



DRAFTING TOOLS AND USES

Standard

AC-IDD-4- Demonstrate the correct use and management of all drafting tools and supplies.

- 4.1 Identify and demonstrate the correct operation and maintenance of manual drafting equipment.
- 4.2 Use correct lead selection to produce drawings.
- 4.3 Identify and use the proper type of media.
- 4.4 Promote responsible use of drafting supplies.

Directions:

- Create a flipbook of drafting equipment. Draw a sketch of each tool and list the tool's use. Be creative!

I. ADJUSTABLE TRIANGLE

Used to draw angles from 0 to 90 degrees



2. AMES LETTERING GUIDE

Used to
draw
guidelines
for lettering



3. ARCHITECT'S SCALE

Identified based on fractions at end

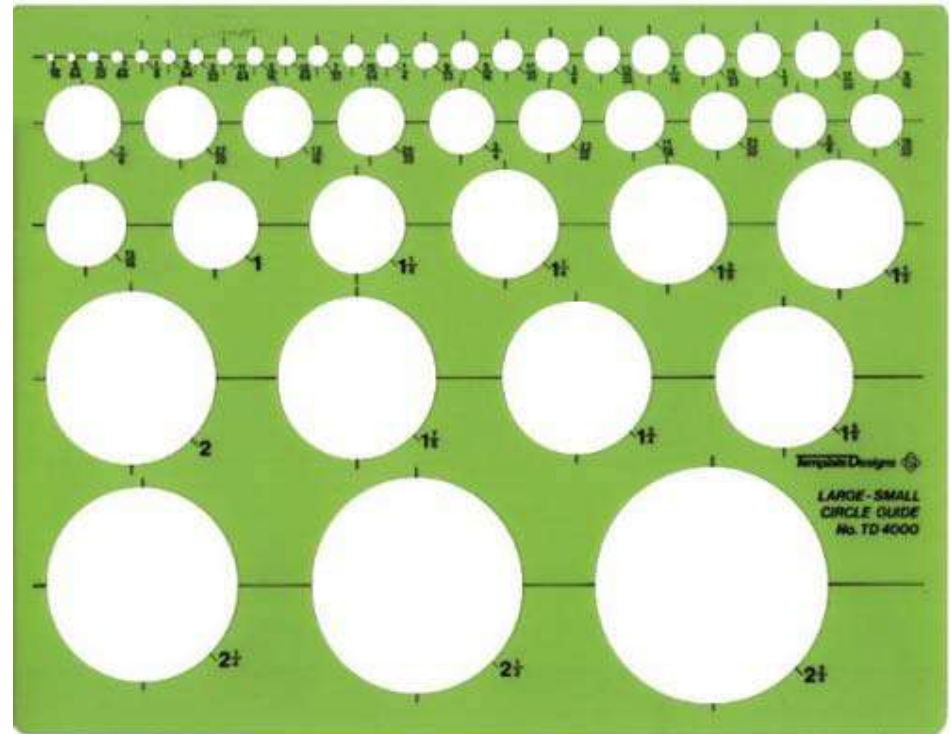
A scale where inches and fractions of feet represent feet

Used with typical drawings and floor plans



4. CIRCLE TEMPLATE

Template
used to draw
circles and
arcs



5. COMPASS

Used to draw
circles and
arcs



6. DIVIDERS

Used to divide lines into equal spaces

Used to transfer distances

Used to compare sizes of drawing elements



7. DRAFTING TABLE

Smooth, firm surface used to draw on



8. DRAFTING TAPE

Used to hold
paper in place
while drawing



9. DRAWING PENCILS

High quality pencils
with varying sizes
of lead



10.DRAFTING BRUSH

Brush eraser crumbs and debris from the drafting table



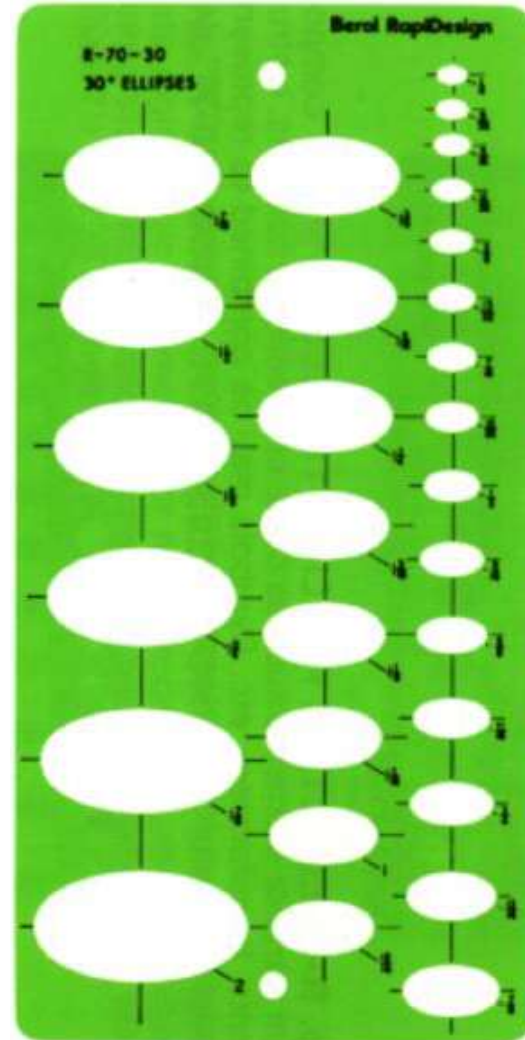
11. ELECTRIC ERASER

Used to
erase
quickly



12. ELLIPSE TEMPLATE

Template used
to draw ellipse



13. ENGINEER'S SCALE

Identify based on the whole numbers on end (10, 20, 30)

Used to draw maps, charts, and any drawings that require decimal measurements



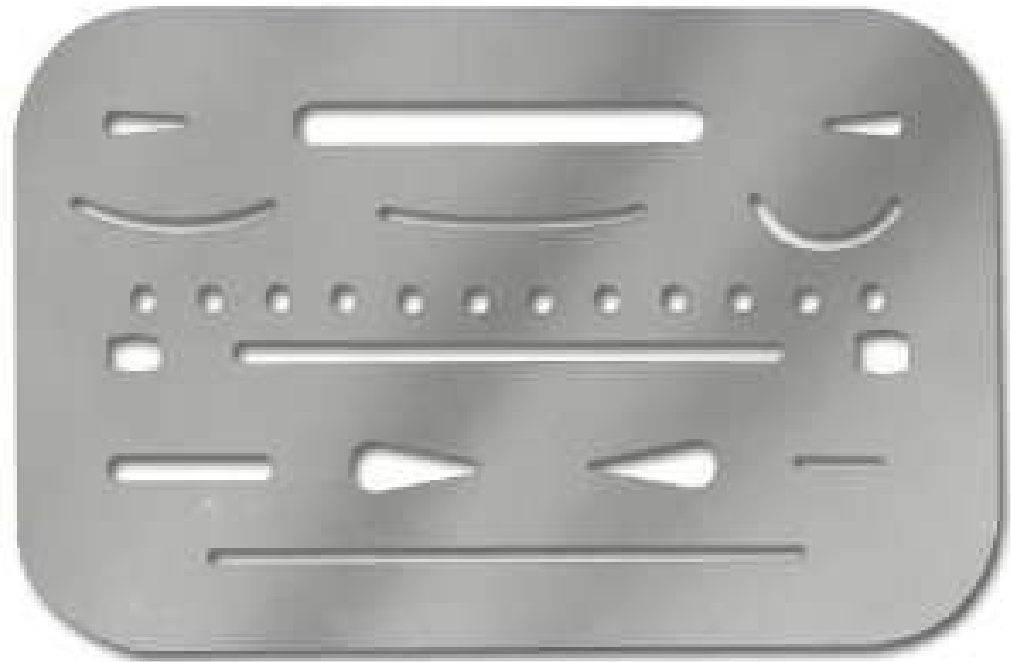
14. ERASER

Used to erase mistakes



15. ERASING SHIELD

Used to protect lines you don't want to erase



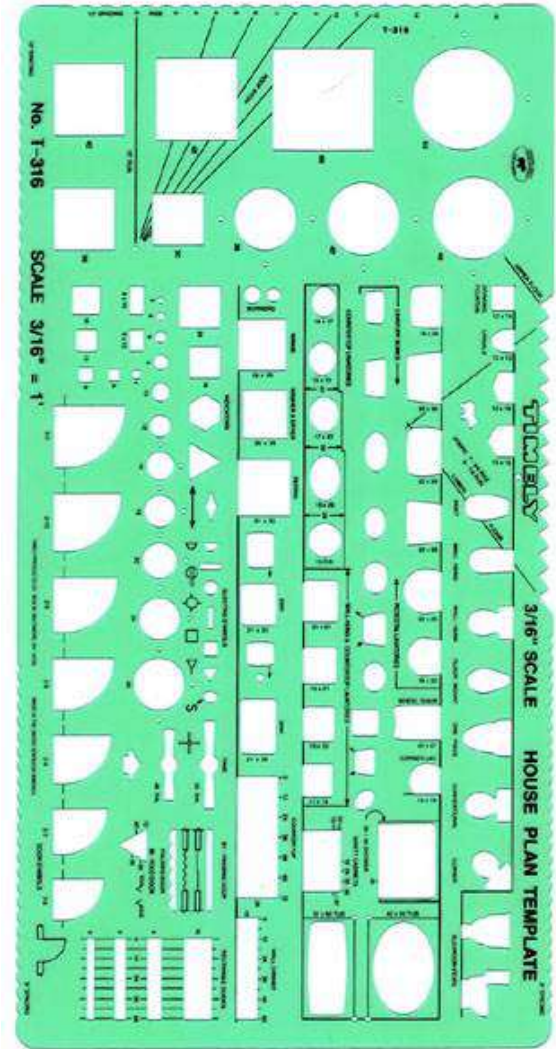
16. 45 ° TRIANGLE

Used to draw
45 and 90
angles



17. HOUSE PLAN TEMPLATE

Used to draw symbols on floor plans



18. IRREGULAR CURVE

Used to draw
non-circular
curves



19. METRIC SCALE

Identified based on
Ratios (1:20)

Any drawing requiring
metric measurements



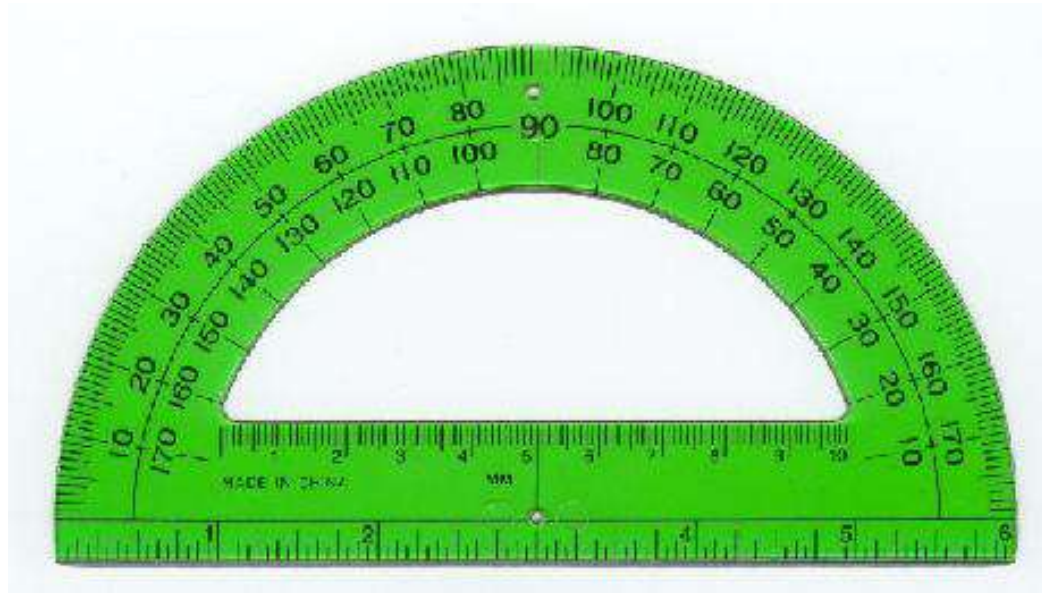
20. PARALLEL BAR

Used to draw horizontal lines and support triangles to draw vertical lines



21. PROTRACTOR

Used to
measure and lay
out angles



22. SANDPAPER PAD

Used to
sharpen
compass lead



23. 30° - 60° TRIANGLE

Used to draw
30 and 60
degree angles



24. T-SQUARE

Used to draw horizontal lines and support triangles to draw vertical lines

