

Student Name :

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Project 1: Build a LightBox

Objective: This assignment aims to help develop an awareness of the issues relating to the design and use of natural lighting by identifying the advantages of daylighting sources. The objective would be to introduce the metrics of natural lighting by constructing a model of an interior space utilizing a natural light source.

Instructions: You must research, design, and build a natural lightbox.

1. Students choose any two rooms from their residential project to construct a lightbox.
2. Students are to explore natural lighting through the creative application of windows and skylights.
3. All interior furnishing and design elements must be constructed by you and resemble what the space looks like in real life.
4. The walls should be made of an impenetrable light material (Foam Core), and the edges must be sealed... No light seepage. Best to use some black masking tape for the edges.
5. One wall must remain solid with a 2" x 2" square opening located 5' AFF without furniture impeding the line of sight.
6. 1/4" = 1'- 0" scale.

Time will be allotted during class; however, students are expected to work on their projects and do homework assignments outside of class. Your proposed LightBox is subject to instructor approval. The design must be your original development

Materials: You may use any combination of materials that you choose. However, it must follow the design concept presented in your previous residential class.

Deliverables include the following:

1. ____/15 pts. Design Development Sketches
2. ____/15 pts. Process Work Documentation
3. ____/15 pts. (3) Photos (Morning, Mid-day, Evening)
4. ____/40 pts. A Fully Constructed LightBox.
5. ____/15 pts. A Final Presentation

Total ____/100