Last Time
(Designing a Functional Folder)

How did you design a folder?

Did you have a design process?

What was the problem?

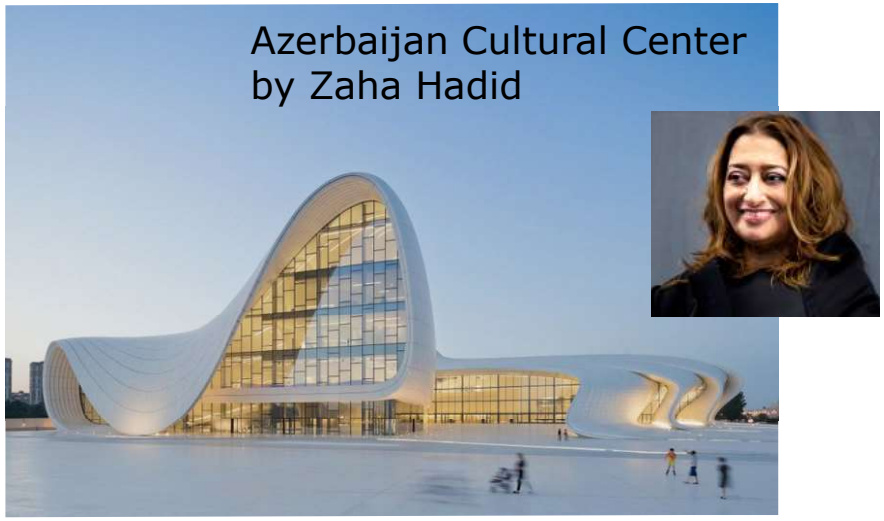
What were the criteria?

Was there only one correct solution?

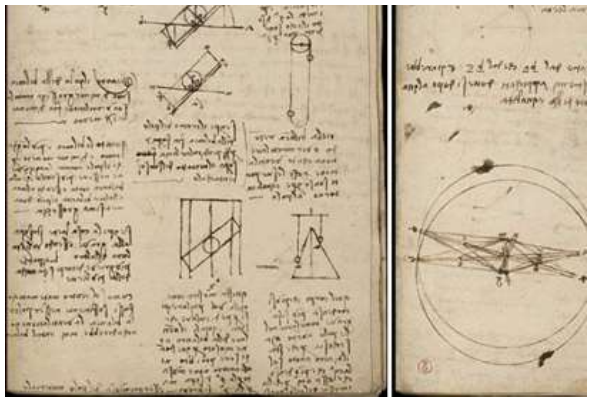
Last Time

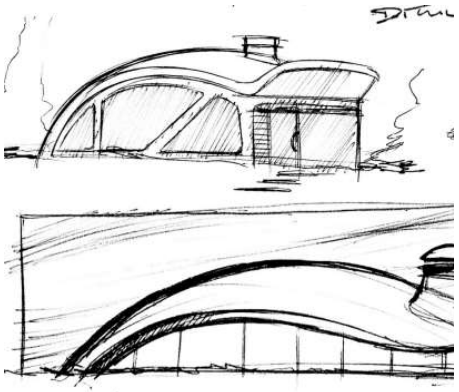
(Design, Aesthetics, & Sketchbooks)

ARCHITECTS DESIGN THINGS, BUT SO DO A WHOLE BUNCH OF OTHER PROFESSIONS !!



BUILDINGS ARE THE COMBINATION OF BOTH FUNCTION AND BEAUTY (THEY ARE BOTH LOGICAL AND "AESTHETIC").....

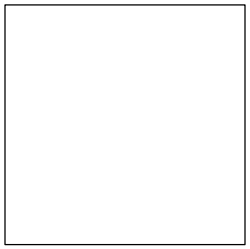


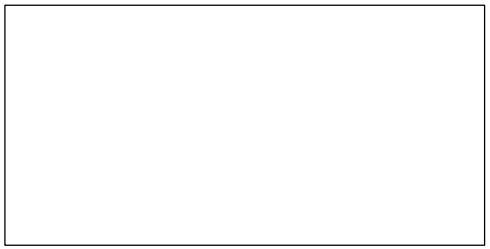


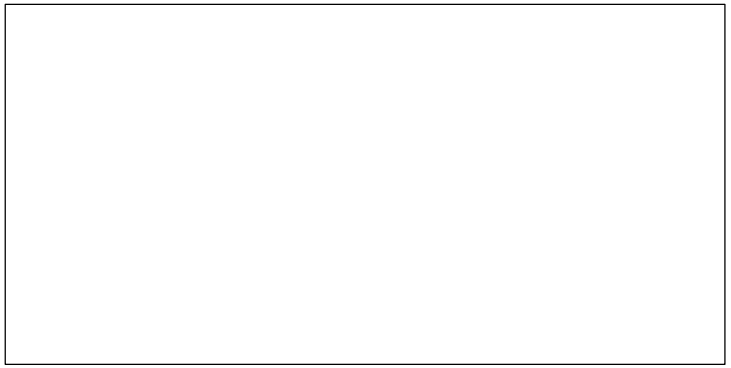
Architectural Scale

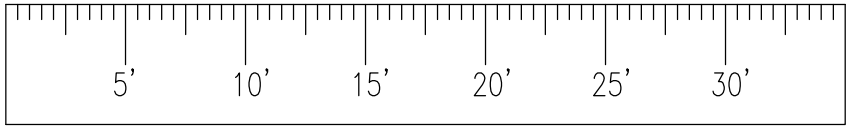
(When 1 Foot Does Not Equal 1 Foot)

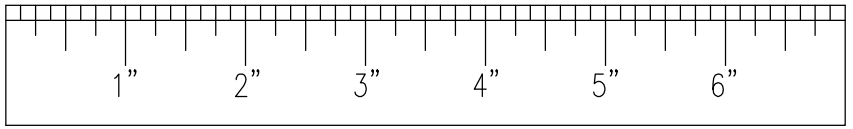
SCALE: 1" = 5'-0"











Architectural Scale

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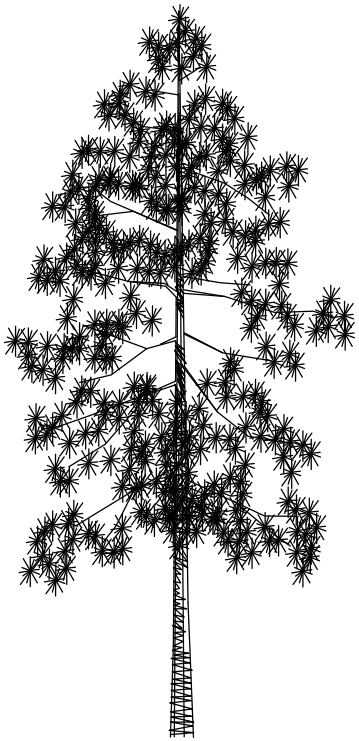
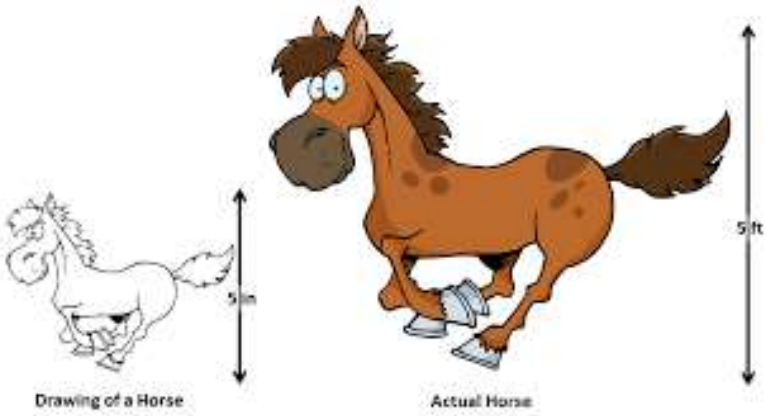
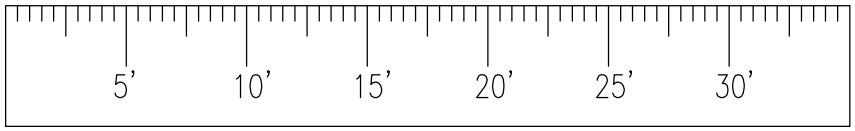
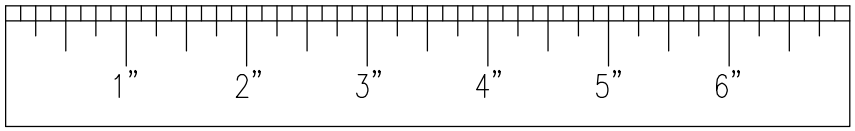


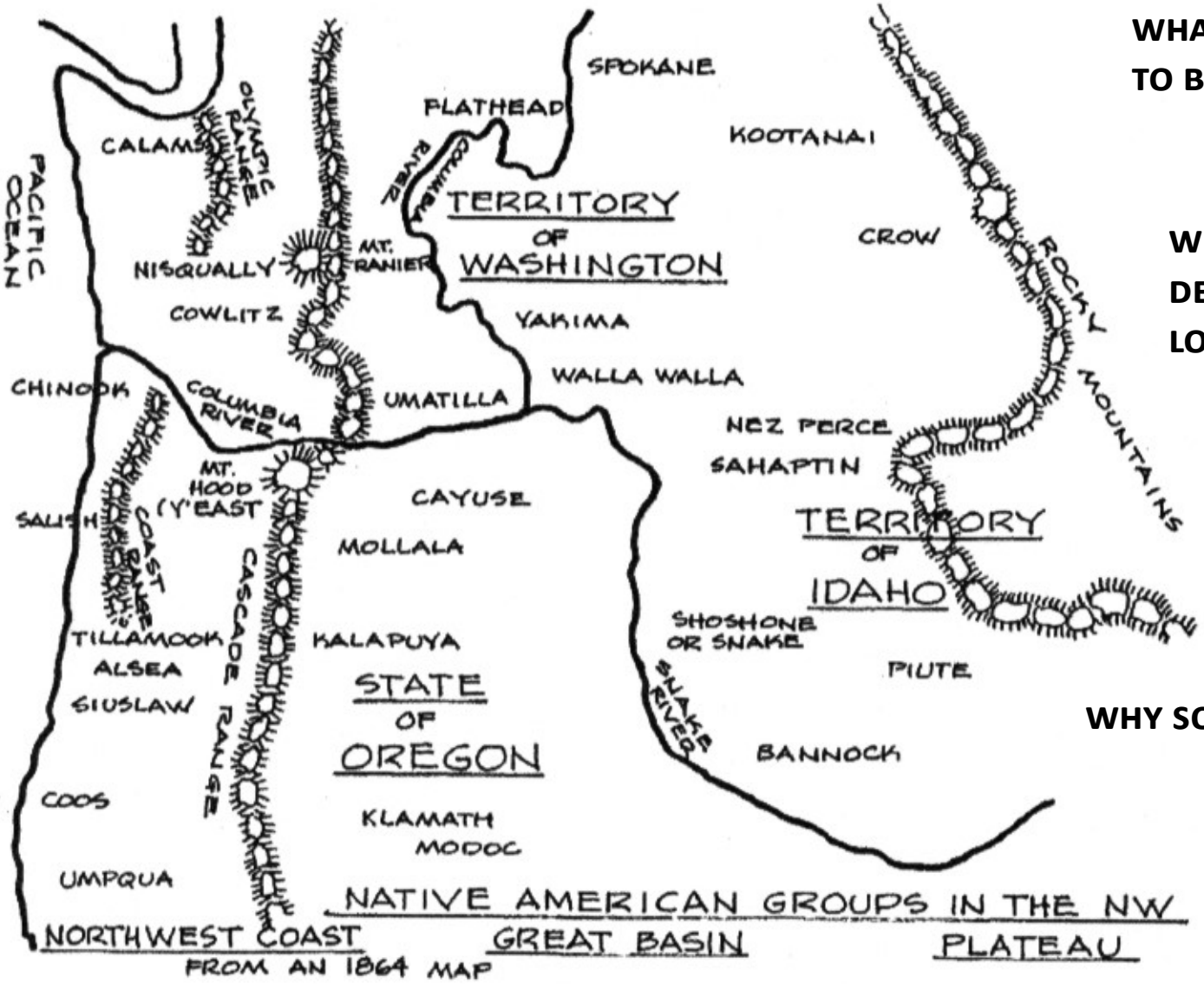






Native American Tribes of the Northwest

(5 years after Oregon became a state in 1859)



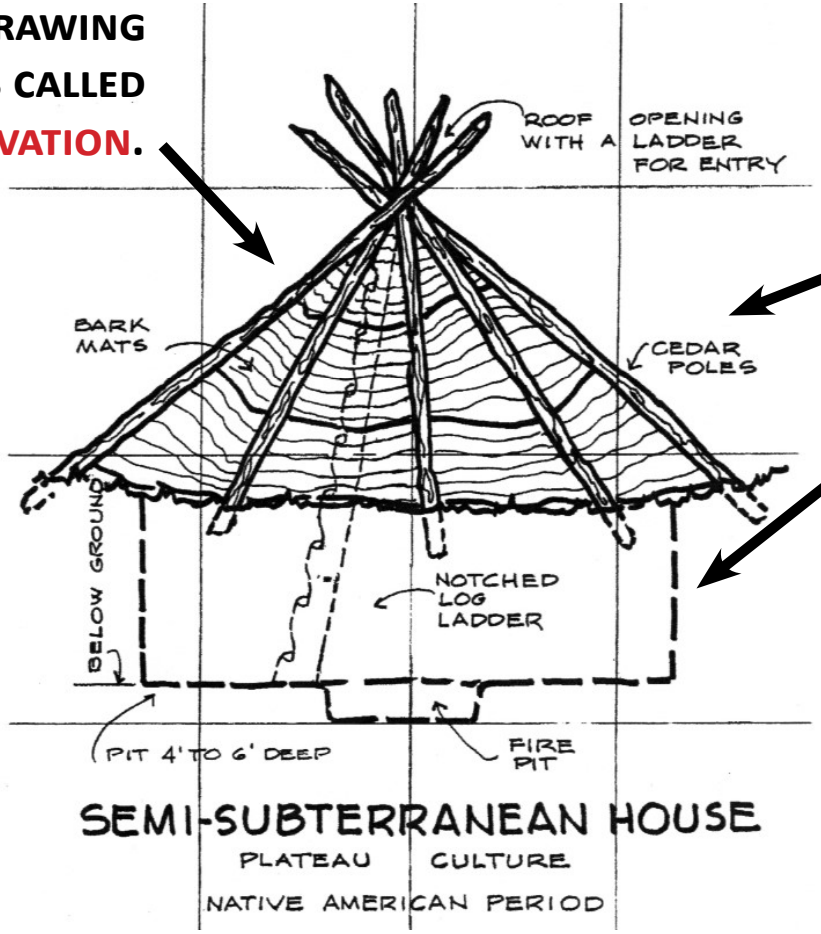
WHAT DOES IT MEAN TO BE NATIVE?

WHAT APPEARS TO DEFINE A TRIBE'S LOCATION?

WHY SO MANY TRIBES?

The Semi-Underground House
(Plateau Culture Winter Housing)

This drawing type is called an ELEVATION.

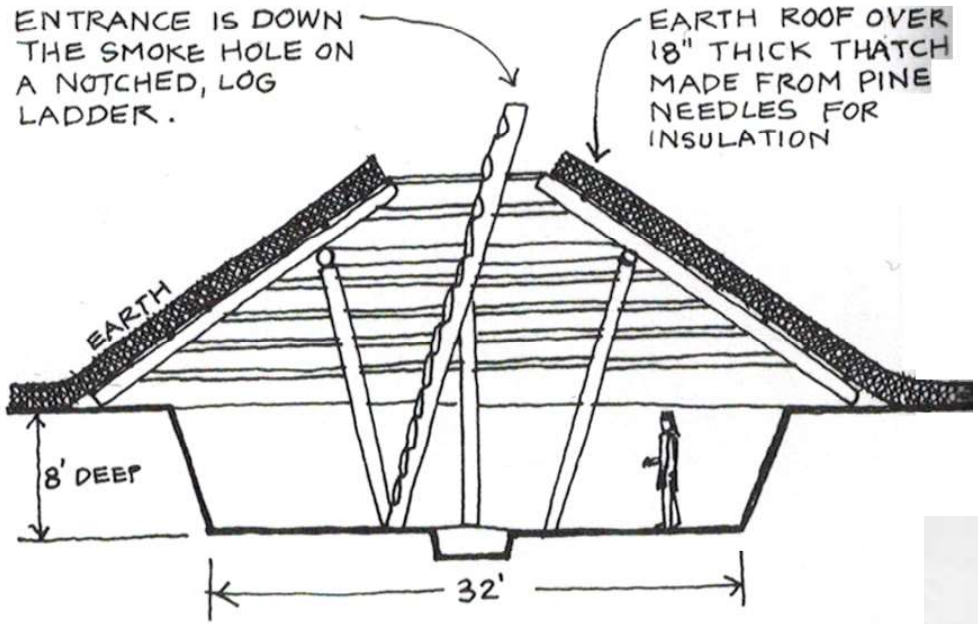


Why would this house be made out of wood and not out of something more durable like brick, stone, or metal?

Why is the house mostly underground?

The Plateau Culture's semi-subterranean (underground) houses were most often occupied in the winter months. Why?

The Semi-Underground House
(Plateau Culture Winter Housing)



1850 SEMI-UNDERGROUND PLATEAU HOUSE, KALAPOYA TRIBE, NORTHWEST

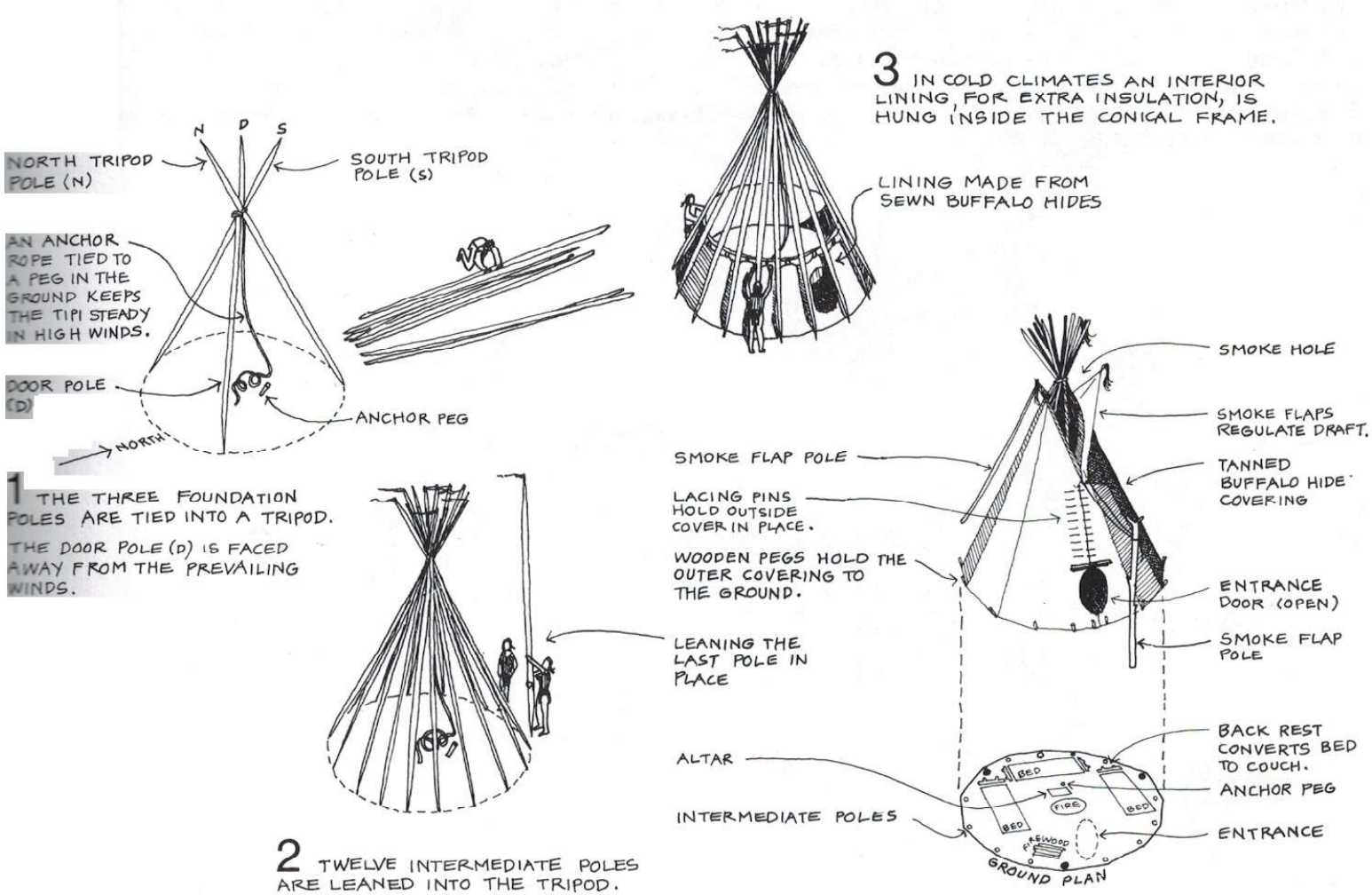
THIS DRAWING TYPE IS CALLED AN SECTION.

THIS SECTION DRAWING HAS THREE DIMENSIONS -- 18", 8', AND 32'. IF WE WERE TO BUILD A MODEL OF THIS PLATEAU HOUSE AT THE SCALE OF 1" = 5'-0", WHAT WOULD BE THE MODEL MEASUREMENTS?

18" = ?? 8' = ?? 32' = ??

The Tipi (or Tepee)

(Plateau Culture Summer Housing)



1800 FOUR STEPS IN ERECTING THE SIOUX TIPI

The Tipi (or Tepee)
(Plateau Culture Summer Housing)

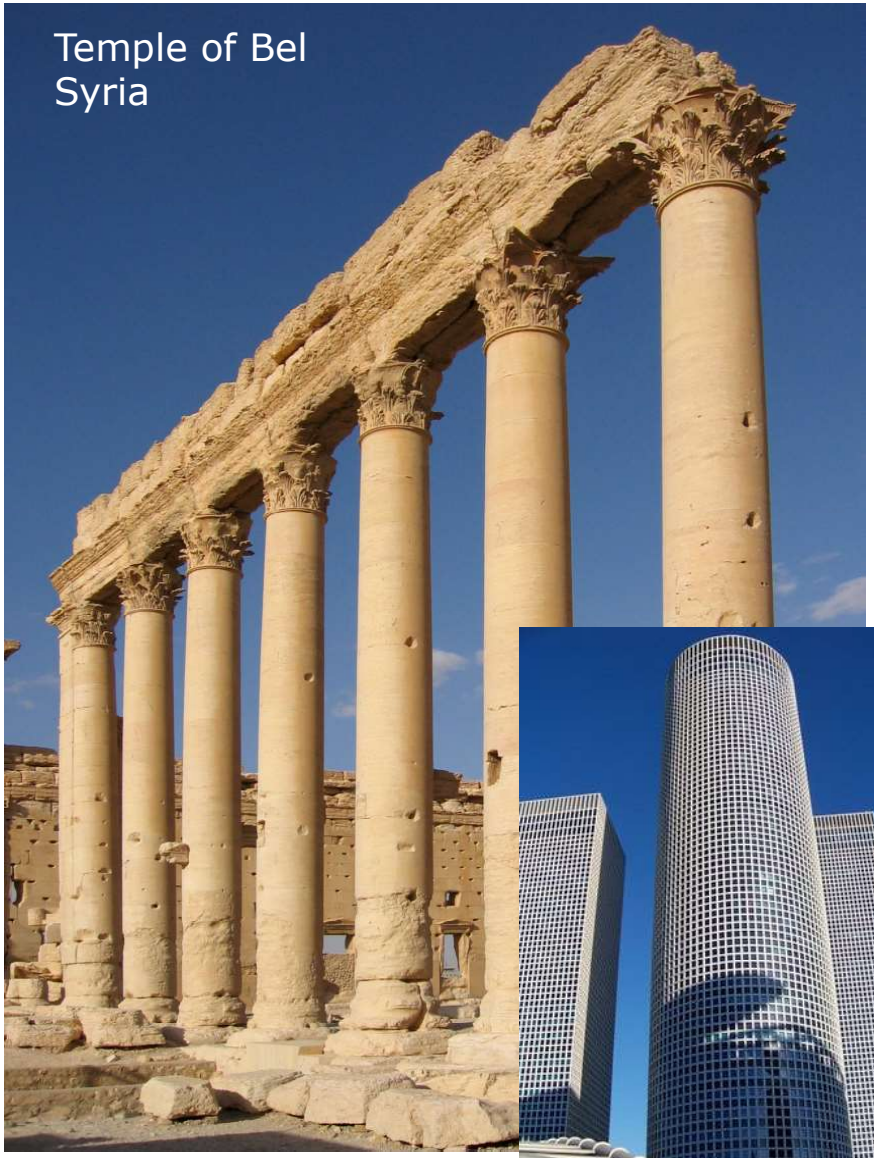
Some tipis were covered in animal skins or fabric (like canvas).

The Tipi (or Tepee)
(Plateau Culture Summer Housing)

This tipi is covered in tule mats. Why?

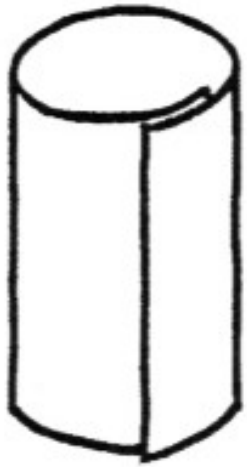
Making a Paper Cylinder

(The pieces and parts: COLUMNS, TOWERS, & TUBES)



STEPS FOR MAKING A COLUMN / TOWER / TUBE:

1. Grab a square piece of paper
2. Bend into a circle
3. Overlap by 1/2 inch (1/2”)
4. Tape or glue the two sides together



CYLINDRICAL
POST-COLUMN-TOWER

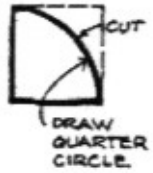
Making a Cone

(The pieces and parts: ROOFS, TIPIS, & BUILDINGS)

Tacoma Glass Museum

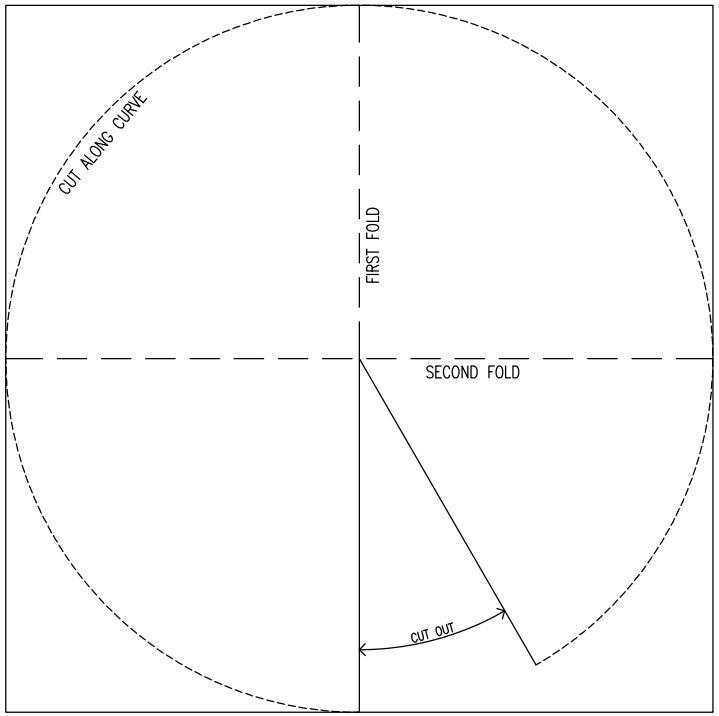
<u>STEPS FOR MAKING A CONE:</u>

1. Grab a <u>square</u> piece of paper
2. Fold in half (1/2)
3. Fold in half (1/2) once more
4. Draw a quarter circle with the center at the double-folded corner. Cut at the line.
5. Unfold and cut out a pie-shaped wedge
6. Tape or glue together



Making a Cone

(The pieces and parts: ROOFS, TIPIS, & BUILDINGS)



CONE OR TURRET ROOF

1. FOLD PAPER IN HALF
2. FOLD PAPER IN HALF AGAIN
3. DRAW A QUARTER CIRCLE WITH THE CENTER OF THE CIRCLE AT THE INTERSECTION OF THE FOLDS
4. CUT OUT THE QUARTER CIRCLE & UNFOLD
5. CUT OUT A PIE-SHAPED WEDGE
6. OVERLAP CUT ENDS & TAPE OR GLUE