

Socool Cottage Project

After completing this project, the Architecture student will be able to understand and CAD draft the following.

1. Understand Layers and where and when each one is used.
2. Know how to draw elements in CAD at the correct dimensions and use proper geometric construction.
3. Know basic wall thickness.
4. Understand basic floor plan sizes such as door sizes, counter sizes- kitchen and bath, minimum hall size, closet dimensions, kitchen cabinet sizes, kitchen work triangle, egress requirements.
5. Understand how to draw a basic schematic floor plan and then know how to add the following to a drawing:
 1. Room Labels
 2. Door and Window Tags
 3. Dimensions/ Section Lines
 4. Notes
 5. Title and Scale
 6. Wall Hatch
6. Understand different foundations types and know how to draw a basic foundation plan that coordinates with the floor plan and then be able to add the following to the drawing:
 1. Foundation notes
 2. Dimensions/ Section Lines
 3. Notes
 4. Title and scale
 5. Wall Hatch
7. Understand how to draw an elevation to correct dimensions and heights that coordinate with the floor plan and then be able to add the following to the drawing:
 1. Notes/ Roof slopes
 2. Hatch
 3. Dimensions
 4. Titles
8. Understand how to draw a roof plan and do roof venting calculations.
9. Understand what a building section is and how to draw one that coordinates to the floor plan then being able to add the following to the drawing:
 1. Dimensions/ Section Lines
 2. Notes
 3. Title and scale
 4. Hatch
10. Know how to set up all sheets at the correct scale into paper space, fill out a title block and plot.