Assignment 1.2

**--You cannot waste any materials. Anything you cut out must be used elsewhere.**

**Focus on a single plane – the long wall with dimensions of 20”0″ long x 9′-5″ high.**

**Work to scale at 1/2″ = 1′-0″**

**--Build a slotted base to scale that is meant to hold two walls parallel to each other at 8’, 12’, 14’ and 16’. It must be built so the walls can be removed and exchanged and that two parallel walls can be studied at different distances from each other. All models must be kept and documented photographically.**

Assignment 2.1

**--Select one of your models to begin to investigate both materials and ergonomics. Research and identify materials options – the client has asked you to provide three options. Produce a 11 x 17 materials board. Focus on interior materials first and then exterior materials. You may need more than one 11 x 17 board to complete the study. Be thorough – remember the goal is to show the client options so you can get feedback to continue the project.**

**--Produce a second 11 x 17 board that studies the ergonomics of your design. Produce plan and sectional ergonomic studies at the same scale as your models.. Remember that your family members are of different ages and sizes.**

**--What is the lighting, artificial or natural?**

**--What is the durability & resiliency of your material choices?**

**--Are your choices sustainable?**

**--How will you integrate mechanical, electrical and plumbing systems?**

**--To complete the assignment you need to provide a thorough report – give the reasoning that led to your choices. What are the advantages/disadvantages of the options?**

Assignment 2.2

**--Select two other distinct options and develop these as well in the same level of detail. If you care not satisfied with your base designs go back 1 step and work on developing a good base study first before you complete the materials research. It will help if you consider what type of space you are creating and your three studies should be different space types (kitchen, sleeping, working, etc.)**

**--Illustrate each of these models by building a 3D model in the cad program of your choice. Add additional details as necessary to clarify your intent. Present these images as another 11 x 17 board.**

**--The same considerations of the first study are also required.**

**--Presentation will include:**

**3 – Study models**

**3 – 11 x 17 materials boards**

**3 – 11 x 17 rendered images**