Architectural scale chart

Ratio 1:n uses the same units on paper and in reality. The real / paper scale factor is n.
Drawing length = real length / n. Real length = drawing length x n. Convert units first.

Metric

SCALE	RATIO	FACTOR
1:1	1:1	1
1:2	1:2	2
1:5	1:5	5
1:10	1:10	10
1:20	1:20	20
1:25	1:25	25
1:50	1:50	50
1:75	1:75	75
1:100	1:100	100
1:125	1:125	125
1:150	1:150	150
1:200	1:200	200
1:250	1:250	250
1:500	1:500	500
1:1000	1:1000	1000
1:1250	1:1250	1250
1:2000	1:2000	2000
1:2500	1:2500	2500

Architectural

SCALE	RATIO	FACTOR
1/16" = 1'-0"	1:192	192
3/32" = 1'-0"	1:128	128
1/8" = 1'-0"	1:96	96
3/16" = 1'-0"	1:64	64
1/4" = 1'-0"	1:48	48
3/8" = 1'-0"	1:32	32
1/2" = 1'-0"	1:24	24
3/4" = 1'-0"	1:16	16
1" = 1'-0"	1:12	12
1 1/2" = 1'-0"	1:8	8
2" = 1'-0"	1:6	6
3" = 1'-0"	1:4	4

Engineering

SCALE	RATIO	FACTOR
1" = 10'	1:120	120
1" = 20'	1:240	240
1" = 30'	1:360	360
1" = 40'	1:480	480
1" = 50'	1:600	600
1" = 60'	1:720	720
1" = 70'	1:840	840
1" = 80'	1:960	960
1" = 90'	1:1080	1080
1" = 100'	1:1200	1200

Example: 1/4 inch on paper = 1 foot in reality. 12 / (1/4) = 48, so the ratio is 1:48.

Reference table only. This page is not a physical measuring ruler. Check a known dimension on your drawing.