ENT4410 -Technical Direction
Allison Ramnarine
Spring 2021 Portfolio

Joinery

The joinery project consisted of creating one large wooden frame and one small one, all angles connected by different joinery other than a butt joint. The larger framer had two half-laps, one biscuit joint and one mortise & tenon joint. The small frame used all half-lap joints. I took the draft and wrote down a cut list. Then I ripped one 1x3 down to the width I required with the table saw; I did this for both pieces. I cut the larger frame down 2" and the smaller one to 1 1/2". I measured the length that I wanted and used a miter saw. I also angled the blade to a 45-degree angle and cut the corners of the biscuit joint. I went to the modified radial arm saw to cut the half flaps. Before doing so I marked how low I wanted my piece to be shredded, and that would help me determine how to adjust the height of the blade. I then created my mortise and tenon joint; I marked the cut I needed to make for the tenon and used a bandsaw to make that cut. I used a drill press to make the mortise. On my first attempt, I made the mortise too small, but the was quickly fixed by passing my piece back under the drill press. I used a plate joiner to cut out slots for the biscuit on the angled piece of the frame. At this point, I have all my sections together and I have to assemble all my parts together, I do that by gluing everything together. This project expanded my knowledge of different tools in the show as well as how to create different joints. In the case of explaining the various joints that are stronger than a butt joint then I can say I have an understanding of how to address the assignment. In the case of working in a scene shop and having to create a seamless appearing joint, I now know my oppositions.