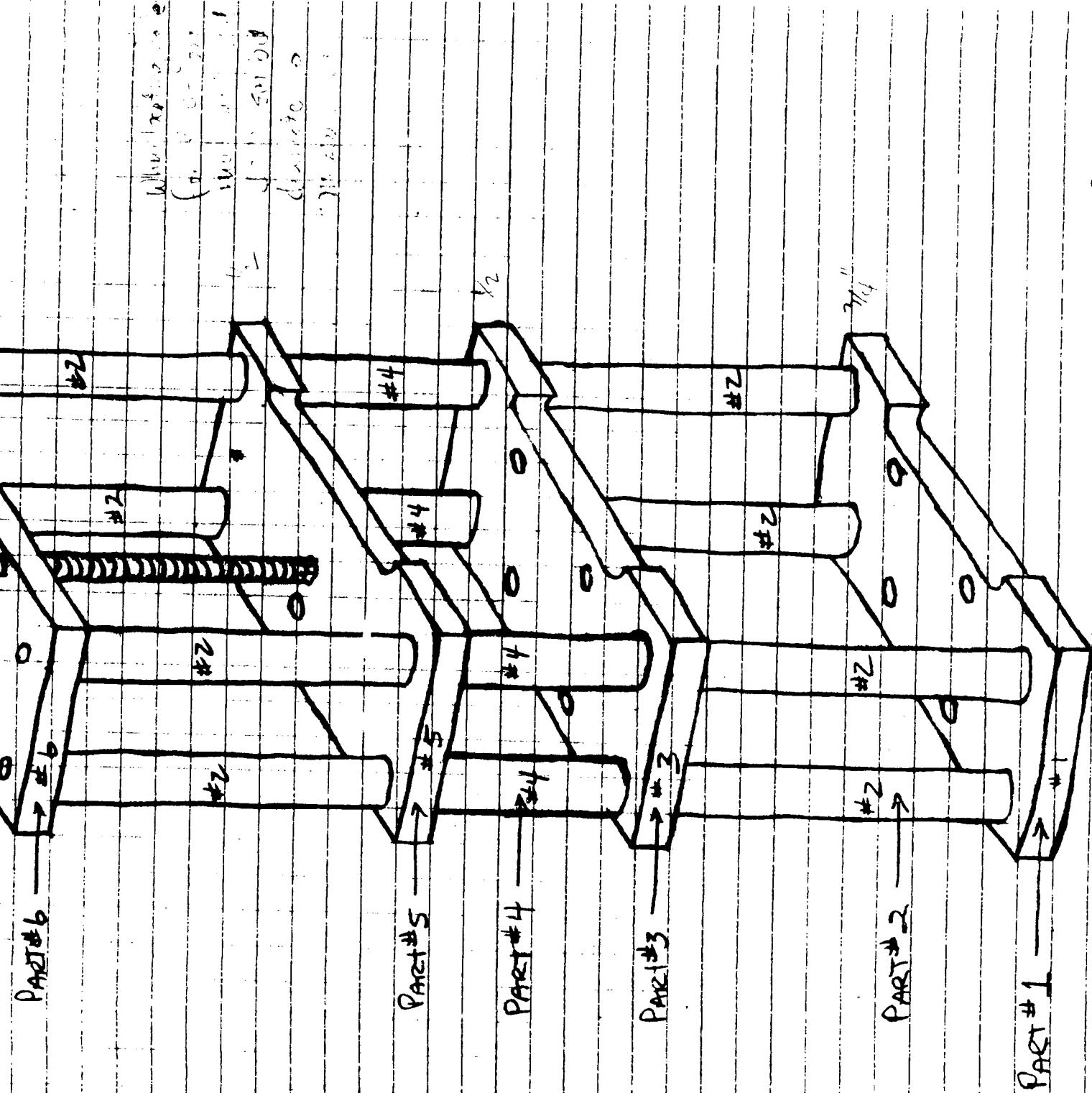
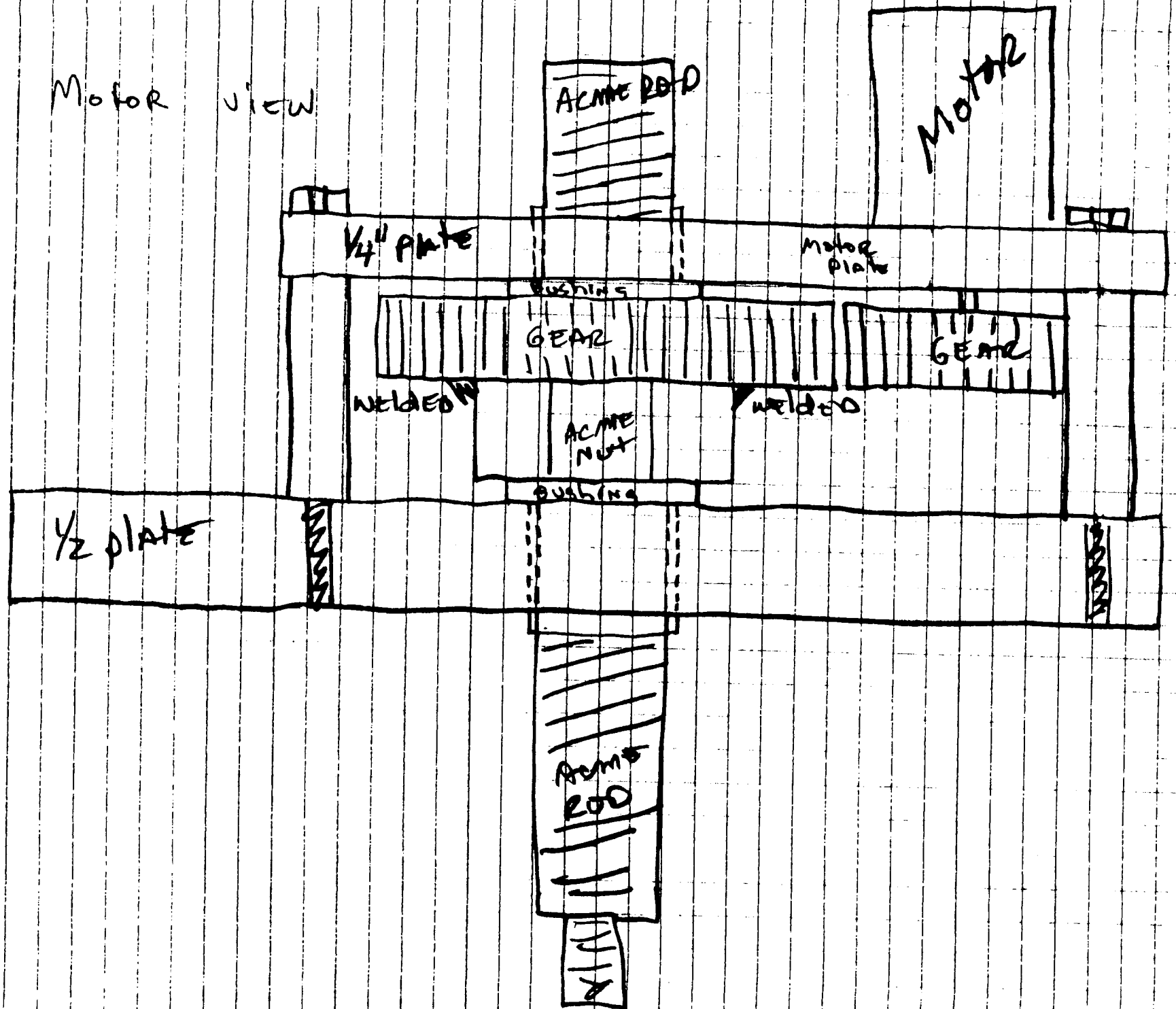
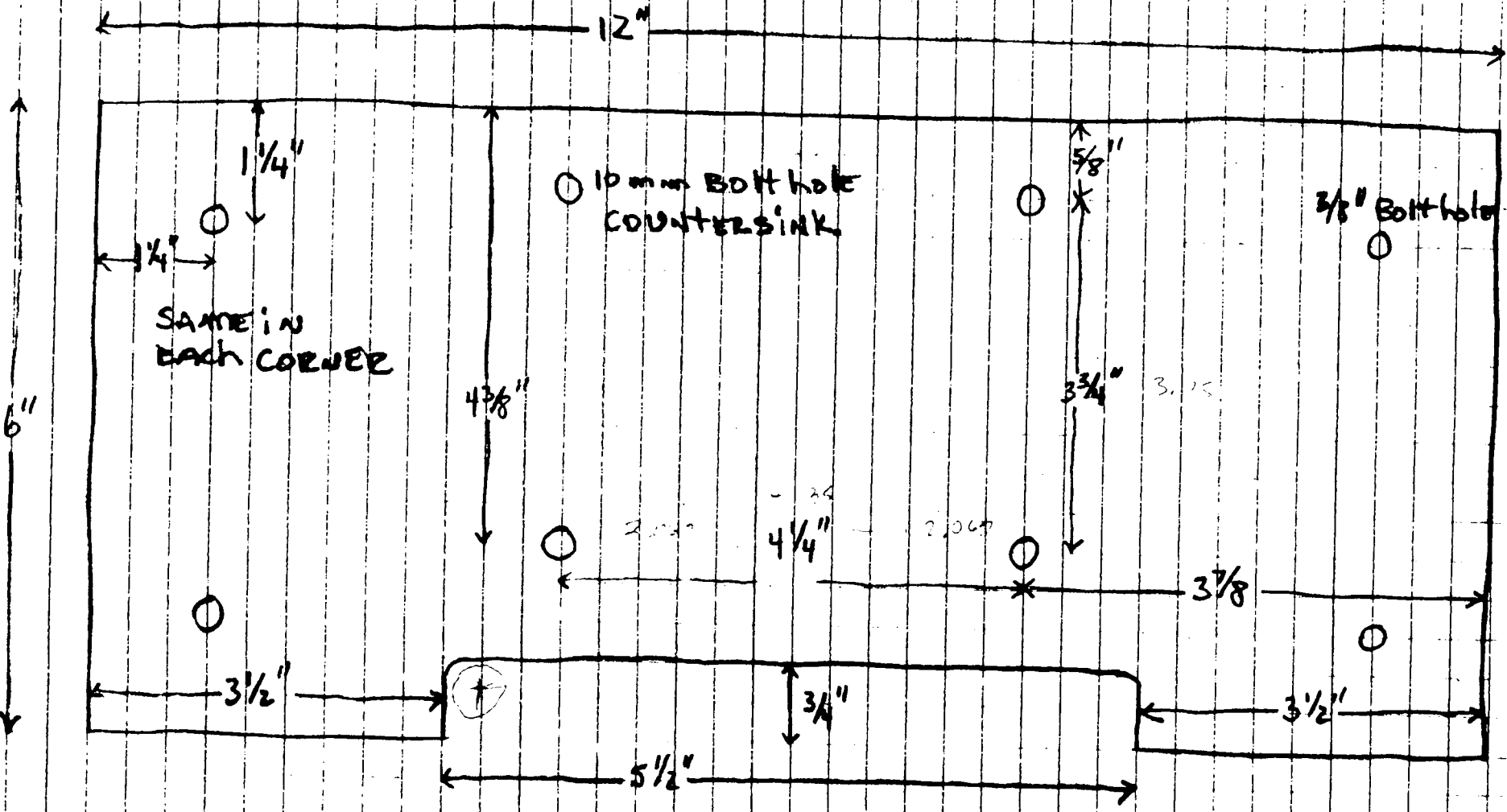


DRIVE GEARS
 UNDER TOP
 PLATE
 PART # 10
 PART # 7
 PART # 8
 PART # 9



Left Motor view





1) Drill 4 - 3/8" Bolt holes in each corner 1/4" in from each side

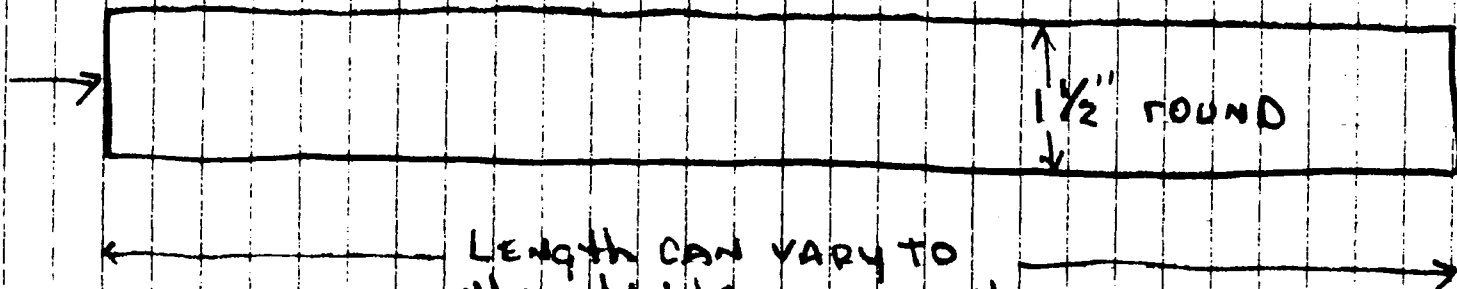
A) For main columns

2) Drill 4 - 10mm Bolt holes in center

A) To Bolt lift to shop task - verify your Bolt

PART # 2 1 1/2" solid round

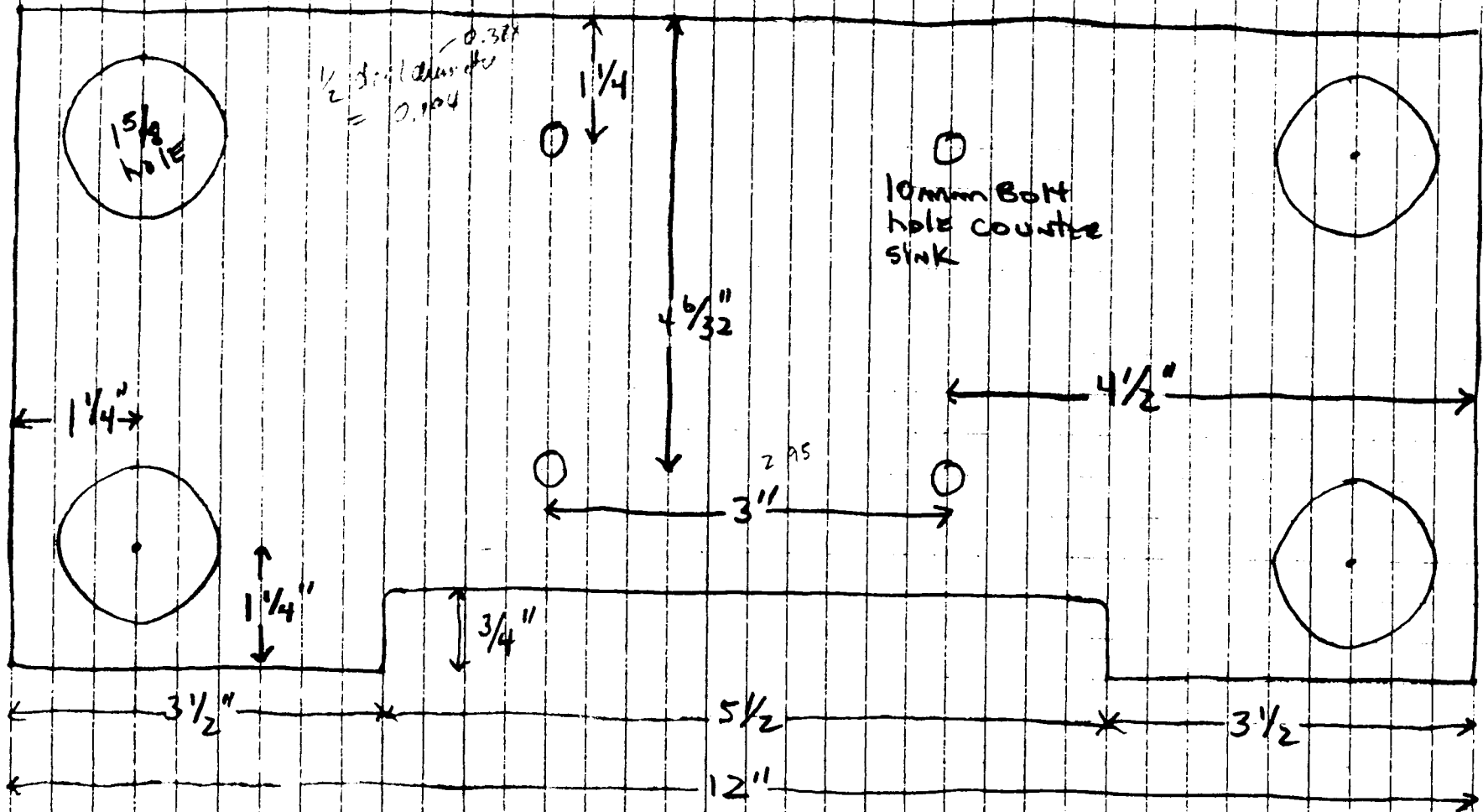
DRILL AND TAP FOR 3/8" BOLT



LENGTH CAN VARY TO THE HEIGHT YOU WANT 1 FT TO 7 FT. MINE IS 27". I WOULD SUGGEST 20". I NEVER RAISE 1 FT ALL THE WAY UP

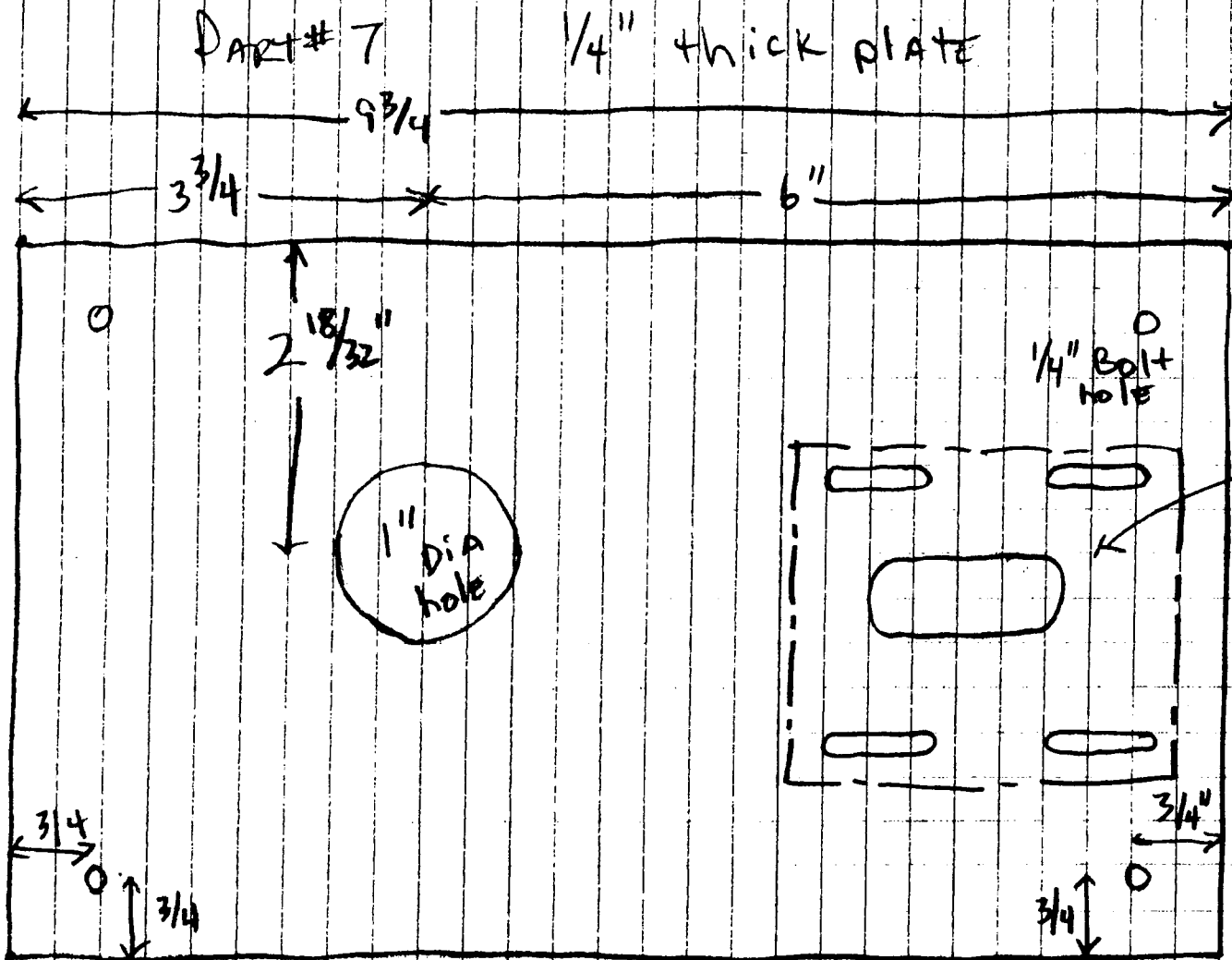
DRILL AND TAP FOR 3/8" BOLT

- 1.) DRILL AND TAP 3/8" HOLE IN EACH END OF ROUND.
A.) MUST BE IN CENTER
- 2.) ENDS MUST BE CUT OFF SQUARE
- 3.) MAKE 4 OF THESE



1) Drill/machine 1 5/8" HOLE IN EACH CORNER - IS 1 1/4 FROM EACH SIDE

2) Drill 4 10mm holes & COUNTERSINK TO MOUNT MILL HEAD - VARY YOUR BOLT PATTERN.

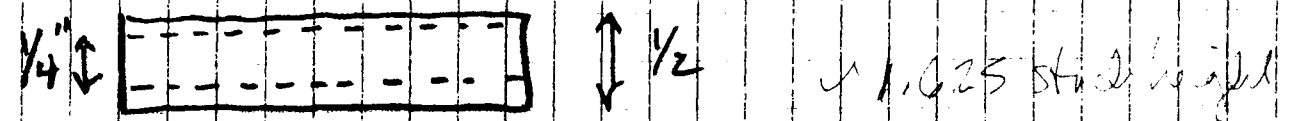


This hole pattern
is for motor
this will vary
with your own
motor setup

- Drill 1/4" hole in all 4 corners 3/4" from each side
- Drill/machine 1" hole from acme to D Bushing
- Do not draw out measurements for motor mount holes, you will have to measure for your own motor.

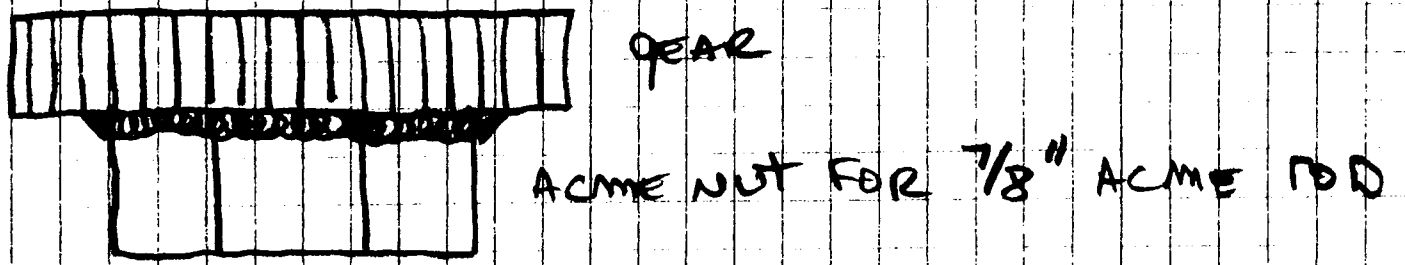
PART # 8

1/2 TUBING with 1/4 INSIDE DIA.



← length →
will BE = to GEAR + ACME NUT + 2 Bushing height

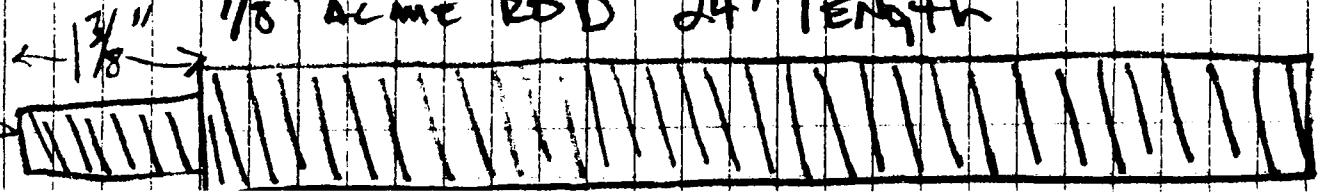
PART # 9



- A) machine 7/8" center hole in gear
- B) WELD NUT to gear

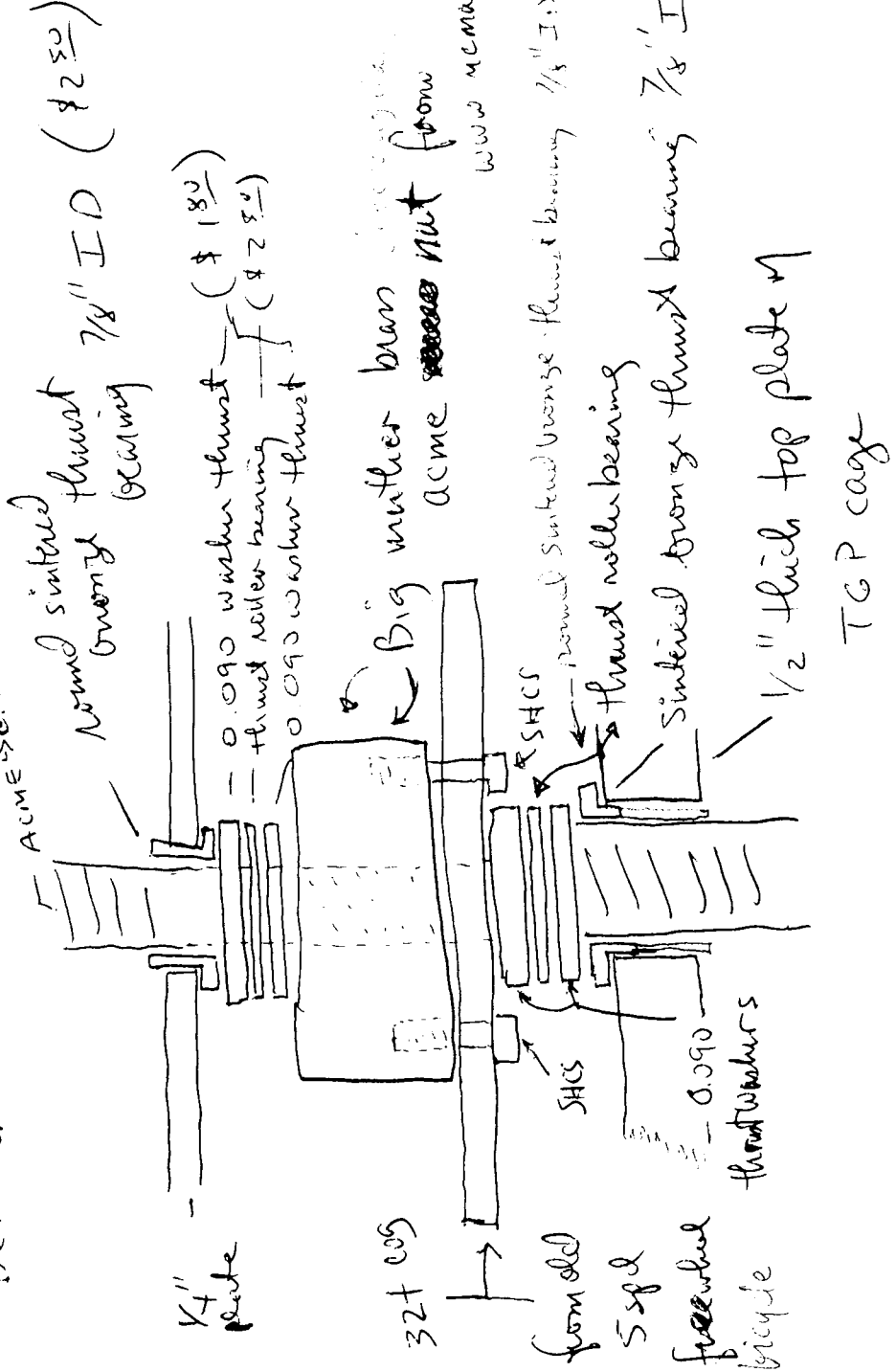
PART # 10

7/8" ACME ROD 24" length



TORN DOWN TO 1/2" AND CUT 1/2" COURSE

Detail on drive Section



1/4" plate

321 009

from old
5 spd
freewheel
bicycle

1/2" thick top plate of
TGP cage