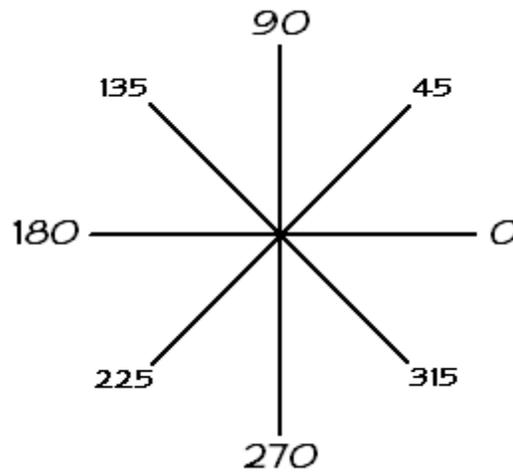


RoofCad Reference

CAD Angles

Angles in RoofCAD work the same as any CAD program. When you draw a line the angle of the line is relative to the starting point. Reference the diagram below when deciding the number to input for an angle. If you think of the diagram as 8 separate lines that start from the center point you can see the angle you would have to enter for each line to run the direction that it does. The angles we display in the diagram are the angles you would use for 90 & 45 degree lines.



Decimal Equivalents to Inches

Back in the day, you had to enter dimensions in RoofCAD using feet and decimal equivalents for inches.

Starting with RoofCAD version 5, all templates and default settings for entering and displaying dimensions are set to feet and inches so this table is a bit of an antique.

We include it here just in case you ever need it.

1"=.08	1-1/4"=.10	1-1/2"=.13	1-3/4=.15
2"=.17	2-1/4"=.19	2-1/2"=.21	2-3/4=.23
3"=.25	3-1/4"=.27	3-1/2"=.29	3-3/4=.31
4"=.33	4-1/4"=.35	4-1/2"=.38	4-3/4=.40
5"=.42	5-1/4"=.44	5-1/2"=.46	5-3/4=.48
6"=.50	6-1/4"=.52	6-1/2"=.54	6-3/4=.56
7"=.58	7-1/4"=.60	7-1/2"=.63	7-3/4=.65
8"=.67	8-1/4"=.69	8-1/2"=.71	8-3/4=.73
9"=.75	9-1/4"=.77	9-1/2"=.79	9-3/4=.81
10"=.83	10-1/4"=.85	10-1/2"=.88	10-3/4=.90
11"=.92	11-1/4"=.94	11-1/2"=.96	11-3/4=.98

This chart is accurate to 2 decimal places only.

Scale Guideline

Here is a general guideline for what scale to set for the size of building and the page size you are using. It is helpful to set a scale before you draw the roof or at least get it close to what the final scale will be. If you start to draw a roof outline with a scale that is not close to what the final scale will be, the outline will either be huge (possibly disappearing off the page) or very small. Of these two conditions only the huge outline is the problem because it will run off the page as you are drawing it, which means you have to draw part or most of the roof outline "blind".

Of course, it is hard to know the scale you need until you see the roof outline on the page. That is why we have published this guideline. Find the roof size under the page size you are using, then set the corresponding scale. To learn how to set a scale, see Section 15, [Drawing Settings](#).

General Scale Guideline

	11 x 8½ Template	14 x 8½ Template	17 x 11 Template
Scale	O/A Size of drwg.	O/A Size of drwg.	O/A Size of drwg.
1" = 10'	60' x 60'	80' x 60'	110' x 80'
1" = 20'	110' x 110'	165' x 125'	245' x 175'
1" = 30'	160' x 180'	250' x 180'	370' x 260'
1" = 40'	240' x 250'	330' x 260'	495' x 355'
1" = 50'	280' x 310'	420' x 330'	620' x 435'
1" = 60'	330' x 380'	500' x 400'	730' x 530'

Digitizer Menu

Print this image for use with your digitizer board

1 Define Workspace	7	8	9	Backspc ←	Select 	↑	Smart Objects
2 Set Scale	4	5	6		Select Layer	↓	Finish Takeoff
Save Drwg	1	2	3	Enter	Deselect All	Page Up	Cancel Takeoff
	0		.		Delete	Page Down	

Plot/CAD-Digitizer True North Calibrating Systems, Inc. copyright 2005-08

Plan to Elevation Pitch Conversions

If you want to digitize from the elevations of a set of plans, you will need to enter the Elevation Pitch not the Plan Pitch that's indicated on the blue print.

Digitizing from elevations has its problems. See Section 31, Advanced Pitched Roof Topics to read more about digitizing from elevations.

Plan View Pitch	Elevation View Pitch
1 /12	144.00 /12
2 /12	72.00 /12
3 /12	48.00 /12
4 /12	36.00 /12
5 /12	28.80 /12
6 /12	24.00 /12
7 /12	20.57 /12
8 /12	18.00 /12
9 /12	16.00 /12
10 /12	14.40 /12
11 /12	13.09 /12
12 /12	12.00 /12
13 /12	11.08 /12
14 /12	10.29 /12
15 /12	9.60 /12
16 /12	9.00 /12
17 /12	8.47 /12
18 /12	8.00 /12
19 /12	7.58 /12
20 /12	7.20 /12
21 /12	6.86 /12
22 /12	6.55 /12
23 /12	6.26 /12
24 /12	6.00 /12

Keyboard Shortcuts

Working with a mouse is OK, but why don't you try some of these shortcut keys?

Press	To
Mouse Wheel	Zooms in and out
Mouse Wheel Button	Pan mode is on while mouse wheel button is held down
F	Fit to window
P	Pan mode is on while P is held down
F5	Refresh or redraw the screen
Esc	Cancels current drawing operation, Switches from any tool to the Pointer tool, Deselects All
C	Toggles large crosshair on & off
O	Toggles Ortho Mode on & off
G	Toggles Grid on & off
M	Activates the move tool
F2	Resets XY readout to zero
F2	Used with CTRL, SHIFT, CTRL+SHIFT to moves cursor without using mouse
CTRL	Snap to corner on while held down
SHIFT	Snap to mid point on while held down
CTRL+SHIFT	Snap to line on while held down
F3	All Snaps off
CTRL +	Increases the size of selected symbols
CTRL -	Decreases the size of selected symbols
DEL	Deletes selected objects or deletes a selected line from roof
TAB	Selects the next line of a roof
SHIFT+TAB	Selects the previous line of a roof
HOME	Cycles forward through the objects on a drawing
END	Cycles backward through the objects on a drawing

CTRL+C	Copy a selected drawing object
CTRL+V	Paste a selected drawing object
CTRL+Z	Undo the last action
CTRL+Y	Redo the last action
+	Zoom in 10%
-	Zoom out 10%
CTRL+N	Open a new "empty" drawing
CTRL+O	Open a drawing
CTRL+S	Save a drawing
CTRL+W	Close a drawing
CTRL+X	Cut a selected drawing object
CTRL+C	Copy a selected drawing object
[Rotates highlighted item clockwise
]	Rotates highlighted item counterclockwise