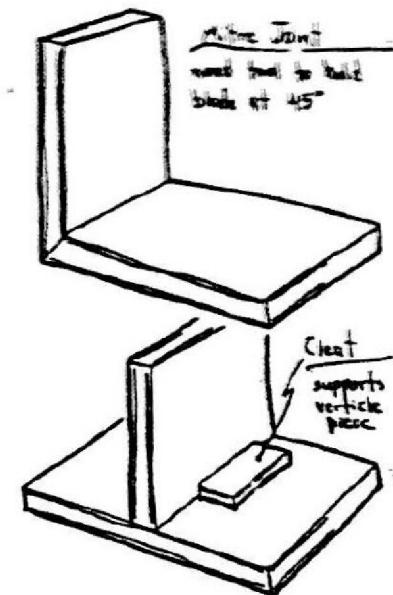
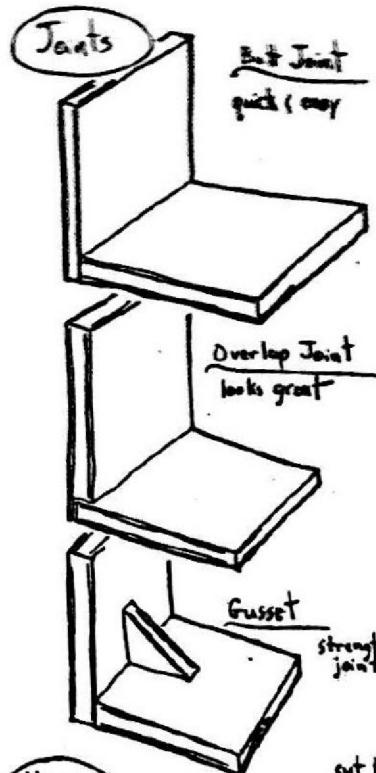
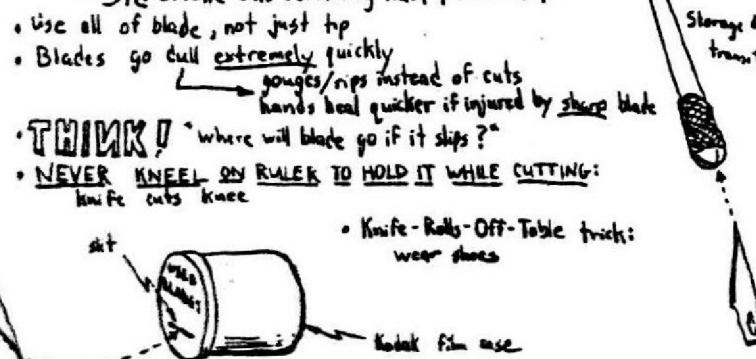
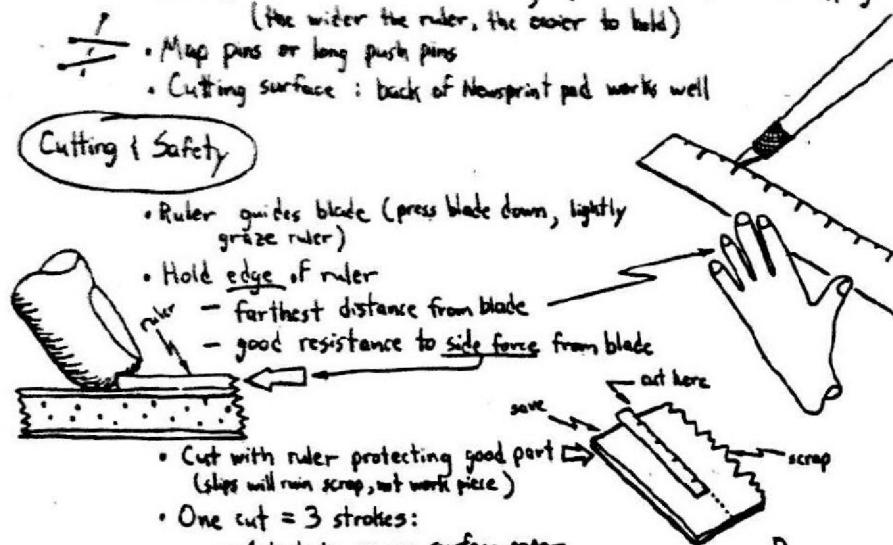


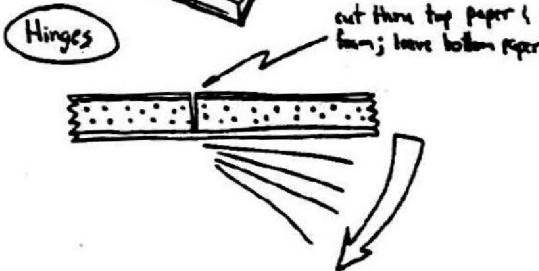
# FABULOUS FOAMCORE

- Mat's
  - X-ACTO knife (NOT mat knife)
  - Metal ruler with cork or masking tape on backside (reduces slipping) (the wider the ruler, the easier to hold)
  - Map pins or long push pins
  - Cutting surface: back of Newsprint pad works well

## Cutting & Safety



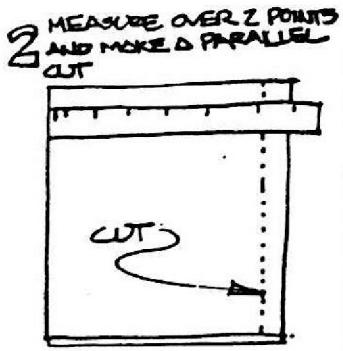
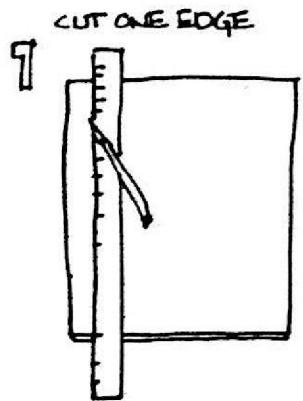
Pins can be used to hold pieces together while glue dries



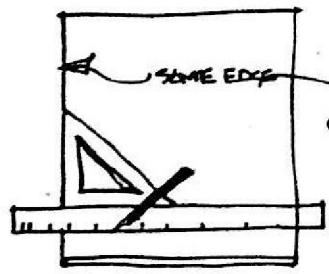
**Elmers**  
vs.  
easy to control  
dries in a couple hours  
minimal thickness (thin)  
thermally safe

**Hot Melt**  
messy (whiskers)  
dries in a couple seconds  
thick (thick)  
hot glue burns

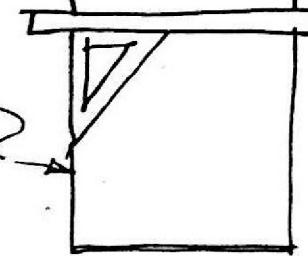
## ► START OUT SQUARE!!!!



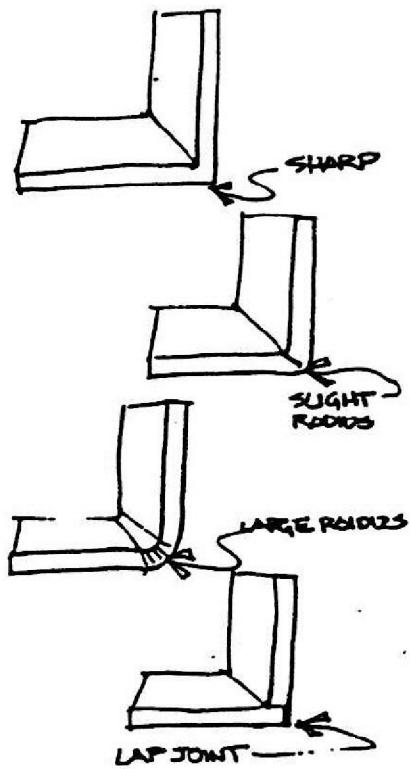
3 PICK TOP BOTTOM EDGE AND CUT 10° TO IT WITH A LARGE TRIANGLE



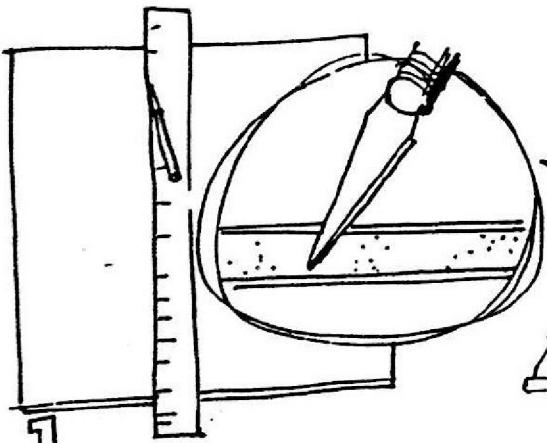
4 USE THE SAME EDGE AND CUT OTHER SIDE



## ► JOINTS

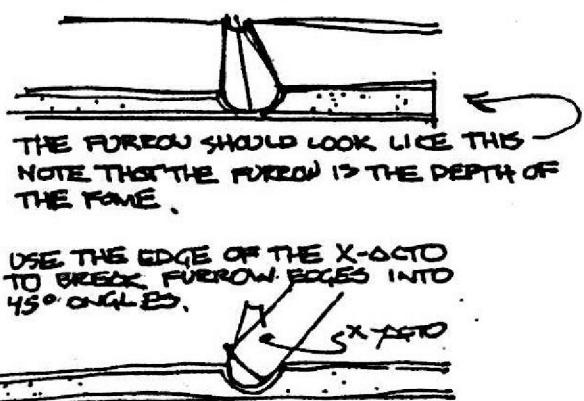
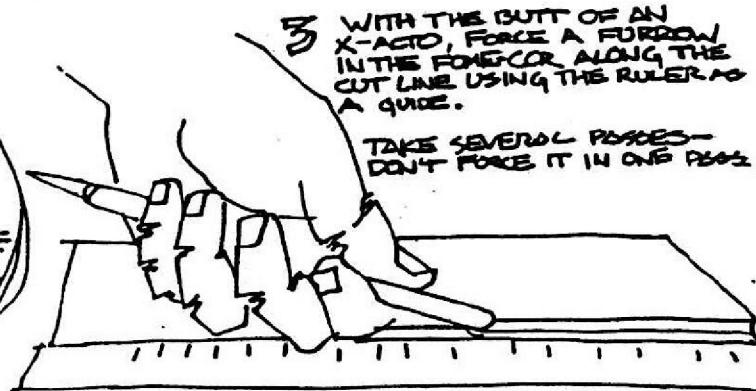


## ► JOINTS: SHARP

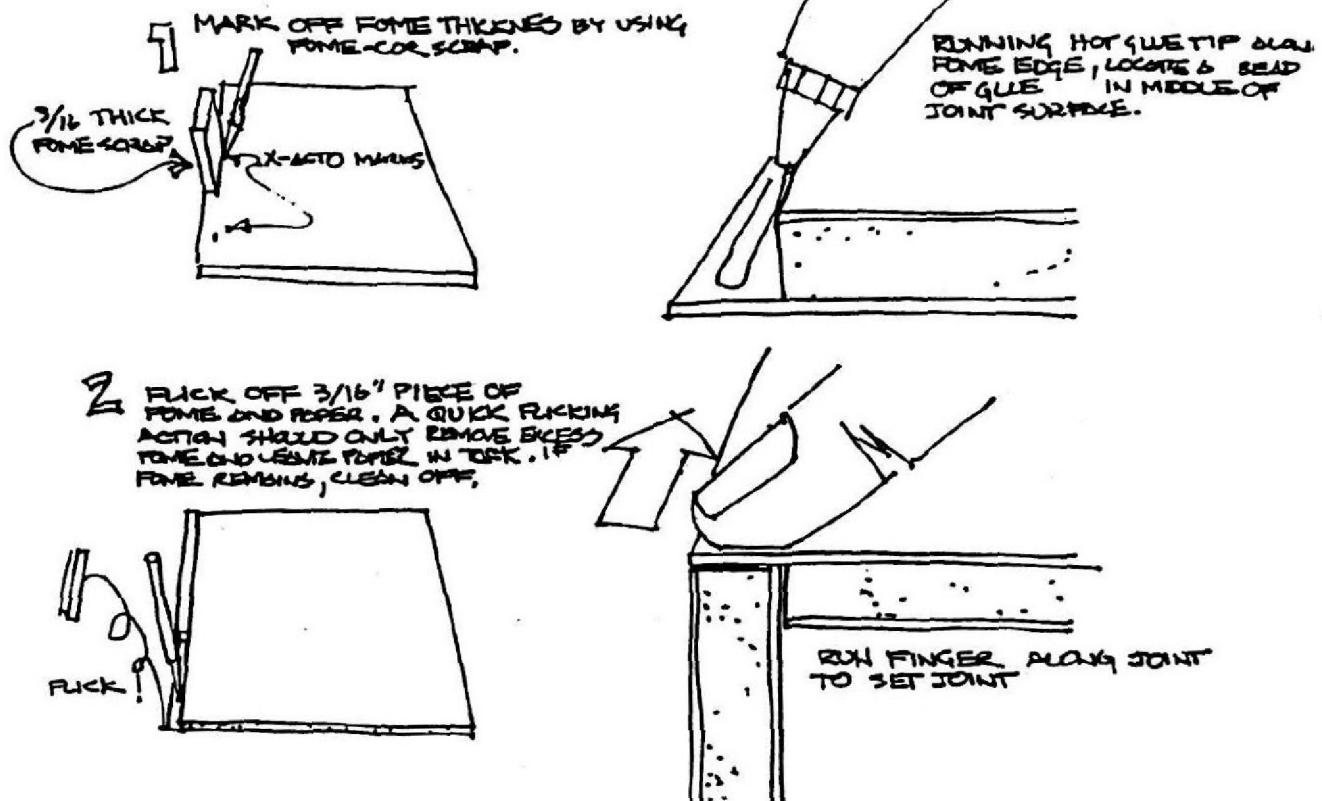


2 BEND SHEET BACK ON ITSELF.

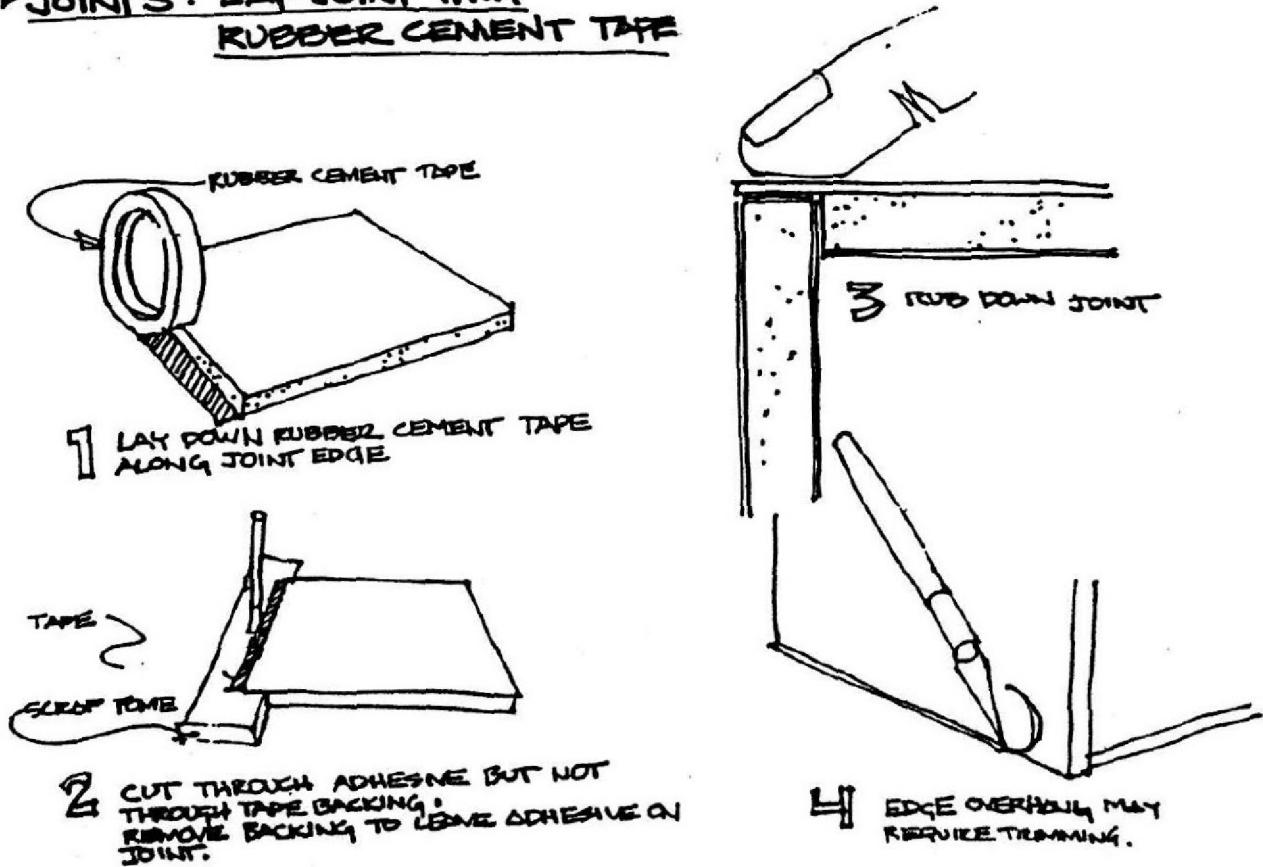
3



## ► JOINTS: LAP JOINT



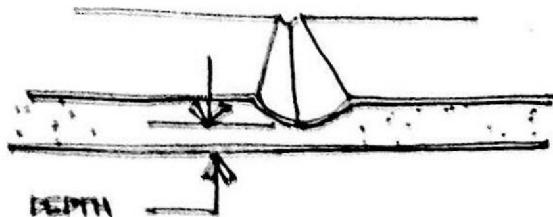
## ► JOINTS: LAP JOINT WITH RUBBER CEMENT TAPE



## ► JOINTS: SLIGHT RADIUS

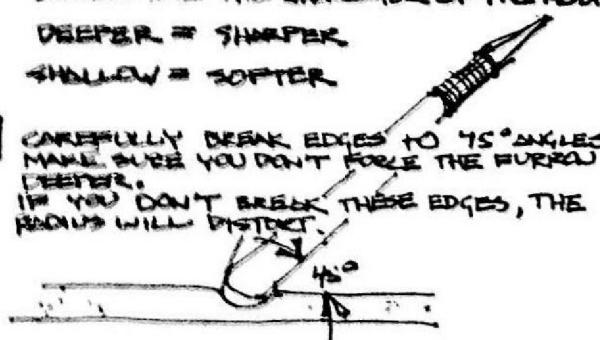
1 CUT DOWN TO BUT NOT THROUGH 2ND SIDE OF PAPER. DO NOT BEND SHEET BACK ON ITSELF.

2 SCORE FURROW WITH BUTT OF X-ACTO KNIFE CAREFULLY CONTROL THE DEPTH OF THE FURROW.



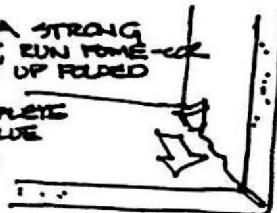
3 THE DEPTH OF THIS FURROW WILL DETERMINE THE CHARACTER OF THE RADIUS.  
DEEPER = SHARPER  
SHALLOW = SOFTER

4 CAREFULLY BREAK EDGES TO 45° ANGLES MAKE SURE YOU DON'T FORCE THE FURROW DEEPER.  
IF YOU DON'T BREAK THESE EDGES, THE RADIUS WILL DISTORT.



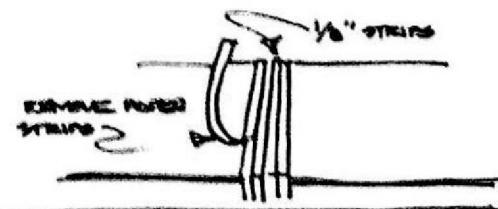
5 RUN A BEAD OF HOT GLUE IN COMPLETED FURROW.

FOR A STRONG JOINT, RUN FOME-CORE SCRAP UP FOLDED SHEET TO COMPLETE A HOT GLUE FILLET.



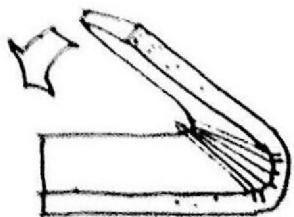
## ► JOINTS: LARGER RADIUS

1 CUT  $\frac{1}{8}$  INCH STRIPS THROUGH FIRST LAYER OF PAPER AND ABOUT  $\frac{1}{2}$  WAY THROUGH FOME.



2 STRIP OFF THE  $\frac{1}{8}$ " STRIPS OF PAPER, STRIP BY STRIP. THIS IS HARDER THAN IT SOUNDS BECAUSE THE PAPER TENDS TO RE-LAMINATE AS IT IS STRIPPED OFF. DO THE BEST YOU CAN WITHOUT REMOVING FOME.

3 BEND THE SHEET GOING PAST THE INTENDED ANGLE OF THE FINAL JOINT. (THIS RELAXES STRESS ON THE JOINT)



CHECK RADIUS BY EYEING ON A CIRCLE TEMPLATE.

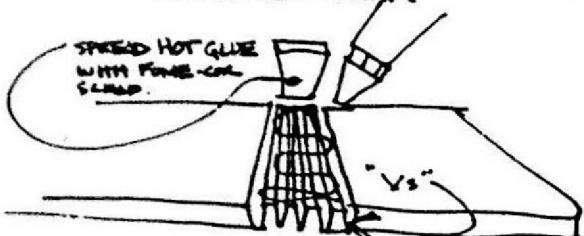
IT MAY TAKE SEVERAL TRIES TO GET THE RIGHT SIZE RADIUS.

ADJUST SIZE BY MAKING MORE OR LESS  $\frac{1}{8}$  SLOTS.

WRITE DOWN FINAL NUMBER OF STRIPS FOR REFERENCE.

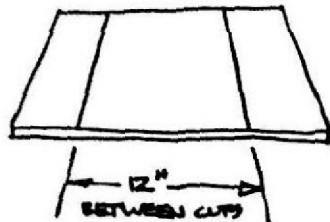
4 IF STABILITY OF THE JOINT IS REQUIRED OR YOU ARE GOING TO CUT CLOSE TO THE RADIUS DO THE FOLLOWING.

NOTICE THAT AFTER BENDING THE RADIUS THE FLATTENING OUT THE FOME HAS BEEN DEFORMED INTO "V" SHAPED GROVES. BY FORCING HOT GLUE INTO THESE "V's" AND FOLDING THE SHEET YOU WILL END UP WITH A STRONG, STRUCTURAL JOINT.

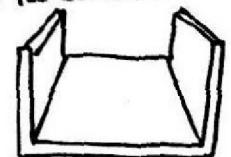


## MEASURING

IN THEORY, IF YOU HAVE

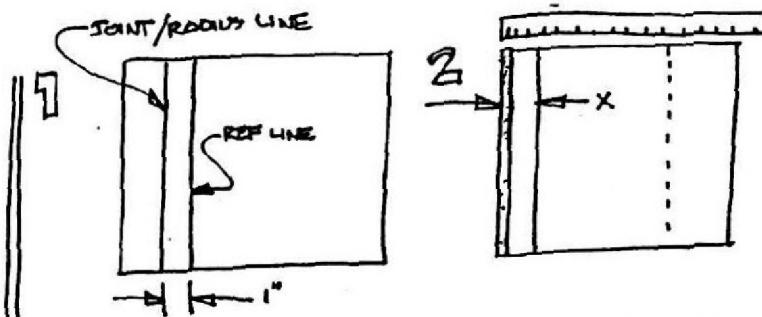


THEN YOU'LL HAVE



NOT QUITE!!!

JOINTS ALWAYS PICK UP SOME DIMENSION WHEN YOU FOLD THEM UP.  
YOU MUST EXPERIMENT AND LEARN TO SUBTRACT THE DIMENSION GAINED.



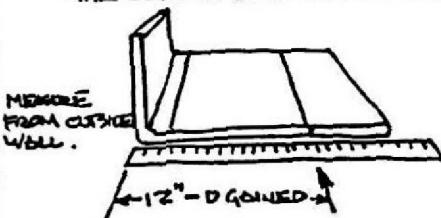
SCORE OR DRAW A REFERENCE LINE  
BEND THE JOINT UP TO 90°

MEASURE DISTANCE FROM OUTSIDE SURFACES AND SUBTRACT REF DISTANCE

$$X - 1" = \text{DISTANCE GAINED}$$

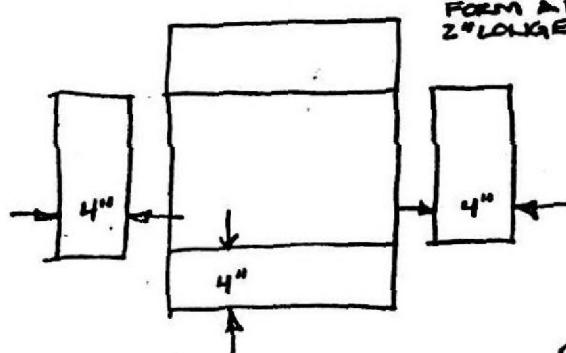
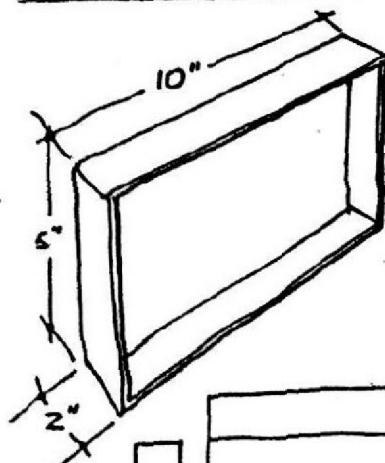
THE LARGER THE RADIUS  
THE LONGER DISTANCE GAINED

3) SUBTRACT DISTANCE GAINED FROM THE DISTANCE YOU WANT THE OUTSIDE SURFACES APART.

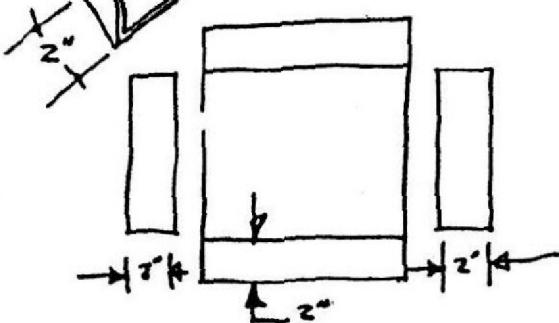


MATERIAL  
FROM CUTTING  
WALL.

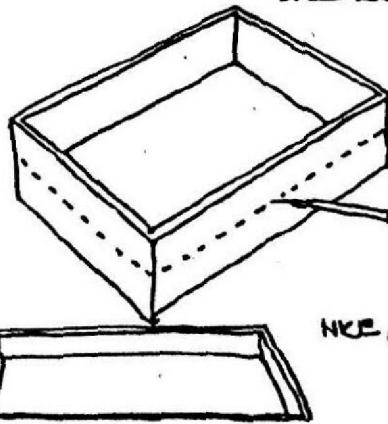
## A SIMPLE PANEL



CUT SIDES SO THEY WILL FORM A PANEL WITH SIDES 2" LONGER THAN REQUIRED

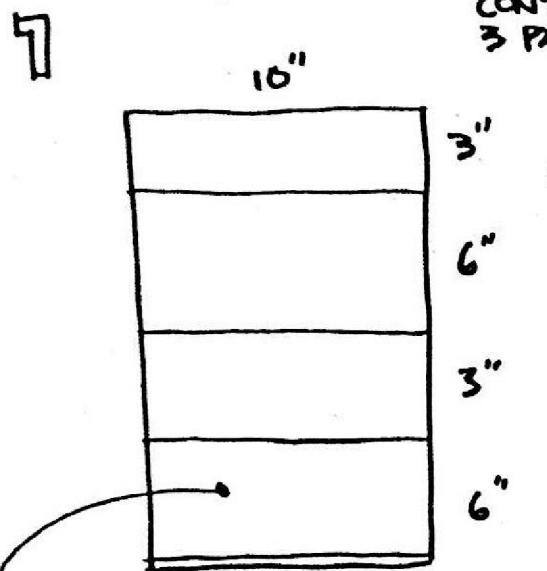
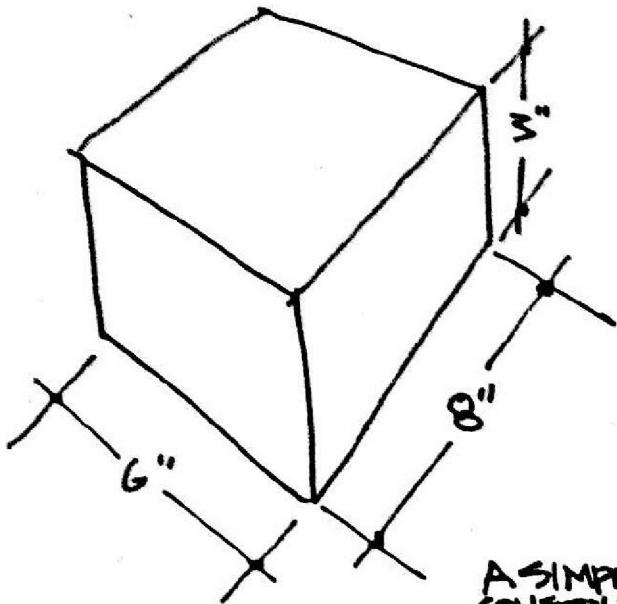


CUT PANEL DOWN TO SIZE AND VOLLA..



IF YOU CUT PIECES EXACTLY TO SIZE,  
YOU'LL GO CRAZY!!

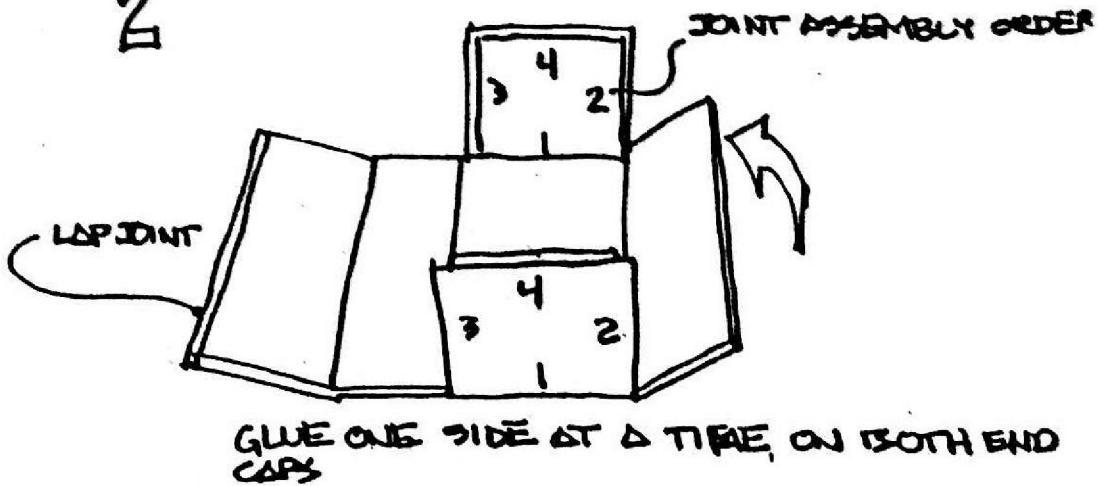
# A SIMPLE BOX



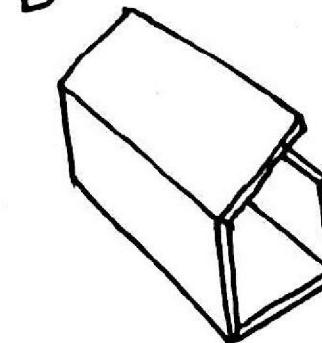
4 SIDED CLITER SECTION  
PICK LONGEST JOINT TO BE  
A FOME-COR BEND JOINT

## HOT GLUE ASSEMBLY:

2



## 3 RUBBER CEMENT ASSEMBLY



JOIN LAP JOINT TO FORM  
A TUBE.

ADD LAP JOINT ENDS  
(WITH RUBBER CEMENT TAPE ON  
JOINTS)

CHECT BOX FOR SQUARENESS

