**CADD-101 \_ Reference Sheet No. 2 Spring 2015**

**Line Type Scale (LTS)**

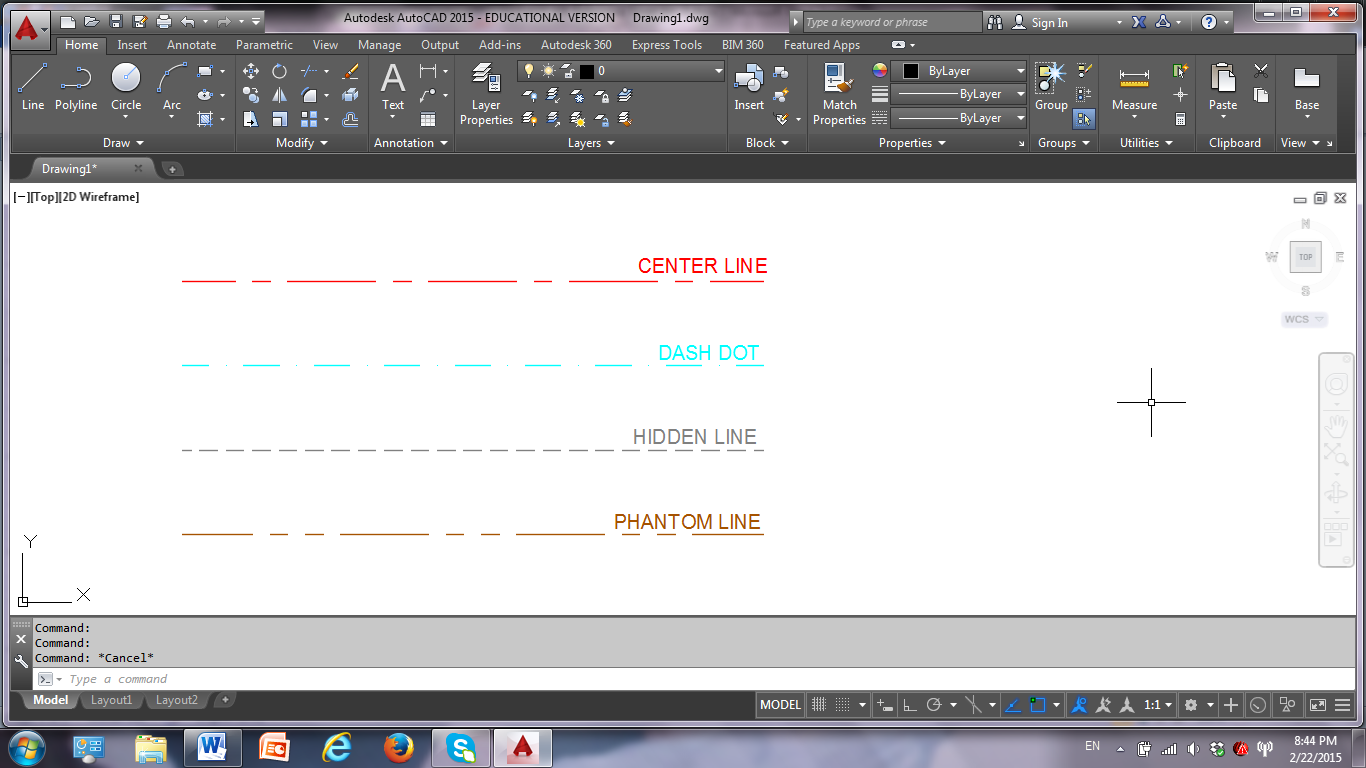
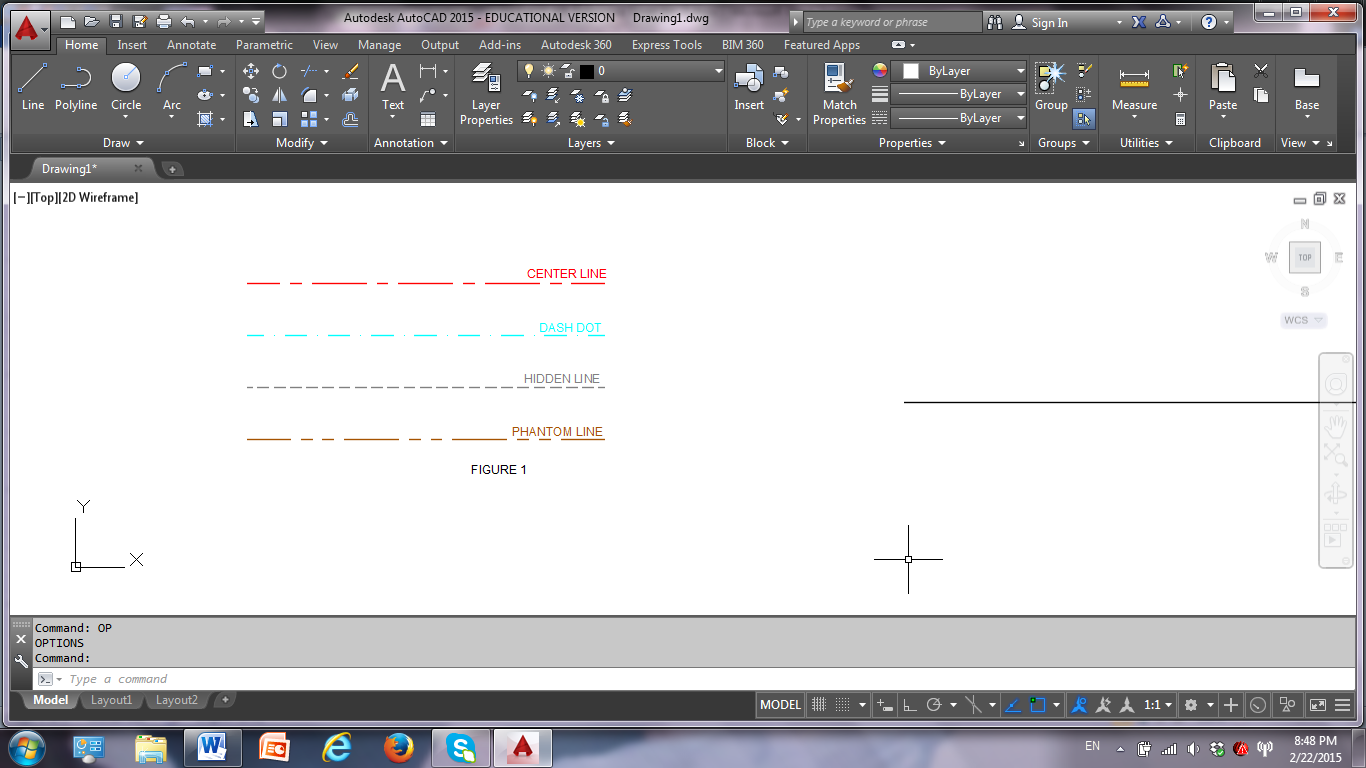
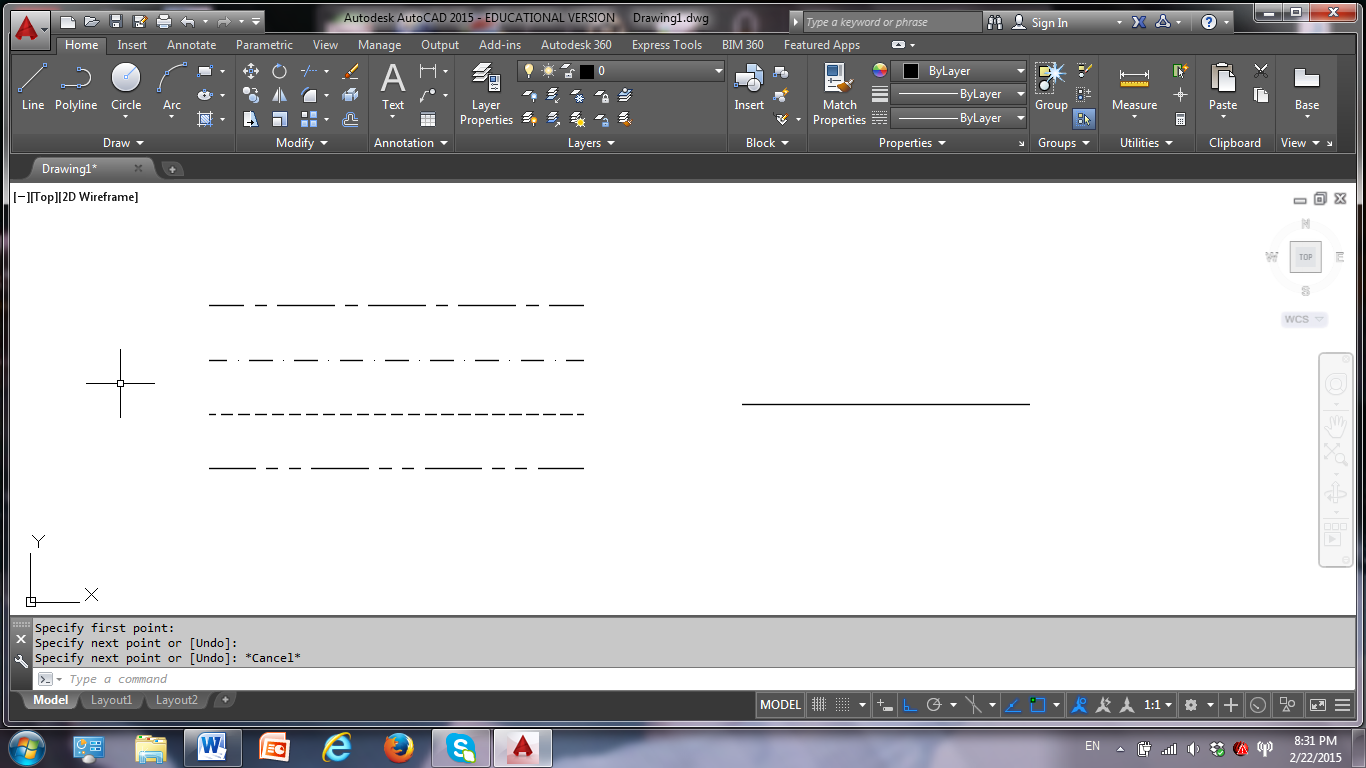
Line type scale is a feature in AutoCAD that controls the lengths of dashes and spaces of line types in AutoCAD drawings.

Figure 1 shows some of the line types that are used in AutoCAD drawings.

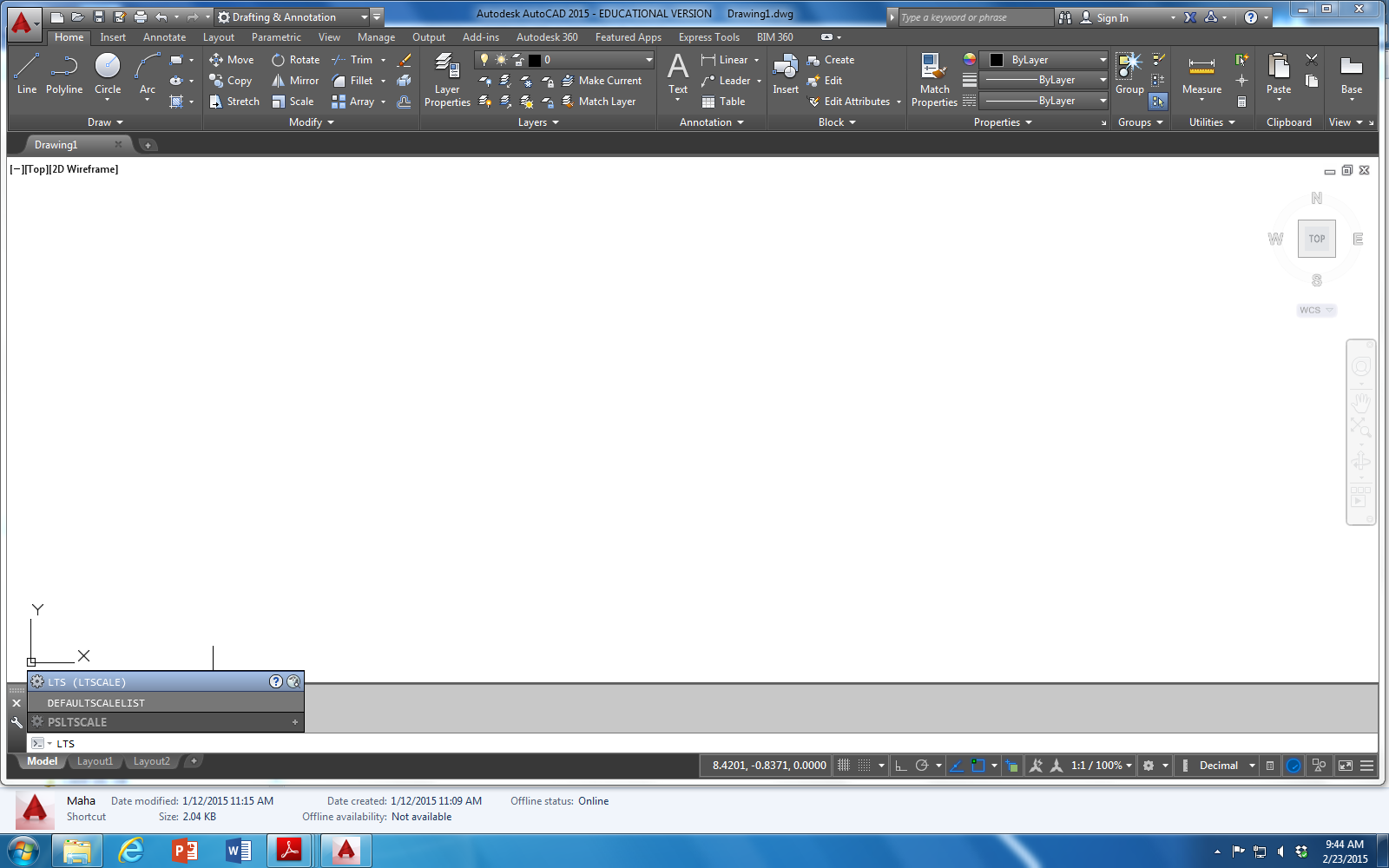
The appearance of line types that include dashes and spaces is affected by the line type Scale.



Line type scale applies to all line types in AutoCAD drawings except **“Continuous.”**

For any AutoCAD drawing with line types, the **L**ine **T**ype **S**cale (**LTS**) value is determined by the drawing’s **Scale Factor** **multiplied by** **1/2**:

* That is: **LTS = (S.F. X .500)**

Using this **LTS** formula is considered for a global line type scale which applies the same **LTS** **value** to all line types in the drawing.

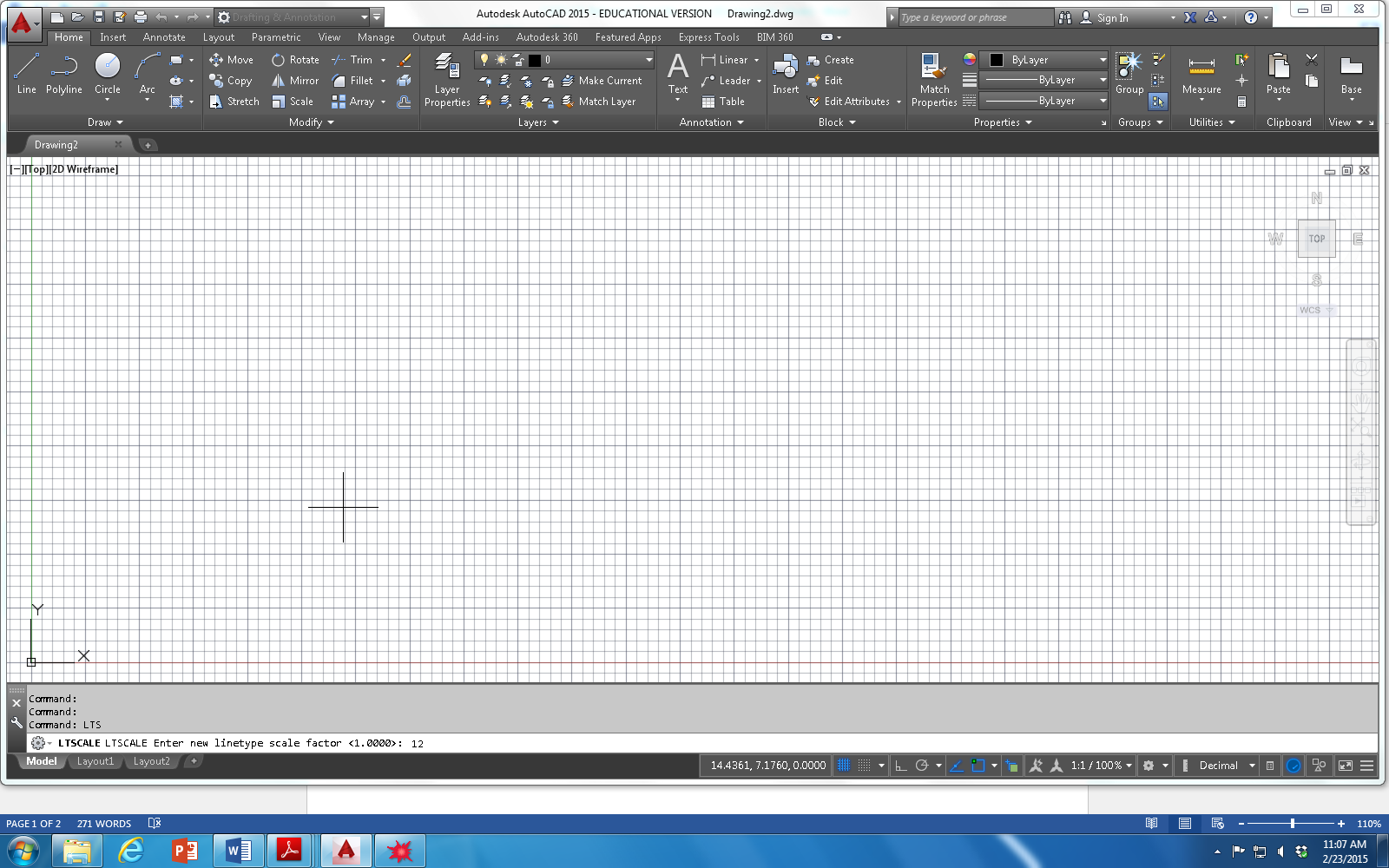
To issue the LTScale Command,

Type: **LTS** ↵

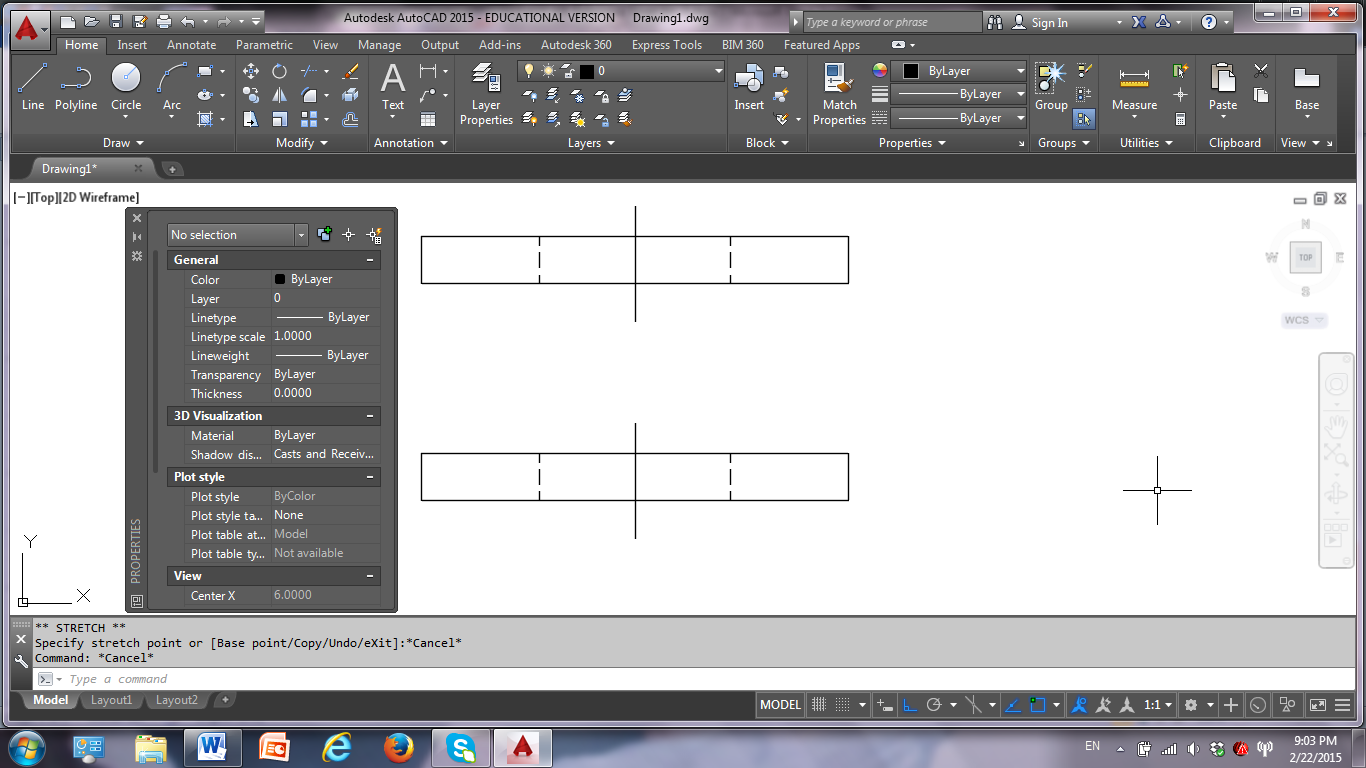
Type the LTScale **Value** (S.F. X .500) ↵

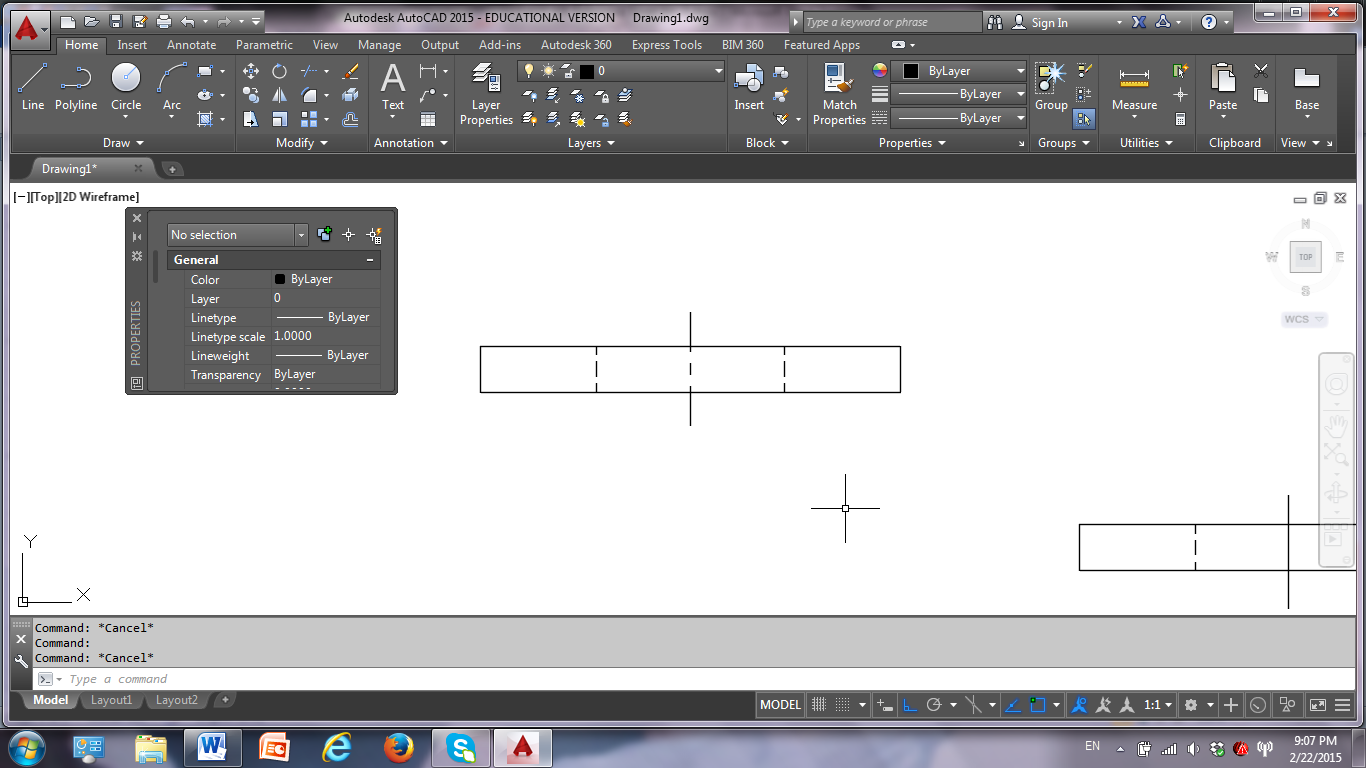
Example:

For a drawing that has a scale factor 1=24, the **LTS = 12** (24X.500)

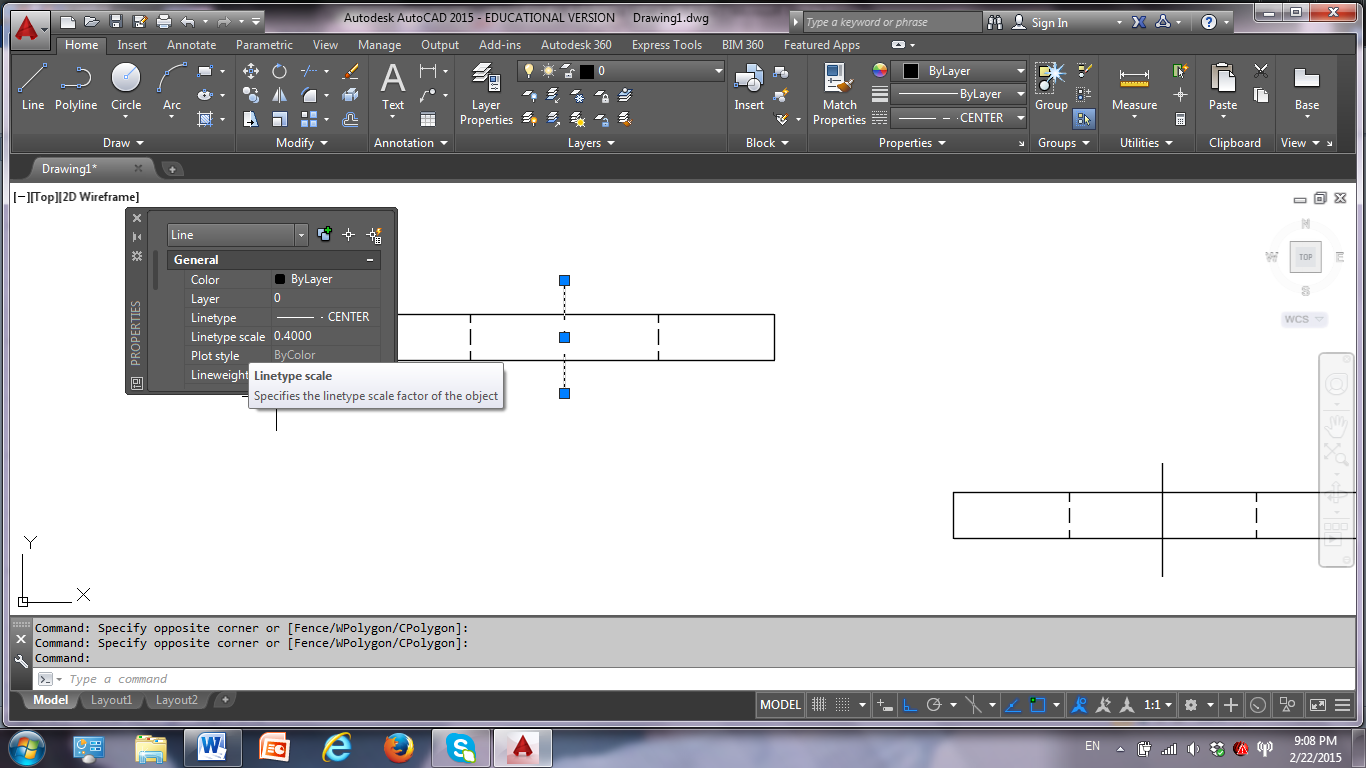


In some cases; however, the above **LTS** formula may not present the desired appearance for a particular line type in a drawing. Sometimes, the formula may work for all line types in the drawing leaving one or more lines with the wrong line type scale display. In such a case, we need to override the **LTS** using the **Properties Window (Ctrl 1)**.

1. Global Line Type Scale effect



1. Changing the **LTScale** in the **Properties Window**:



1. Override effect on the centerline

Use the **Properties Window** (Ctrl 1) to override /adjust the **LTScale** value for line types that don’t show the correct display when using the **Global LTS** Formula.

To open the Properties Window, you may

1. Select an object, then right click and select **PROPERTIES** from the short-cut menu.
2. Pick the dialog box arrow on the properties panel properties
3. Type:

**CH↵**

**Properties↵**

**MO↵**

**PR↵**

1. **Double-click (on most objects)**