

All Molds

- ▶ 5 gallon bucket for waste
 - ▶ Diameter=10"
 - ▶ Located in center of each mold
- ▶ Thickness=2"

“2-D” Circular Slab Mold →

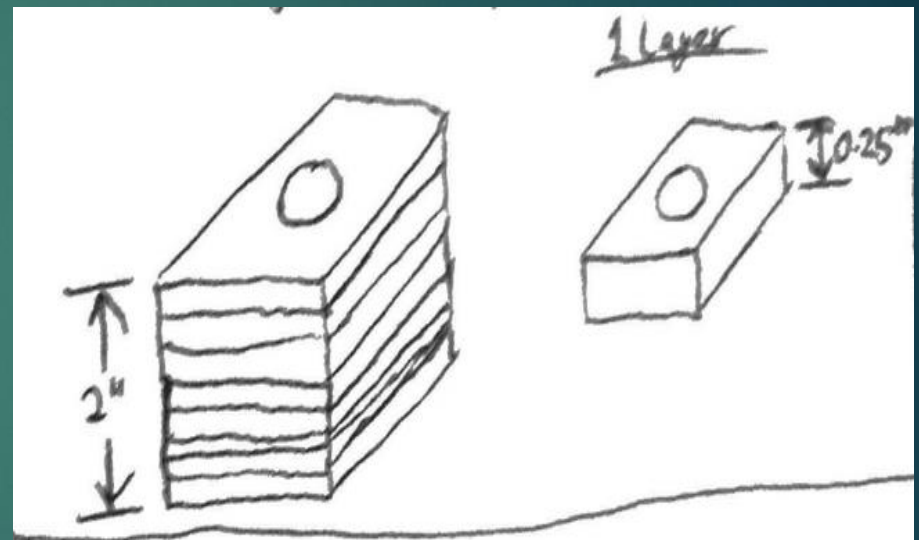
Peter Morgan’s

- ▶ Dig hole in ground to desired height and diameter
- ▶ Level off base and sides of hole
- ▶ Layer of sand with wooden mold for waste hole on top
- ▶ Release agent
 - ▶ shovel to dig around and lift
 - ▶ Use sheet of plastic
- ▶ More of a “do it yourself” design



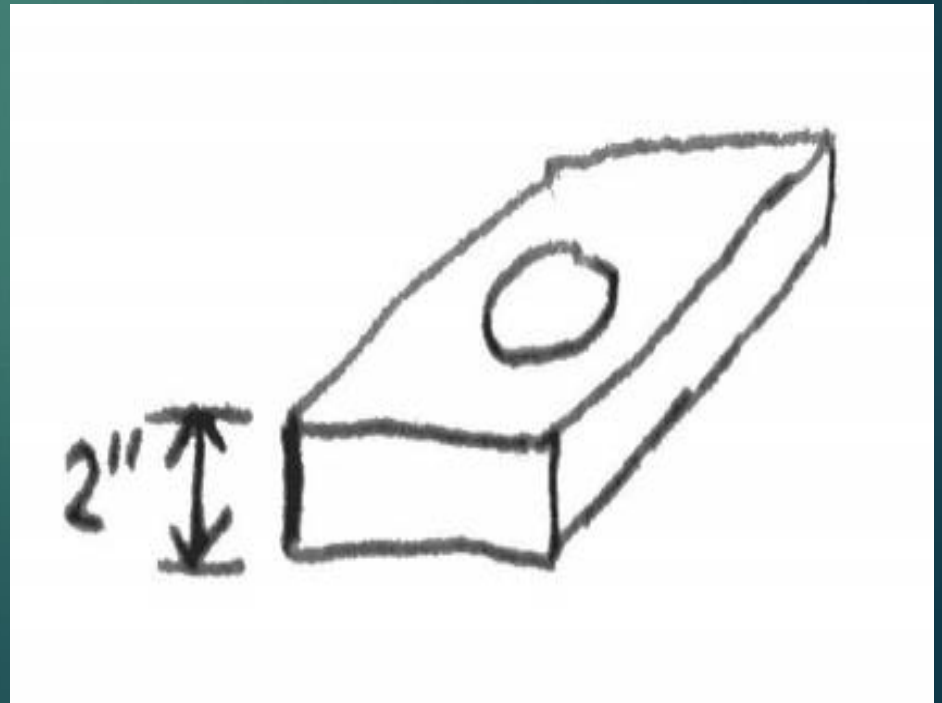
“2-D” Circular Slab Mold → Layers of Plywood

- ▶ Multiple sheets of plywood with a hole in the center
 - ▶ Assume: each sheet is 0.25" thick, need 8 layers to make 2" thick total
- ▶ Layer it up like “Barefoot Architect” version
 - ▶ Put paste down in hole; fill out the mold
 - ▶ Place second sheet of plywood on top; fill out mold
 - ▶ Continue until reach 2"
- ▶ Simple and easy to replicate



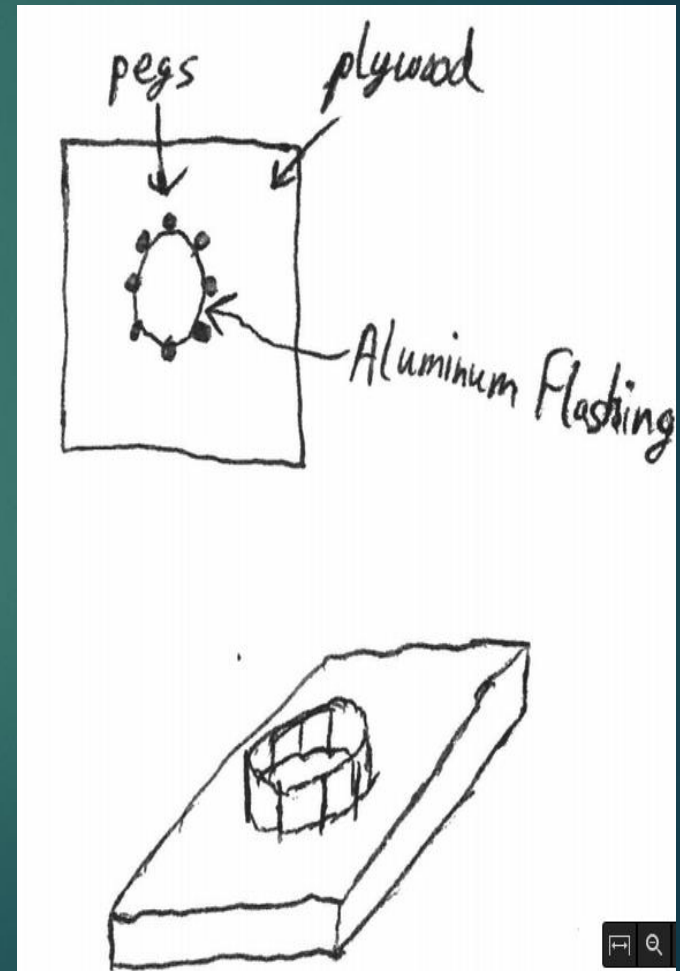
“2-D” Circular Slab Mold → Polystyrene

- ▶ Very accurate
- ▶ Plastic sheet as release agent
- ▶ Machining costs
- ▶ Repeatable



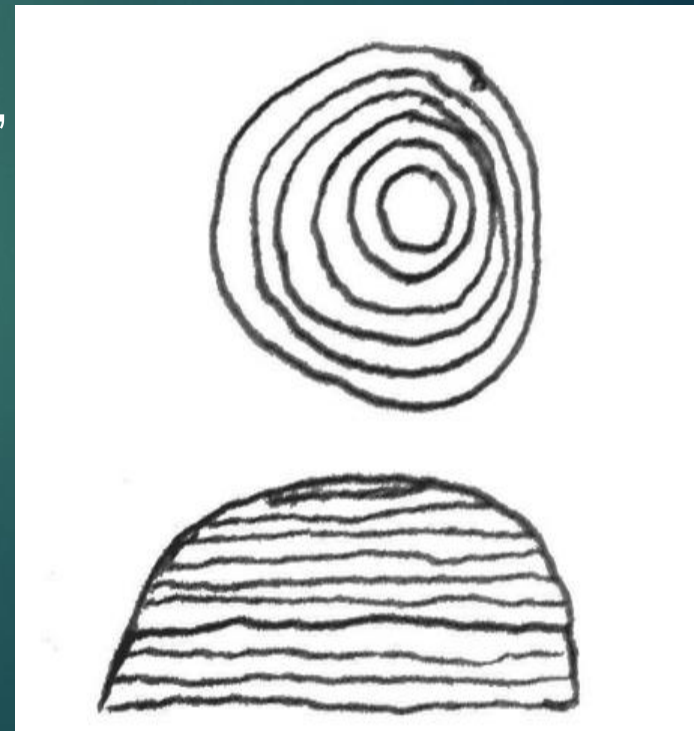
“2-D” Circular Slab Mold → Pegs in Ground

- ▶ Plywood on ground
- ▶ Place metal stakes/pegs in a circle on plywood
 - ▶ Aluminum Flashing to be placed against pegs
- ▶ Place sheet of plastic over flashing, pegs, and plywood
 - ▶ Release agent



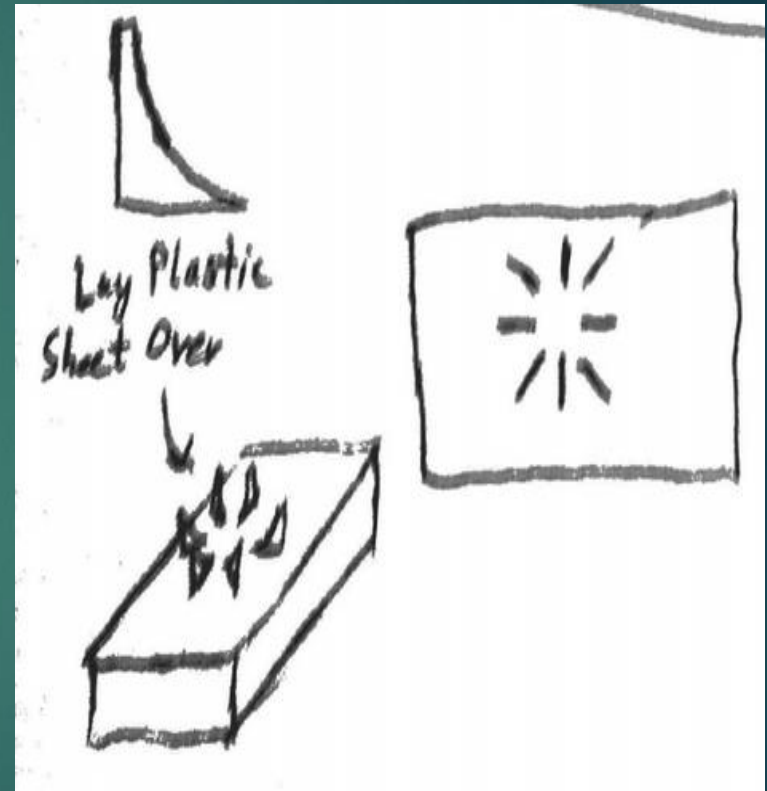
Dome Mold → Layers of Plywood

- ▶ Stack plywood on top of each other
 - ▶ Smaller diameter as height increases
 - ▶ Clay to smooth out edges
- ▶ Place plastic sheet as release agent
- ▶ 0.25" thick, need 16 layers to make 4"



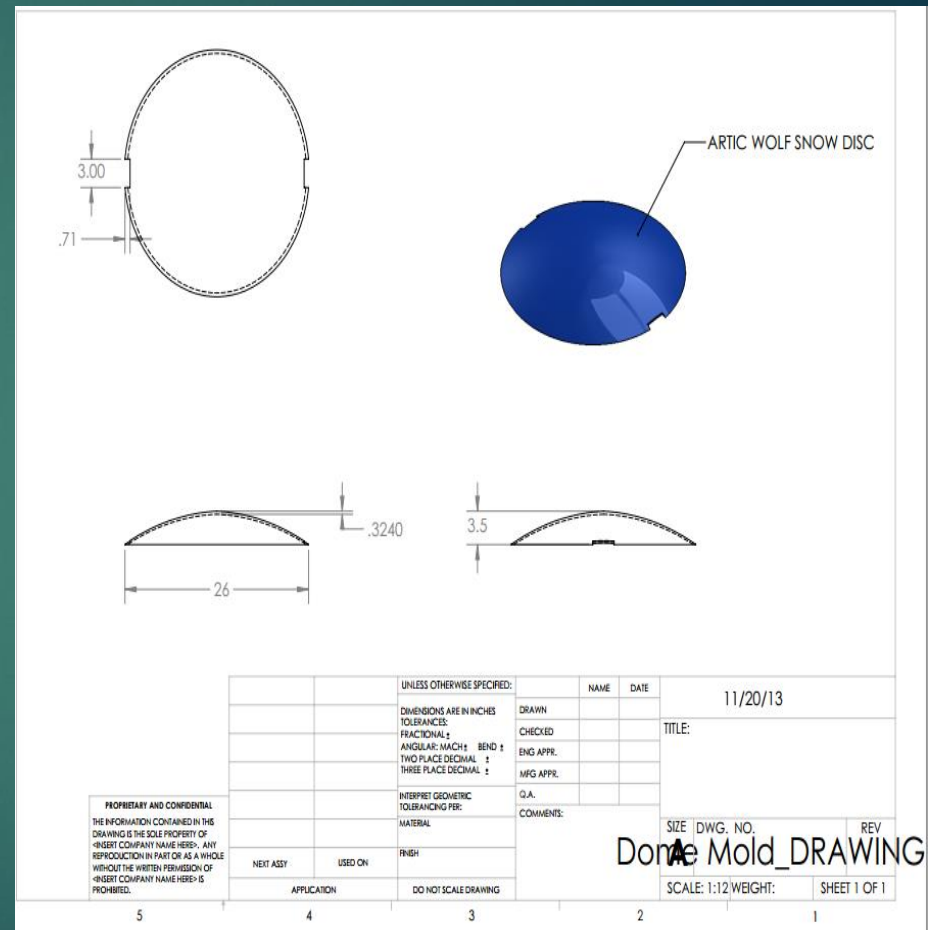
Dome Mold → Plywood Sections Placed in Circle

- ▶ Cut out multiple pieces of plywood
- ▶ Stand up plywood pieces in a circle
 - ▶ Bottom: sheet of plywood with notches
 - ▶ Places pieces in notches
- ▶ Place plastic material over the side pieces and bottom



Dome Mold → Artic Wolf Snow Discs

- ▶ Plastic
- ▶ Diameter= 26"
- ▶ Depth= 3.5"
- ▶ Still use plastic sheet
- ▶ Use 2 sleds to make "sandwich" with spacers for thickness



Dome Mold → Sand

- ▶ Similar to sand castles on the beach
- ▶ Mold a dome shape (ex: using a sled)
 - ▶ Pack sand tightly
- ▶ Lay sheet of plastic over the top
- ▶ Smooth out paste to desired thickness
- ▶ Hard to replicate

Dome Mold → Styrofoam

- ▶ Very accurate
- ▶ Machining costs
- ▶ Plastic sheet as release agent

