Name_____

Electrical Plan Assessment

Standard: **AC-ADDII-3 Demonstrate and describe the preparation of electrical plans.**

3.1 Interpret and explain basic codes and symbols related to electrical plans, including: single-pole switches, three-way switches. duplex receptacle outlets, recessed and fluorescent lights, weatherproof switches and outlets, lighting distribution panels, service panels, and junction boxes.

3.2 Prepare an electrical plan.

3.3 Demonstrate using Computer-Aided Design (CAD) software related to preparing electrical plans.

Directions: Using the Electrical rules/requirement along with your Electrical symbols and notes, begin creating your electrical plan. Be sure to review the Electrical checklist (handout).

Inserting Components: You will need to "Load Family" and Insert "Components" (outlets, switches, etc.). All light fixtures will be inserted on the "Ceiling Plan"

Requirements:

1. You must turn in one (1) 11x17 drawings
    - First Floor Electrical Plan

Note: Include a legend.

2. You must create a sheet with completed Title block.

On your sheet, we will call this project number 1. The owner is 6th Wheel Construction, Inc., and the project is Timbering Cove. The sheet numbers E101. I am your checker (Ms. Holley).

You may use your notes, and even ask for help from classmates or the internet.

Use the above instructions as well as your self-check rubric to guide your work.

Name_____

RUBRIC

Element	Points Possible	Points Awarded
Suitable number and location of all outlets (GFCI outlets placed properly)	10	
Suitable location of switches and proper switch selection	10	
Suitable location of lighting and proper wiring diagrams	10	
Fans in all bathrooms with own switch	10	
Outdoor Lighting	5	
Doorbell	5	
Outdoor Outlet	5	
Smoke Detector	5	
Thermostat	5	
Phone Receptacles	5	
Legend	10	
Sheet labeled correctly	10	
Submitted as a pdf into Google Classroom	10	
	TOTAL	