below** (Lines to be number 8 or 9 lightweight greyscales).
- _____/5. **Indicate all door swings** (Lines to be number 8 or 9 lightweight greyscales).
- _____/5. **Make sure to note any ceiling changes**. Utilize a dashed line and call out ceiling change.
- _____/5. **Make sure to note any major component that touches the Ceiling** (such as built-in features like Fireplaces and built-in cabinetry that go to Ceiling).
- Please inform the Instructor of any unique feature you are unsure of, and a determination will be made to identify it appropriately.

Title Block shall be completed as follows:

- _____/5 Sheet Number
- _____/5 Date
- _____/5 Project Title
- _____/5 Drawing Type (i.e., Power & Signal Plan)
- _____/5 Scale information (i.e. 1/4" = 1'-0")
- _____/5 Date of Completion (will be noted once the final set comes due)
- _____/5 Initials of the person who is completing the project. (i.e., your initials)
- _____/5 Initials of the person checking the drawings for any mistakes (i.e., Instructors name)
- _____/5 **Company Names** and contact information.
- _____/5 **Company Logo** and contact information of your firm creating these sets of drawings.