

4

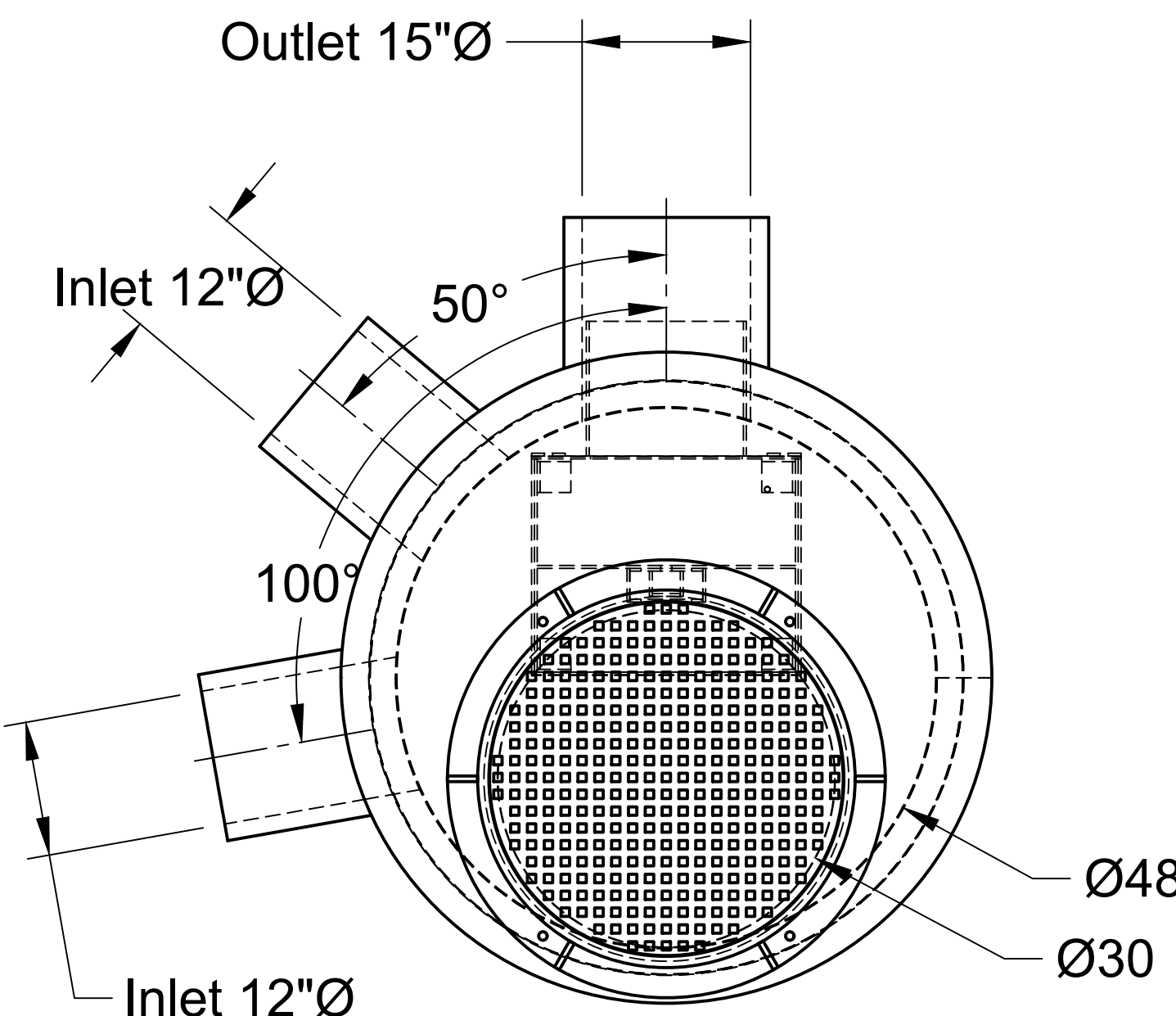
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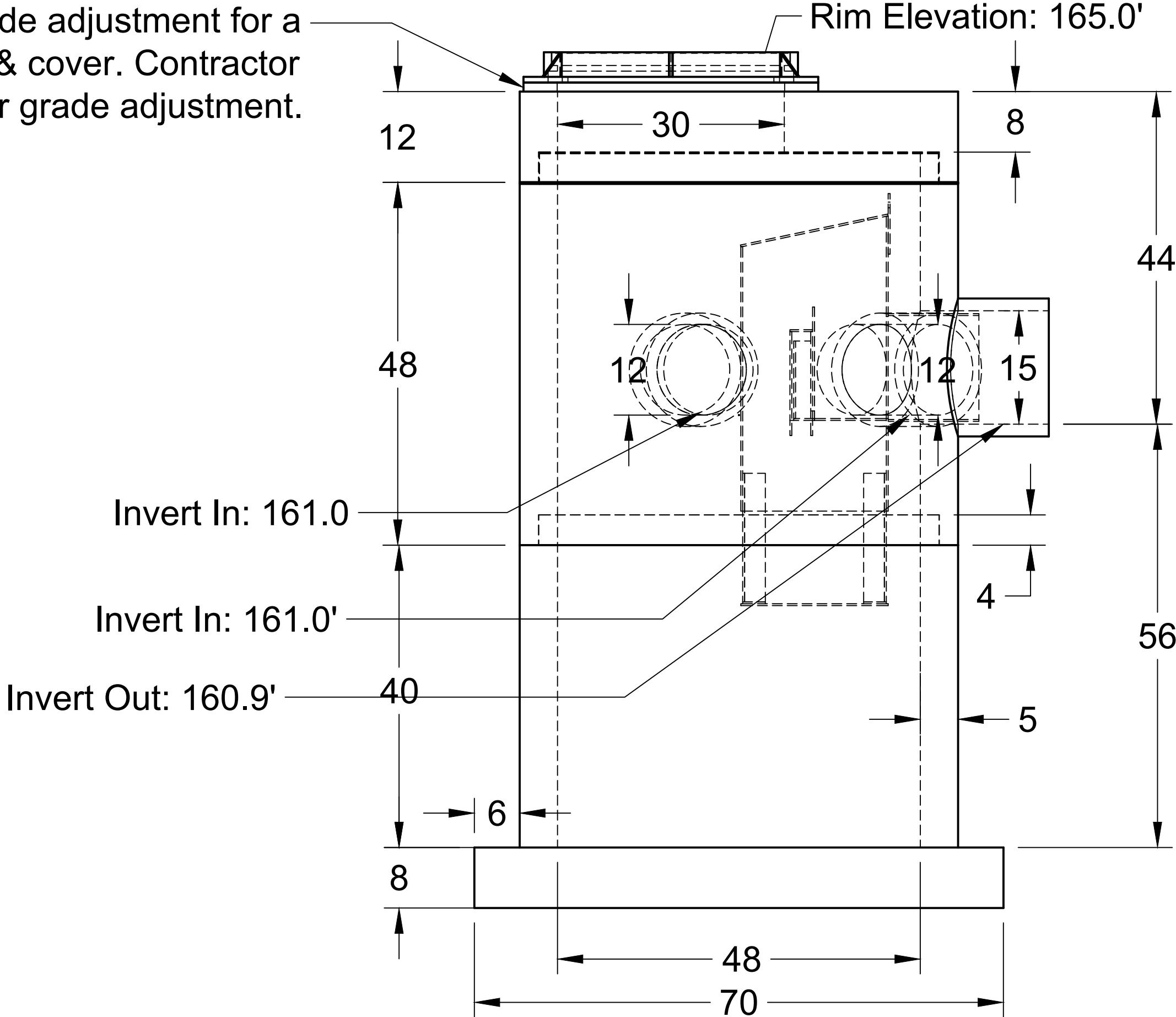
1

Approx. 1" of grade adjustment for a 4" high frame & cover. Contractor responsible for grade adjustment.

Rim Elevation: 165.0'



Plan



Profile

Independently tested & independently verified by NJCAT and ETV Canada

NJDEP certified and CTDOT approved

US Patent #10,801,196

HydroDome HD4

Project:

Location:

Date: 04/24/2025

Scale:

Rev:



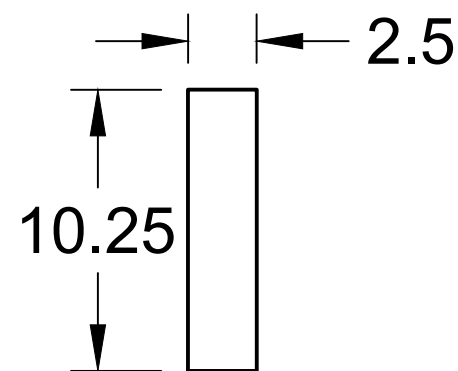
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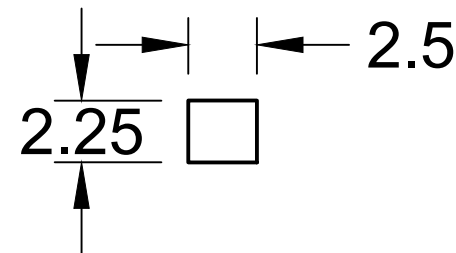
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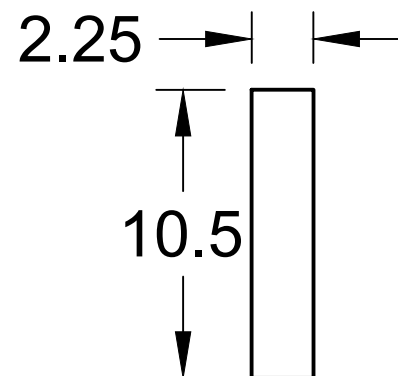
Siphon Inner
Front



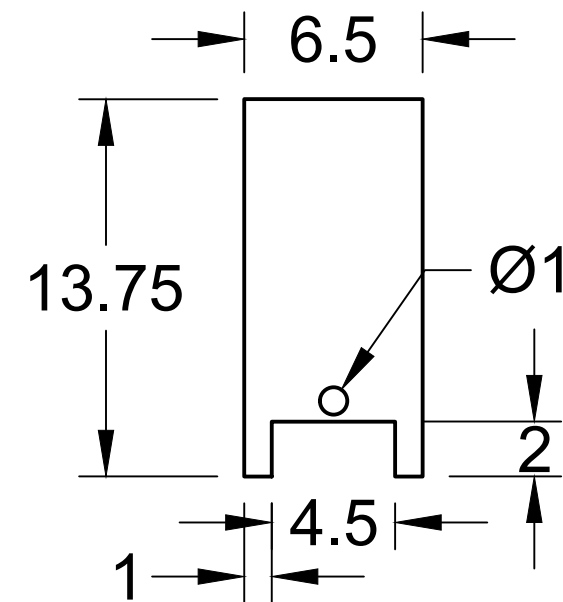
Siphon Bottom



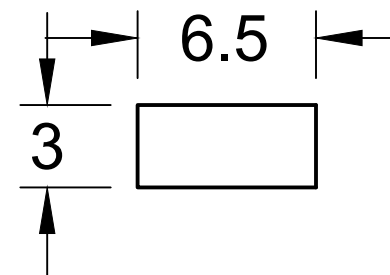
Siphon Inner
Wall (x2)



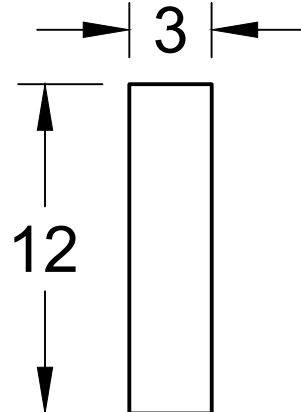
Siphon Back



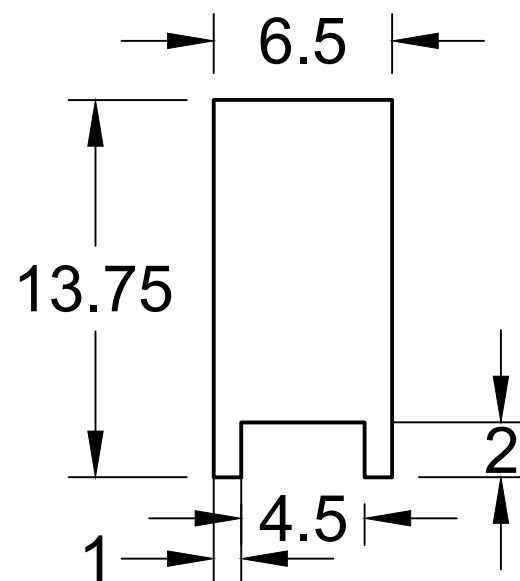
Siphon Top



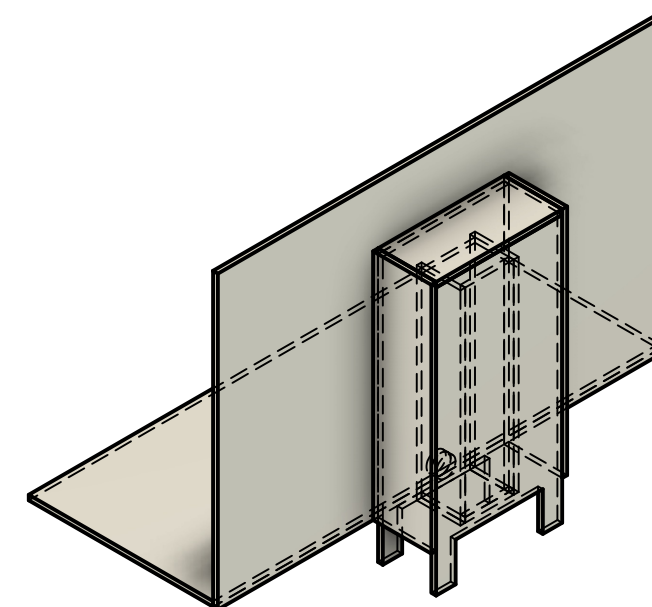
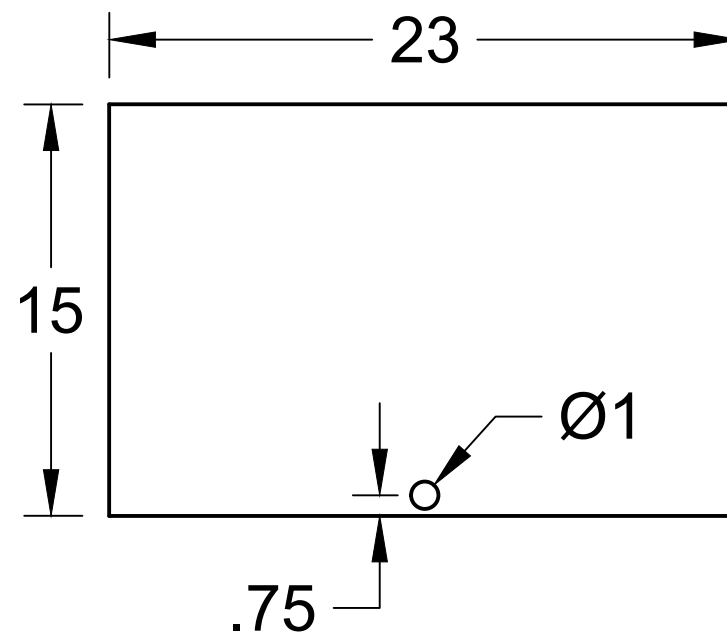
Siphon Outer
Wall (x2)



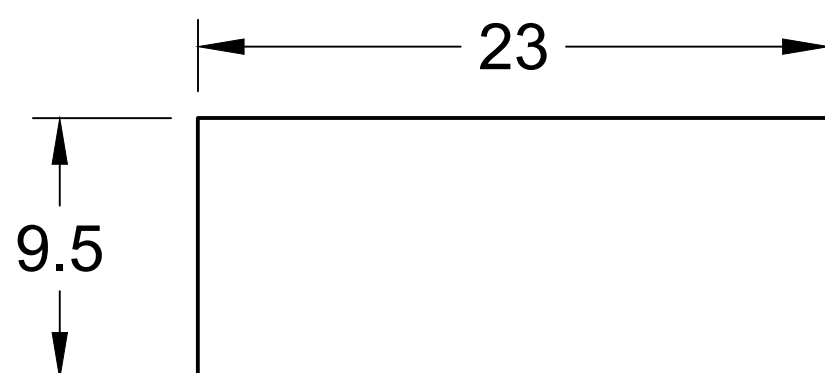
Siphon Front



High Flow Weir



Outlet Plate



HydroDome HD4

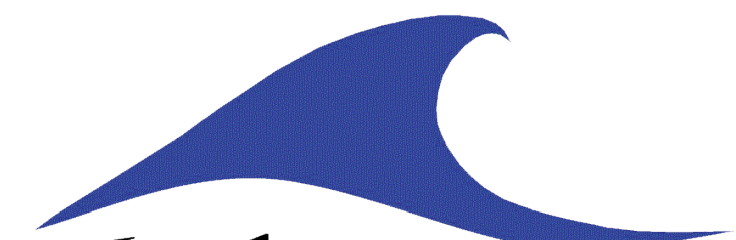
Project: Sierra Vista Commons (CDS-2)

Location: East Hampton, MA

Date: 04/24/2025

Scale:

Rev:


Hydroworks

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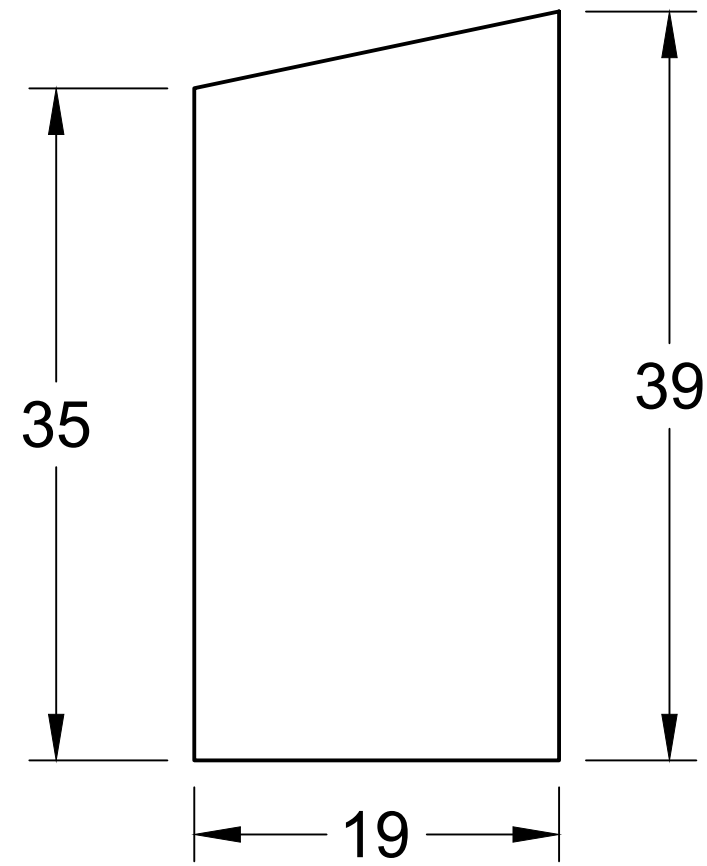
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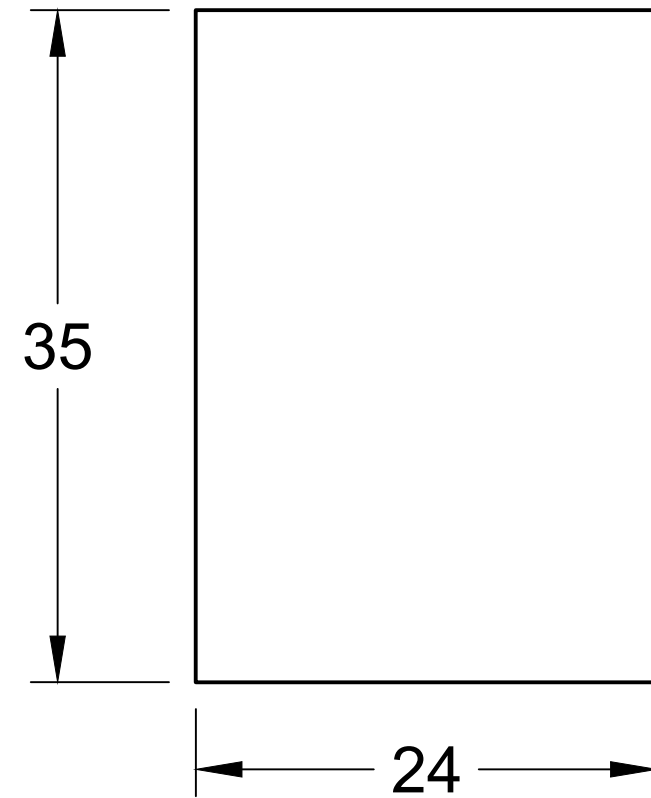
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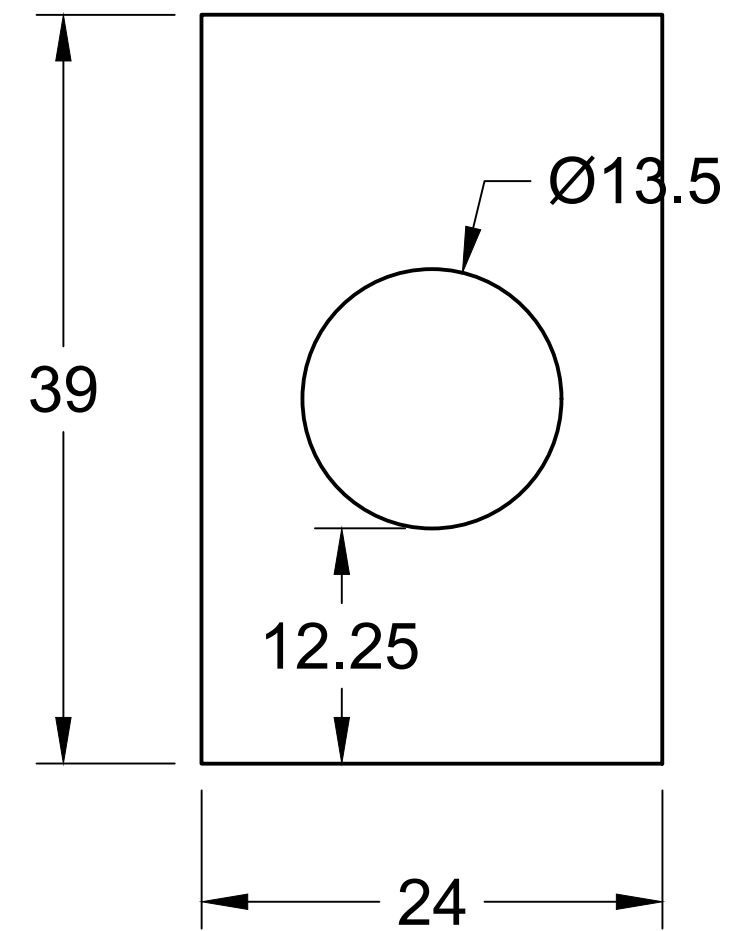
Dome Sides (x2)



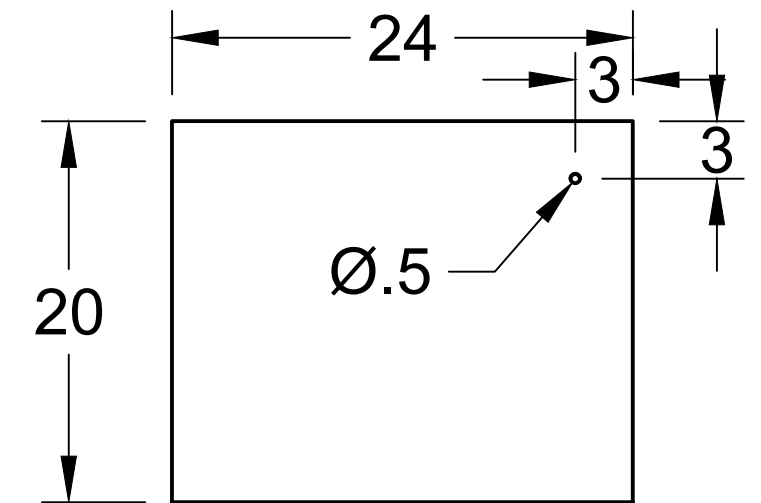
Dome Front



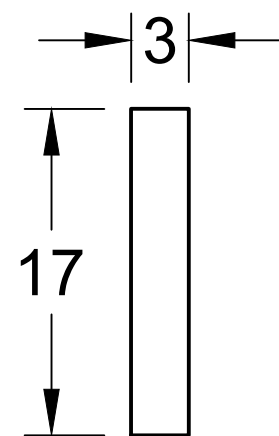
Dome Back



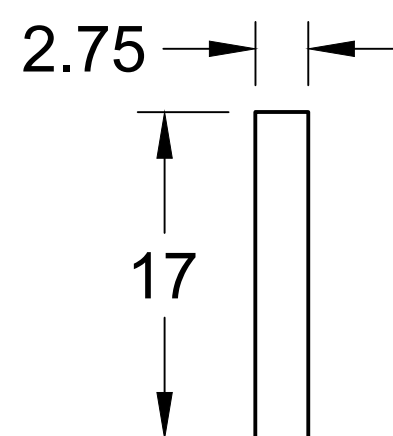
Dome Top



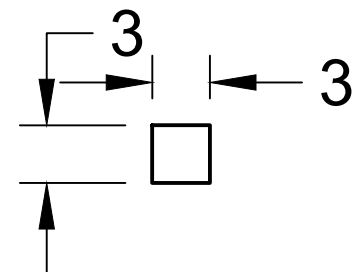
Leg Fronts (x4)



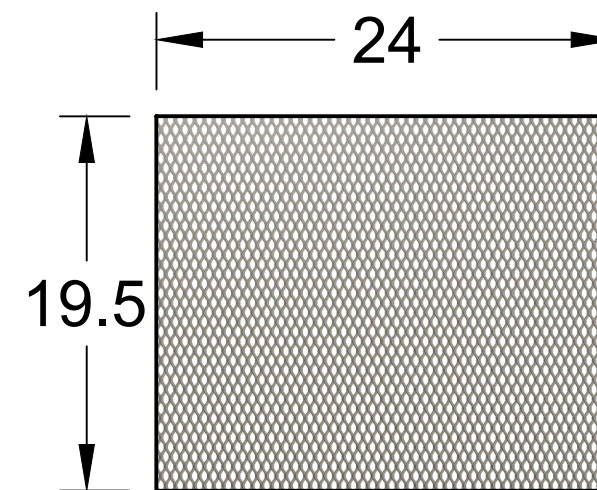
Leg Sides (x4)



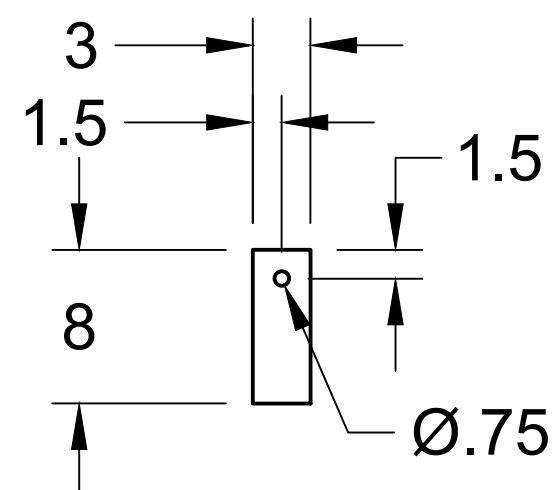
Feet (x4)



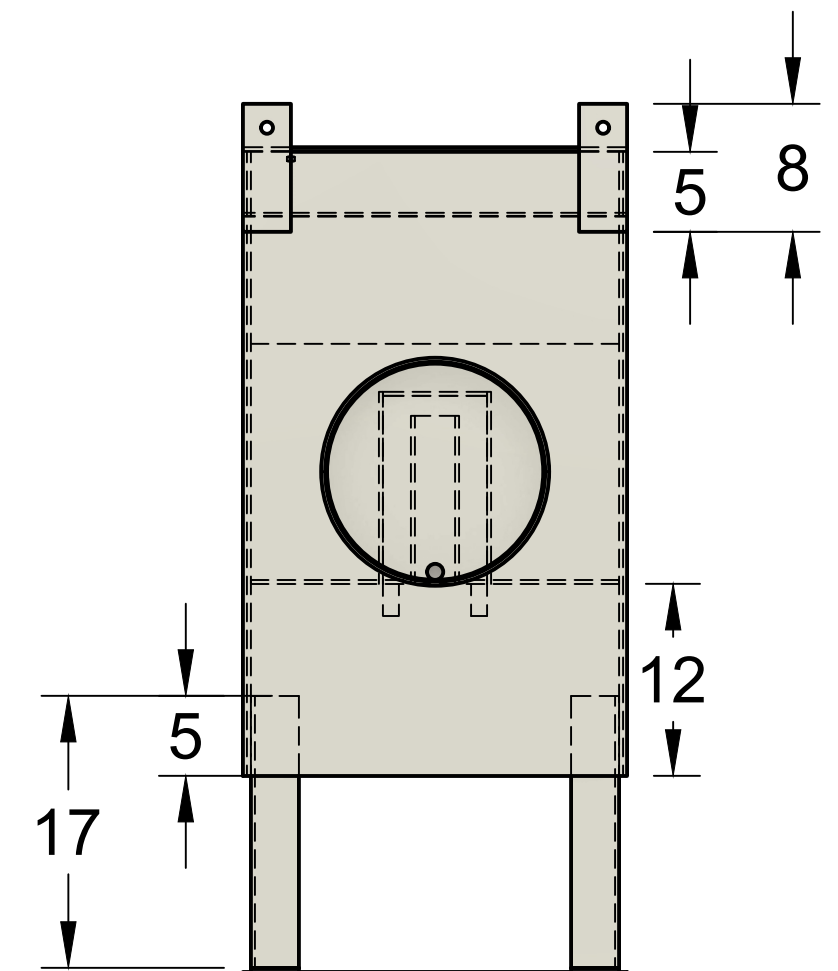
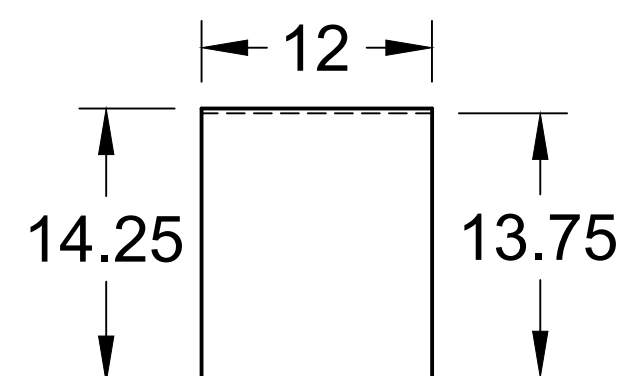
Scour Plate



Wall Anchors



Pipe Stub



HydroDome HD4

Project: Sierra Vista Commons (CDS-2)

Location: East Hampton, MA

Date: 04/24/2025

Scale:

Rev:



4

3

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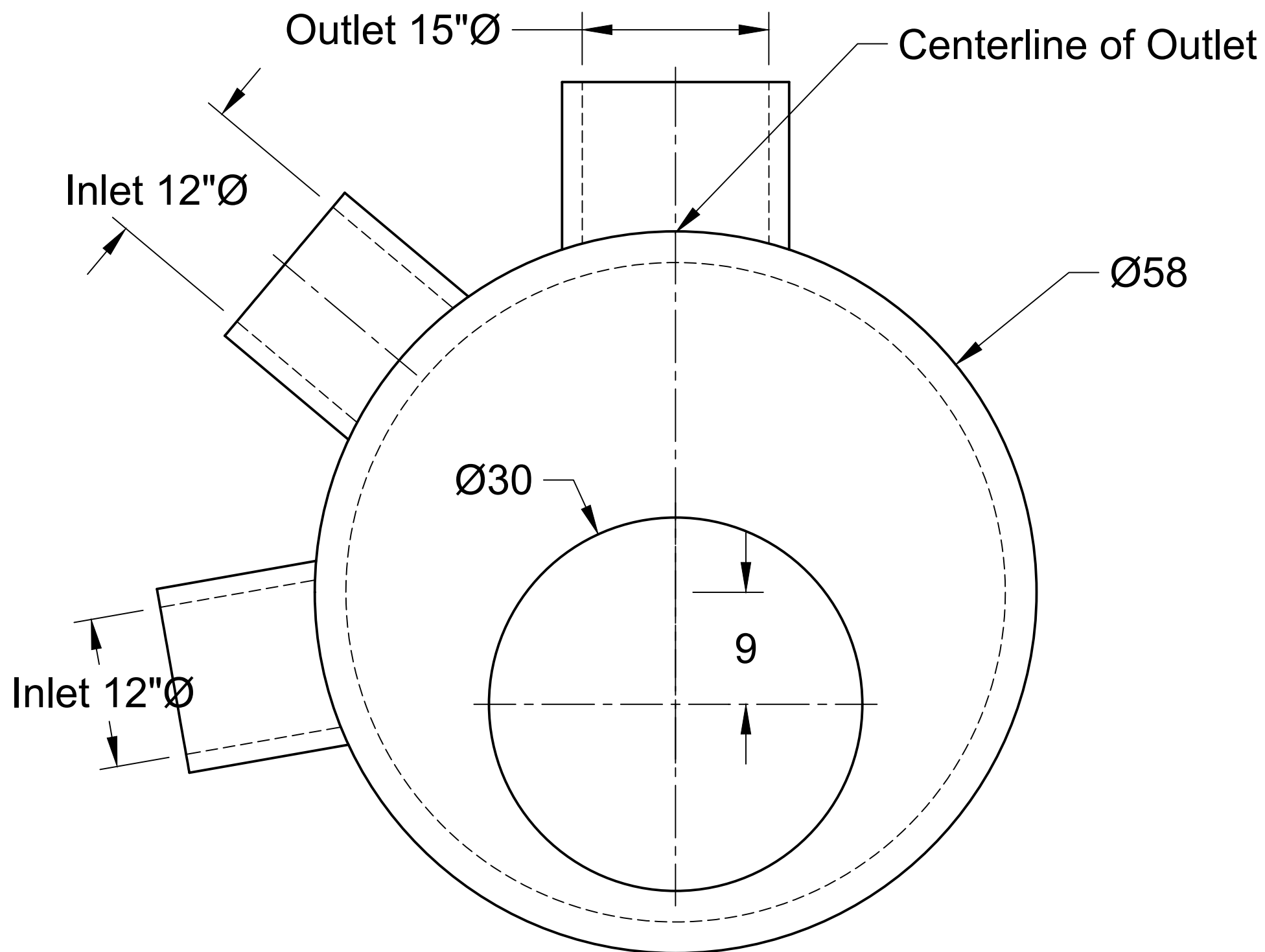
C

B

B

A

A



Access Opening is 30"Ø

Center of access opening is offset 9" from center of top cap.

Draw a line from center of top cap opening, through center of cap, to edge of cap and mark a vertical line on the outside edge of the top cap labeled, "centerline of outlet pipe."

HydroDome HD4

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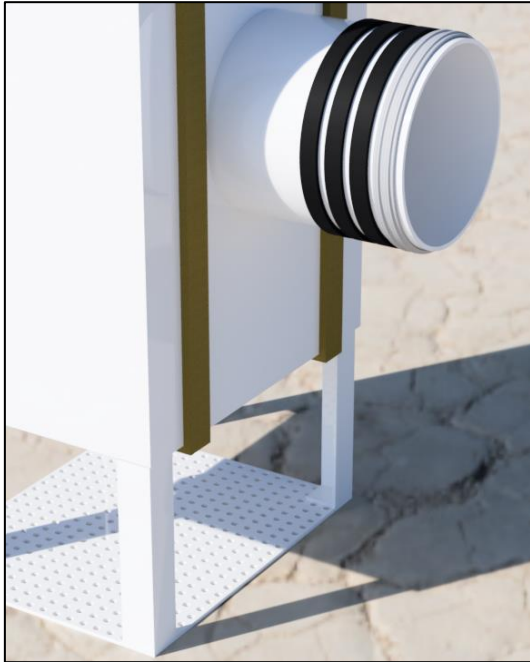




HYDRODOME INSTALLATION INSTRUCTIONS

HYDRODOME CANNOT BE INSTALLED UNTIL THE MANHOLE IS SET AND THE OULTET PIPE IS IN PLACE. THE TOP CAP SHOULD NOT BE PLACED ON THE MANHOLE UNTIL AFTER HYDRODOME INSTALLATION IS COMPLETE. HYDRODOME SHOULD ONLY BE LIFTED BY PASSING TWO LIFTING STRAPS UNDER THE UNIT, ABOVE THE PERFORATED PLATE.

1.



Apply two generous beads of Pro-Seal34 caulk around the outlet stub of the HydroDome insert directly next to the weather stripping furthest from the back of the HydroDome.



2.



Lower the HydroDome so that the outlet pipe stub is level with the outlet pipe of the manhole.

3.



Gently slide the HydroDome outlet stub into the manhole outlet as far as possible without forcing it, until the HydroDome insert is close to the wall.

4.



Drill 0.5" holes, no more than 3" into the manhole wall, through the holes in the attachment tabs. Tabs may be on the top and/or sides of the HydroDome. Only two holes for anchor bolts are necessary. Avoid drilling into precast joints.

5.



Use the supplied stainless steel concrete anchor bolts, washers and nuts to fasten the HydroDome flanges to the structure wall. STOP TIGHTENING AS SOON AS BOLT MEETS PLASTIC. **DO NOT OVERTIGHTEN.**