WinSketch Pro
Quick Start Guide

OVERVIEW:

This guide is provided as a quick overview of drawing with WinSketch Pro. New users are strongly urged to read the included WinSketch User Manual which covers all aspects of drawing areas and calculating area square footage. The User Manual is available from the Help menu or from www.winsketch.com. This Quick Start Guide will lead you through small lessons demonstrating basic to advanced techniques used in WinSketch.

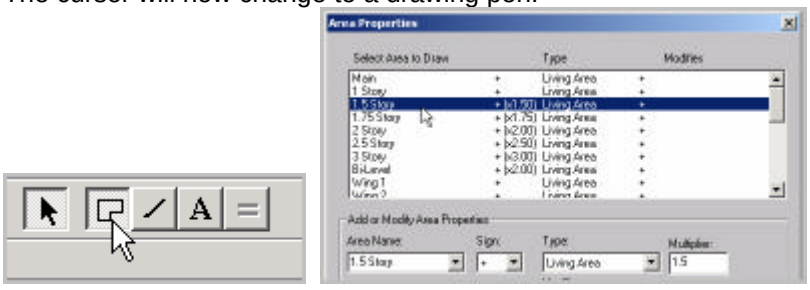
- QuickDraw mode – Used to draw all vertical and horizontal lines.
- Formula mode – Used to draw all angles and arcs. Press "A" to invoke.
- Interior Walls –Utilize enhanced Arc and Angle abilities.

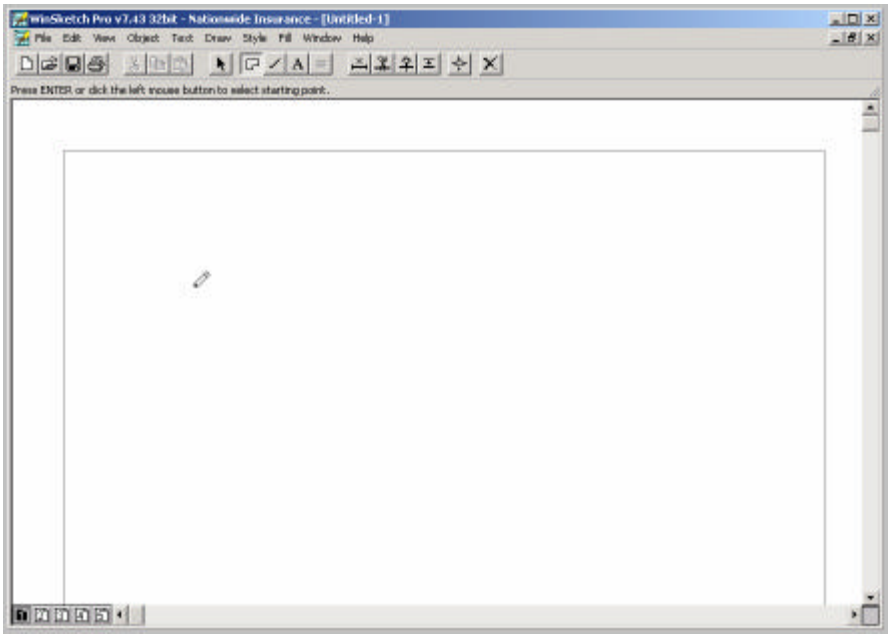
Lessons 1 and 2 are for new users.
Lessons 3 through 7 are for intermediate to advanced users.
Lesson 8 is a full sketch that ALL users should complete before using WinSketch

LESSON 1: Basic Drawing Techniques

a. Define an Area to Draw

- Click on the **Area** button with the mouse. The **Area Properties** window will appear.
- Select an area to draw from list and **Click OK**.
- The cursor will now change to a drawing pen.





Using Keyboard Drawing: (Recommended Method)

- Now position the drawing pen in the upper left portion of the screen and press the **<ENTER>** key to select a starting point to begin drawing the area. If you draw the area clockwise, the line dimensions will be placed above and centered each line, or outside the area. If you draw the area counter-clockwise, the line dimensions will be placed below and centered each line, or inside the area.

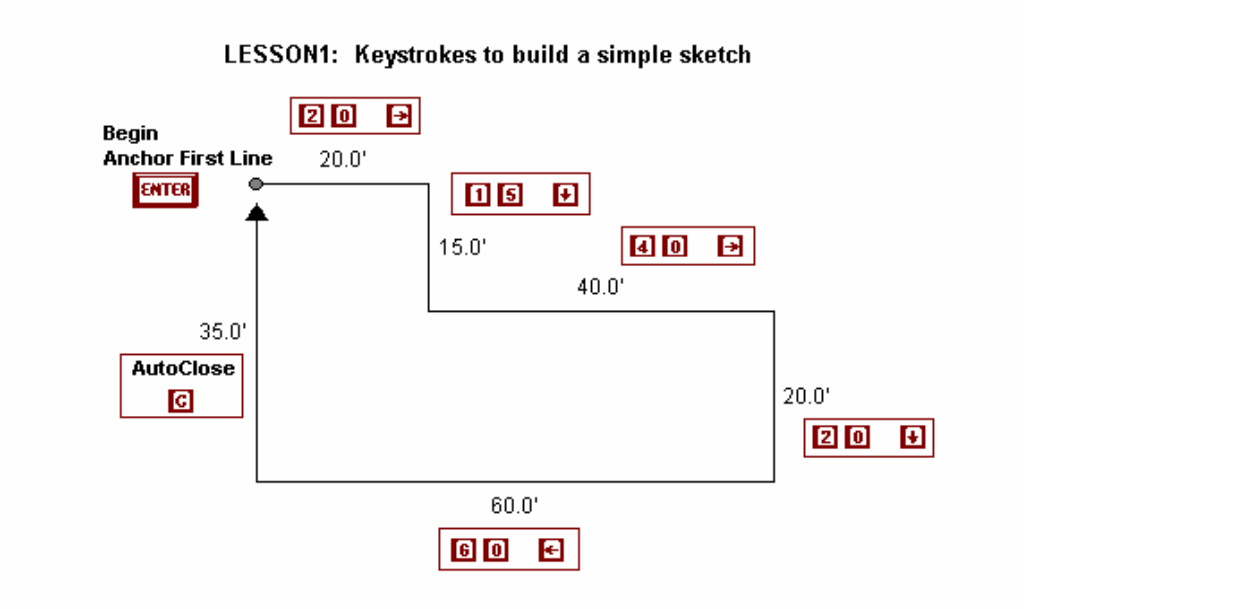
Using Mouse:

- Position the drawing pen in the upper left portion of the screen and click the left mouse button to select a starting point to begin drawing the area.

b. Drawing Horizontal and Vertical Lines

Using Keyboard:

- *Confirm NumLock is on.*
- Type 20 and press the **<Right Arrow>** key.
  Result: Winsketch will draw an exterior line 20.0 feet to the right. (or East)
- Next, type 15 and press the **<Down Arrow>** key.
  Result: Winsketch will draw an exterior line 15 feet down. (or South)
- To continue drawing the sketch below, simply input the keystrokes as they appear. All of these steps are within the QuickDraw Formula. **(<Dimension> <Direction Arrow>)**



Using Mouse:

- Switching from Keyboard to MouseDraw mode
  Switching to MouseDraw mode is easy; simply click the left mouse button and a red "trace" line will appear. The trace line moves with your mouse and is locked at 45 degree increments. Hold down the **<SHIFT**> key for smaller degrees increments.

- Move the mouse the desired line length and click the Left Mouse button to draw the line. Continue drawing lines by moving the mouse and left clicking to draw each new line. If you make a mistake, press the Delete key.

- Switching back to Keyboard Mode
  To switch back to keyboard mode at any time, simply begin typing a new line's data with the keyboard.

c. Deleting Lines While Drawing

Made a mistake? To erase the previous line in a sketch, press the Delete key.

d. Closing the Area (Auto Close)

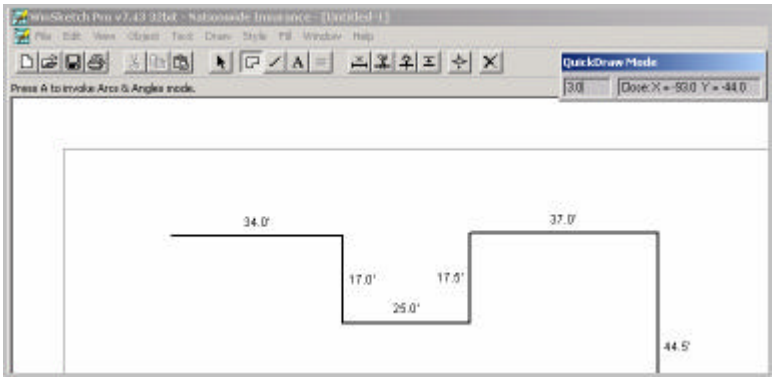
There are two methods for automatically drawing or "closing" the last line of an area.

Auto Close Area

- Press the **C** key to have WinSketch automatically draw the last line of the area for you.

Distance from Starting Point

- As the area is being drawn, WinSketch always displays the exact distances required to perfectly close the area from the original starting point. The distance required to close the area shown in X (horizontal) and Y (vertical) dimensions. The close distances are displayed in the Quick Draw window which dynamically floats in the upper right corner.



➲ All of the following lessons utilize Arcs & Angles Mode and require you to press the **A** key first prior to drawing an angle.

LESSON 2: Drawing Angled Lines - - using Rise and Run

a. Formula:

<"A"> <Dimension> <Direction Arrow> <Dimension> <Direction Arrow> ... <ENTER>

b. Example: Drawing a 10 Right by 10 Up angled line.

- First, press the **A** key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.

- Type **10** and press the **<Right Arrow>** key.
  Result: A red trace line will be drawn 10.0 feet to the right (East).

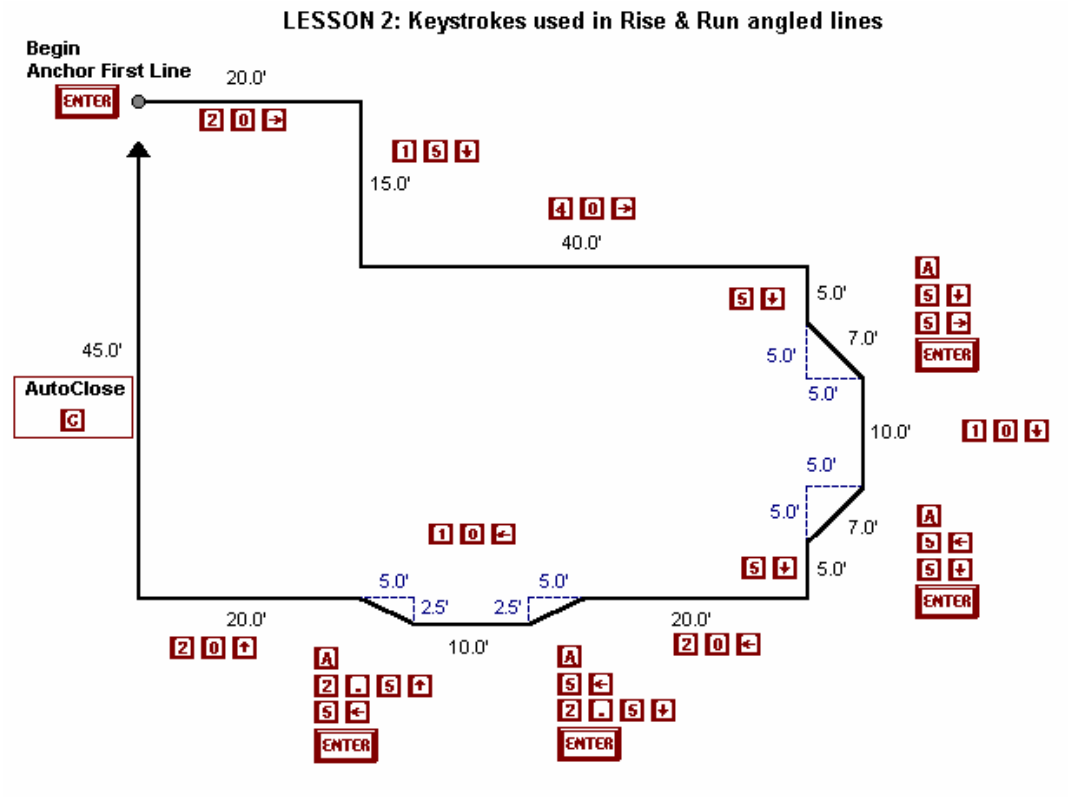
- Next, type **10** and press the **<Up Arrow>** key.
  Result: A NEW red trace line will be drawn 14.1 feet at 45 degrees.

- Press **<ENTER>** to finish the line.
  Result: The red 14.1 foot line will turn black and become solid.

➲ WinSketch is now waiting for the next line.

c. Example: Sample House Sketch

In this example, we will sketch a house with 2 bay windows. Please type in the keystrokes exactly as they appear in the sketch below.



LESSON 3: Drawing Angled Lines - - using Exact Degree

a. Formula:

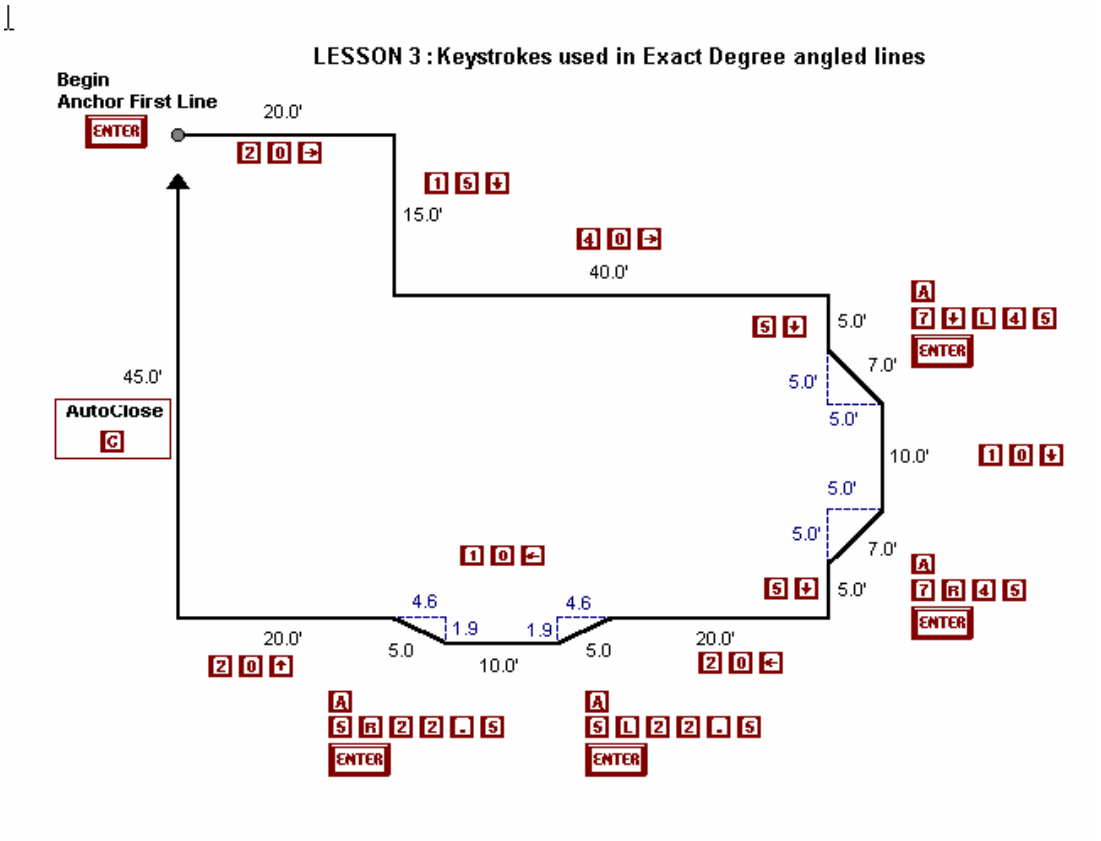
<"A"> <Dimension> <Deflection (L or R)> <Line Degree> <ENTER>

b. Example: Drawing a 18.0 foot line veering Left at 23 degrees.

- First, press the **A** key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.

- **Type 18** The lines dimension
- **Type L**. Causes the line to angle to the Left. R for right.
- **Type 23** The desired Angle
- *Result: A* red trace line will be drawn 18.0 feet deflecting to the Left at a 23 degree angle. Press the Enter key to draw the line.

c. Example: Drawing a sample sketch using Exact Degree Angled Lines



LESSON 4: Drawing Arcs - - using Chord & Exact Degree

a. Formula:

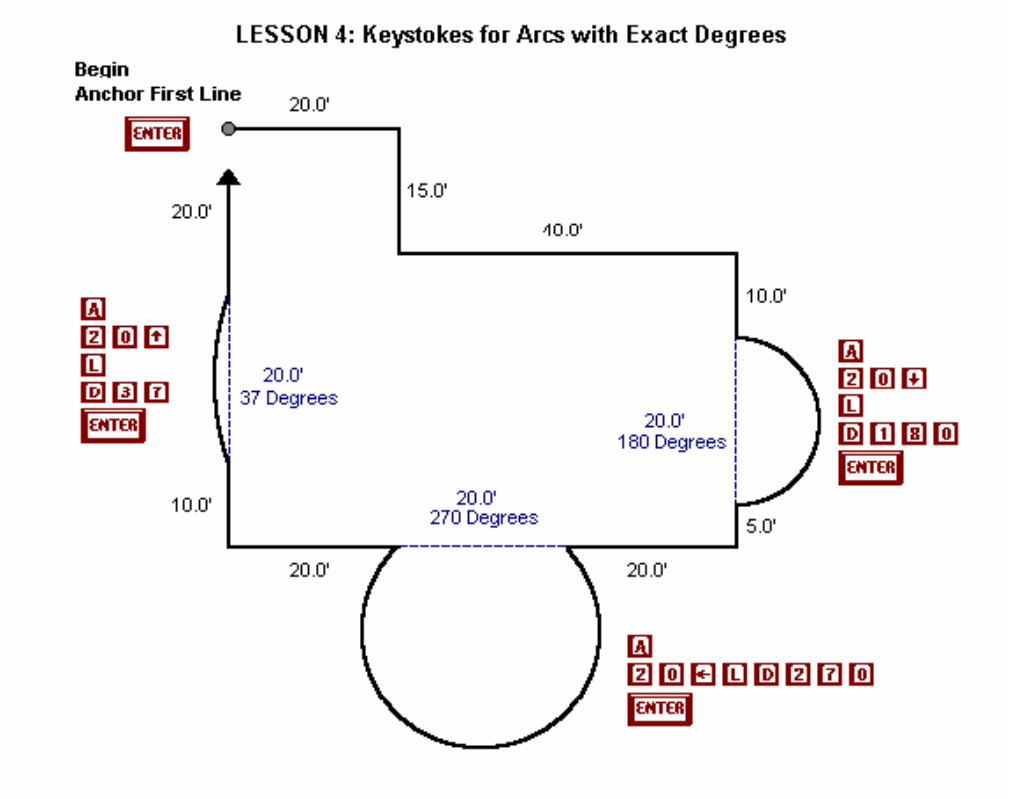
<A> <Dimension> <Deflection (L or R)> D <Arc Degree> <ENTER>

b. Example: Drawing a 10.0 ft by 180 degree Arc.

- As always, remember to first press the A key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.
- Type **10** and press the **<Right Arrow>**.
  Result: A red trace line will be drawn 10.0 feet to the right (East).
- Type **L**.
  Result: The red trace line remains the same, but WinSketch expects you to enter an angled line degree.
- Type **D**.
  Result: The red trace line remains the same, but Winsketch now expects an Arc Degree to be entered.
- Type **180.**
  Result: The red trace line will draw a Left-Curving Arc of 180 degrees and chord length 10 feet.
- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

➲ WinSketch is now waiting for the next line.

c. Example: Drawing a sample sketch using Arcs with Exact Degrees



LESSON 5: Drawing Arcs - - using Chord & Height

a. Formula:

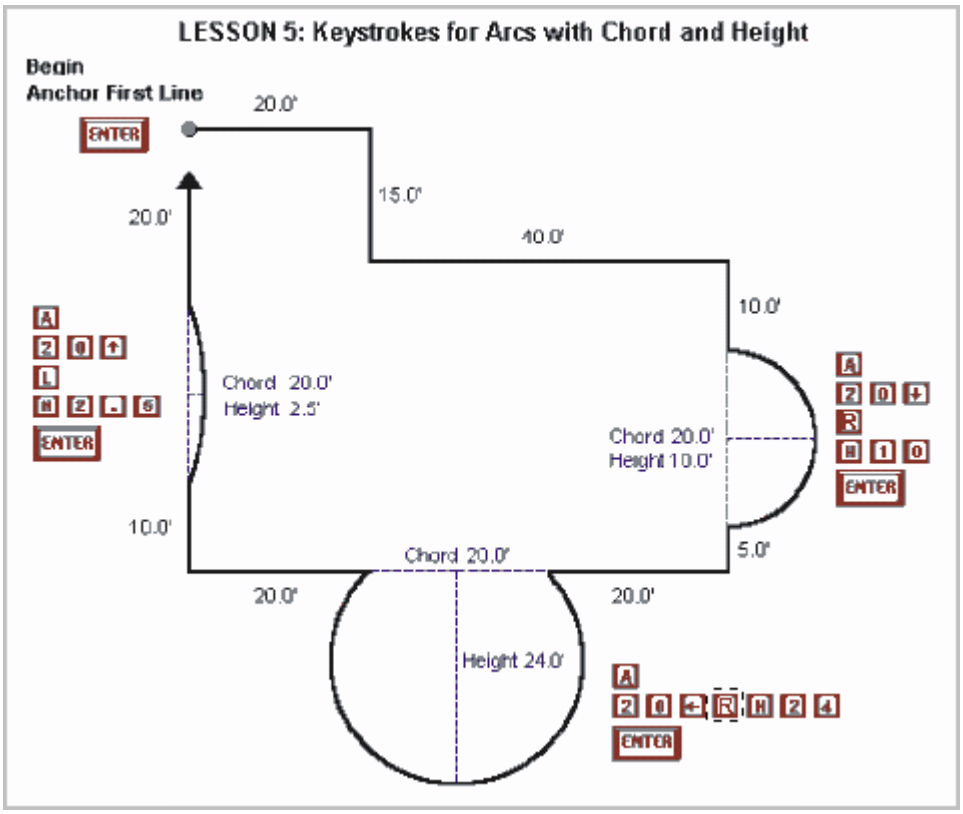
<A> <Chord Dimension> <Arc Direction (L or R)> <H> <Arc Height> <ENTER>

b. Example: Drawing a 10.0 ft Chord by 5 ft Height Arc.

- As always, remember to first press the **A** key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.
- Type **10** and press the **<Right Arrow>**.
  Result: A red trace line will be drawn 10.0 feet to the right (East).
- **Type L**
  Result: The red trace line remains the same, but WinSketch expects you to enter an angled line degree.
- **Type H**.
  Result: The red trace line remains the same, but WinSketch now expects an Arc Height to be entered.
- **Type 5**.
  Result: The red trace line will draw a Left-Curving Arc with a Height of 5 feet and chord length 10 feet.
- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

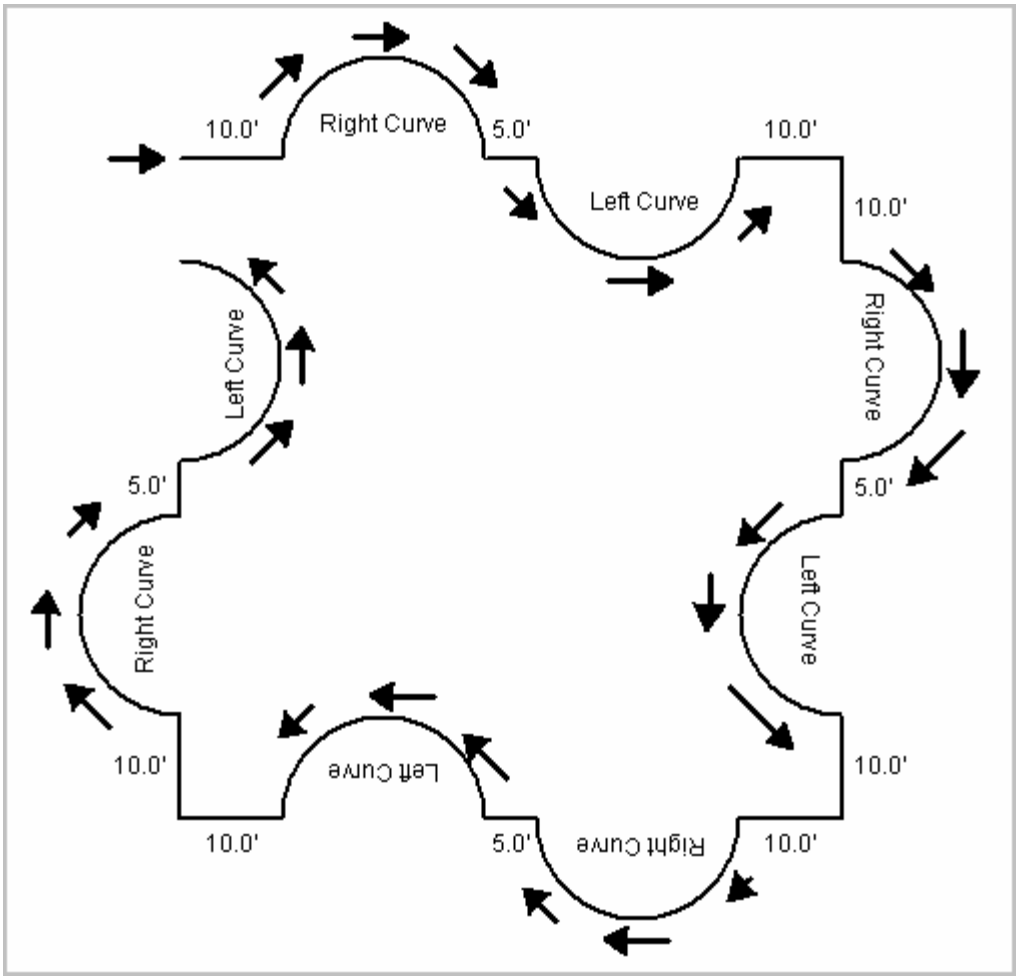
➲ WinSketch is now waiting for the next line or arc.

c. Example: Drawing a sample sketch using Chord and Height Data



LESSON 6: Drawing Arcs - - Understanding Right or Left Curving

There are basically two types of Arcs: Right-Curving and Left-Curving. If you are drawing a sketch clockwise, a Right-Curving Arc usually curves to the outside of a house plan and a Left-Curving Arcs usually curves inside of the house plan.



a. Example: Drawing a Right-Curving Arc with chord length 10.0 ft by 180 degrees.

- As always, remember to first press the **A** key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.
- Type **10** and press the **<Right Arrow>.**
  Result: A red trace line will be drawn 10.0 feet to the right (East).
- **Type R**.
  Result: The red trace line remains the same, but WinSketch expects you to enter an angled line degree.
- **Type D**.
  Result: The red trace line remains the same, but WinSketch now expects an Arc Degree to be entered.
- **Type 180**.
  Result: The red trace line will draw a Right-Curving Arc of 180 degrees and chord length 10 feet.
- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

➲ WinSketch is now waiting for the next line.

LESSON 7: Drawing Arcs - - Shortened Method

WinSketch utilizes some shortcuts to help speed your work. When you begin drawing an arc, WinSketch makes two assumptions for you.

1. First, WinSketch assumes that you will want draw in the same direction as the previous line.

2. If you are drawing an arc, WinSketch assumes that you will want to draw a Right-Curving Arc.

The two assumptions above ONLY come into when you use the Shortened Method detailed below. The Shortened Method simply eliminates keystrokes for you by making assumptions. This section is for advanced users of WinSketch.

a. Shortened Formula: (Right curve only)

<Dimension> <H or D> <Arc Degree> <ENTER>

b. Example: 1. Draw a 10 ft. line to the right as described in LESSON 1.
2. Draw a 12.0 ft by 5 ft Height Arc using the Shortened Method

- As always, remember to first press the **A** key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.
- **Type 12 H 5**.
  Result: A red trace line will draw a Right-Curving Arc with a Height of 5 feet and chord length of 12.0 feet.
- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

➲ WinSketch is now waiting for the next line or arc.

c. Example: 1. Draw a 15 ft. line down as described in LESSON 1.
2. Draw a 12.0 ft by 270 degree Arc using the Shortened Method

- As always, remember to first press the A key to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.
- **Type 12 D 270**.
  Result: A red trace line will draw a Right-Curving 270 degree Arc with a chord length of 12.0 feet.
- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

➲ WinSketch is now waiting for the next line or arc.

LESSON 8: Drawing Methods - - First Sketch

a. Example: Full Sketch.

- Click on the Area button with the mouse. The Area Properties window will appear.
- Select an area to draw from list and Click **OK**.
- The cursor will now change to a drawing pen.
- Now, position the drawing pen in the upper left portion of the screen and press the **<ENTER>** key to begin drawing.

- Type **15** and press the **<Right Arrow>**
  Result: A line will be drawn 15 ft. to the right (East).

- Type **5 L 45** and press **<ENTER>** to make the line solid.
  Result: A line will be drawn 5 ft. and deflected LEFT at a 45 degree angle.

- Type **10** and press the **<Right Arrow>**
  Result: A line will be drawn 10 ft. to the right (East).

- Type **5 R 45** and press **<ENTER>** to make the line solid.
  Result: A line will be drawn 5 ft. and deflected RIGHT at a 45 degree angle.

➲ You have just drawn a bay window!

- Type **15** and press the **<Right Arrow>**
  Result: A line will be drawn 15 ft. to the right (East).

- Type 1**0** and press the **<Down Arrow>**
  Result: A line will be drawn 10 ft. down (South).

- Type **15 L D 270** and press **<ENTER>** to make the Arc solid.
  Result: A Left-Curving 270 degree Arc and a chord length of 15 ft. will be drawn.

➲ You have just drawn a turret!

- Type **10** and press the **<Down Arrow>.**
  Result: A line will be drawn 10 ft. down (South).

- Type **15** and press the **<Left Arrow>.**
  Result: A line will be drawn 15 ft. to the left (West).

- Type **A** to enable Arcs & Angles Mode.
  Result: The QuickDraw window will be replaced with the Arcs & Angles window.

- Type **5** and press the **<Left Arrow>.**
  Result: A RED trace line will be drawn 5 ft. to the left (West).

- Now, Type **2** and press the **<Up Arrow>.**
  Result: A RED trace line will be drawn 5.3 ft. at a 158.2 degree angle.

- Press **<ENTER>** to make the arc line solid.
  Result: The red Arc will turn black and become solid.

➲ You have just drawn a line using Rise and Run!

- Type **10** and press the **<Left Arrow>.**
  Result: A line will be drawn 10 ft. to the left (West).

- Type **10 R H 5** and press **<ENTER>** to make the Arc solid.
  Result: A Right-Curving Arc will be drawn with a chord length of 10 ft. and a Height of 5 feet.

- Type **20** and press the **<Left Arrow>.**
  Result: A line will be drawn 20 ft. to the left (West).

➲ Oops! We made a mistake. That 20 ft. line should have been 22.1 ft.

- Press the **<Delete>** key once. NOTE: Previous versions used the D key to erase line. The D key is now used to enter Arc Degrees
  Result: The previous 20 ft. line will be erased.

- Type **22.1** and press the <Left Arrow>.
  Result: A line will be drawn 22.1 ft. to the left (West).

- Type **15** and press the **<Up Arrow>**.
  Re*sult:* A line will be drawn 15 ft. up (North).

- Type **C** to close the sketch.
  Result: An 18.1 ft. line will be drawn to close the sketch.

➲ Congratulations! You have finished you first sketch with WinSketch Pro. Please refer to the WinSketch User Manual for additional questions or visit www.winsketch.com. Thank you for choosing WinSketch!