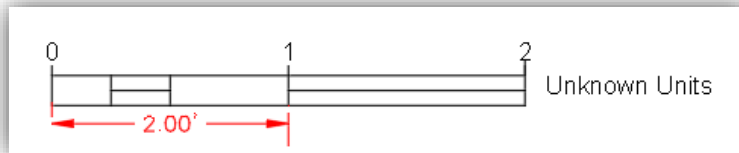**CCE 201: How to scale using a referenced object. Example using scale bars**

1. INSERT – scale bars as a block (on our public drive under ACAD – Symbols)
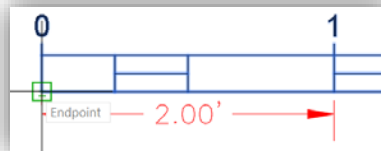
2. Explode scale bars

Scale bar is incorrect size, as shown below. Instead of being 2 inches it should be 1 inch

Figure 1 Scale bar measured for size

3. Use command: SCALE
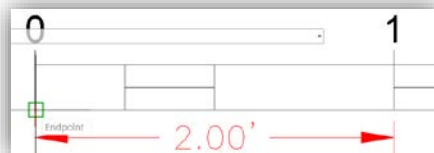
      a.   Pick base point
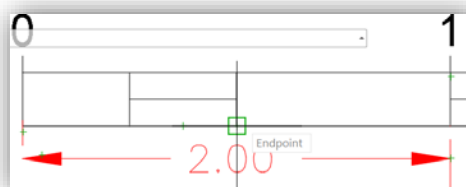

Figure 2 Base point selected

      b.   R (reference)
      c.   Click at the first point of the known dimension, then select the end point of said dimension.

Figure 3 First point selected

Figure 4 Second point selected

d. Enter the "true length" of said dimension or pick "true length" and press Enter
    i. In our example type 1 – enter

4. Go to Properties and change: 1 to 50', 2 to 100' and scale – 1" = 50'

d4	0.09
Attributes	
Map.ScaleBar....	1"=50'
Map.ScaleBar....	0
Map.ScaleBar....	50'
Map.ScaleBar....	100'

0	50'	100'
		1"=50'