



Facility Design Tool Kit



Welcome to PPG's Facility Design Tool Kit

Whether your plans are to expand, renovate or build a new lean facility, this simple tool will bring scale to your projects and help you get closer to construction. Assembled in the following pages are most everything you will need to layout a collision center. This is an “old school” approach where “cut and paste” are used in a literal meaning. Have fun with it, its only paper.

Below are some guidelines to assist you in your project.

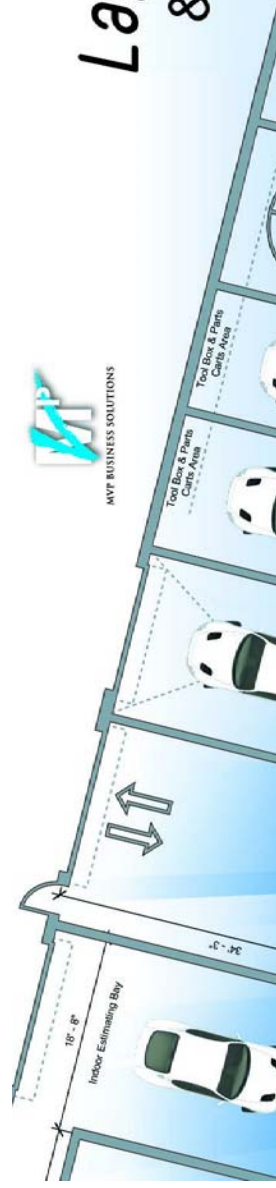
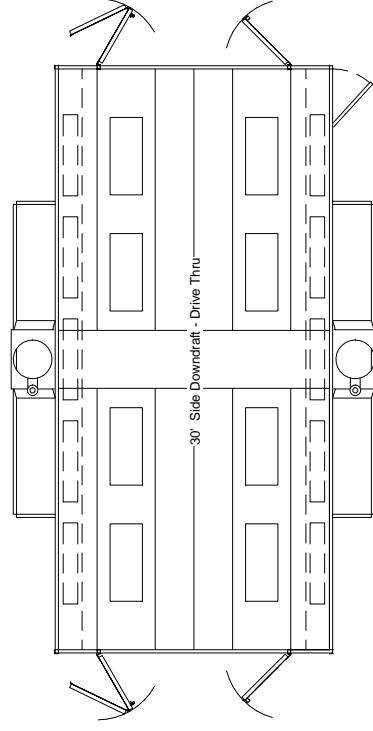
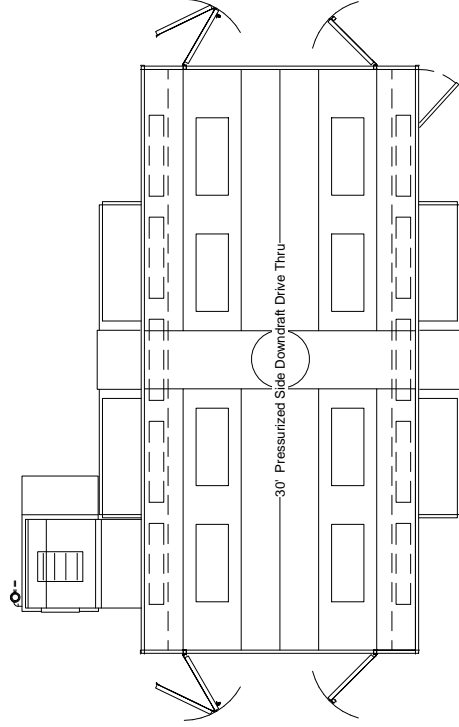
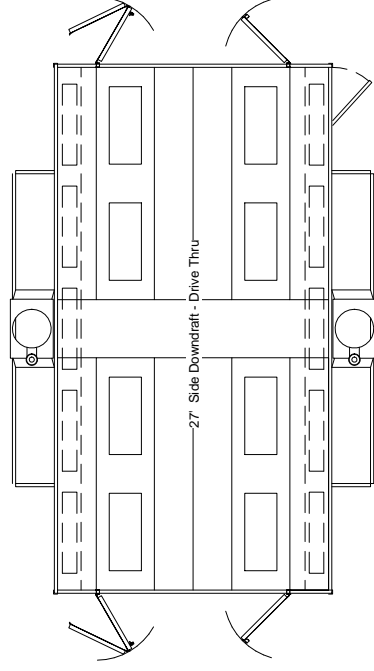
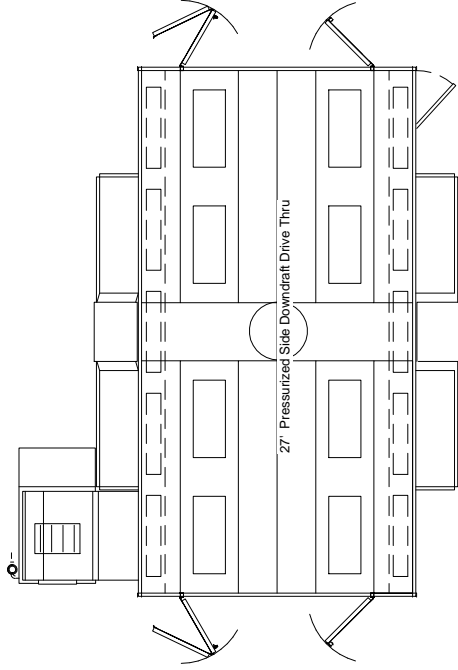
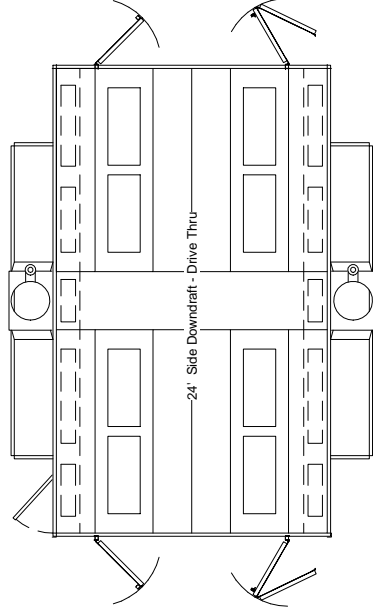
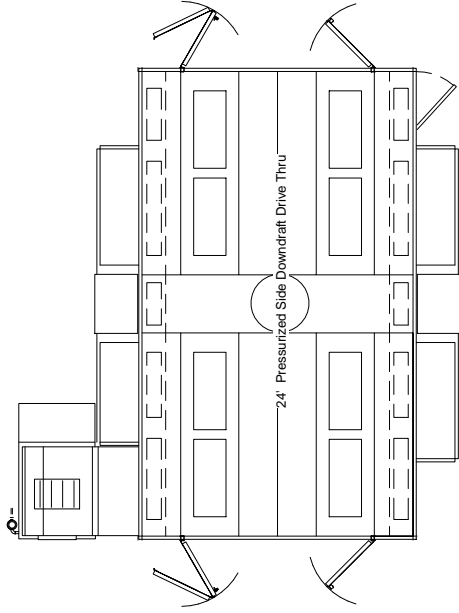
- Start by completing the design questionnaire which is available on www.PPGMVP.com under the tools and services tab, Layout and Design.
 - This will allow you to collect your thoughts and guide you thru your project.
- Print out the entire tool kit.
 - *It is important to note, prior to printing, make sure any reference in the print dialog box to “fitting to page” is **not selected**.*
 - *This will keep the scale to 1” = 10’.*
- Use the graph pages and a pencil to layout your building footprint.
 - At a minimum, include:
 - Walls, Doors, Columns, and any fixed shop equipment that may already exist. (A complete list is located on the design questionnaire for reference).
- Select the equipment, vehicles and work stall sizing you would like to include in the design
 - Cut out to use as an “overlay” on the graph paper.
 - Try many different options to arrive at a workable design

Design tips to guide you thru this exercise.

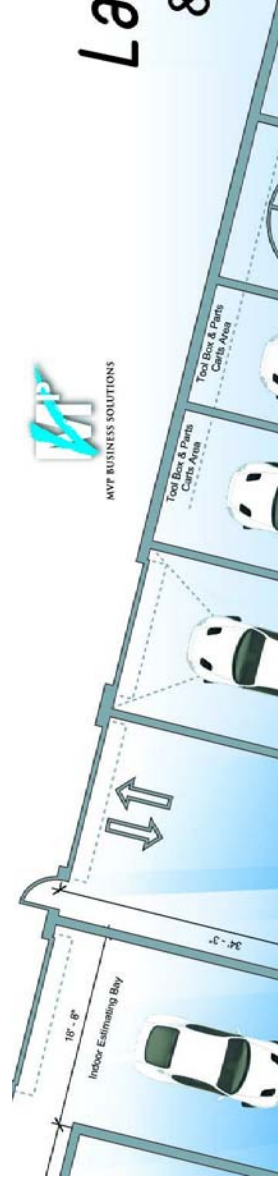
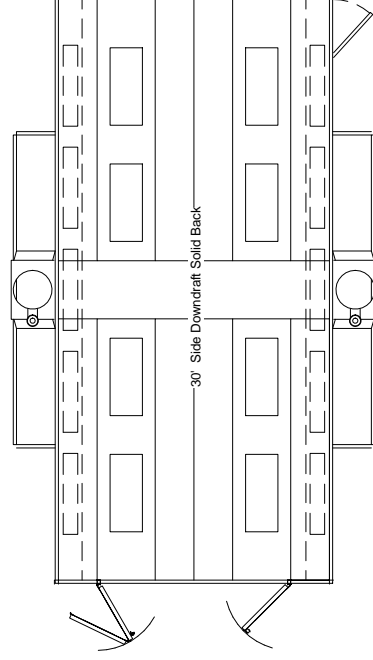
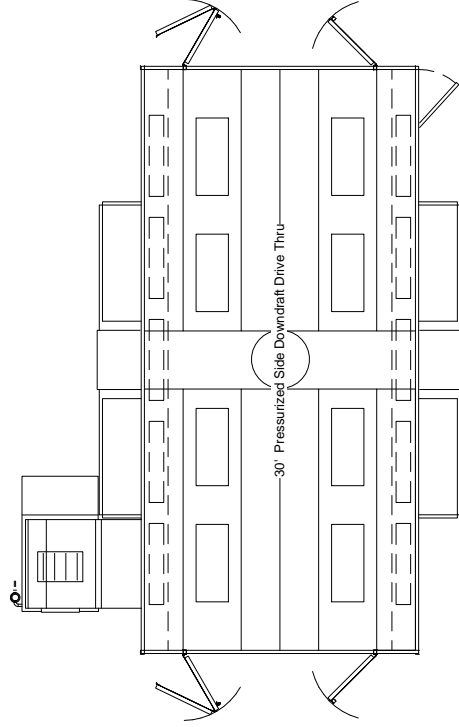
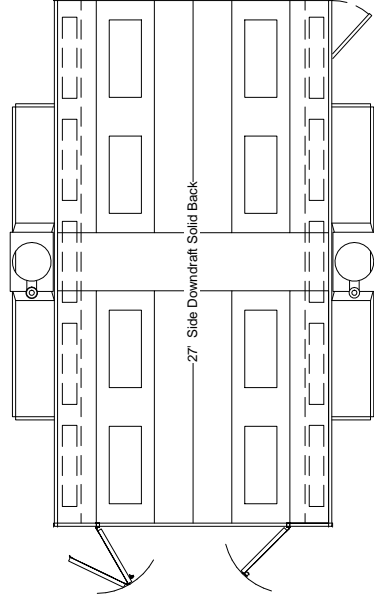
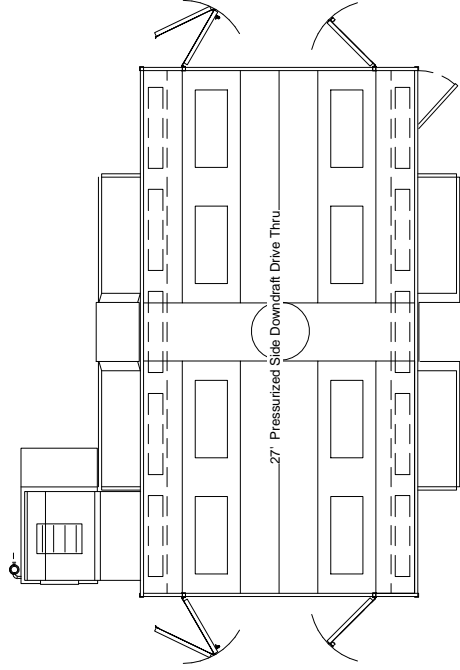
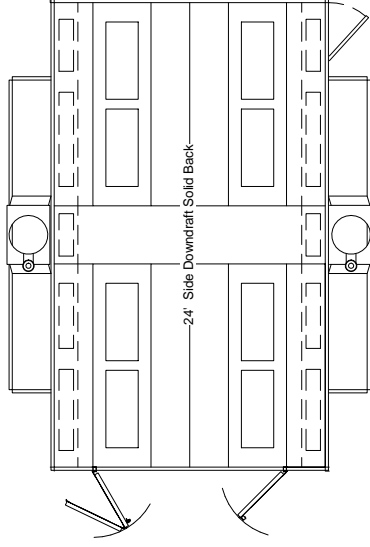
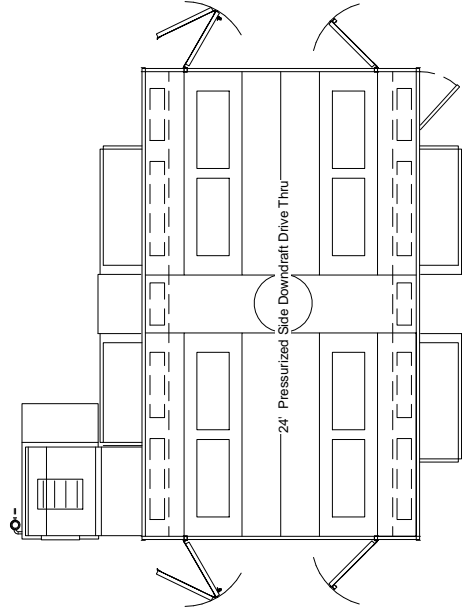
- Good design starts from the site plan.
 - Think thru the flow that occurs on your site
 - # Curb cuts, Deliveries, Waste collection, Customer access, Parking, WIP, Snow removal, etc.
- Think thru the paths that occur within your building
 - Customer, Technician, Parts
 - Think of the overlap between these paths.
 - Administrative
 - Parts
 - Production
- Take a walk thru your existing facility and take note of the equipment that would be utilized per department.
 - What’s coming over to the new facility and where is it to be stored. Think of 5 S when doing this exercise.
- Don’t forget to calculate your capacity and see if it meets your goals
 - An easy calculation would be to take your monthly sales and divide it by the # of productive work stalls you have for a sales per stall #.
 - Look at your future design and apply this # to your stall count for a rough capacity utilizing your current processes.
- Last but not least
 - Encourage your staff to participate in this exercise by department.
 - The goal is to continually refine the design by finding weaknesses in the processes or design
 - Continue until you have met all your goals and no weaknesses are left.
 - Have fun with it. It’s only paper and a lot easier to move now.

If you need assistance, get with your PPG Territory Manager, they will be glad to assist. They can schedule a design review with one of our facility designers or even schedule a designer to come on site and complete the design.

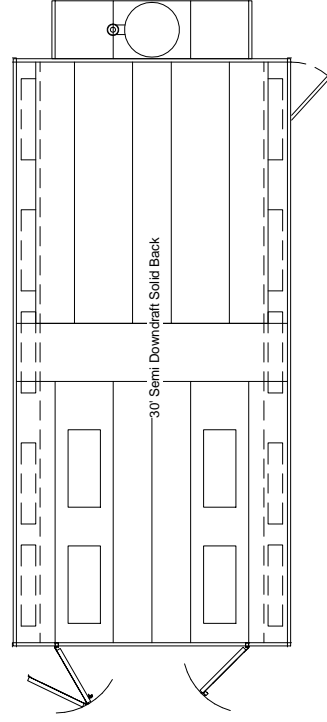
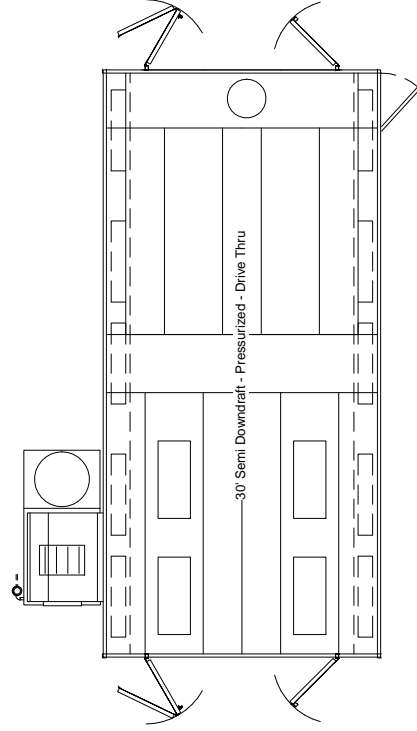
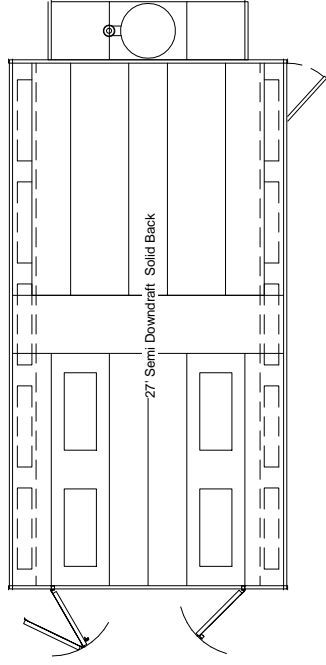
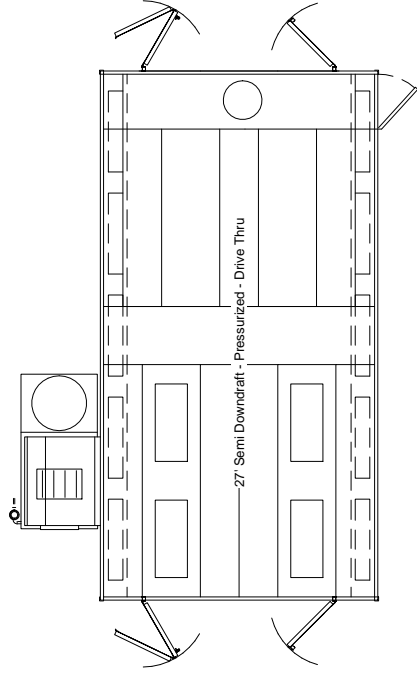
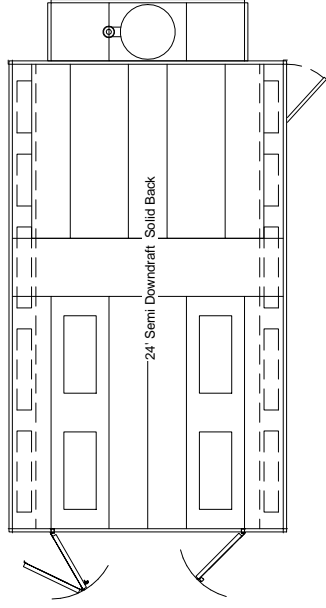
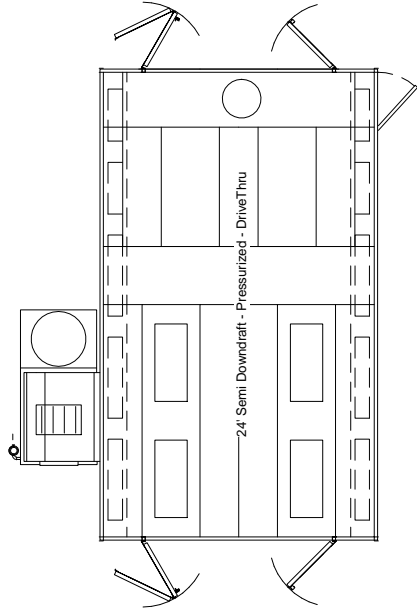




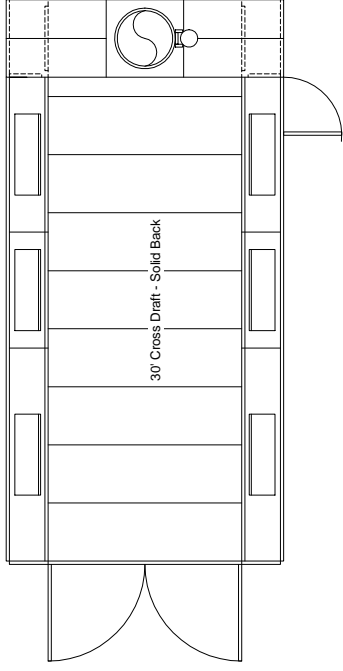
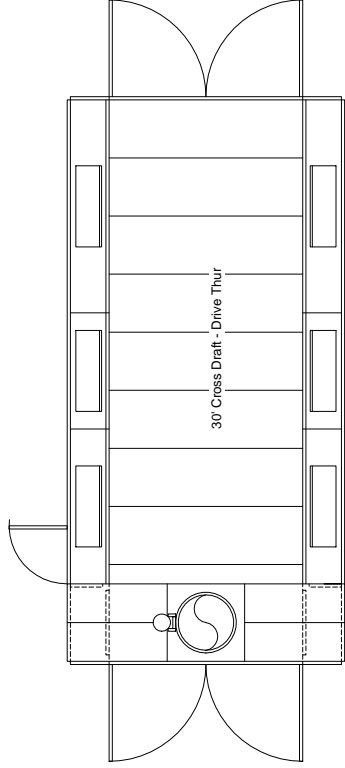
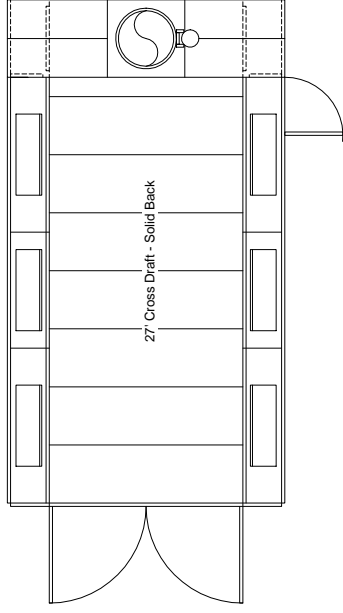
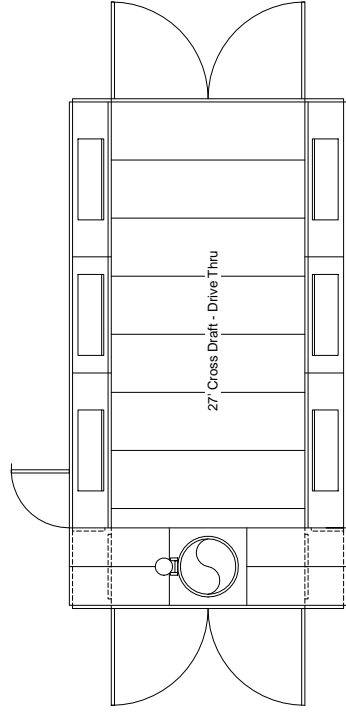
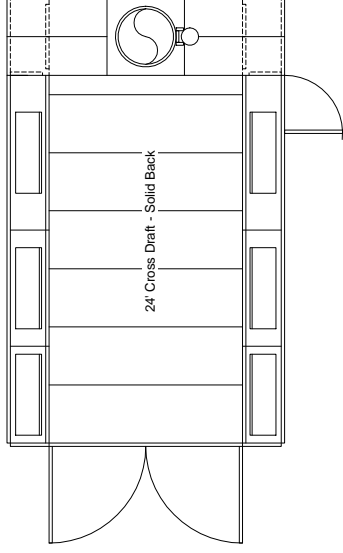
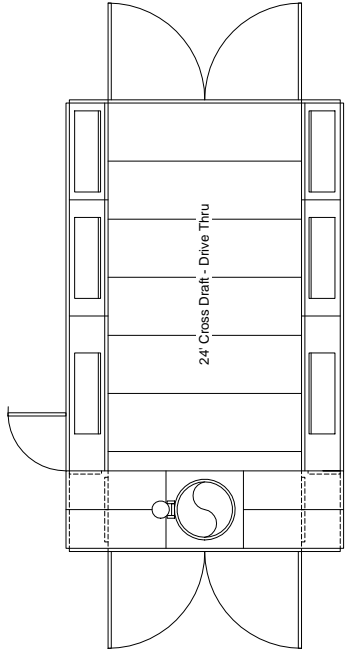
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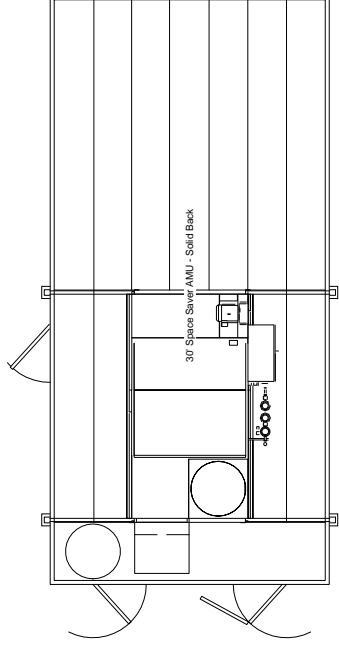
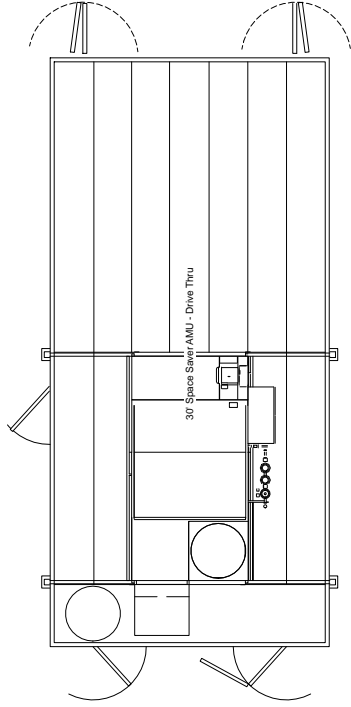
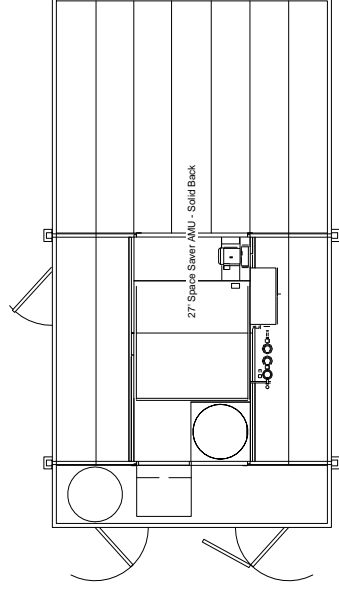
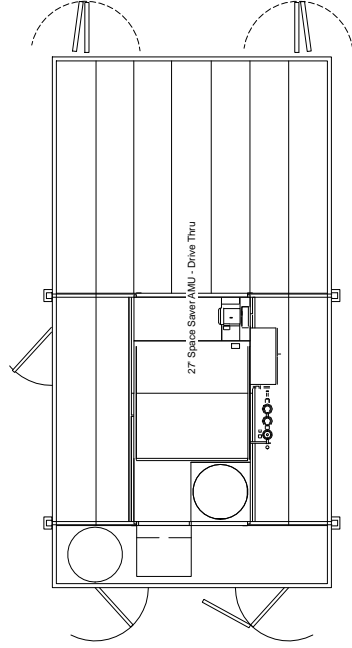
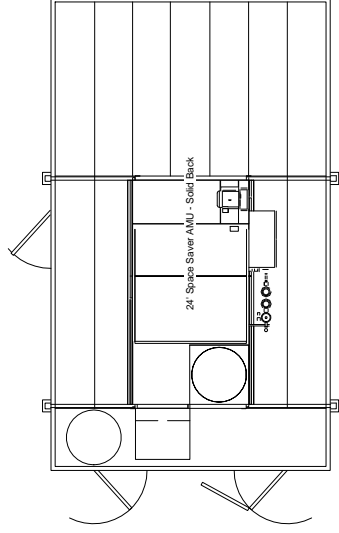
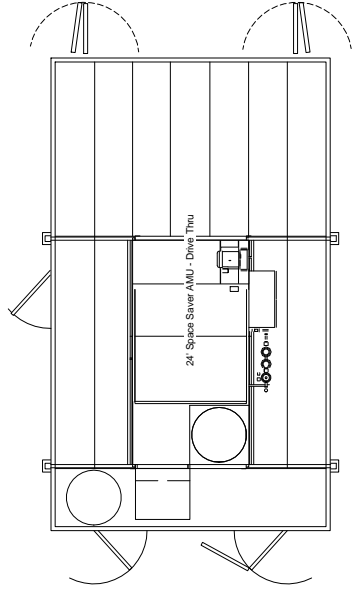
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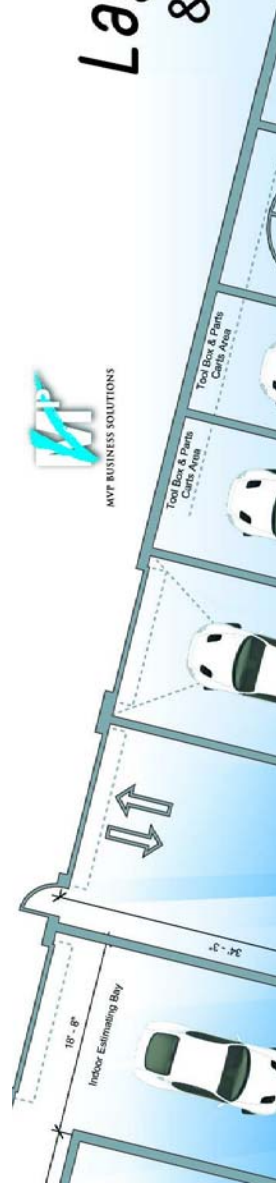
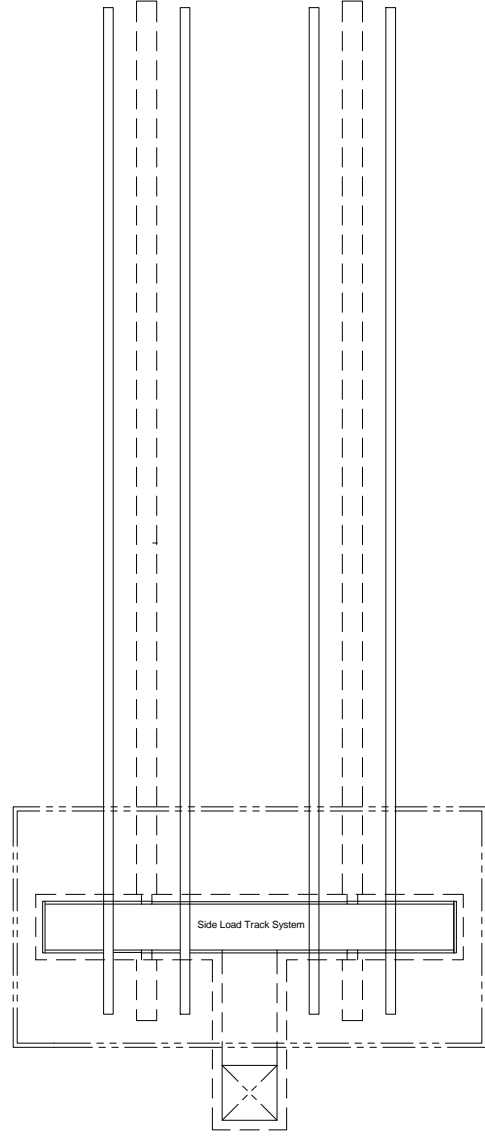
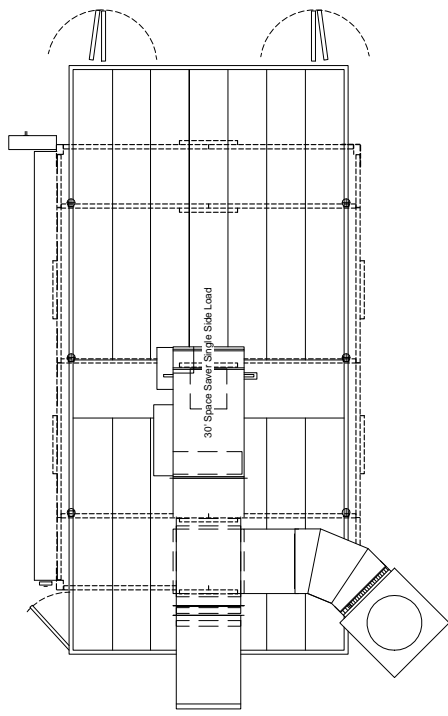
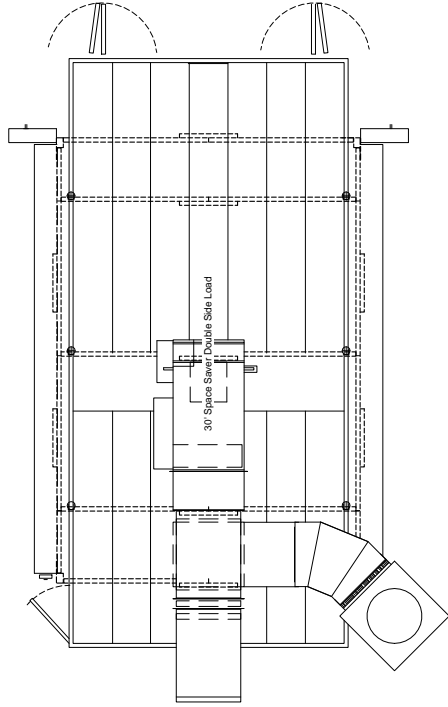
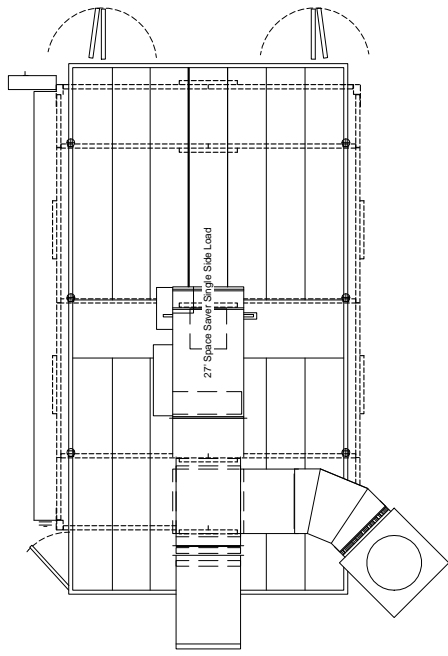
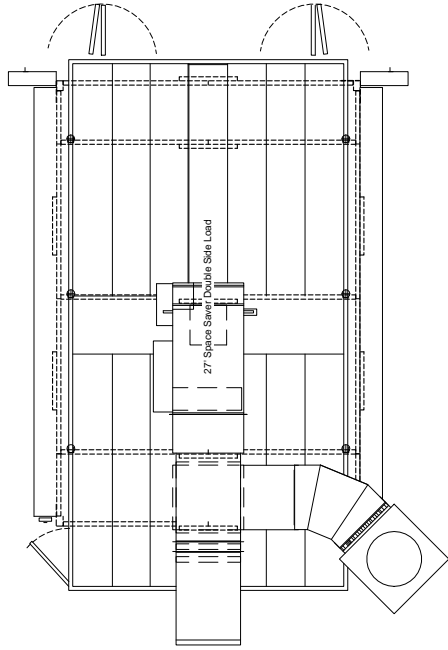
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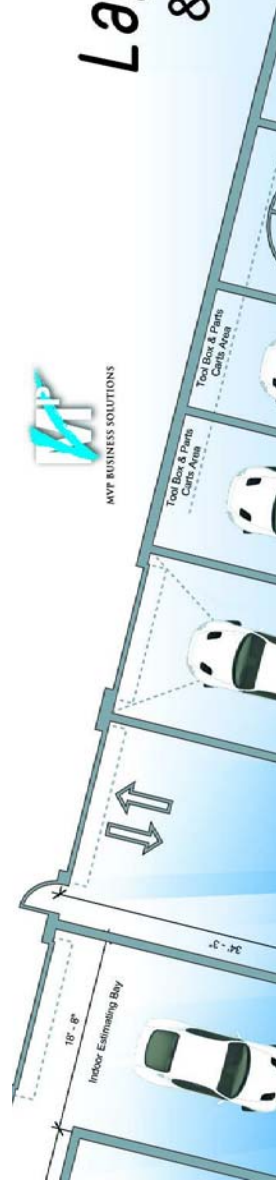
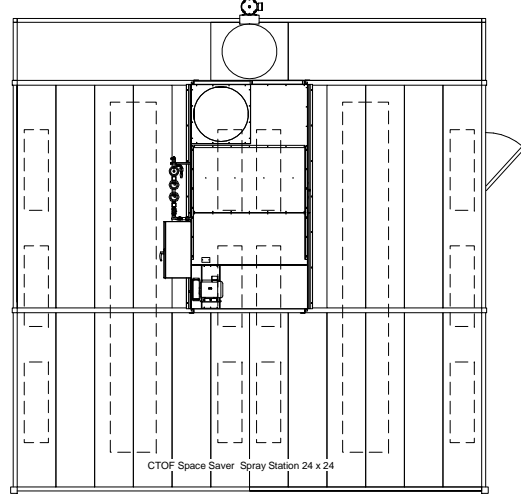
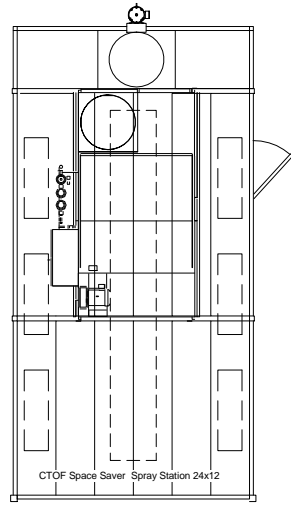
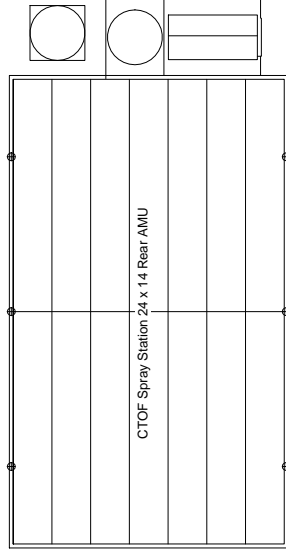
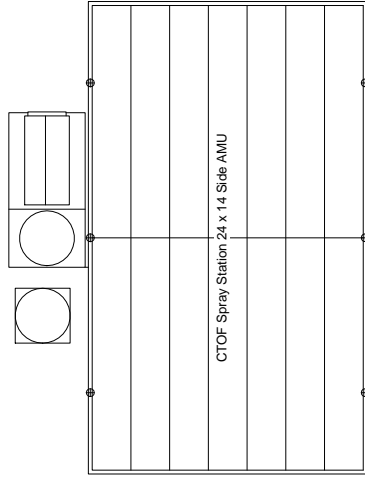
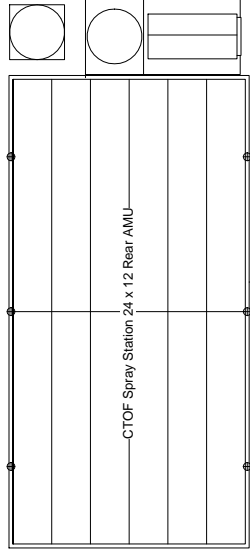
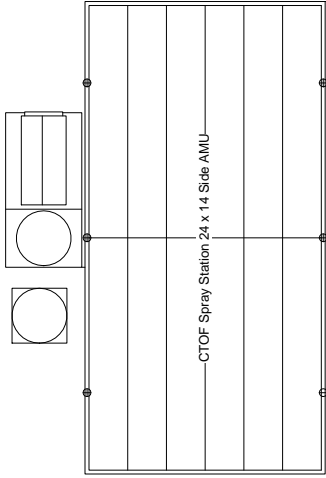
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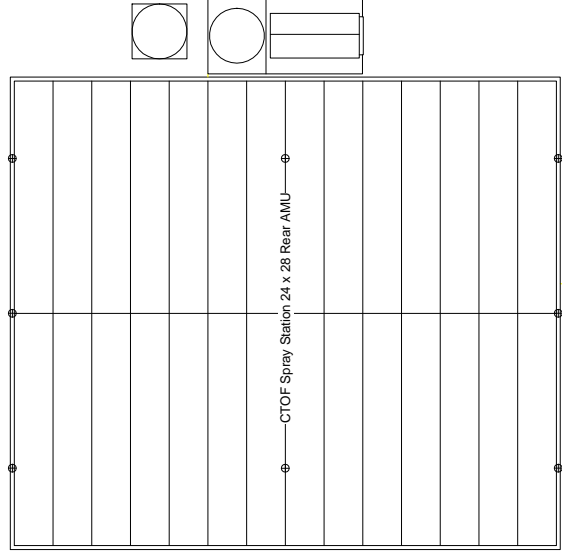
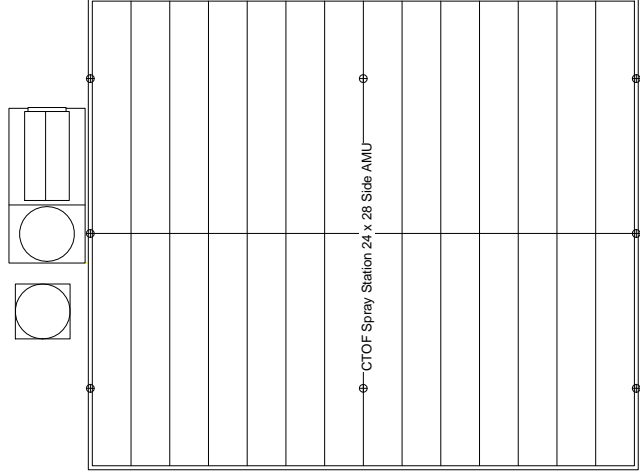
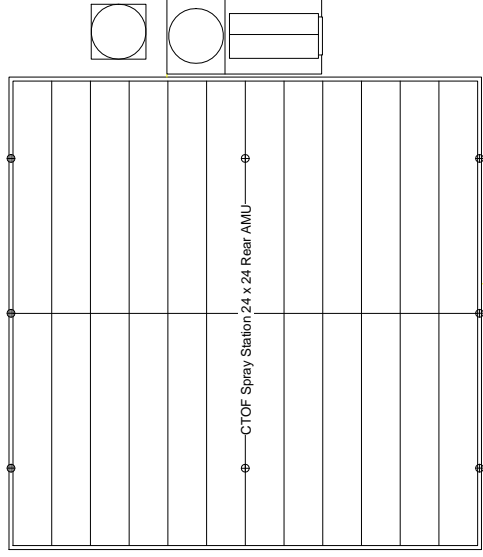
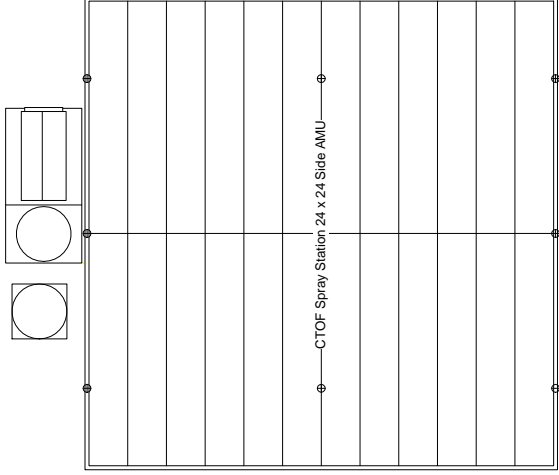
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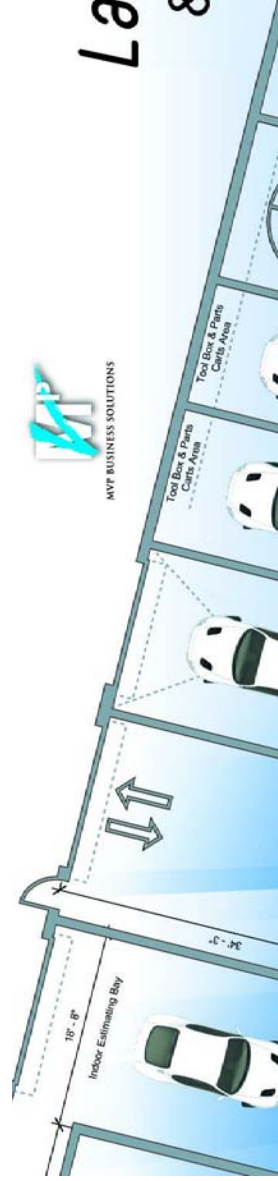
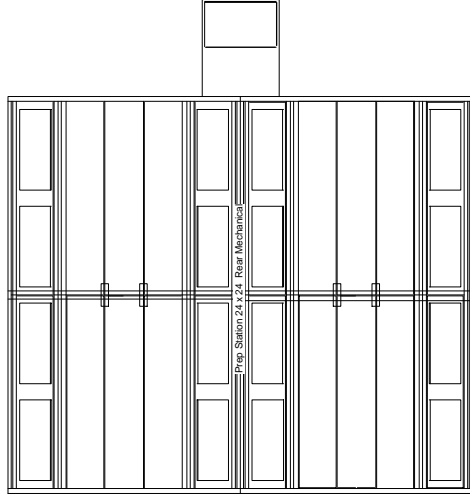
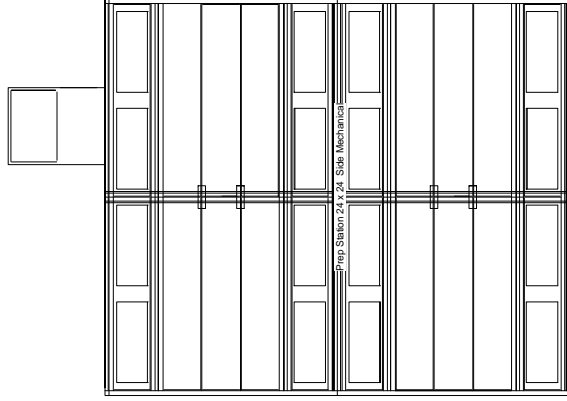
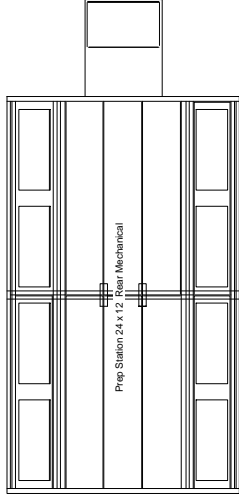
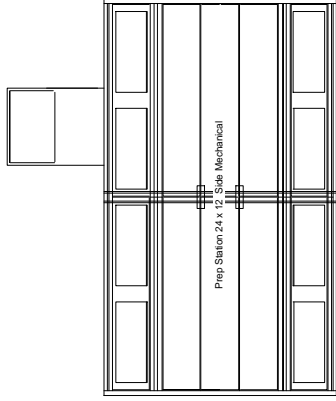


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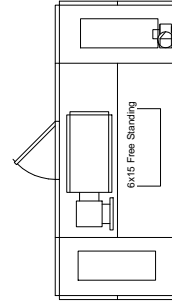
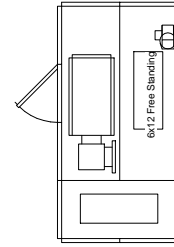
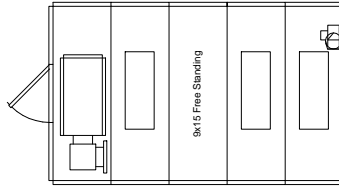
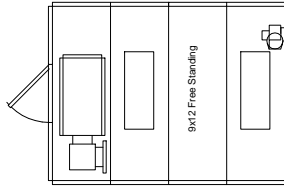
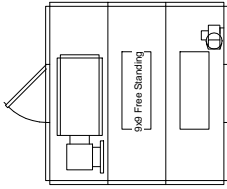
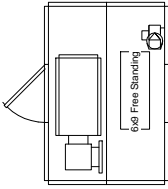
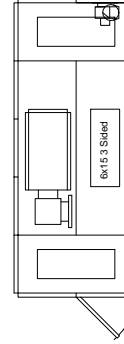
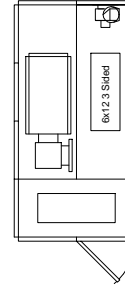
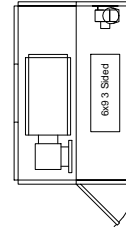
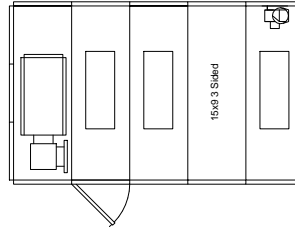
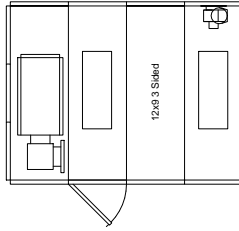
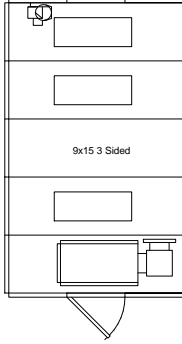
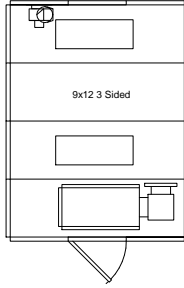
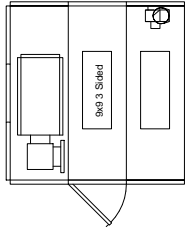
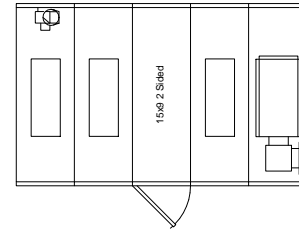
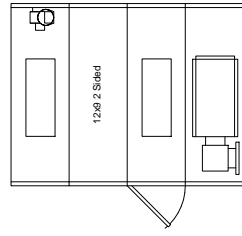
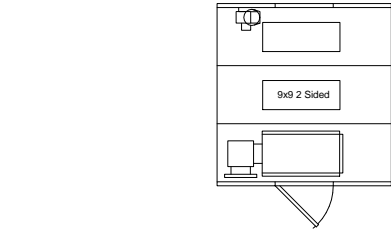


Layout & Design





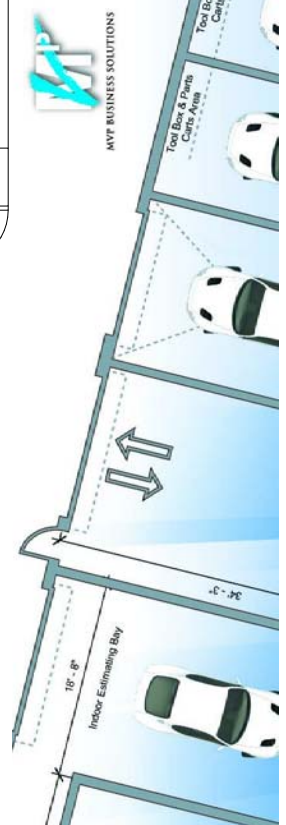
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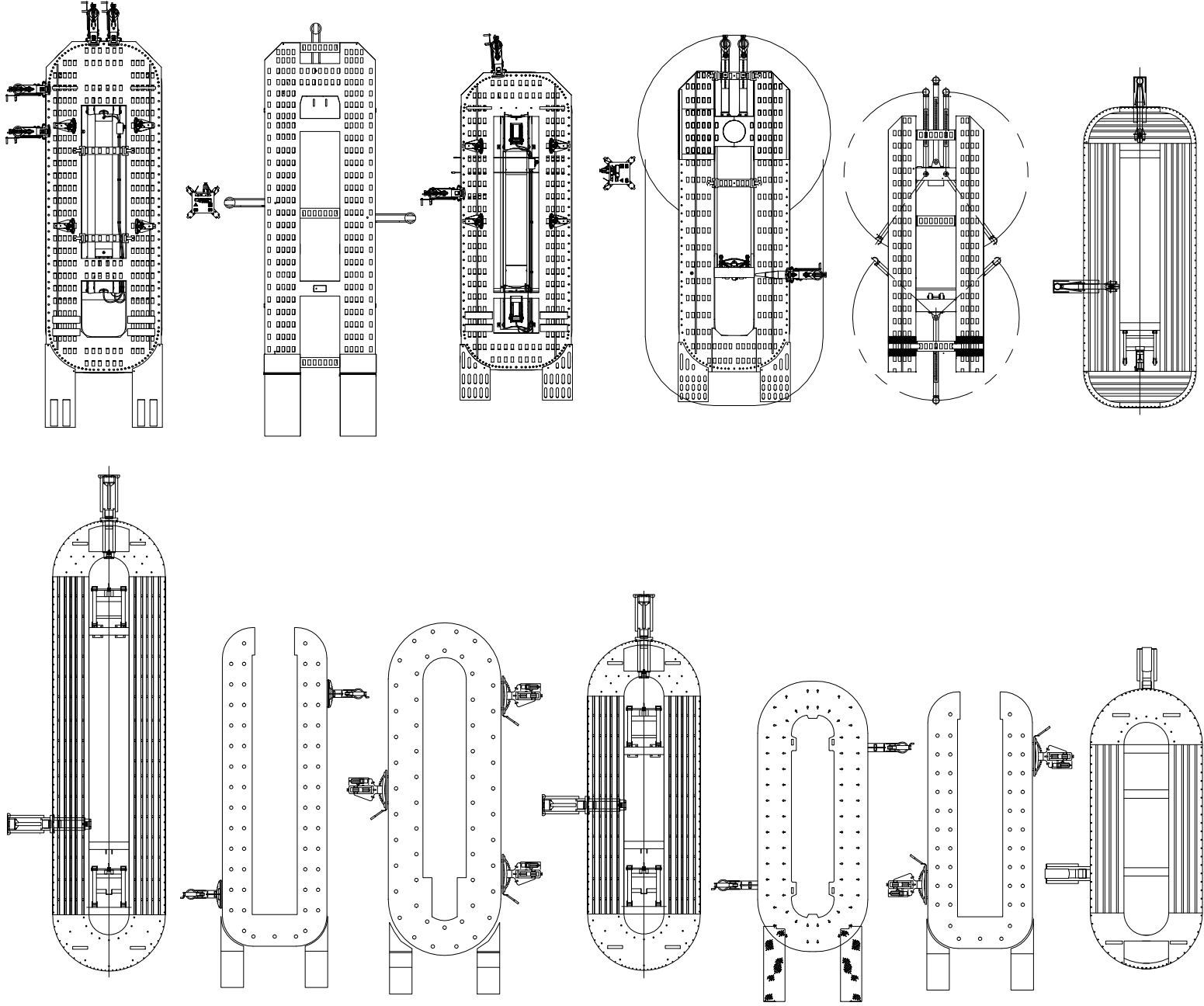
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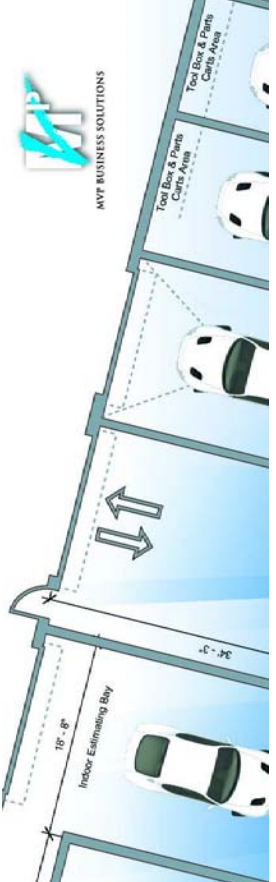
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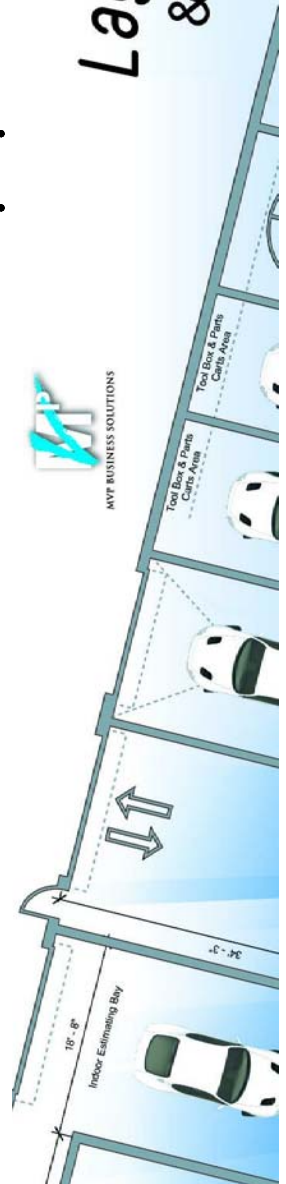
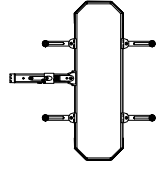
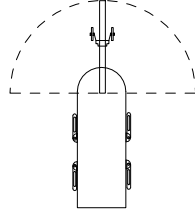
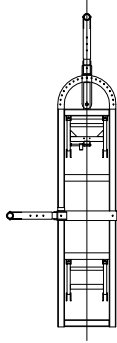
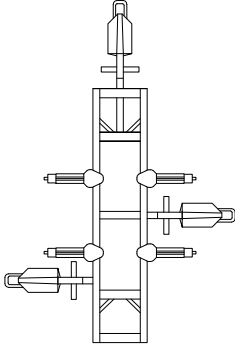
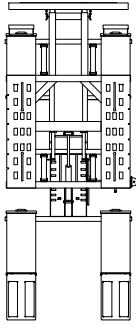
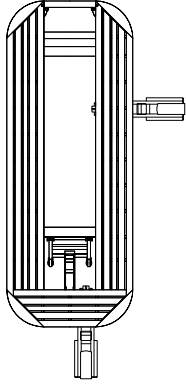
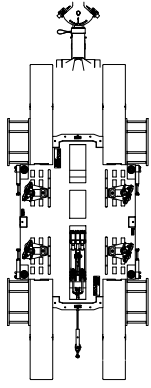
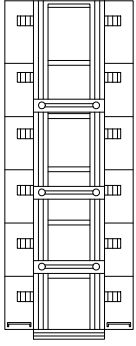
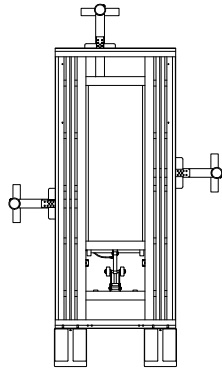
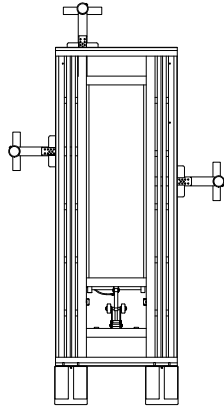
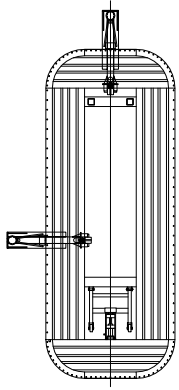
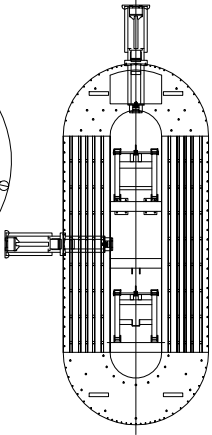
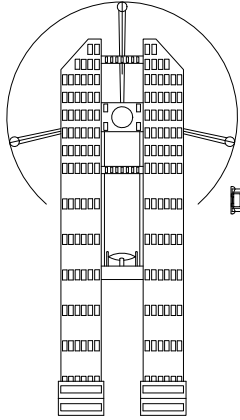
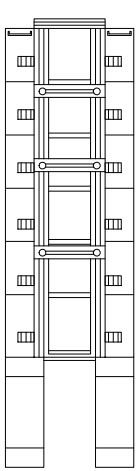
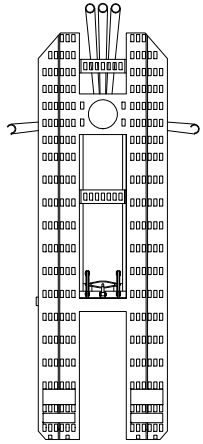
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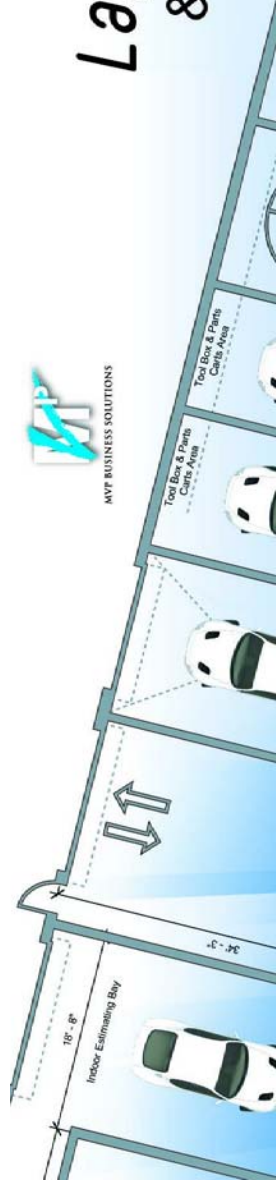
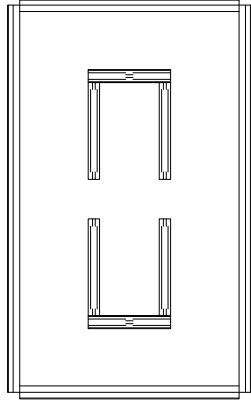
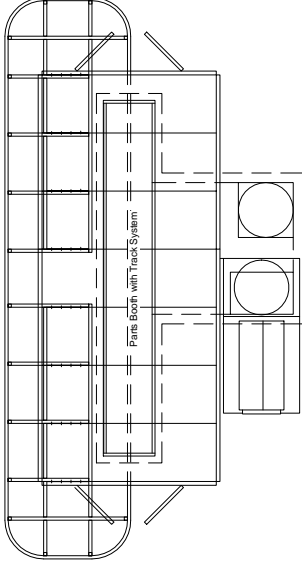
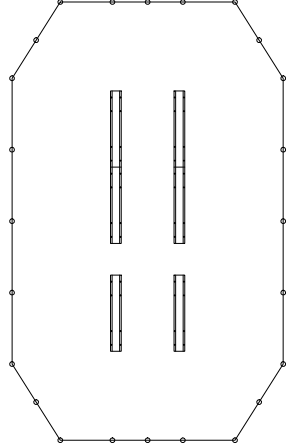
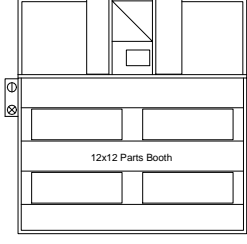
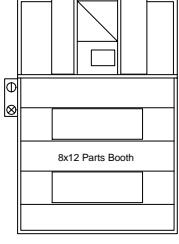
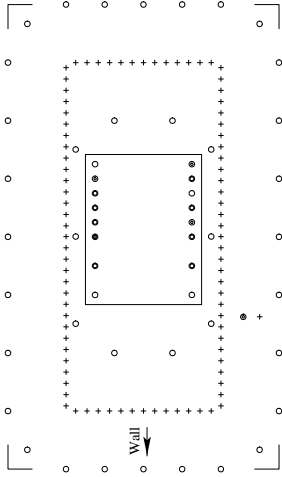
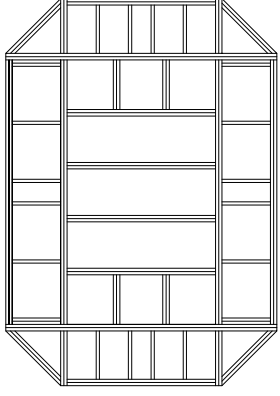
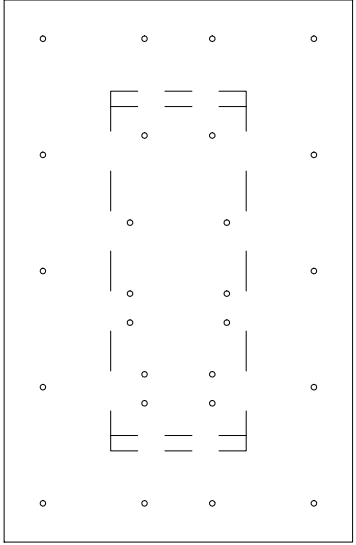
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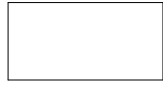
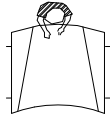
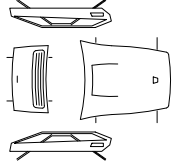
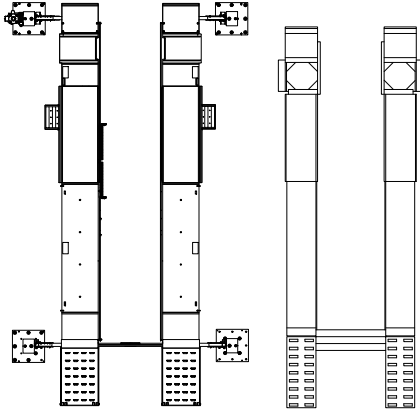
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Shop Table



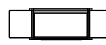
Parts Cart



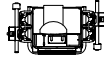
Parts Cart



Mobile Estimating



Point of Use Tool Cart



Brake Lathe



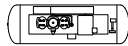
Wheel Balancer



Rotary Screw Compressor & Tank



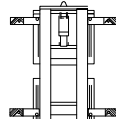
Vertical Tank Compressor



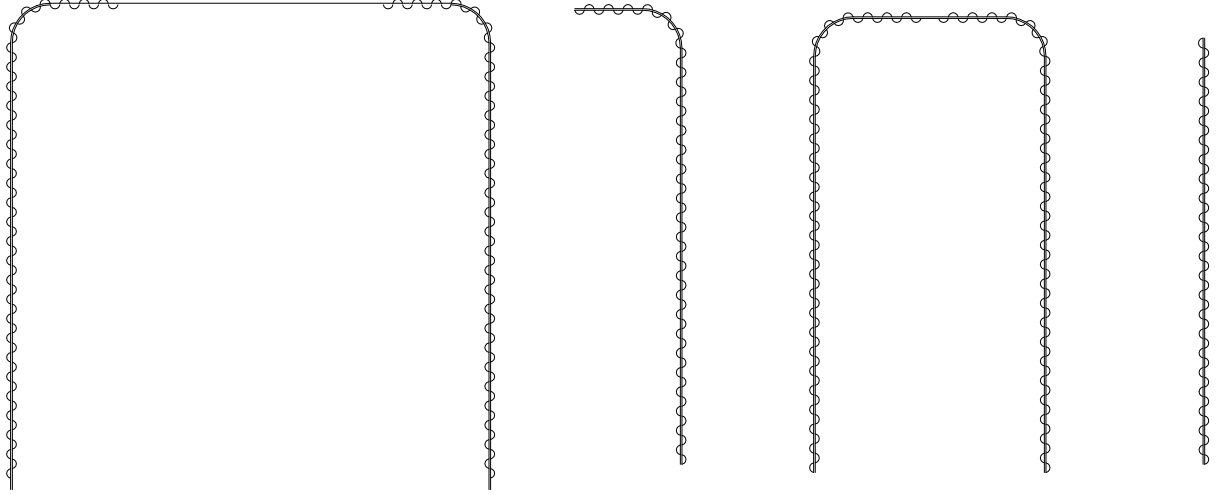
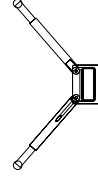
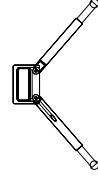
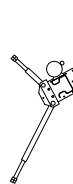
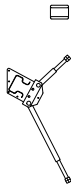
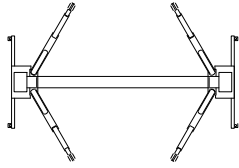
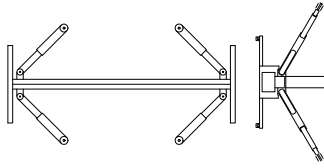
Horizontal Tank Compressor



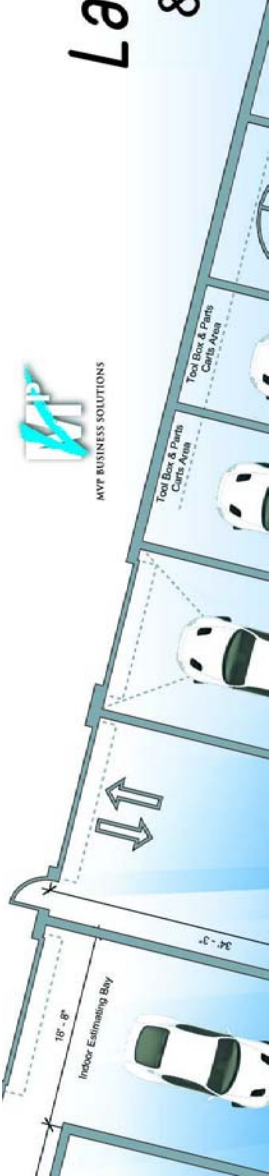
Central Vacuum Sanding Unit



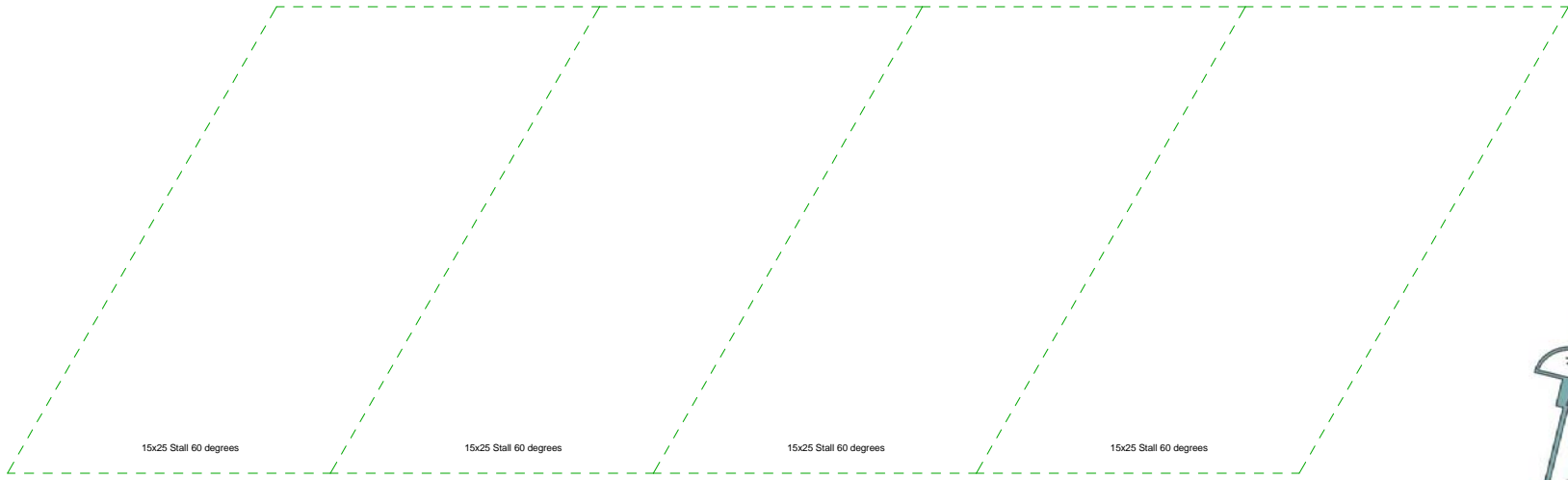
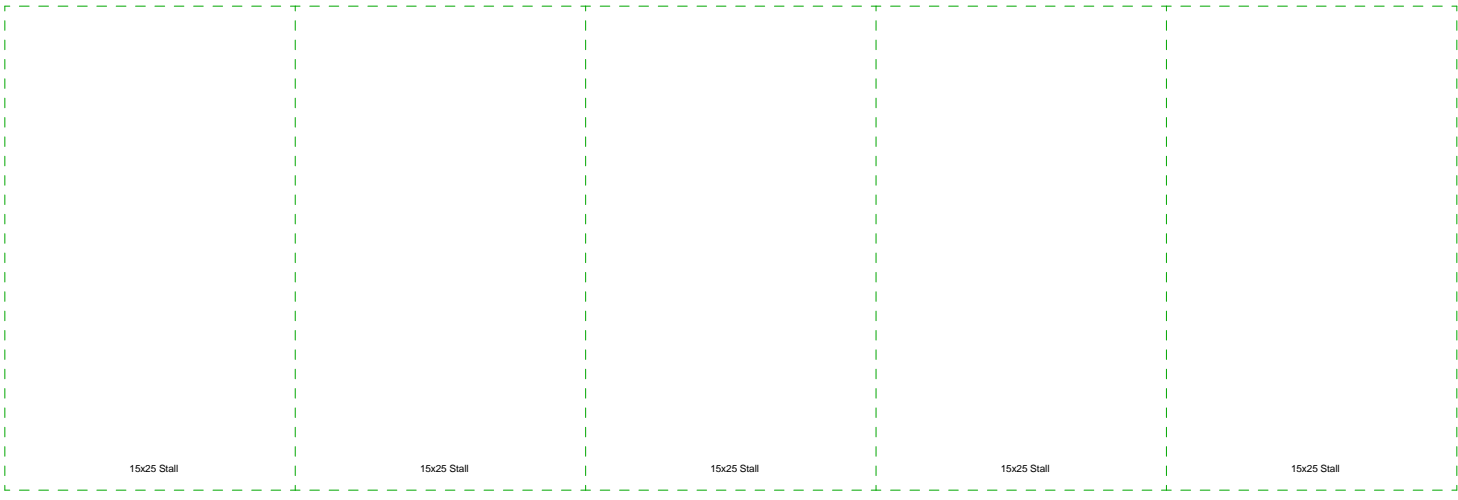
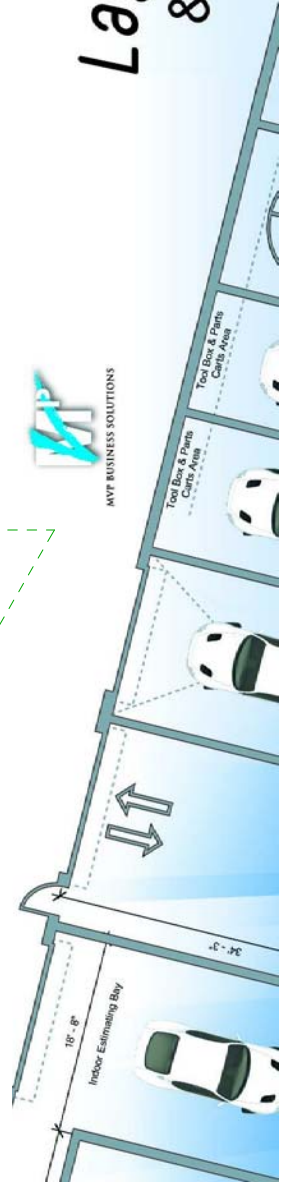
Mid Rise Lift



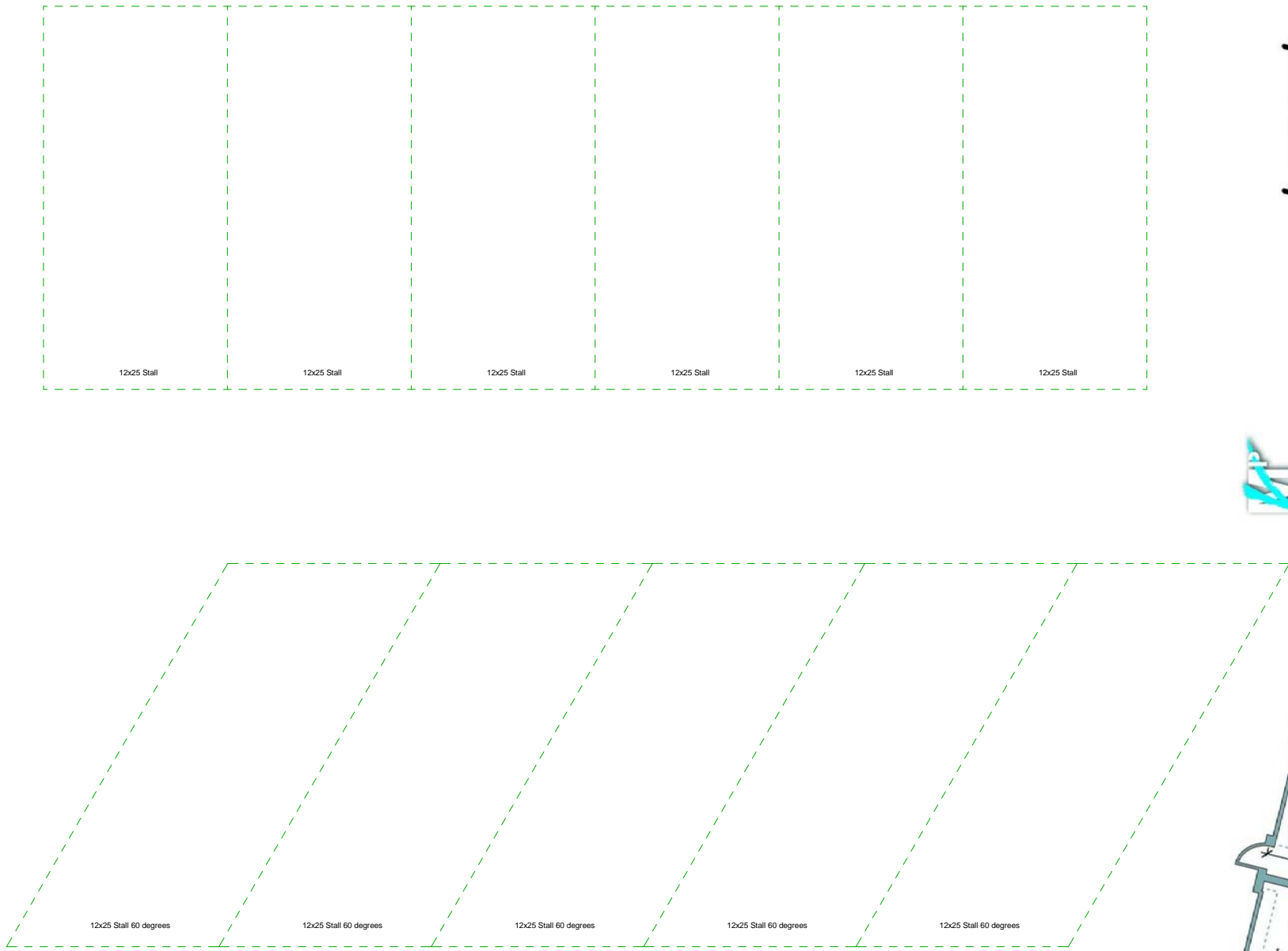
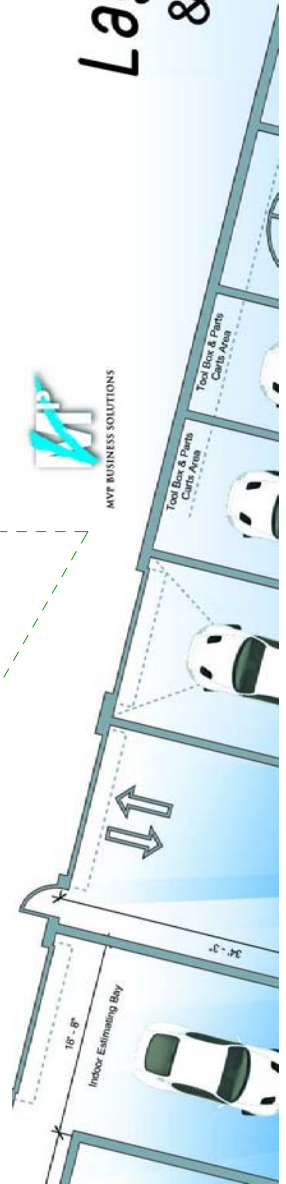
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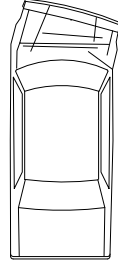
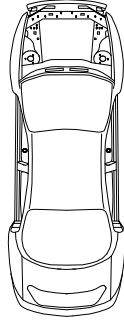
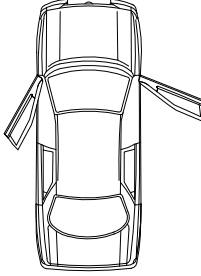
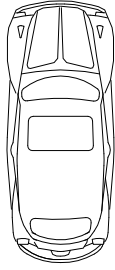
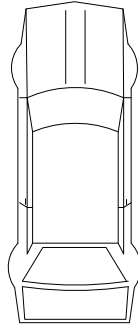
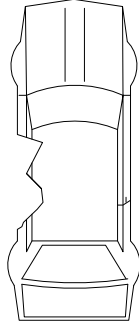
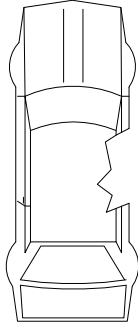
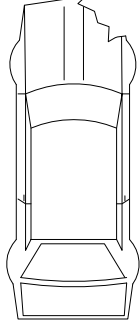
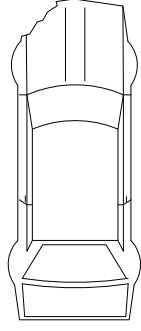
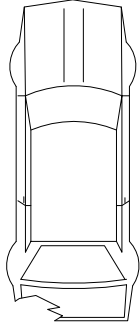
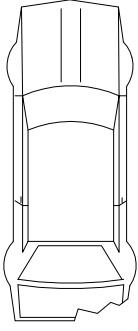
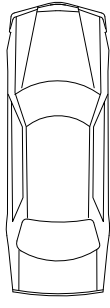
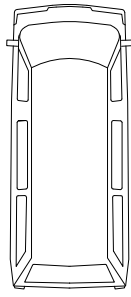
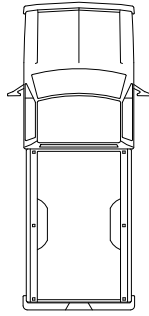
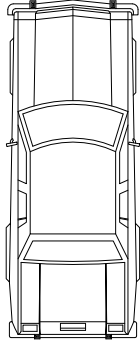
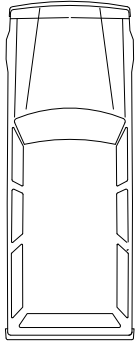
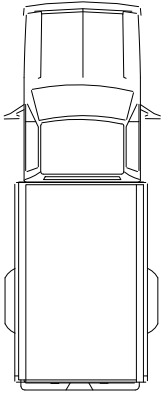
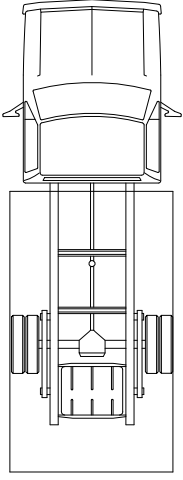
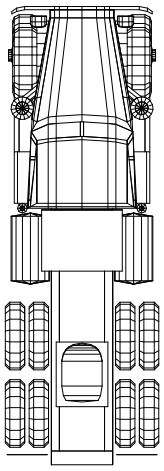
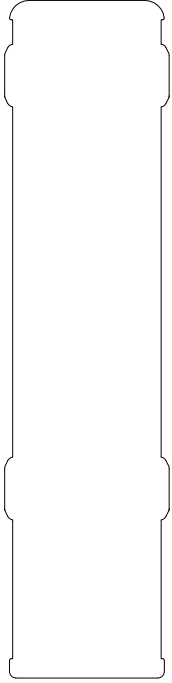


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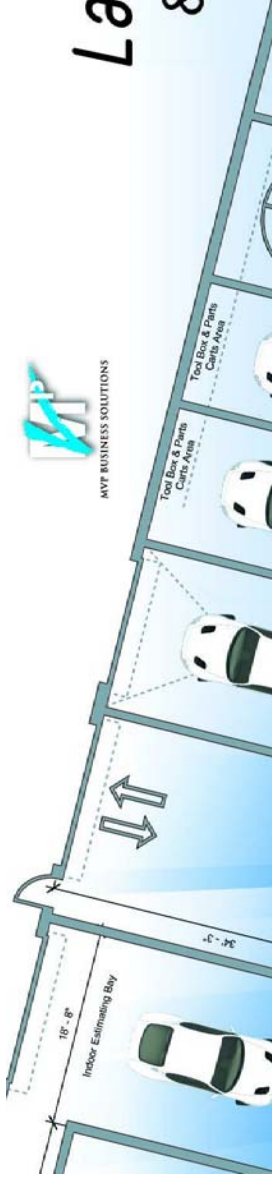


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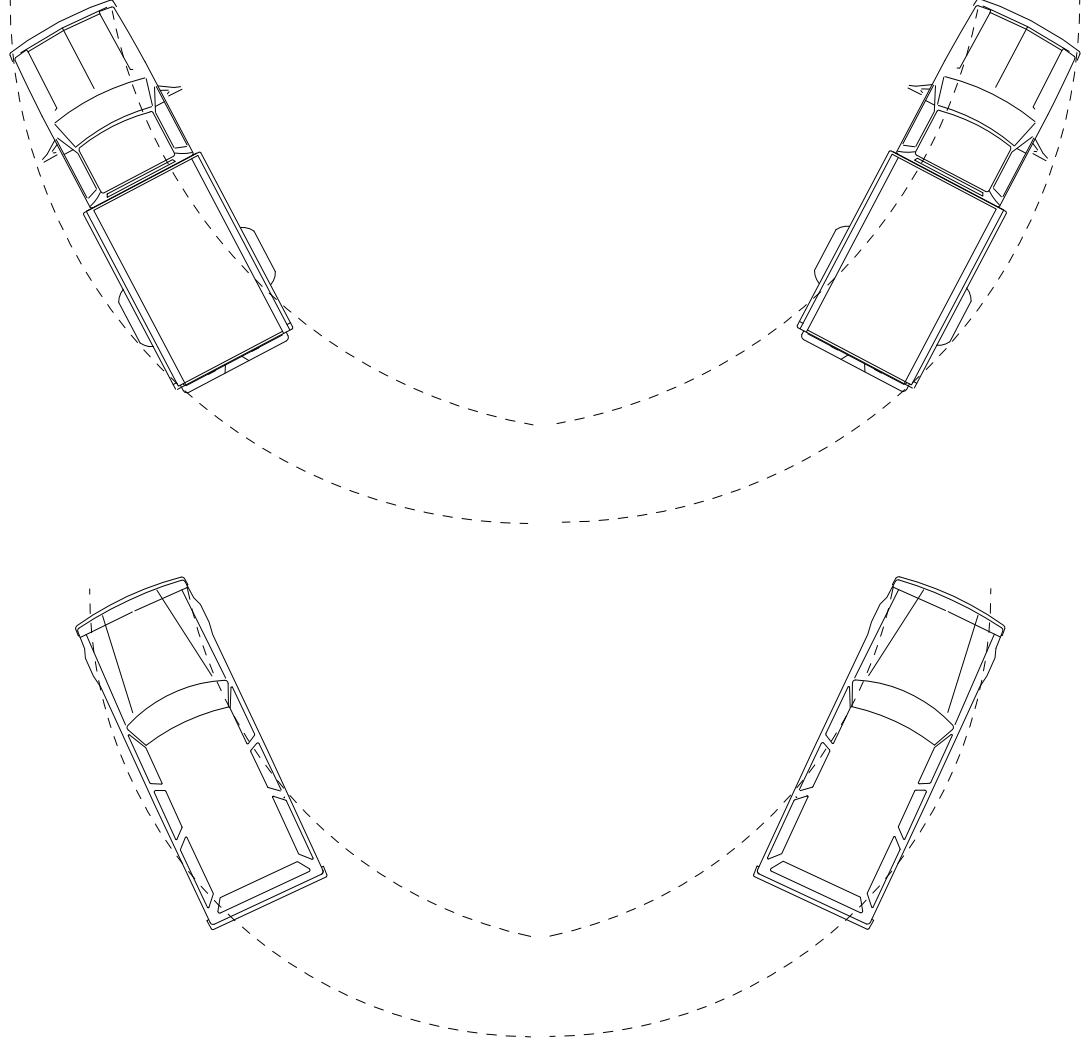




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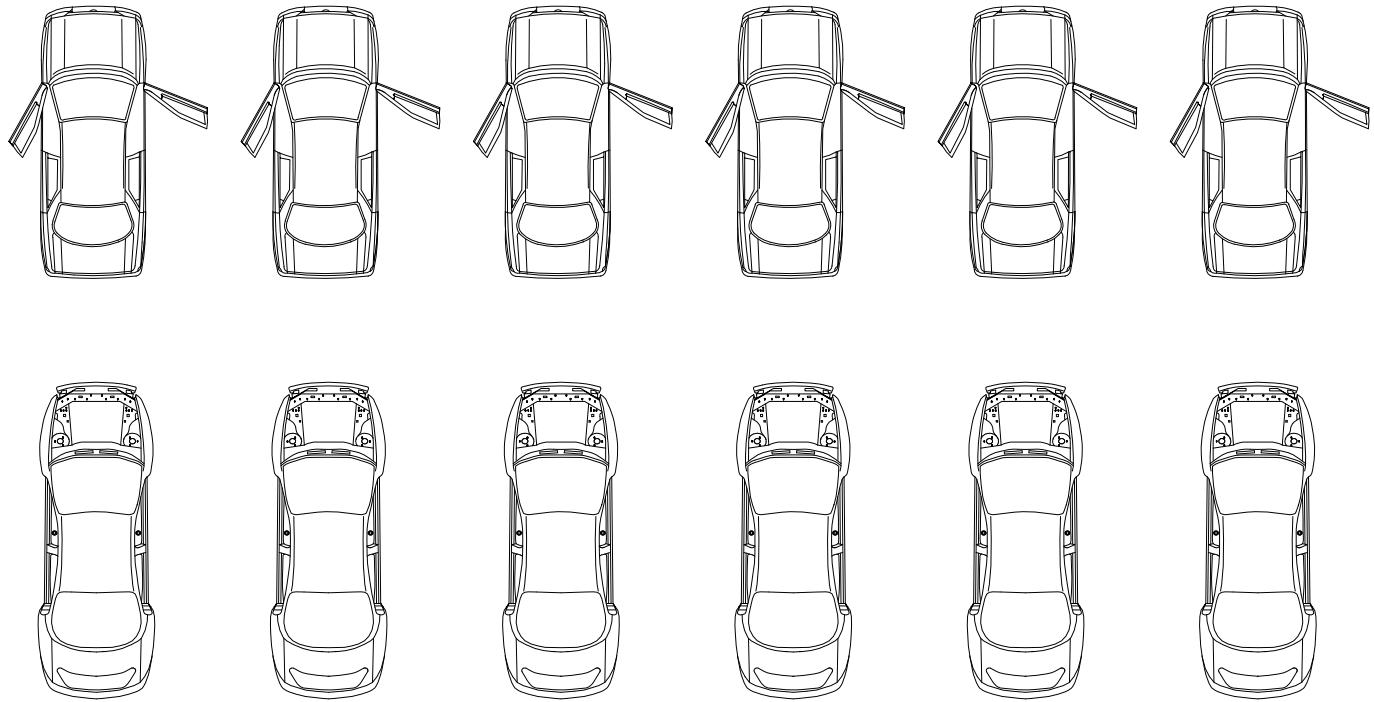


23 Car Turning Radius

27 Truck Turning Radius

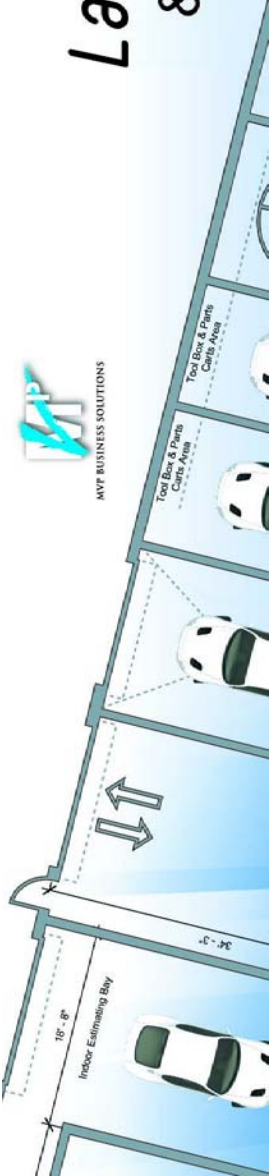
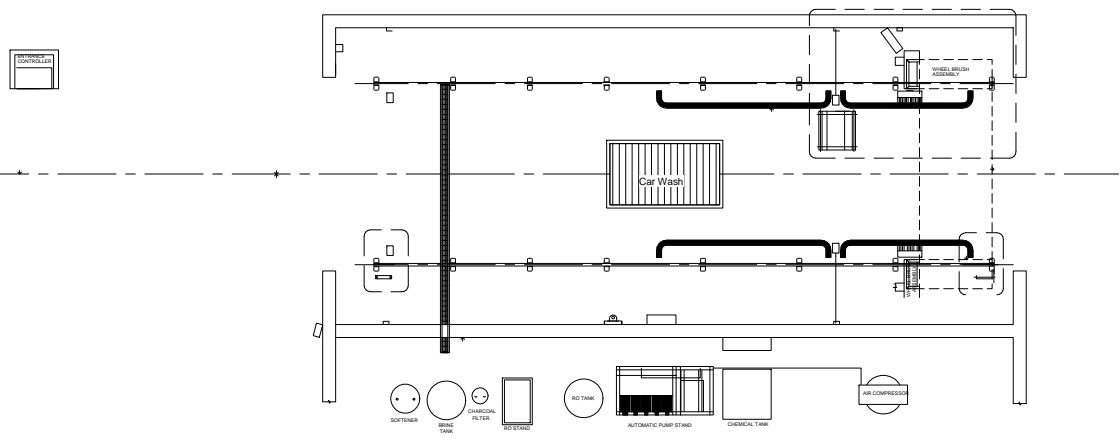


Layout & Design



Paint Shop 12 Stall Spacing

Metal Shop 12 Stall Spacing



Layout & Design

