Wooden Model-T Kit Car

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Flat Pattern

40 interlocking pieces
3D CAD Model
For most of the pieces it was important to cut internal features before the exterior and tabs were cut. This keeps the pieces from sagging or bending while being cut.

I also needed to adjust the lead in markers so that the lead ins would not cut into parts I was needing.

This shows a correct path around one of the wheels. Notice how the red dashed line (cutline) is outside of the purple line making the outer rim of the wheel and inside of the lines making the internal features.
Timeline

- Order Wooden Model -- (March 7)
- Complete 3D Models -- (March 23)
- Transfer Models into -- (March 25)
- Acquire Material Stock -- (March 28)
- Cut Flat Pattern on Water Jet -- (March 30)
- Assembly -- (April 10)
- Finishing and Submission -- (May 2nd)
The Cut

Luckily I had another door from the first cut to replace the one that is missing in this picture. My nesting was too close in a few areas.
I decided to superglue and then polish the model instead of painting it. Painting before assembly would have ruined the tolerances for mating pieces and painting after assembly would have been difficult due to the inaccessible internal features in the cabin.
Finished Product