

Individual Visions for MSD II Gate Review (End of MSD)

Engineer: Cody Armes

What I completed for Team P18416 during Phase IV

1. I completed the test pouring and did the final pour using ready mix in the pink CNC foam
2. I was able to get the vacuum forming material donated to us by Faro at no cost.
3. Completed the vacuum formed molds.
4. Altered the vacuum former to accommodate the larger concrete forms.
5. Vacuum formed all of the concrete cast to create our master molds.
6. Poured into the final molds to produce an Arborloo using our selected mix.
7. Got a complete prototype to display at Imagine RIT and use for testing.

What do I plan on doing to ensure that Team P18416 has a successful Gate review?

1. I plan to complete the concrete testing in the initial green mold to have results for the best way to pour our final molds.
 - a. Currently tried pouring without a coating but it did not work out so now I am going to try coating the test mold with packaging tape and pour again.
2. I plan to pick up our final vacuum forming materials that were donated by Faro Industries.
3. I plan to pour concrete cast parts into our final molds for them to be vacuum formed.
 - a. We are either going to pour here at RIT using ready mix concrete.
 - b. Or we have the ability to do a mass pour at Manitou Concrete that will be donated by John Topping.
4. I plan to do the vacuum forming over our casted concrete parts from the final molds.
5. I plan to test our vacuum form molds with our specified mix.
6. I plan to complete the testing results from our final Arborloo.

Engineer: Tim Williams

What I completed for Team P18416 during Phase IV

1. Edge.
2. Completed the Industrial Engineering documents dealing with time, cost, and space.
3. Assisted the team with vacuum forming and pouring.
4. Prepared the poster and worked on the technical paper.

What do I plan on doing to ensure that Team P18416 has a successful Gate review?

1. Try to finalize as many test plans as possible.
2. Finish up any left over documentation.

3. Clean up the MSD booth.
4. Work on Edge.

Engineer: Sam Dickenson

What I completed for Team P18416 during Phase IV

1. Helped pour the mold negatives
2. Helped remove molds
3. Helped vacuum form over the molds
4. Mixed and poured final mix for imagine
5. Made rough draft of tech paper

What do I plan on doing to ensure that Team P18416 has a successful Gate review?

1. Help with documentation
2. Help clean up

Engineer: Ryan Waters

What I completed during Phase IV:

1. Machined all master molds.
2. Pour concrete positives into master molds.
3. Vacuum formed plastic molds at Construct.
4. Poured Arborloo prototype in plastic molds.
5. Fixed Edge documentation.

What do I plan on doing to ensure that Team P18416 has a successful Gate review?

1. Finalize any remaining documentation
2. Finalize remaining test plans