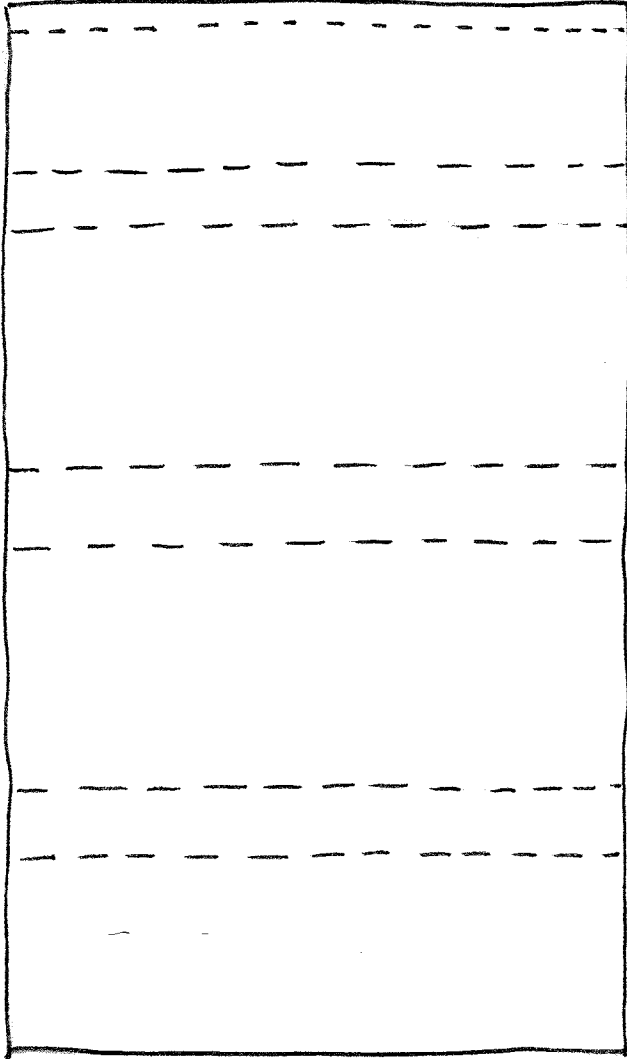


CUT 3 PIECES TO MATCH YOUR CENTER-SECTION PROFILE BUT ALLOW A  $\frac{3}{4}$ " FLANGE ALL AROUND.

BEND THE FLANGE TO  $90^\circ$ . MAKE SURE TO BEND ONE "LEFT" & TWO "RIGHT" SO YOU HAVE A CAP FOR EACH END & ONE FOR A CENTRAL Baffle.



CUT A SHEET THAT WILL WRAP AROUND THE CIRCUMFERENCE OF THE END PIECES & ALLOW A  $\frac{3}{4}$ " OVERLAP FOR THE SEAM. CUT IT WIDE ENOUGH TO FIT IN THE TANK COMPARTMENT & ADD  $\frac{3}{4}$ " ON EACH SIDE FOR FLANGES.

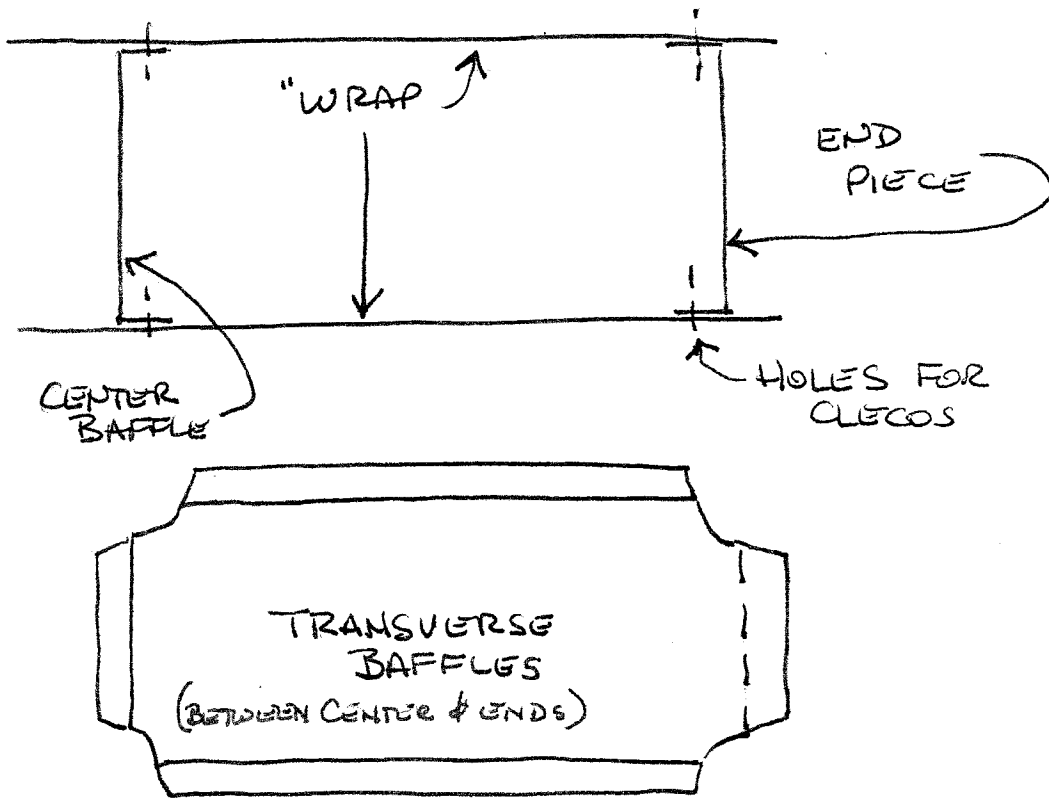
BEND THIS "WRAP" PIECE BY CLAMPING IT BETWEEN BOARDS & BENDING THE SHALLOW BREAKS BY HAND & THE TIGHTER ONES BY TAPPING WITH A RUBBER Mallet.

ONE SHEET OF 26 GA. GALVANIZED DUCT MATERIAL FROM A LOCAL HEATING/AIR-CONDITIONING SHOP IS PLENTY FOR ONE TANK.

THE REALLY COOL THING ABOUT THIS STUFF IS HOW EASY IT IS TO WORK & NO RADIIUS ALLOWANCE (S NEEDED)!

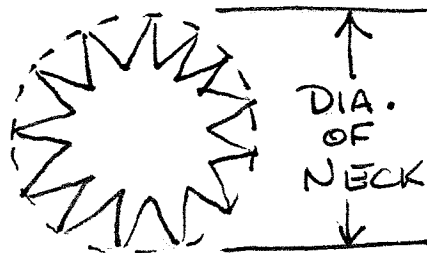
(1)

BEND THE "WRAP" PIECE AROUND THE BAFFLE & THE TWO END PIECES. ADD TRANSVERSE BAFFLES & DRILL ALIGNMENT HOLES FOR CLECOS.



NOW YOU HAVE A BIG METAL BOX !!

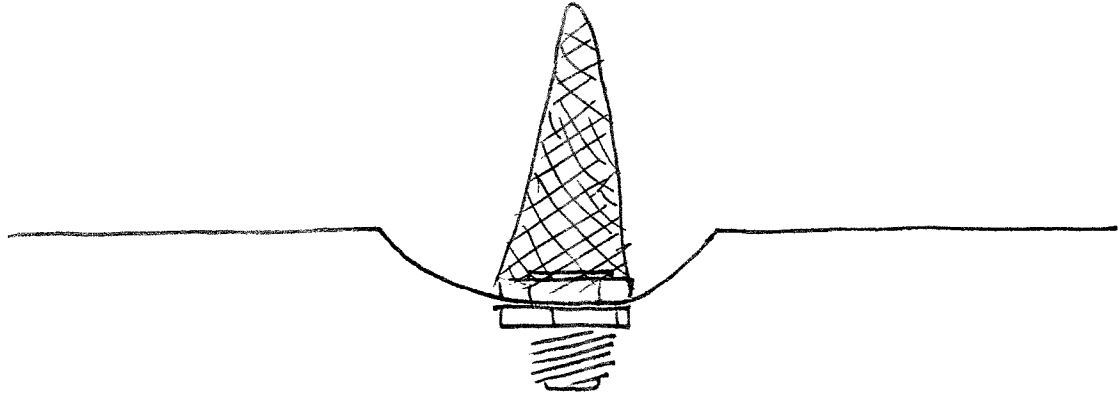
MOUNT THE FILLER NECK BY CUTTING OUT A HOLE THIS:



BEND THE EARS UP, INSERT THE NECK & TAP THE EARS TIGHTLY AGAINST THE NECK.

I BOUGHT THE FILLER NECK FROM AIRCRAFT SPRUCE. ALL OTHER FITTINGS ARE FROM THE PLUMBING SHOP.

FOR THE OUTLET, I POUNDED A SHALLOW SUMP ABOUT 2" DIA. THEN DRILLED A HOLE FOR THE FITTING. I FOUND A COUPLE OF VERY THIN NUTS THAT I USED TO JAM THE FITTING WITH. THEN I USED BRASS WINDOW SCREEN FORMED INTO A CONE AS A FINGER STRAINER.



THE BIG SECRET TO DOING A FIRST-RATE SOLDERING JOB ON ALL THIS IS MURIATIC ACID. IT'S AVAILABLE AT SWIMMING POOL SUPPLY STORES.

ALSO - USE SOLID SOLDER NO ROSIN OR ACID CORE. THE MURIATIC ACID ACTS AS A FLUX TO CLEAN & PREP THE JOINTS FOR THE SOLDER.

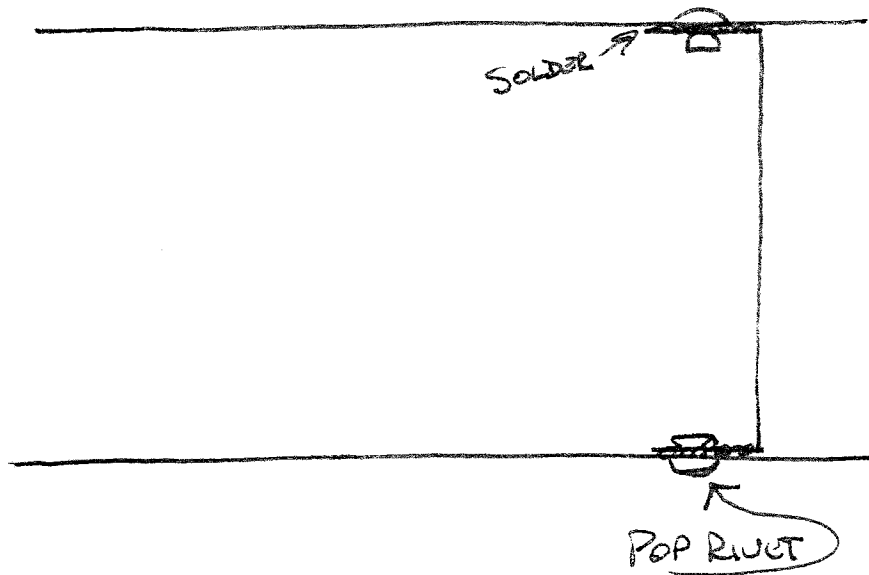
\* CAUTION - THE ACID VAPORS FLOW ALL OVER THE PLACE & WILL CORRODE ANYTHING WITHIN A 3-5 FOOT RADIUS SO HIDE YOUR STEEL PIECES & TOOLS!

ALL THAT'S LEFT TO DO IS REPLACE THE CUECOS WITH STEEL POP RIVETS. BAFFLES & FITTINGS FIRST:

RIVET, SWAB WITH ACID, SOLDER. THEN PUT THE END PIECES IN, RIVET, SWAB, SOLDER.

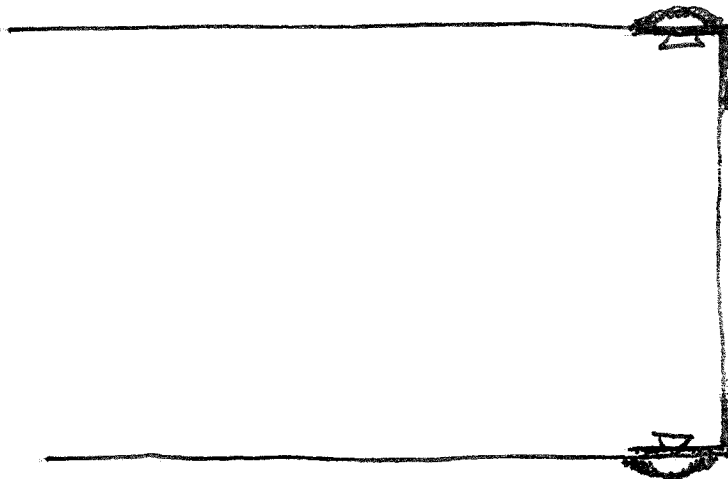
USE A REALLY BIG SOLDERING IRON RATHER THAN A TORCH TO AVOID WARPING THE TANK.

NOW YOUR END PIECES SHOULD LOOK LIKE THIS:



- FINALLY -

BEND OVER THE OUTER FLANGES TO REALLY SEAL THIS THING UP & FLOW A PUDDLE AROUND ALL THE RIVET HEADS.



LEAK CHECK IT, RE-SOLDER ANY LEAKS & SET IT ON YOUR BENCH & ADMIRE IT FOR A WHILE.

ON MY TANK I INSTALLED A FUEL LEVEL/  
SIGHT GAUGE FROM STEVE ELDREDGE'S  
FERTILE MIND. I INCORPORATED A SUMP  
& DRAIN WITH THE GAUGE LIKE THIS:

