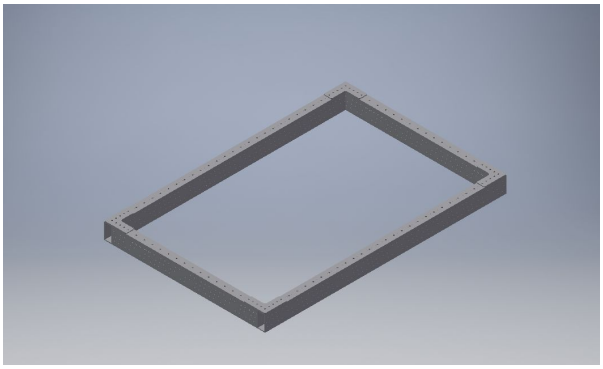
CAD Engineering Notebook

Picture	Explanation
	January 6-7th Opening weekend! Little CADing done, instead bars placed for a generic bar placed without consideration of any point sources.

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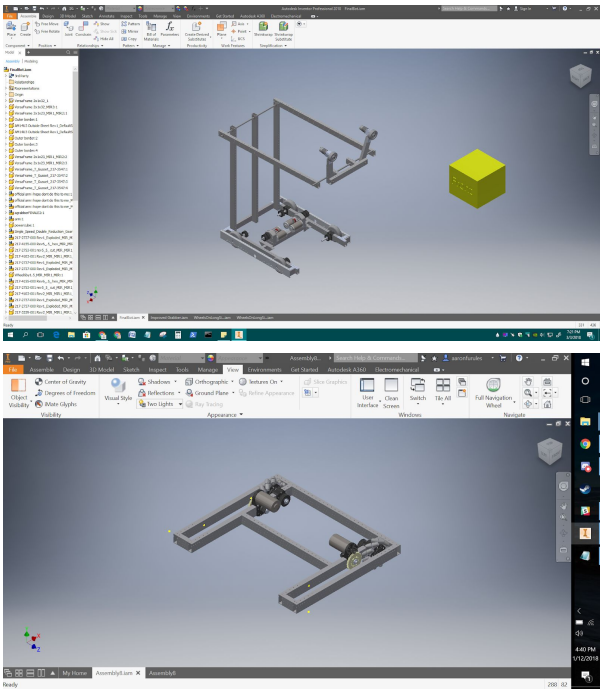
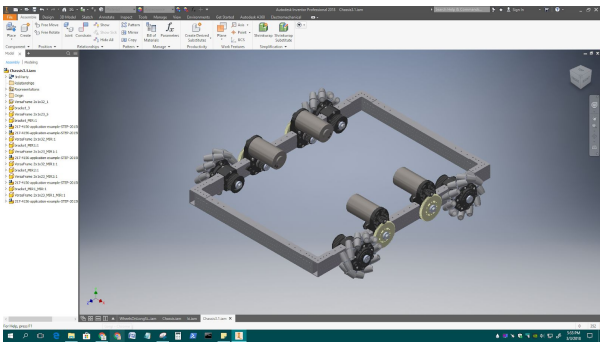
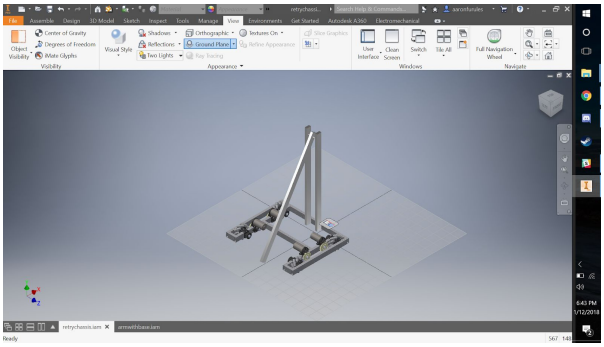
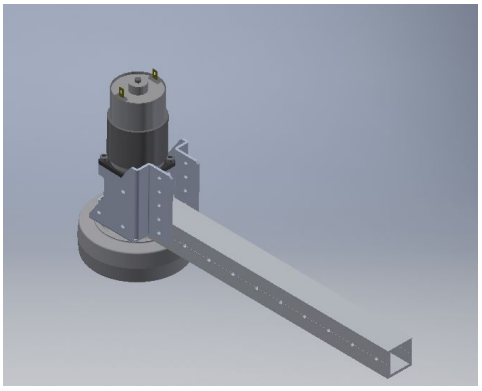
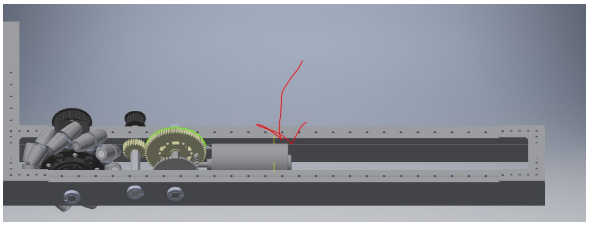
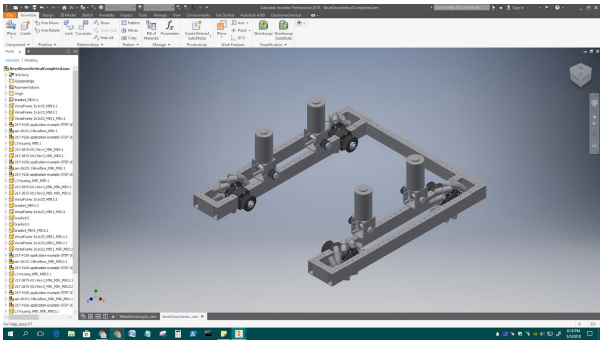
	January 12-14th Drivetrain chassis main prototype finished, originally decided to go with a mecanum 4 wheel drive though it was mainly a placeholder. There were also other ideas for different types of chassis as well. Also idea for parallel bars to create an arm for grabbing cubes begun, wheel intake system with direct motors prototype finished. Consideration on saving space with better motor placement had, idea on having 2 motors for drive, unique motor placement, or even bevel gears. Made many models to accommodate build's requests during this time frame.

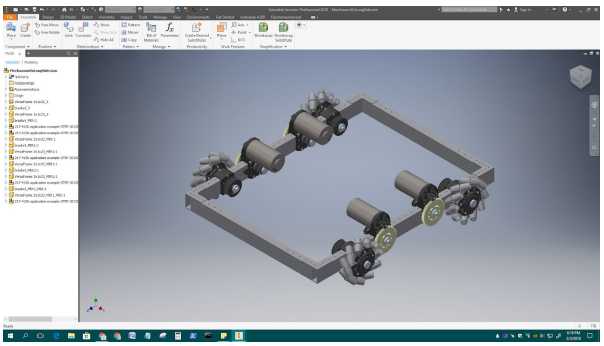
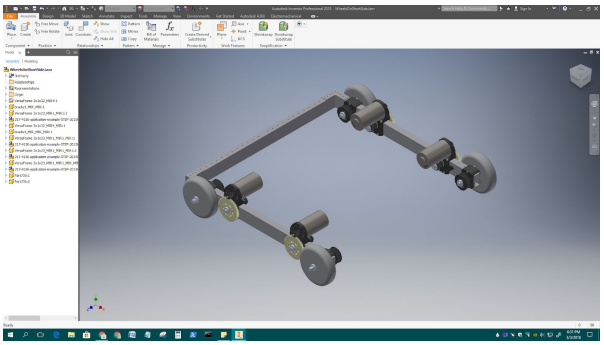
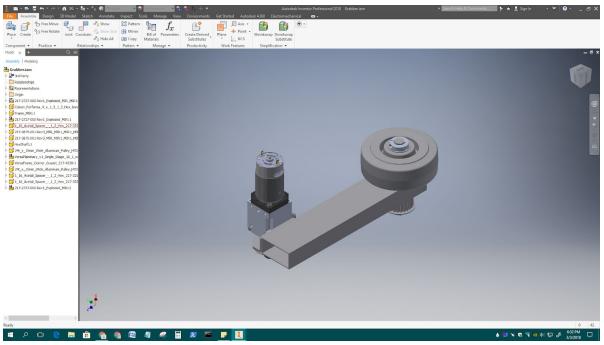










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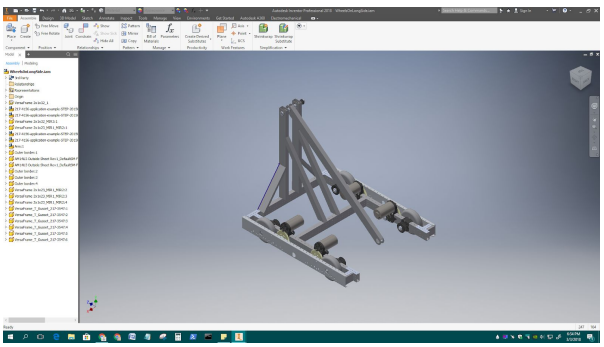
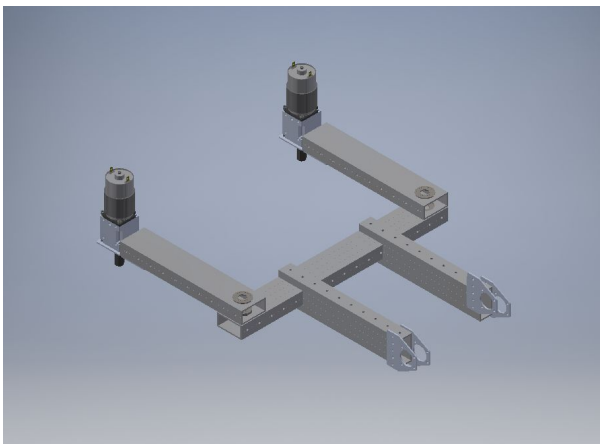
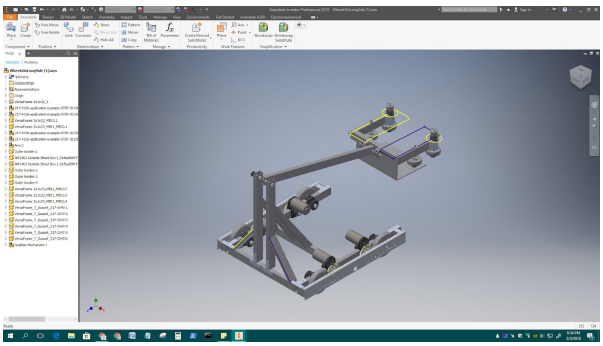
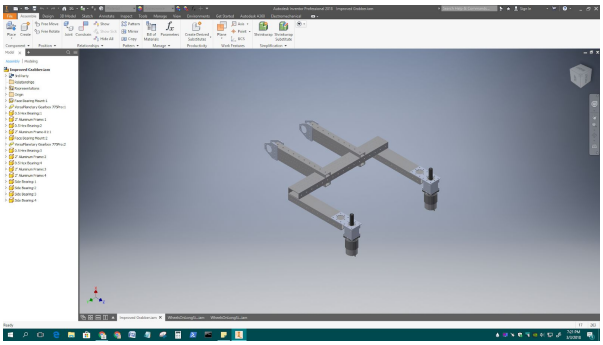
	January 18-21th Arm design and chassis essentially finalized, though drivetrain still initially unsure. Grabber prototyping essentially finished. Arm design still basic and prototype, needs refinement later, but at this point build team can take off and begin construction of first robot with assistance of CAD, stability improvements and structural placements still taking place.

  	Grabber constantly changing. Unfinalized, but CAD model stable enough for build.

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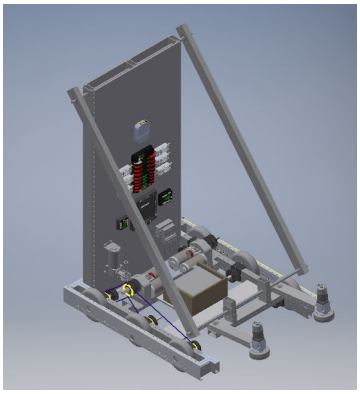	January 26th-28th Middle bar attached to CAD as stability was revealed to be at risk with previous design. Drivetrain motor placements finished with pulley system, CAD model essentially finished, any extra changes from here on out are made for structural integrity rather than functioning purposes. CAD team now build team.