



SUBJECT :ARCHITECTURAL DRAWING AND GRAPHICS-I

TOPIC: INTRODUCTION TO ARCHITECTURE DRAWING

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WHAT IS ARCHITECTURAL DRAWING

- An architecture drawing is a technical drawing of building (or building falls within the definition of architecture).
- Architectural drawing are made according to a set of convention, which includes particular views like floor plan, section, sheet sizes, units etc.
- Architectural drawing are use by architect to develop their design ideas to clients and also to communicate ideas and concepts.

PURPOSE OF ARCHITECTURAL DRAWING????



- To develop a design idea into a coherent proposal.
- To communicate ideas and concepts.
- To convince clients of the merits of a design.
- To enable a building contractor to construct it.
- As a record of the completed work.
- To make a record of a building that already exists.

A set of conventions are followed while making Architectural drawings for maintaining the uniformity of drawings in terms of –

Scale,

line weight,

size of sheet,

line weight,

line type,

symbols .

DRAFTING TOOLS

DRAWING BOARD

- The drawing board is an essential tool.
- Paper will be attached and kept straight and still, so that the drawing can be done with accuracy.
- Paper could also be secured to the drawing board with pins , C-clamps or adhesive



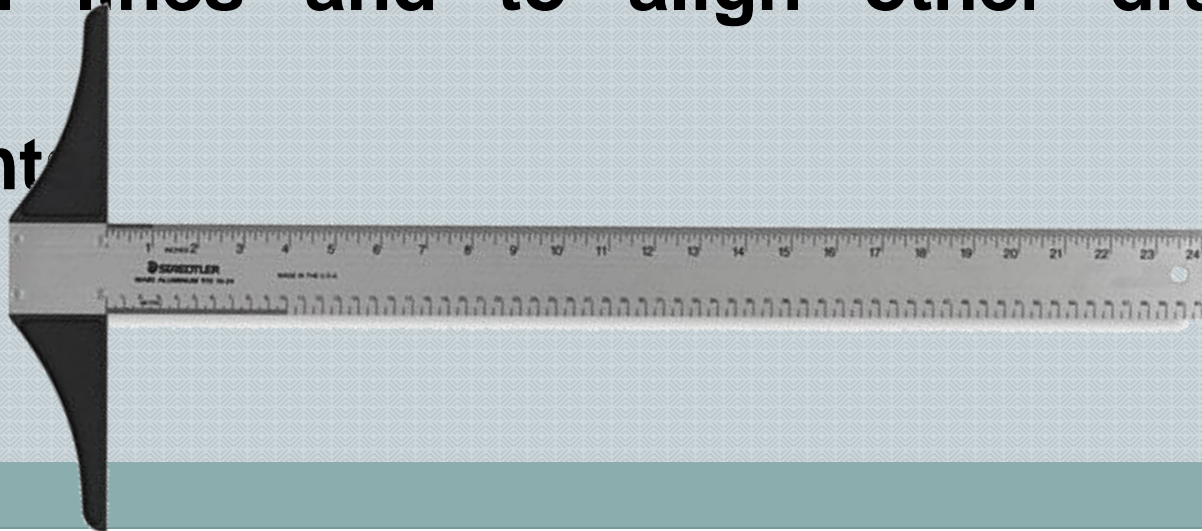
PARALLEL BAR

- A parallel bar is attached by cleats and pulleys to a particular drawing surface.
- The bar moves up and down on thin wire that moves runs over pulleys inside the bar.
- The parallel bar is easy to use.
- It permits the drafter to draw long horizontal lines and serves as a base for the placement of triangles and other instruments for precision drawing.

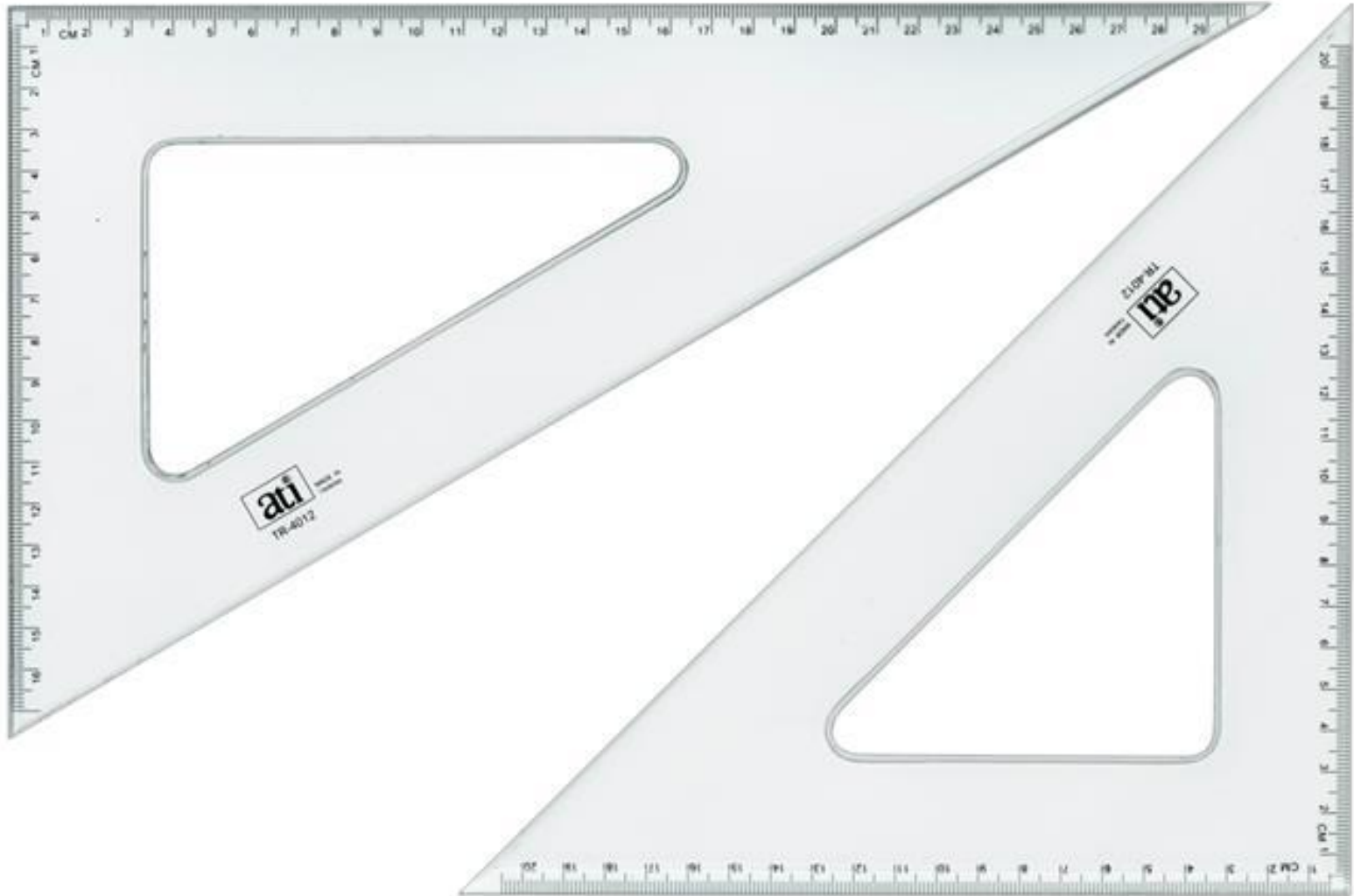


T-SQUARE

- A T-square is a straightedge which uses the edge of the drawing board as a support.
- It is used with the drafting board to draw horizontal lines and to align other drawing instrument



SET - SQUARE



RULERS



PENCILS



100-

8B

7B

6B

5B



4B



3B



2B



B



HB



F



H



2H



3H



4H

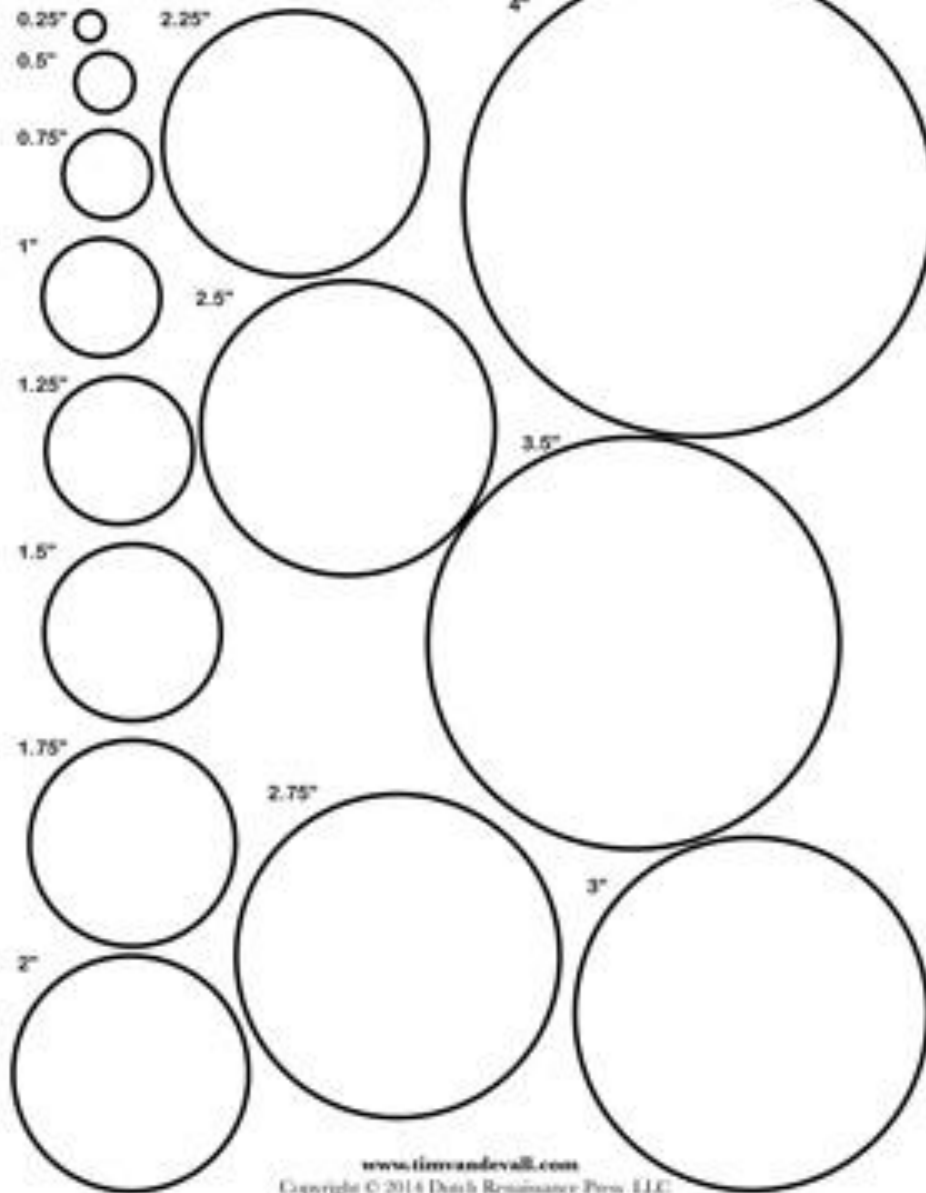


5H



6H

Circles with Labeled Diameters



SHEET SIZE

- Architecture drawing usually use A0 size paper (841mm X 1189mm) , A1 (594X 841mm) & A2 (420 x 594 mm).
- Architecture drawing are drawn to scale for the correctly represented.
- Scale drawing enabled dimension to be understand by others.