

Tool Proficiency Project: *Table Saw and Panel Saw*

Instructions for Lab Assistant:

Before You Begin This Proficiency Assessment:

- Watch the training videos for the equipment upon which you will be demonstrating your proficiency
 - [Table Saw: https://www.youtube.com/watch?v=Lxi8EWBwCOU](https://www.youtube.com/watch?v=Lxi8EWBwCOU)
 - Panel Saw: https://youtu.be/_0knxzBFe5E
- Read and understand all safety instructions associated with the equipment

Supplies Required:

| <i>Quantity</i> | <i>Item Description</i> |
|-----------------|---|
| 1 | <i>Table Saw</i> |
| 1 | <i>Panel Saw</i> |
| 1 | <i>4x8 sheet of ¼" plywood</i> |
| 1 | <i>~1'x2' piece of ½" plywood or similar</i> |
| 1 | <i>Tape Measure</i> |
| 1 | <i>Square</i> |
| 1 | <i>Pencil</i> |

Proficiencies to Demonstrate:

Proper utilization of all personal protective equipment

Panel Saw:

- Setup for crosscut
- Measure to account for blade thickness
- Appropriate hand placement while cutting
- Waiting to retract saw until the blade has stopped

Table Saw:

- Setting blade height
- Setting blade angle
- Proper use of pusher block
- Proper use of crosscut sled
- Determine if material to be cut is conductive
- Hand placement while cutting
- Position to stand while cutting

YOUR TASKS

- Cut a 10" x 20" rectangle from ½" plywood
- Cut the ¼" Plywood sheet to size for use in the Boss laser cutter (crosscut into equal thirds, within ¼")