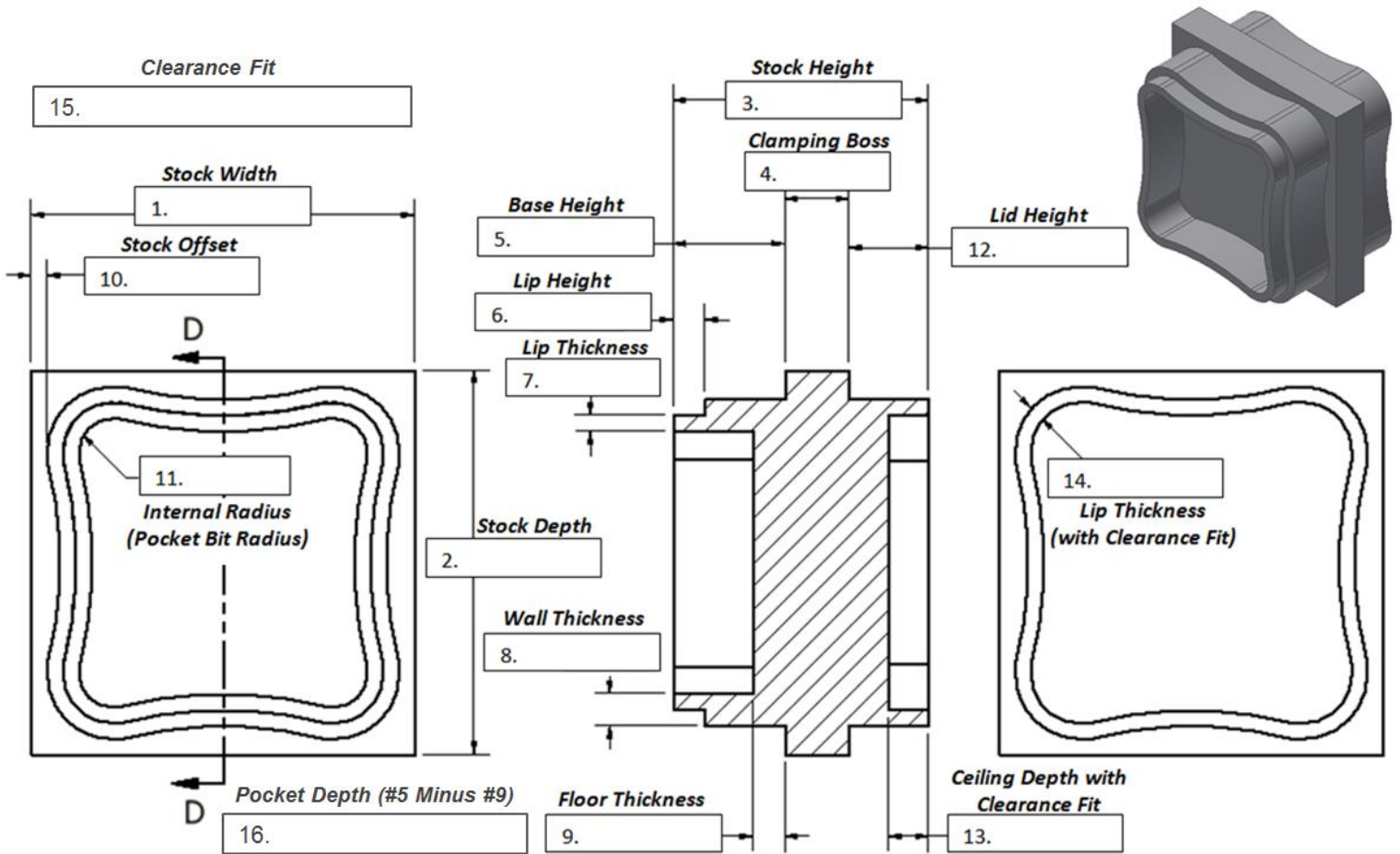
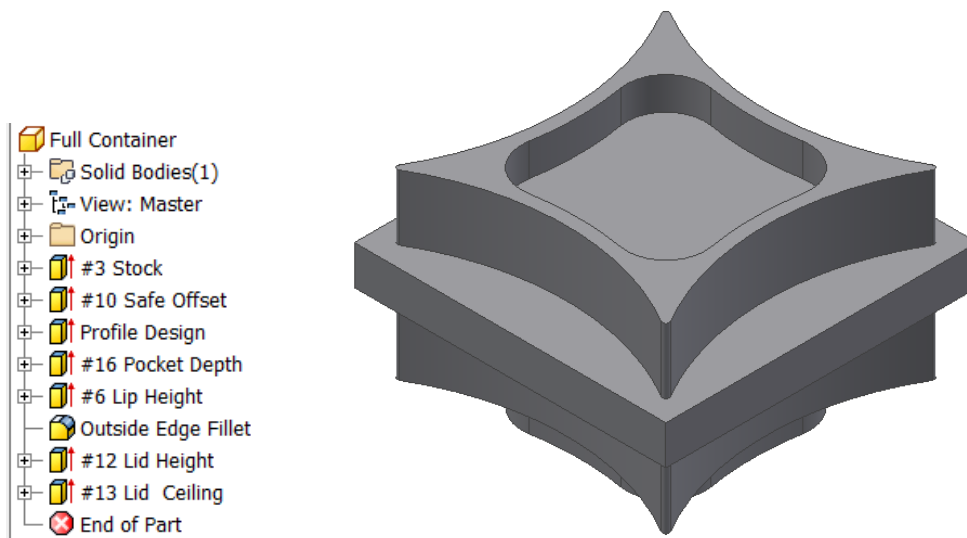



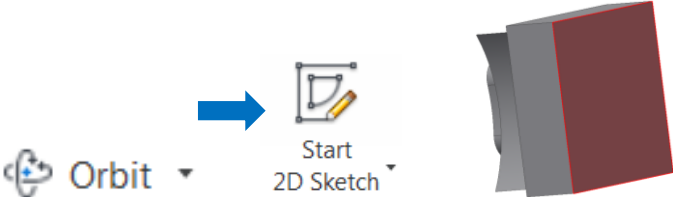
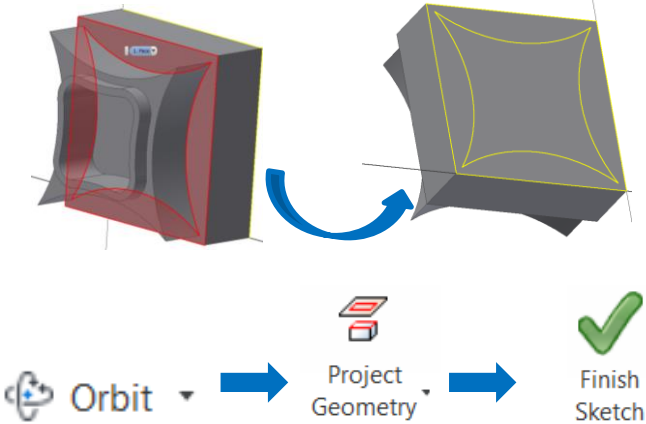

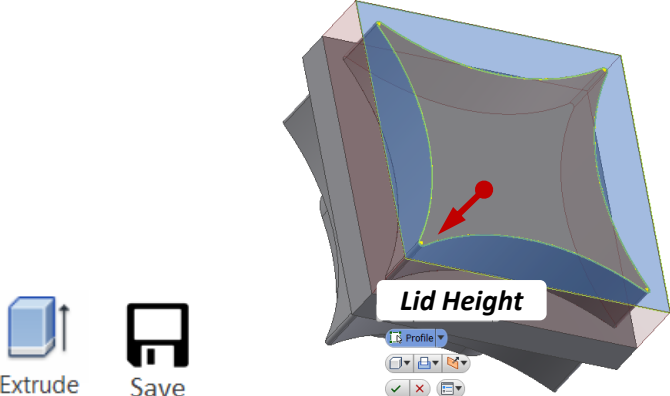

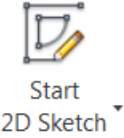

CNC Container Cheat Sheet

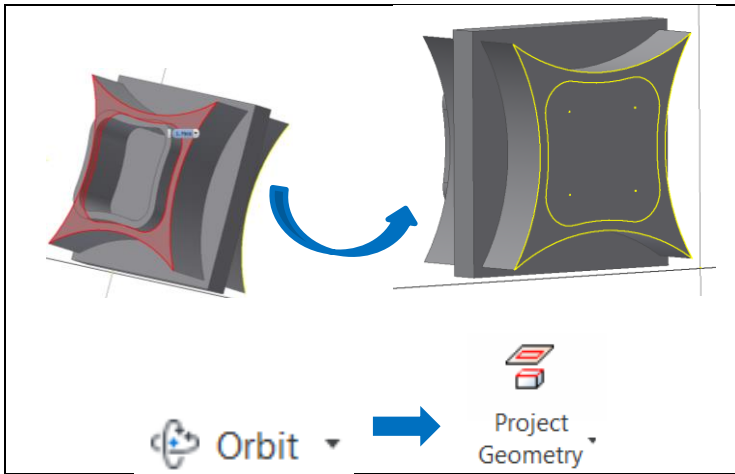
Lid Layout and Design



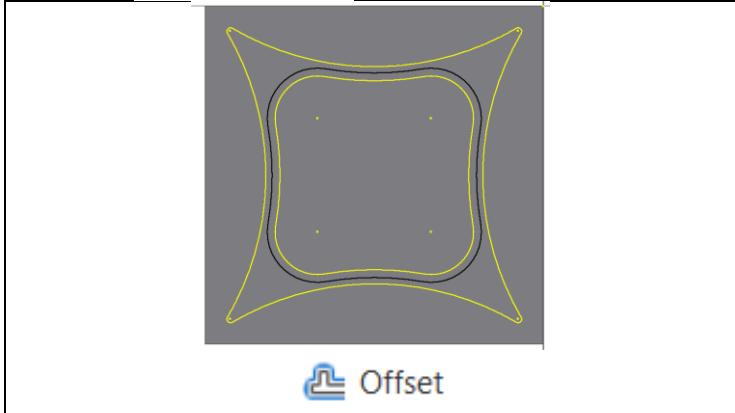
DESIGN STRATEGY 2 CONTAINER BASE & LID CONSTRAINTS



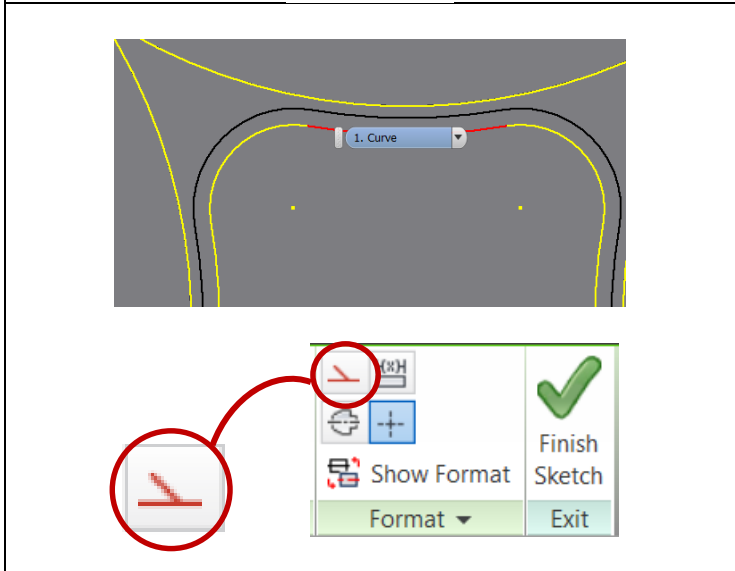
 <p>Open</p>	<p>Open the file "Full Container" to continue work on the design</p>
	<p>Flip the part over and create a new 2D SKETCH on the back side</p>
	<p>Flip the part over to again see the front face</p> <p>Project the geometry of the top face of the CLAMPING BOSS onto the back side of the part</p> <p>FINISH SKETCH</p>  <p>Project Geometry</p> <p>If auto project edges is not on by default (you get yellow edges every time a new sketch is created), please project the geometry of the top surface</p>
 <p>Extrude</p> <p>Save</p> <p>Lid Height</p>	<p>EXTRUDE CUT the rough stock into the part</p> <ul style="list-style-type: none"> Set an extrusion Lid Height of <ul style="list-style-type: none"> #12 _____  <p>Save</p>
	<p>Place a new 2D SKETCH on the top surface of the Lid</p>  <p>Project Geometry</p> <p>If auto project edges is not on by default (you get yellow edges every time a new sketch is created), please project the geometry of the top surface</p>



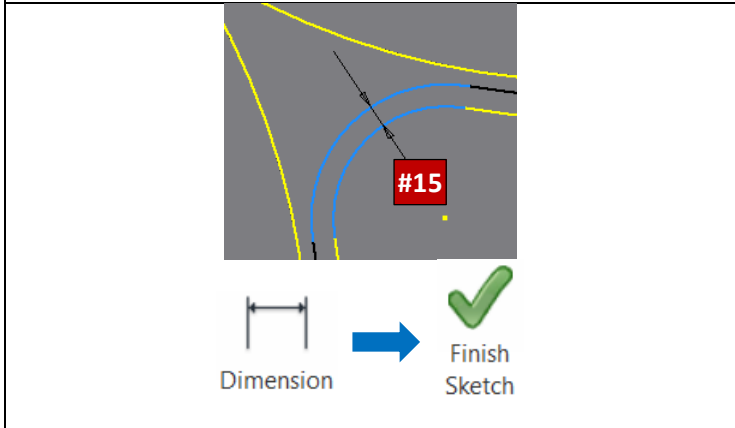
Again, flip the part over to see the front face
 Project the geometry of the top face of the body of the outside design onto the back side of the part



OFFSET, out, the Projected geometry of the Lip profile



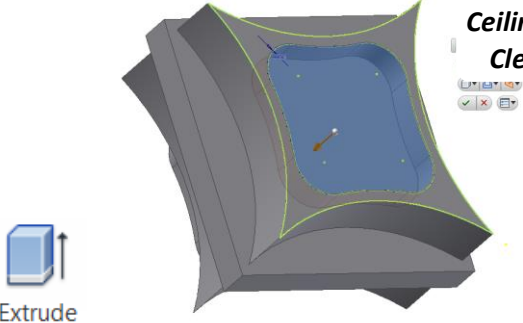


Select one of the yellow lines that make up the projected lip profile.
 Select the CONSTRUCTION LINE tool to hide the loop from Inventor's 3D features



Place an offset DIMENSION between the projected loop and the offset loop of the given tolerance.

- Set a **Tolerance Offset** distance of
 - #15 _____

FINISH SKETCH

 <p>Ceiling Depth w/ Clearance Fit</p> <p>Extrude</p>	<p>EXTRUDE CUT the rough stock into the part</p> <ul style="list-style-type: none">• Set an extrusion for the Ceiling Depth w/ Clearance Fit of<ul style="list-style-type: none">○ #13 _____
 <p>Save</p>	<p>THIS COMPLETES THE CONTAINER LID</p>  <p>Save</p>

