

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 09 –Power & Signal Plan

Utilize your Reflective Ceiling Plan, be sure to include all the following interior/architectural elements:

Power & Signal Elements:

- _____/5. Using the **Common Light Symbols**, correctly note where all luminaries (Ceiling or wall-mounted lights) are to be located. Exclude free-standing fixtures like Touchier and desktop lamps connecting to an outlet.
- _____/5. Note all Switches with the **Standard Switching Symbols**.
- Not all **Common Electrical Symbols** are appropriate to your design.
 - _____/5. Power Receptacles
 - _____/5. Large Appliances and Electrical Devices that require 220V require a dedicated circuit.
 - _____/5. Communication Data Outlets.
 - _____/5. Fire Alarm Devices.
 - _____/5. Any other Electrical Device specific to your design (i.e., a specific type of motion detector for turning on and off lights that may not be listed).
 - _____/5. Show all Switching Conduits. (Note: If you are using 3-way switches or more advanced Lighting techniques, you should think about how people move through space... traveling back and forth to switch the light on and off can become cumbersome and disrupt the comfort and experience of space).

Schedules and Legends:

- _____/5. *Be sure to include an electrical schedule and legend.
- _____/5. Ensure you review the schedule and make the appropriate updates to reflect your project.

- _____/5. Be sure to use the standardized symbols that have been provided for you. If it is necessary to add symbols noted on the schedule, maintain a sense of consistency with all other 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). If any cabinetry touches, the ceiling line type will remain as all other Power/Signal and Reflective Ceiling lines.
- Please inform the Instructor of any unique feature you are unsure of, and a determination will be made to identify it appropriately.
- _____/10. Make sure that you appropriately wire lighting to switches.

Title Block shall be completed as follows:

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