

Mountlake Terrace High School

Drafting Technology

Unit 21:

Title: Architecture - Design & Working Drawings

Unit Objectives:

The student will be able to:

1. Design a small building and create a floor plan drawing using current standards.
2. Create Front and Rear Elevation drawings.
3. Create both side elevation drawings.
4. Create a perspective drawing of the building.

Textbook: *Architectural Drawing & Light Construction* (2nd. Ed.) by Muller

Chapter 10: Working Drawings of Small Homes

Reading Assignment: pp. 243-268: Study every picture and read each caption. Additionally read any sections necessary for clarification of any concept not fully understood through the pictures.

You are to choose either:

a 4' by 6' play house for a 42" tall child

OR

a 6' by 8' yard storage building

You are to create the following drawings of your design:

Plate 1:

Floor Plan Drawing: refer to p. 247 --> fig. 10-4: Floor Plan and details for an example of things to include in your drawing.

Plate 2:

Front & Rear Elevation Drawings: refer to p. 248 --> fig. 10-5: Elevations and wall sections for an example of things to include in your drawing.

Plate 3:

Both Side Elevation Drawings: refer to p. 249 --> fig. 10-6: Elevations and typical wall sections for an example of things to include in your drawing.

Plate 4:

A 2 point Perspective Presentation Drawing: refer to Chapter 12: (p. 326) Perspective Drawing for how to do a 2 point perspective and to p. 348: fig. 13-4 for an example of rendering your perspective.