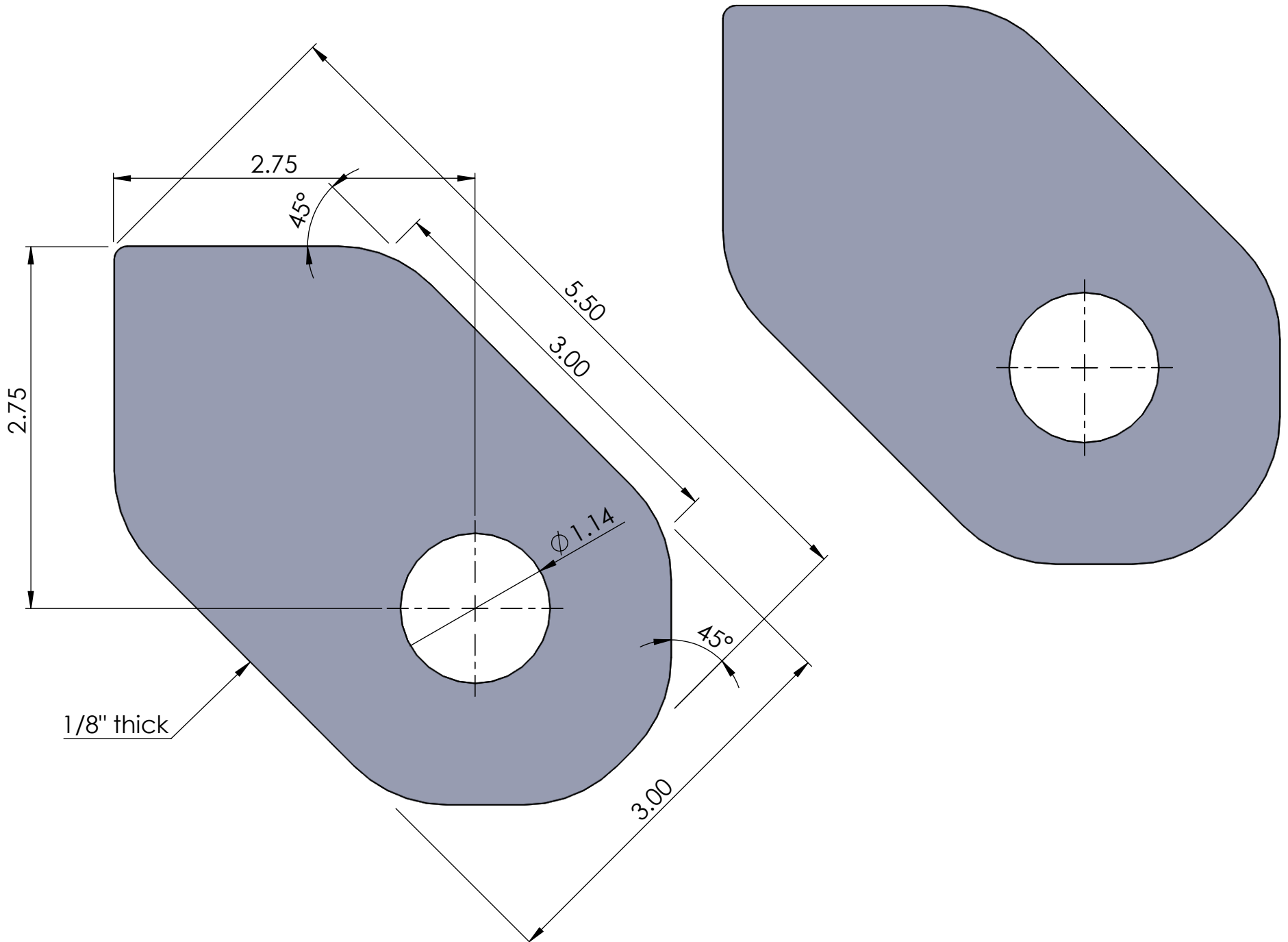
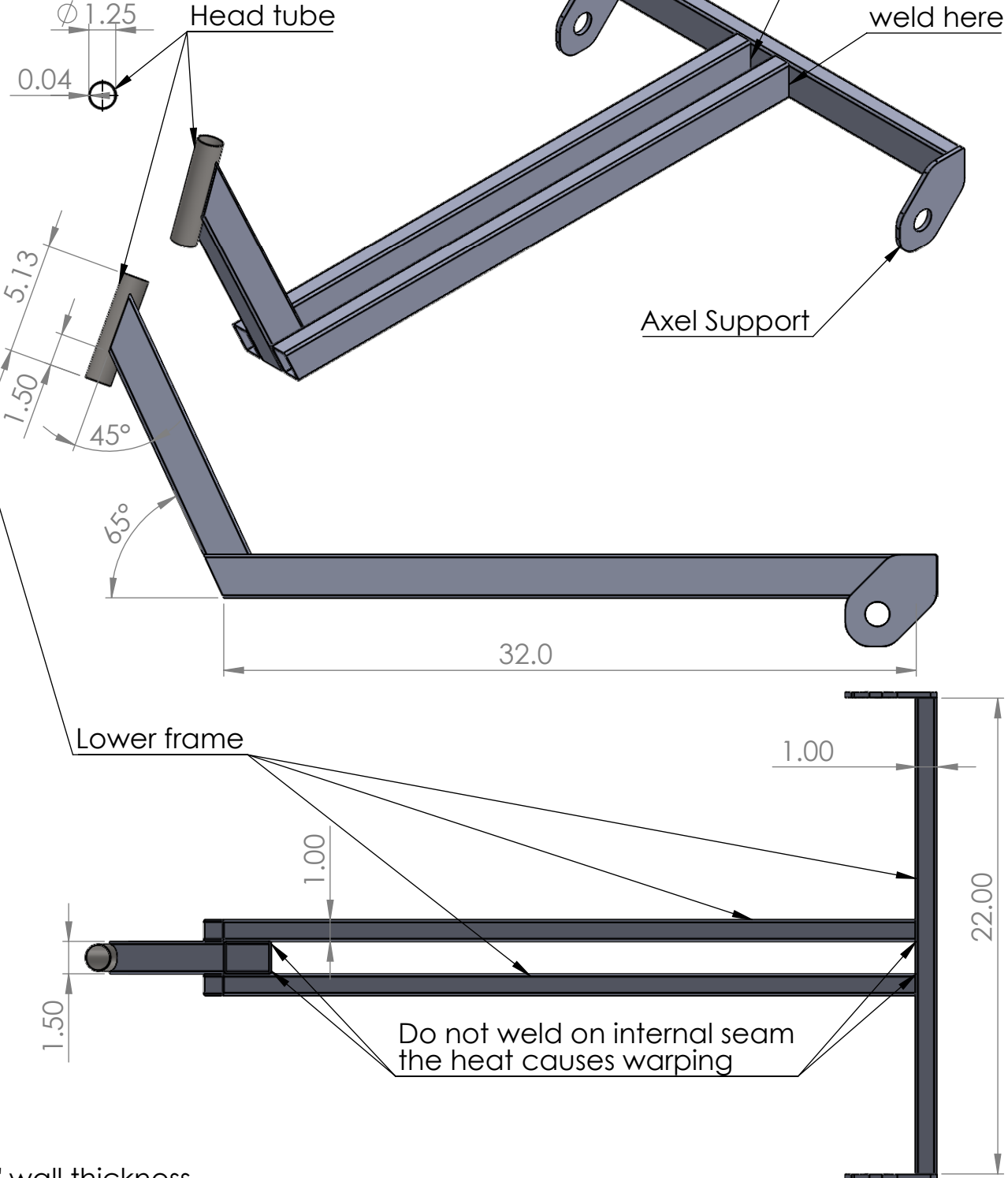
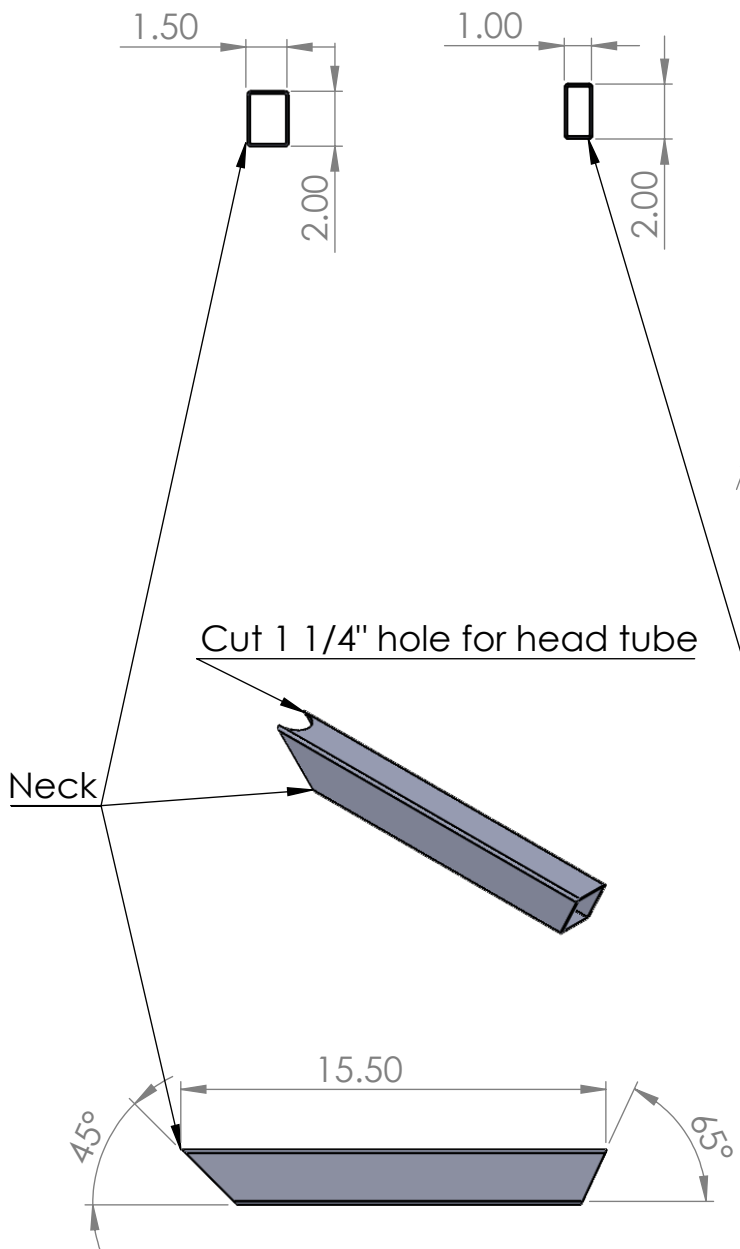


Axel Support  
best cut on CNC  
cut 2x



This page is 1:1 scale when printed on an 8.5" by 11" peice of paper

Frame



Cut 1 1/4" hole for head tube

Don't weld here

weld here

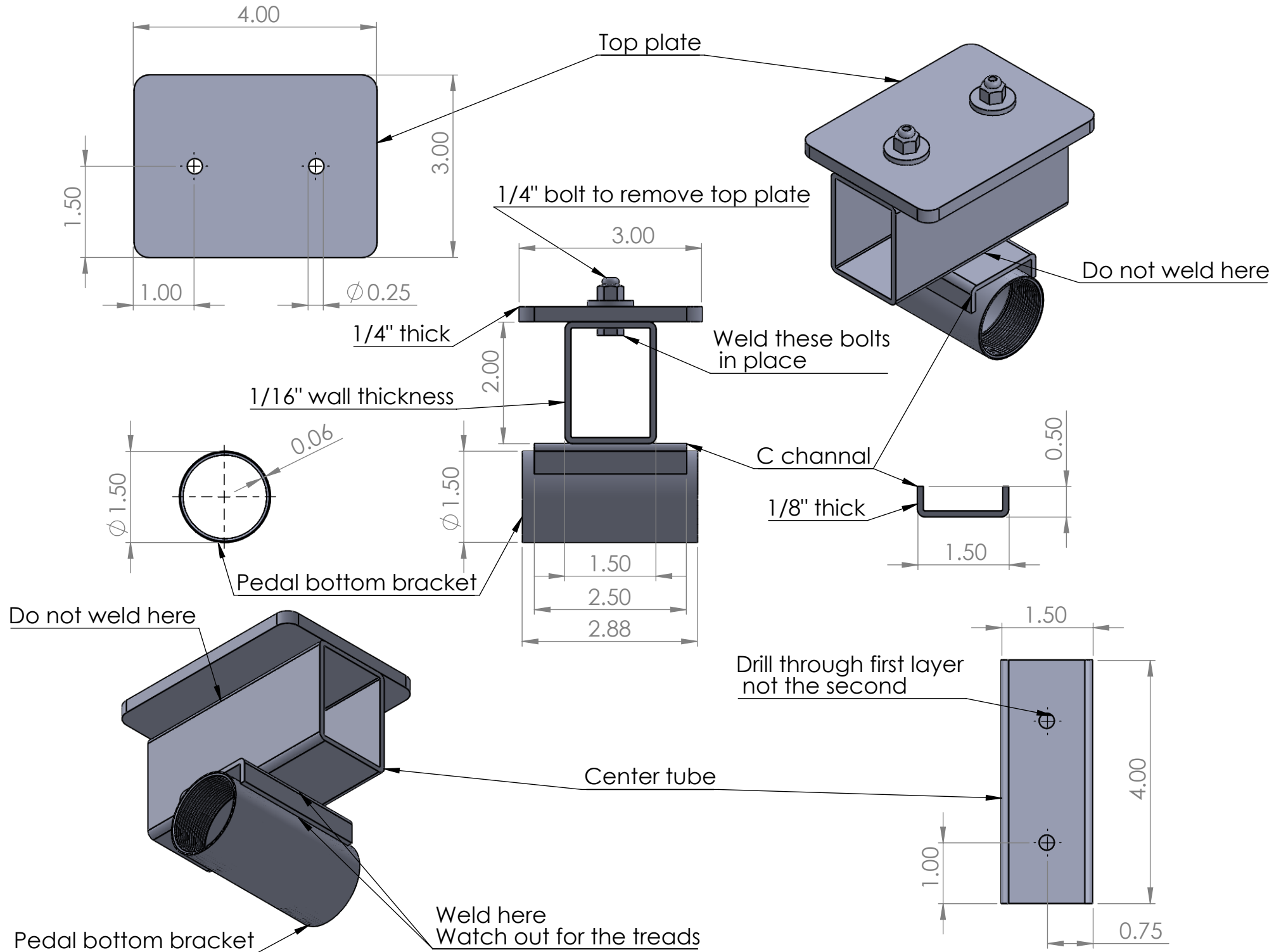
Axel Support

Lower frame

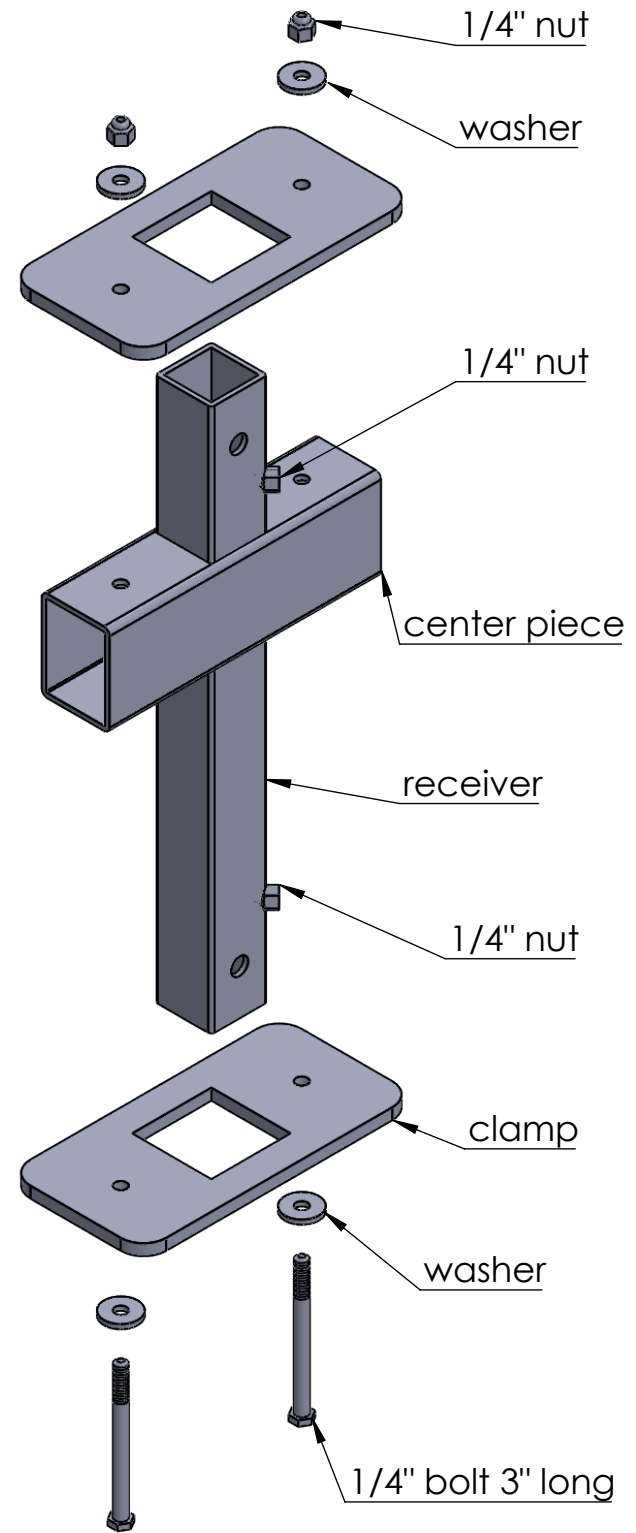
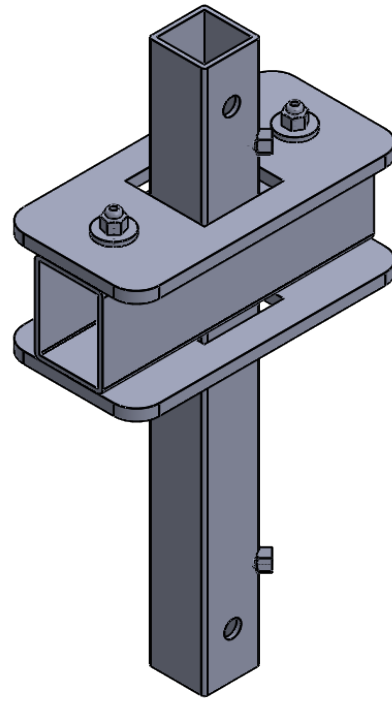
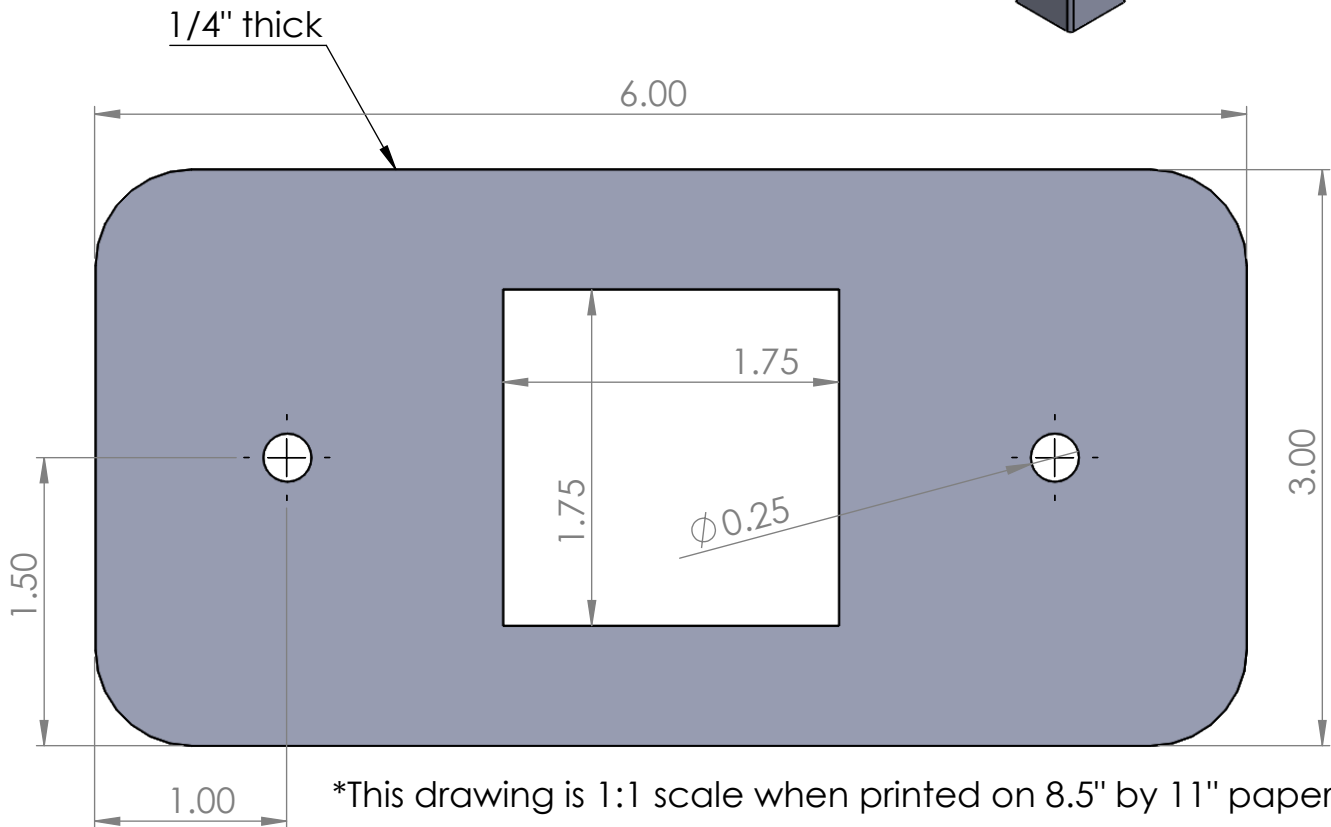
Do not weld on internal seam  
the heat causes warping

\*All metal except for the head tube is 1/16" wall thickness

# Pedal Housing

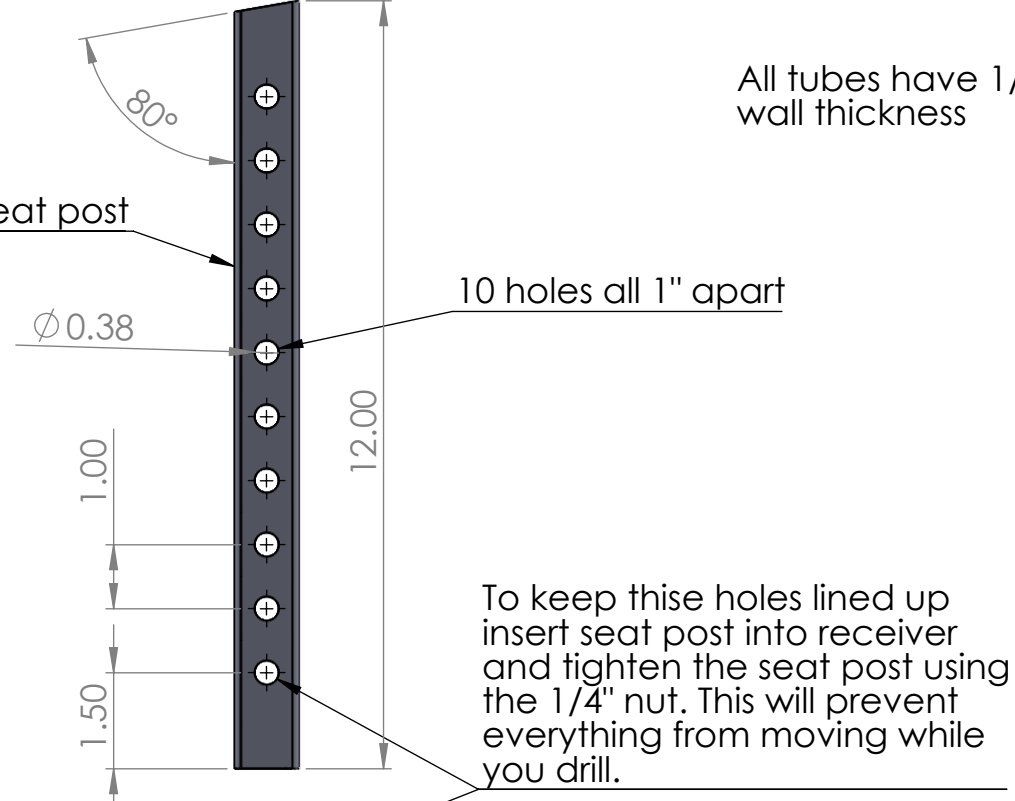
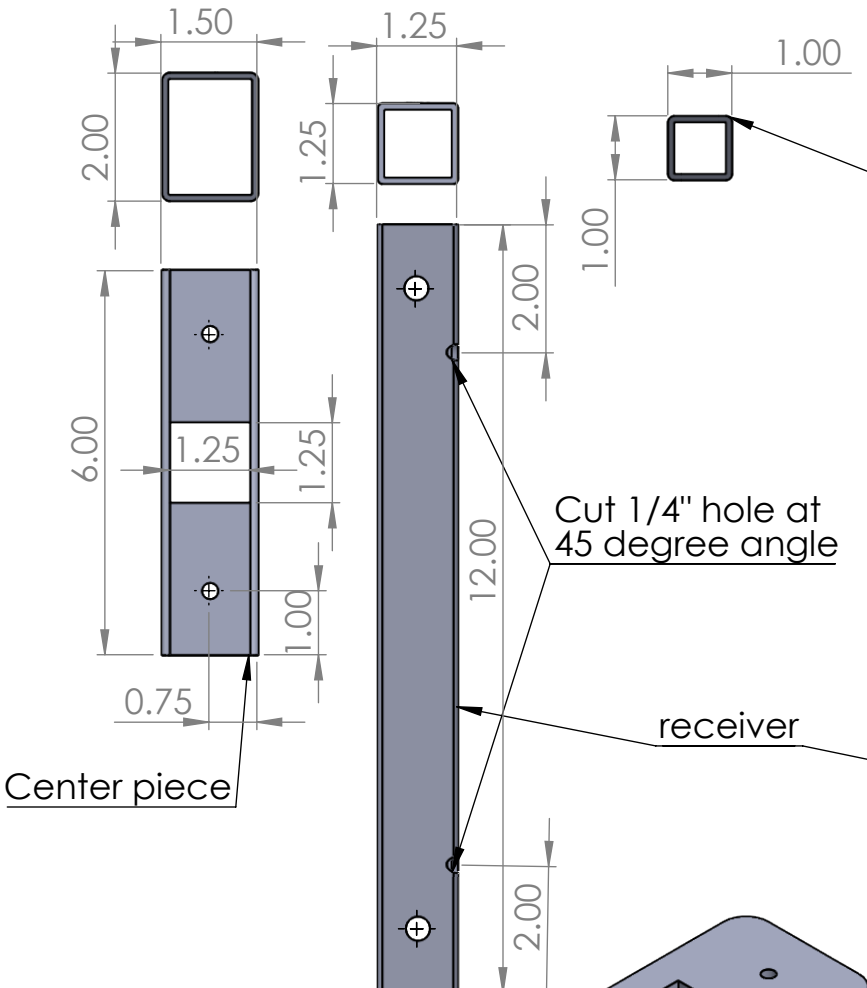


# Seat Post Receiver



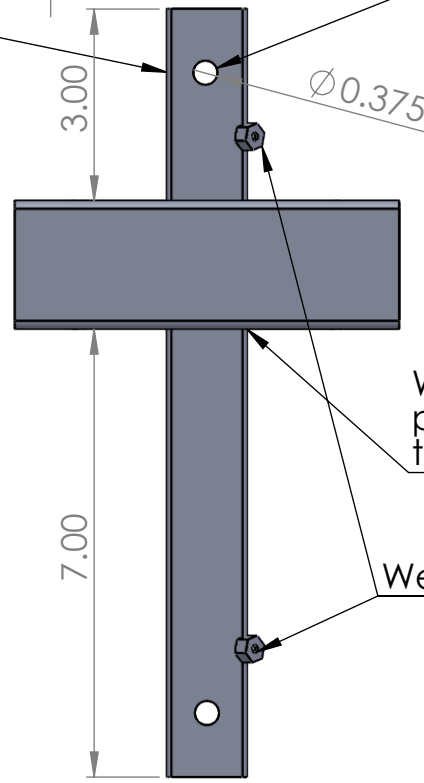
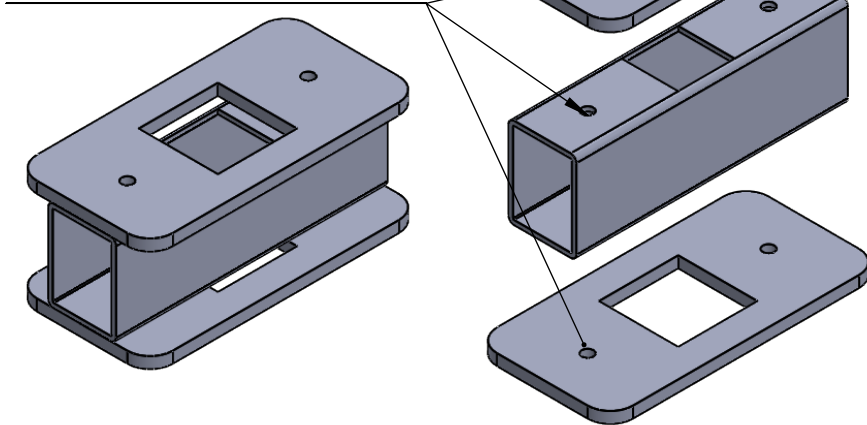
# Seat Post Receiver pt2

All tubes have 1/16" wall thickness



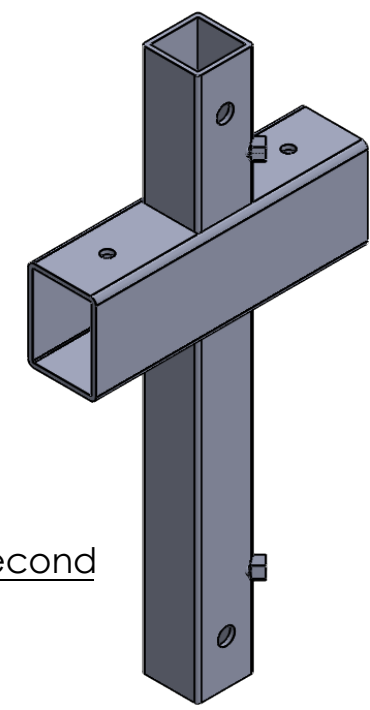
To keep these holes lined up insert seat post into receiver and tighten the seat post using the 1/4" nut. This will prevent everything from moving while you drill.

These holes are best cut before the receiver is welded on



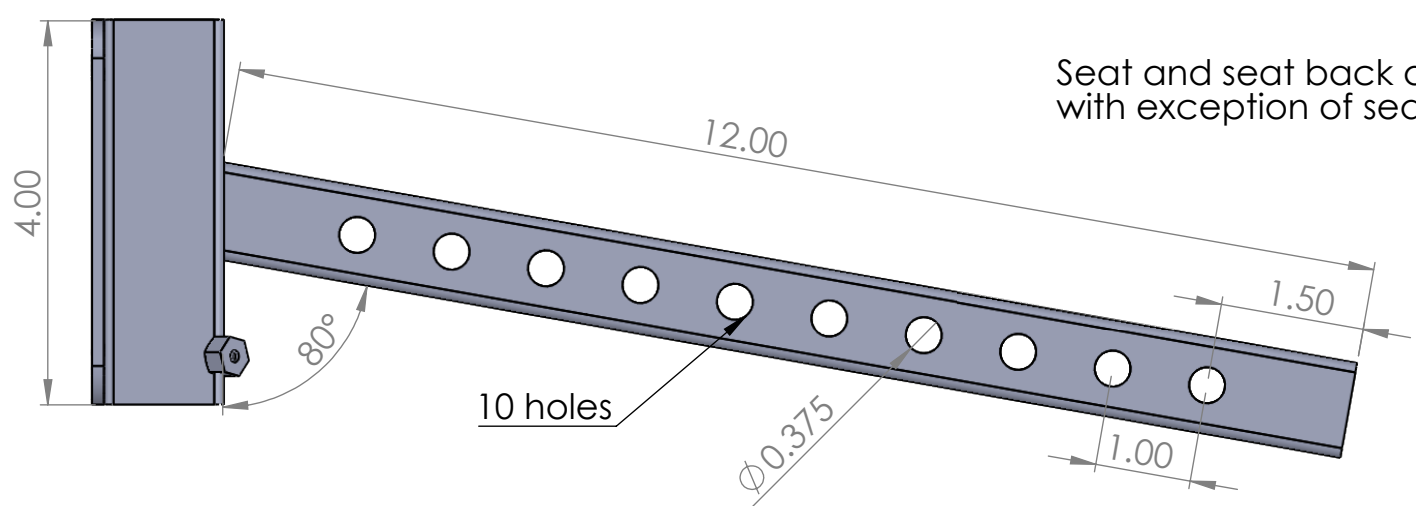
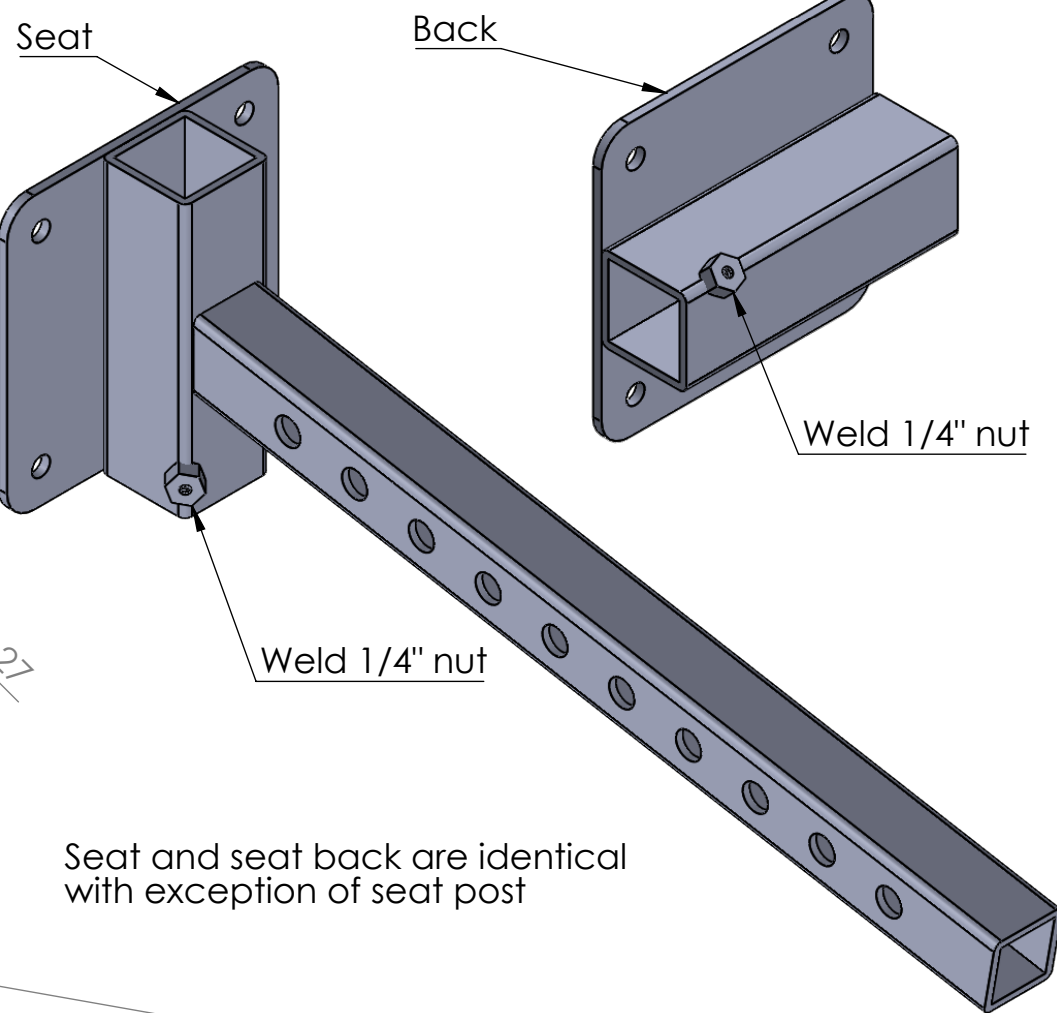
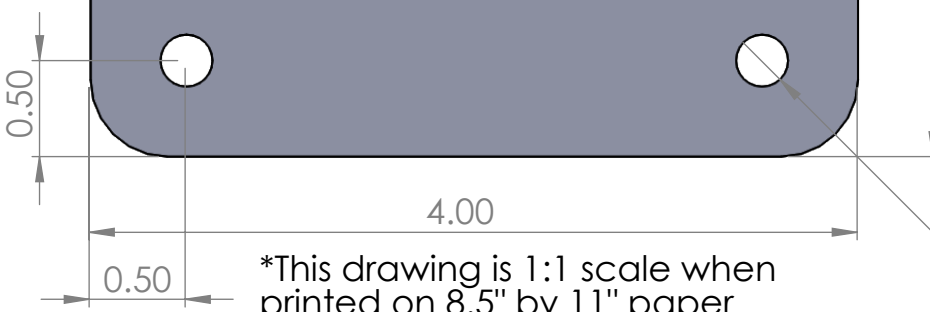
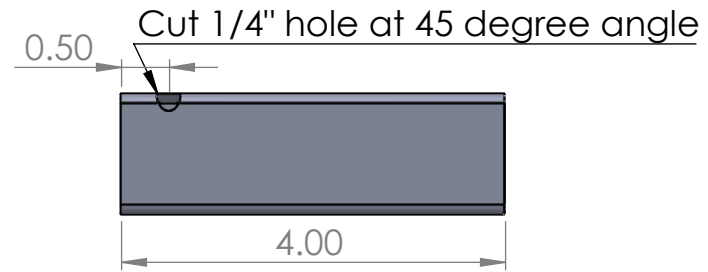
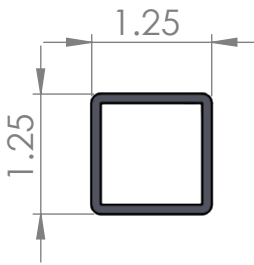
Weld the center piece on before the nuts

Weld 1/4" nuts on second



Seat and Back

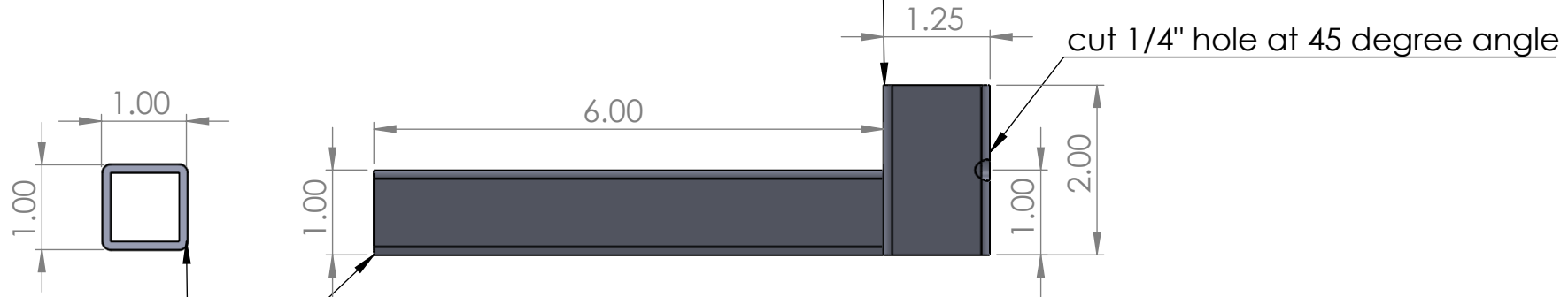
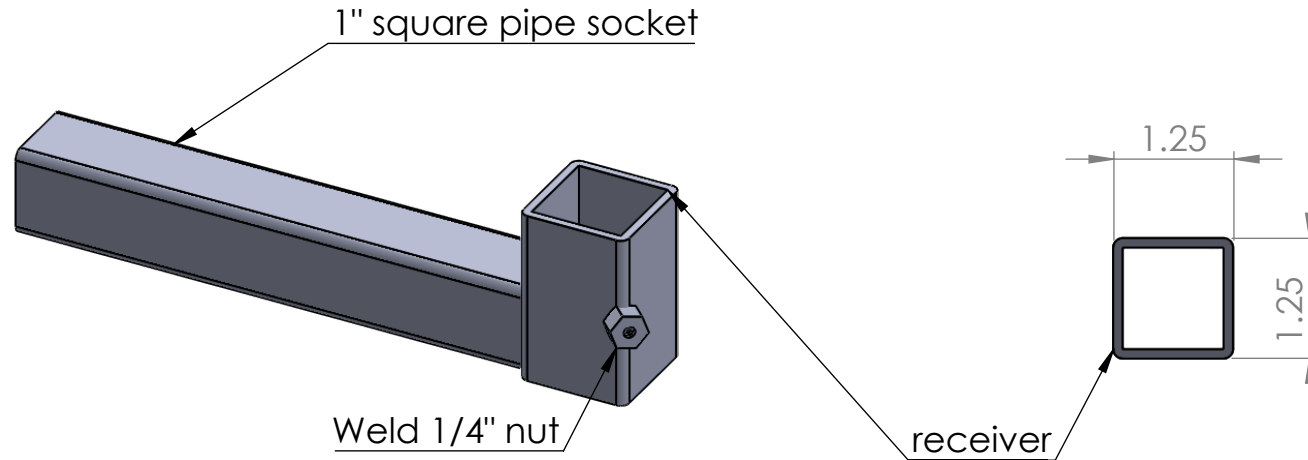
1/8" thick



Seat and seat back are identical with exception of seat post

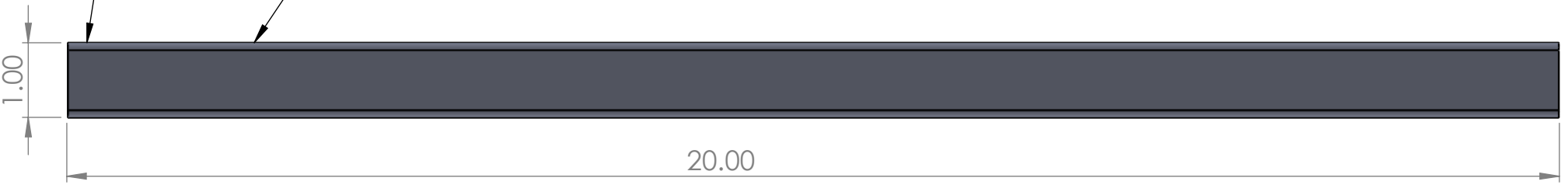
All tubes have 1/16" wall thickness

# Elbow and Back Support

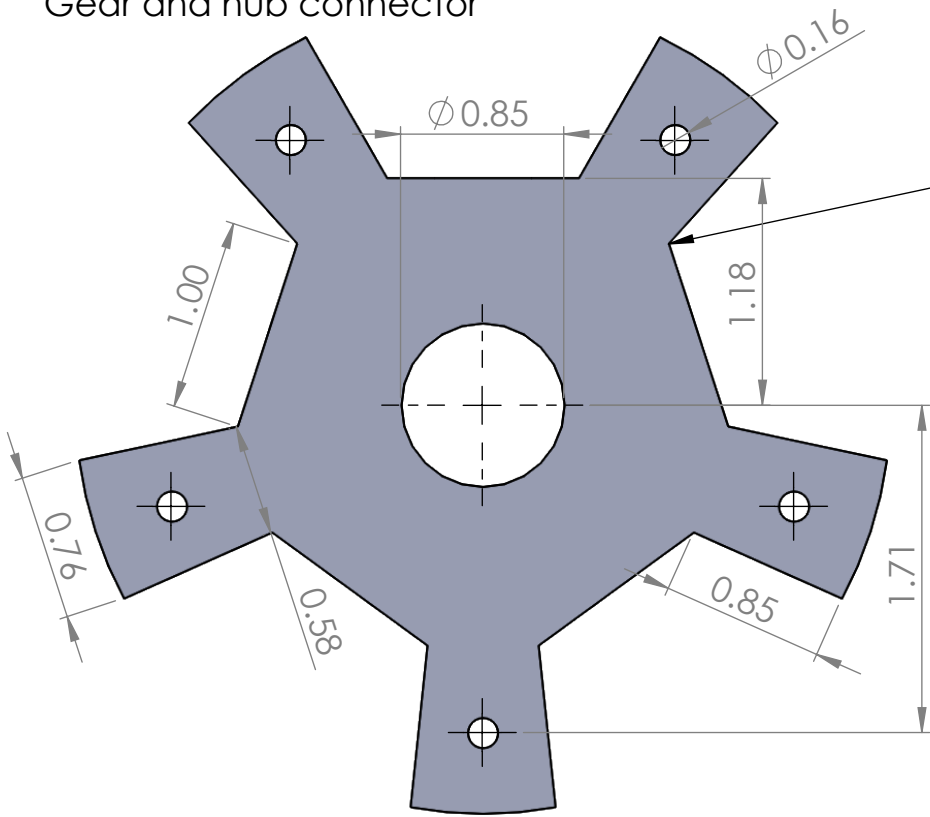


1" square pipe socket

The length of the back support is not important but 20" accommodates a headrest if needed.

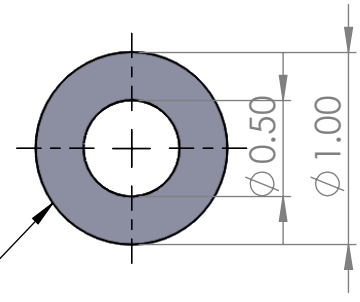
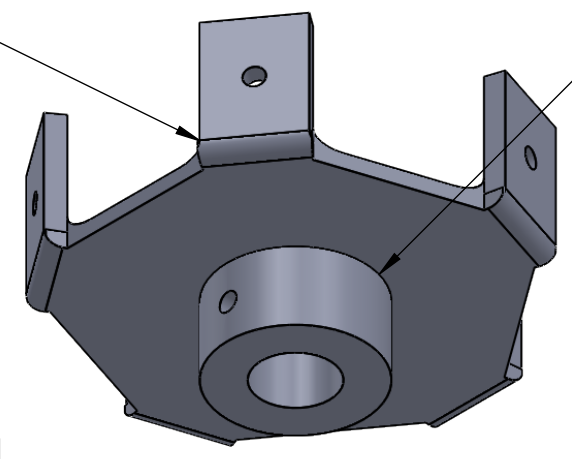


# Gear and hub connector



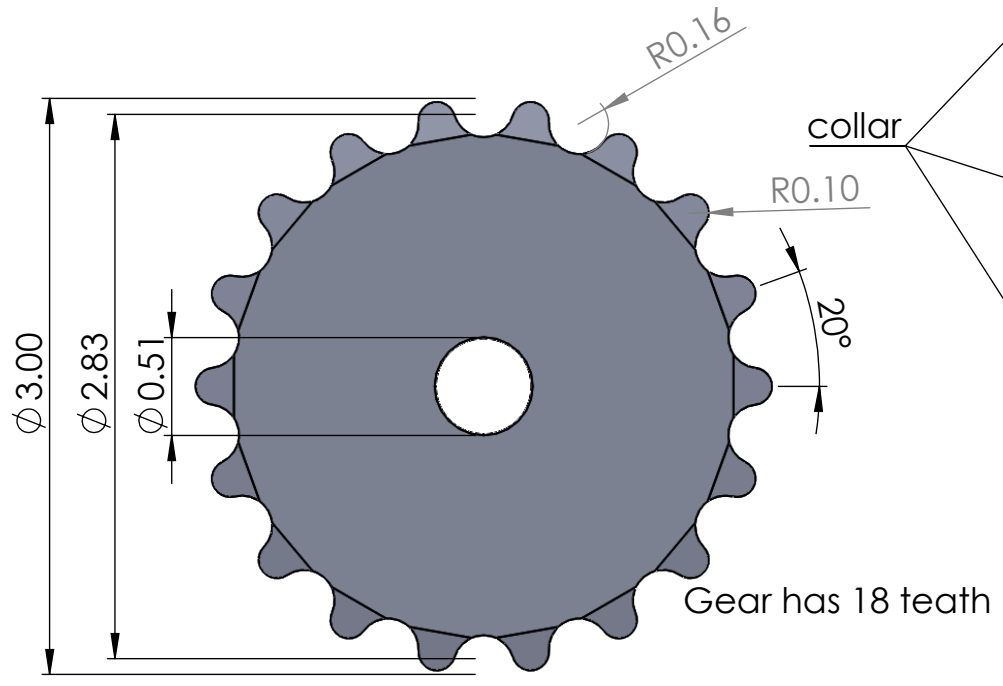
Weld collar on to plate.  
It is easiest to place the folded hub, wheel, and collar on the axel before welding to get everything lined up.

bend fins to 90 degrees



Weld on collar

Grind teeth to somewhat of a point  
leave the tough of the gear the original thickness



collar

