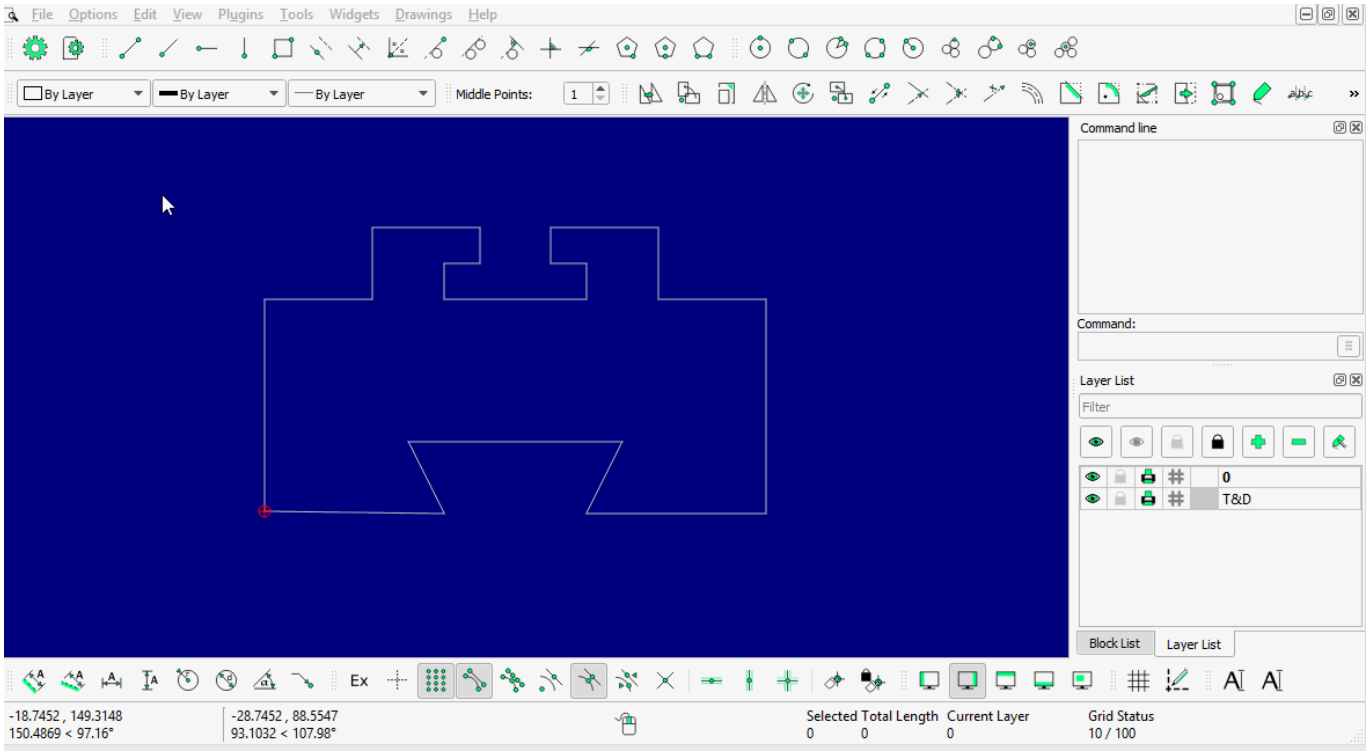
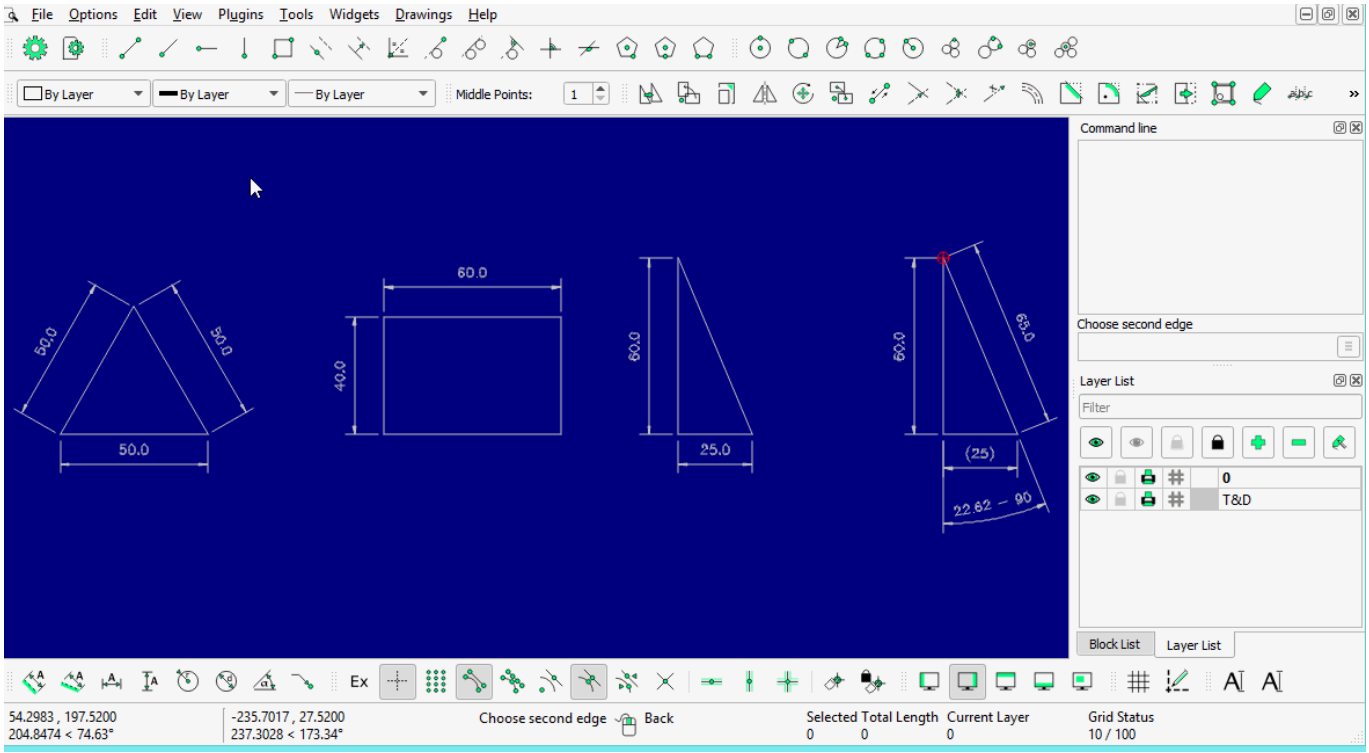
# LINE

## LINE: 2 Points

- click the icon.
- specify **first point** (left-click).
- specify **second point**
- **Right-click** to 'back' or press 'Esc' to exit.



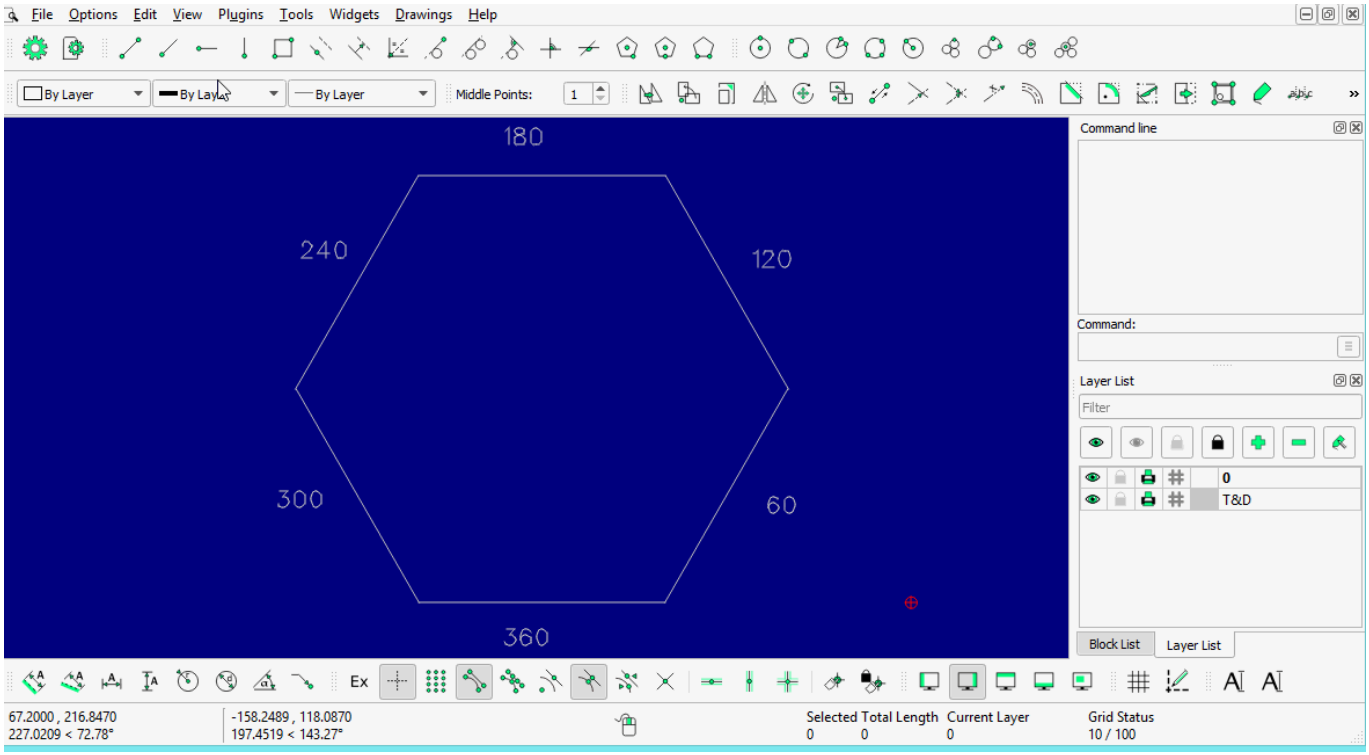



2 `points` with more detail (tips for drawing a specific length of a line; type the BOLD one into command-line).

- specify the First point (left-click).
- **@50<0** for straight line.
- **@50,50** for Square or **@50,30** for Rectangle.
- **@60<120** for 60mm line at 120 degrees. (try {-} (minus) symbol before 'degree' and see what happen!!)

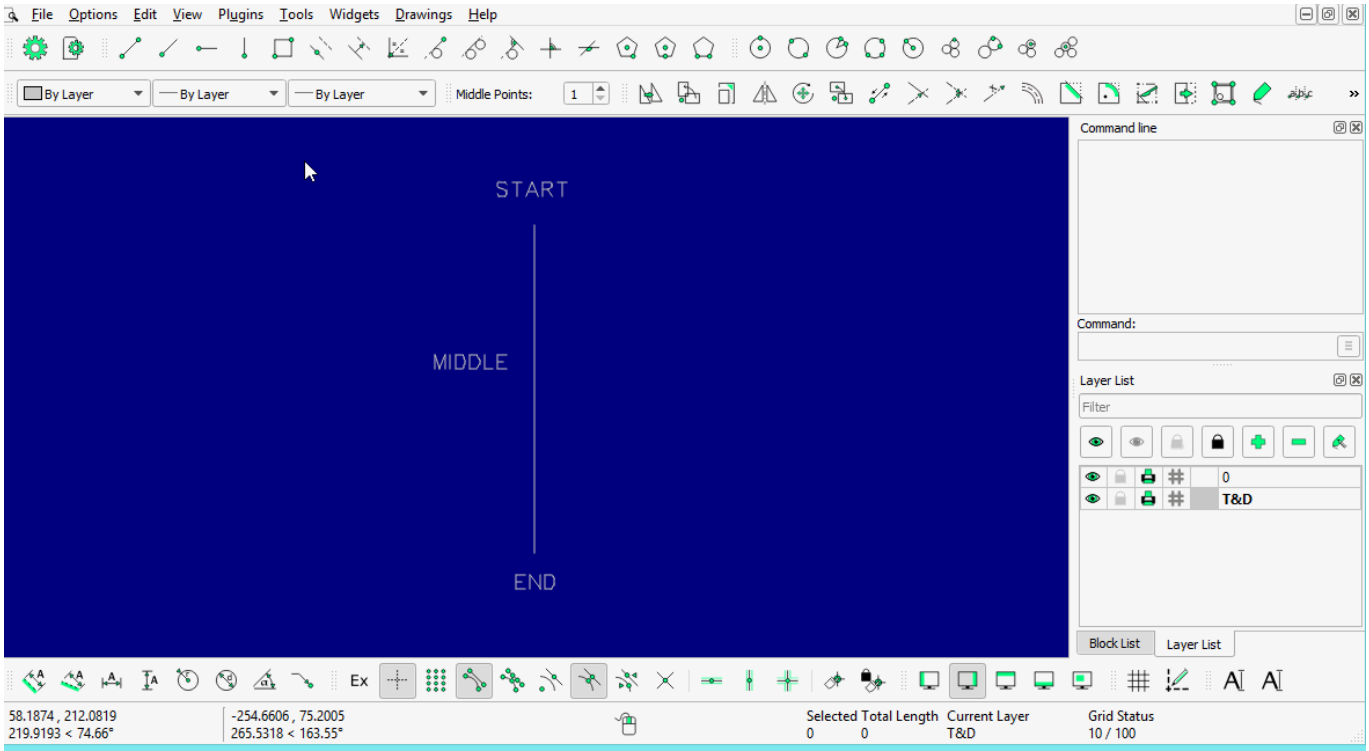
## LINE: Angle

- click the icon
- enter **angle** (see 'tool option')
- enter **length**
- specify **start, middle**, or **end** snap point
    - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



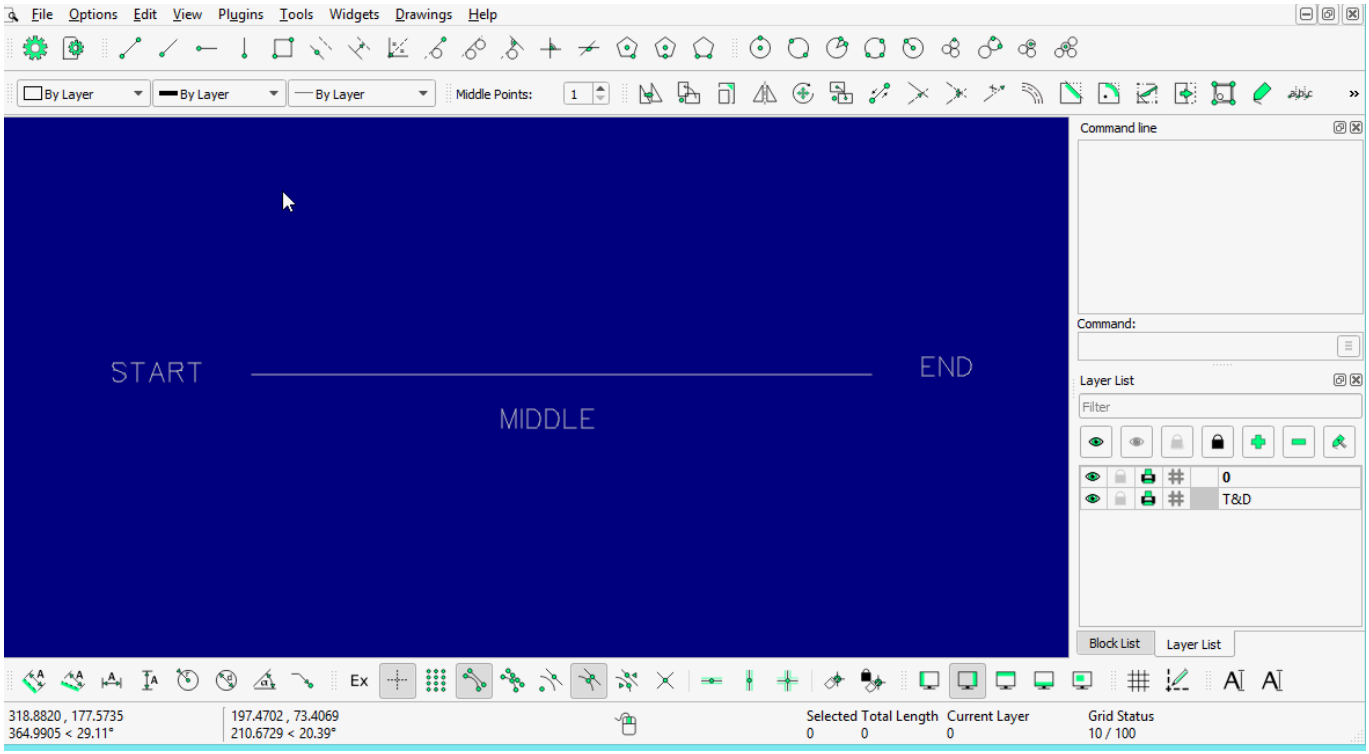

## LINE: Horizontal

- click the icon
- enter **length**
- specify **start, middle**, or **end** snap point
  - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



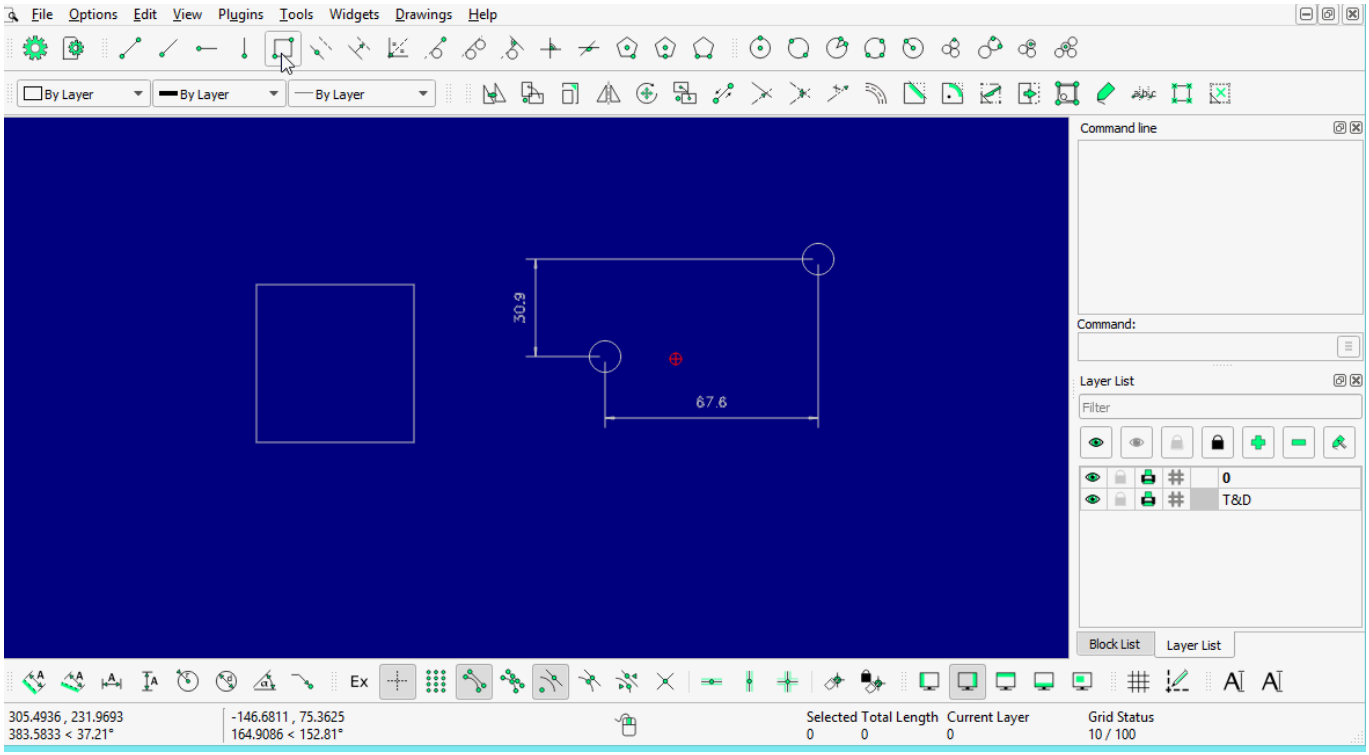
## LINE: Vertical

- click the icon
- enter **length**
- specify **start, middle**, or **end** snap point
    - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



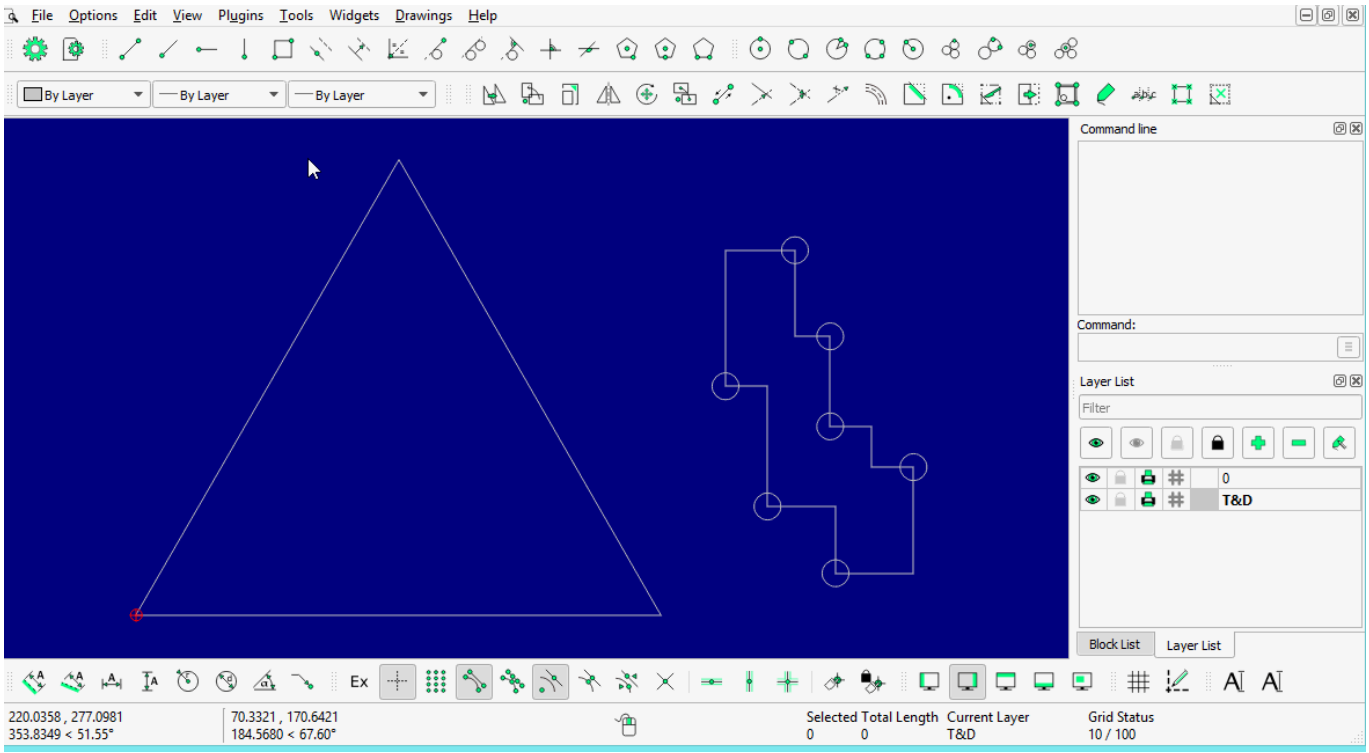

## LINE: Rectangle

- click the icon
- specify **first corner**
- specify **second corner**
- **Right-click** to 'back' or press 'Esc' to exit



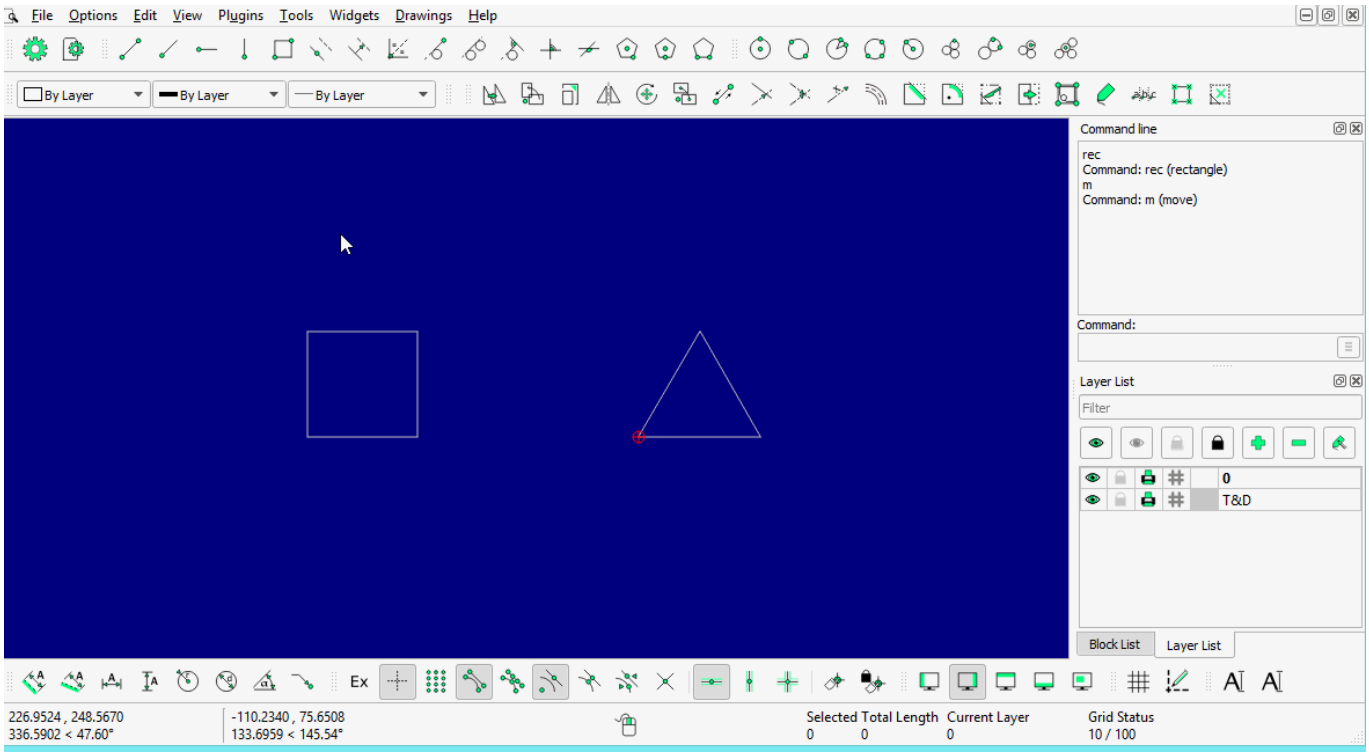

## LINE: Parallel through point

- click the icon
- select **entity**
- specify through **point** (click at specific point or anywhere to repeat the process)
- **Right-click** to 'back' or press 'Esc' to exit



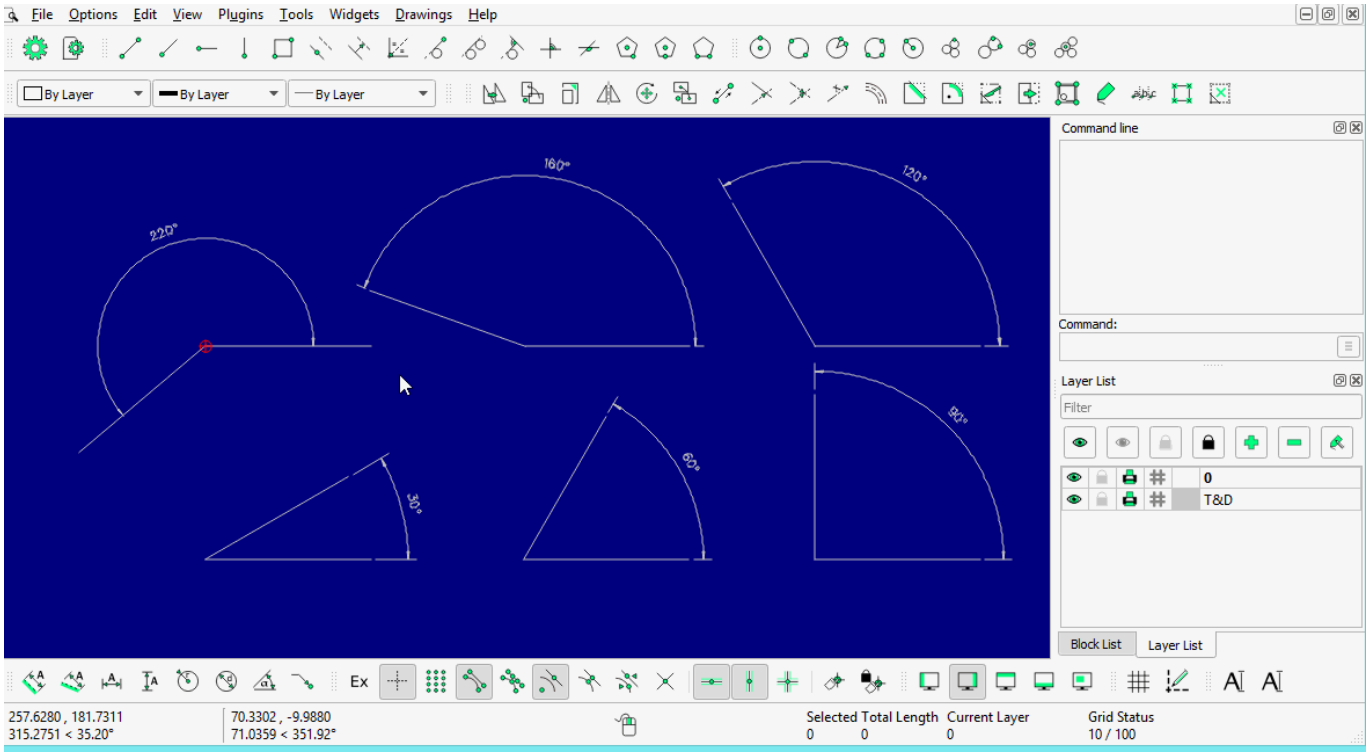
## LINE: Parallel

- click the icon
- enter the **distance** and **number** of copies required OR
    - select **entities** and repeat it as required
- **Right-click** to 'back' or press 'Esc' to exit



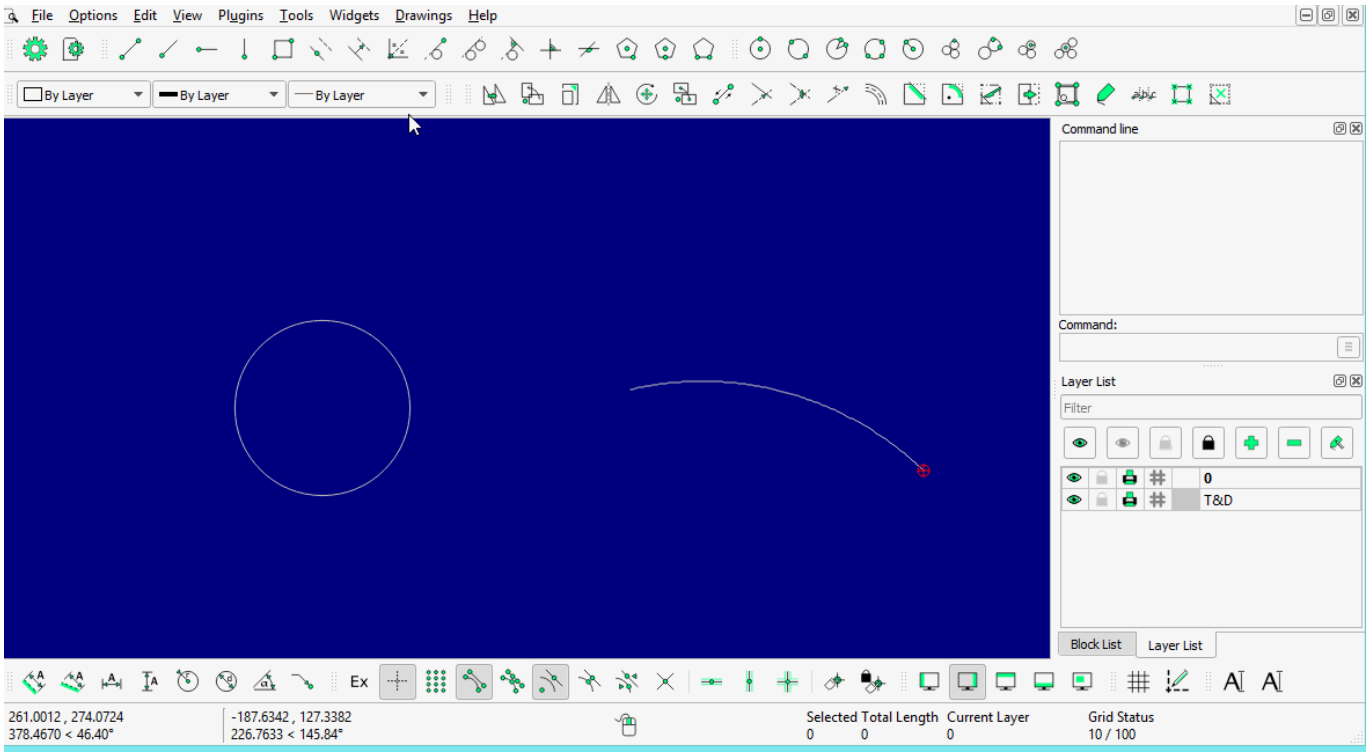

## LINE: Bisector

- click the icon
- enter **length** and **number** (from tool option)
    - select **first line**
    - select **second line**
- **Right-click** to 'back' or press 'Esc' to exit



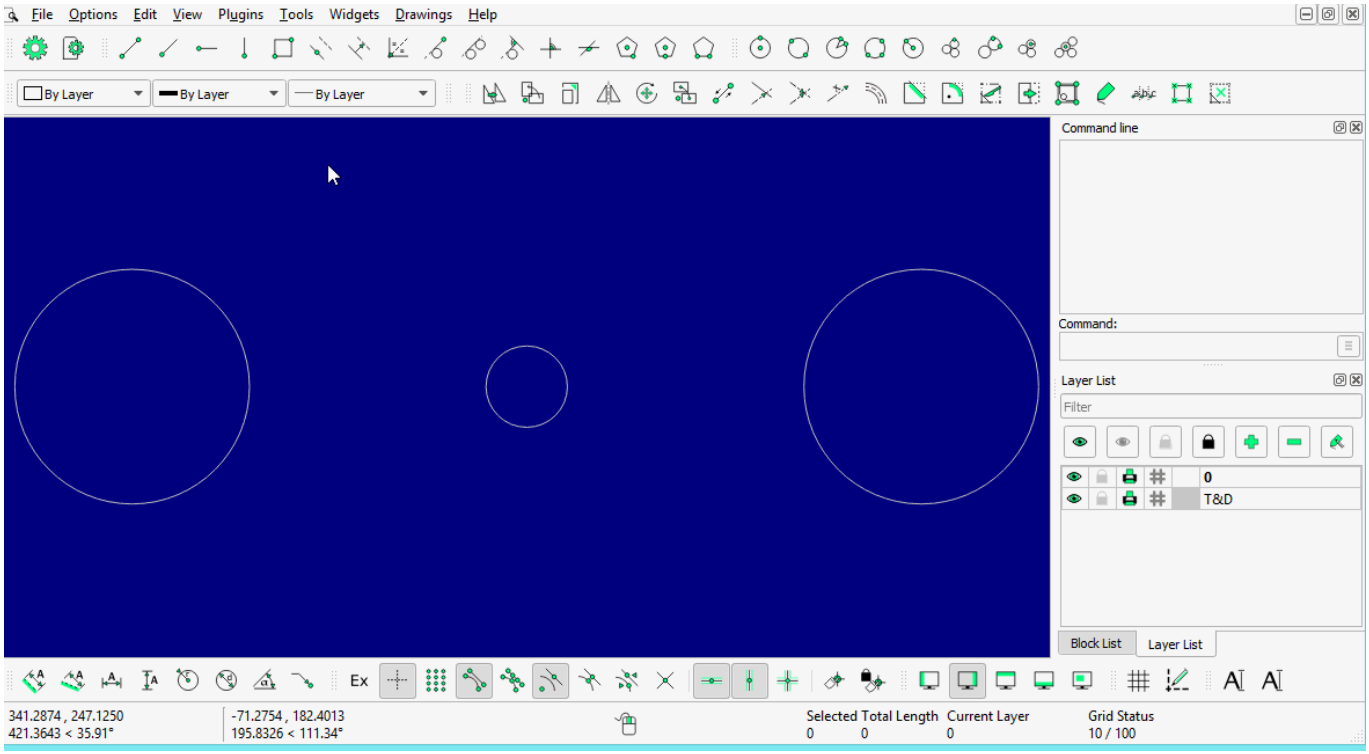

## LINE: Tangent (P,C)

- click the icon
- specify **point**
- select **circle, arc or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit



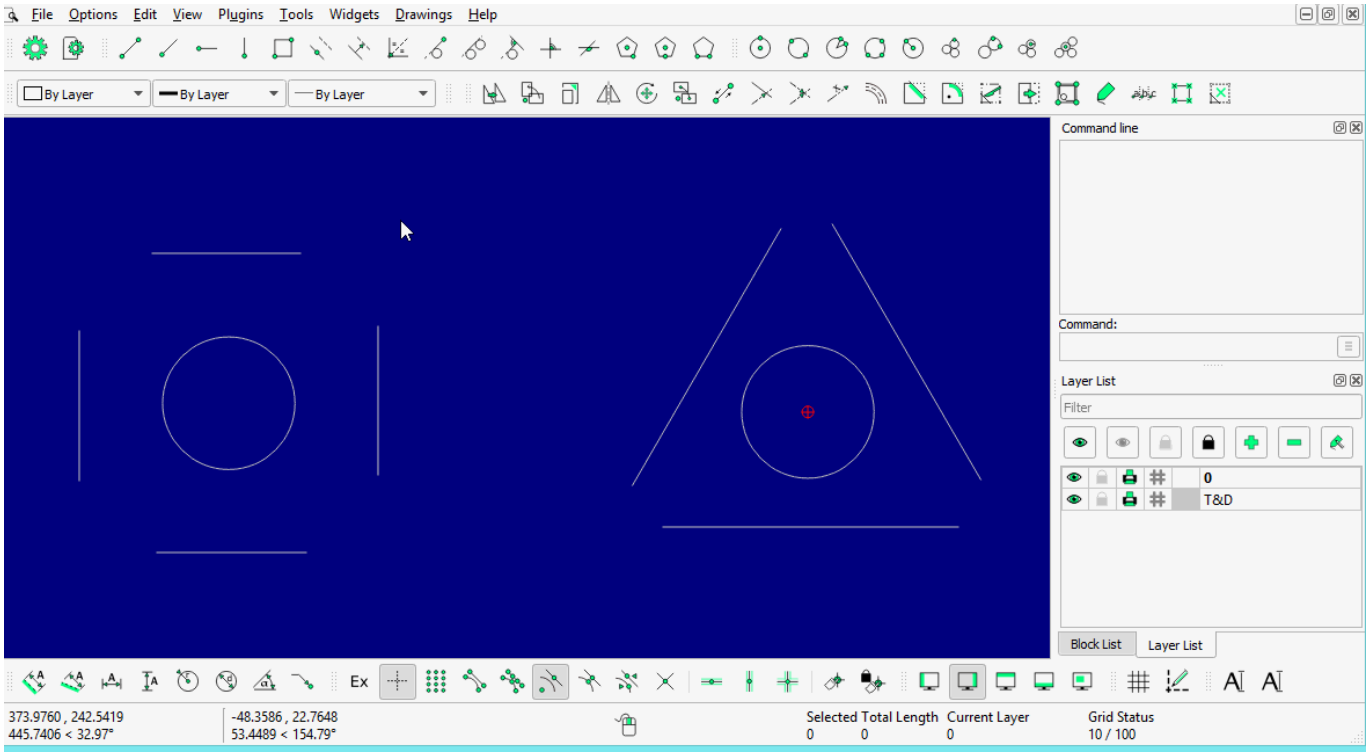
## LINE: Tangent (C,C)

- click the
- select **first circle or ellipse**
- select **second circle or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit



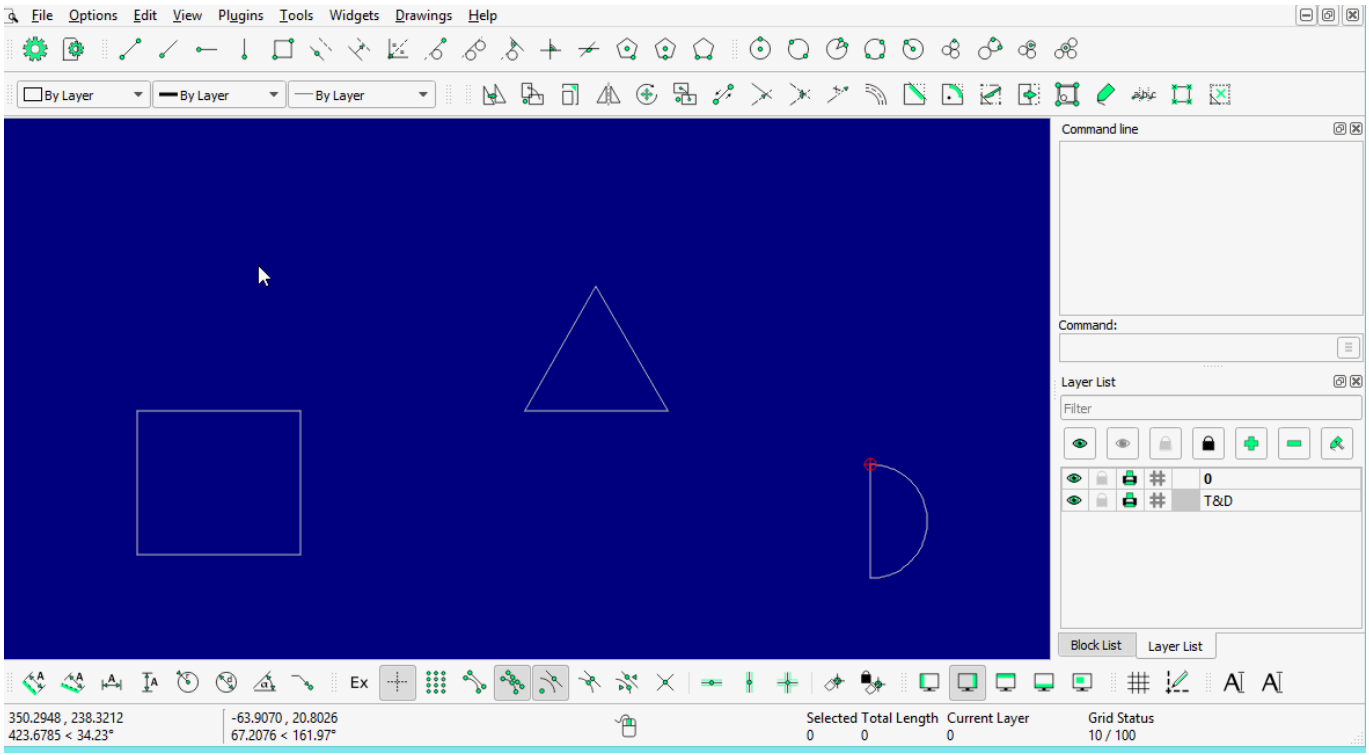

## LINE: Tangent Orthogonal

- click the icon
- select a **line**
- select **circle, arc or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit



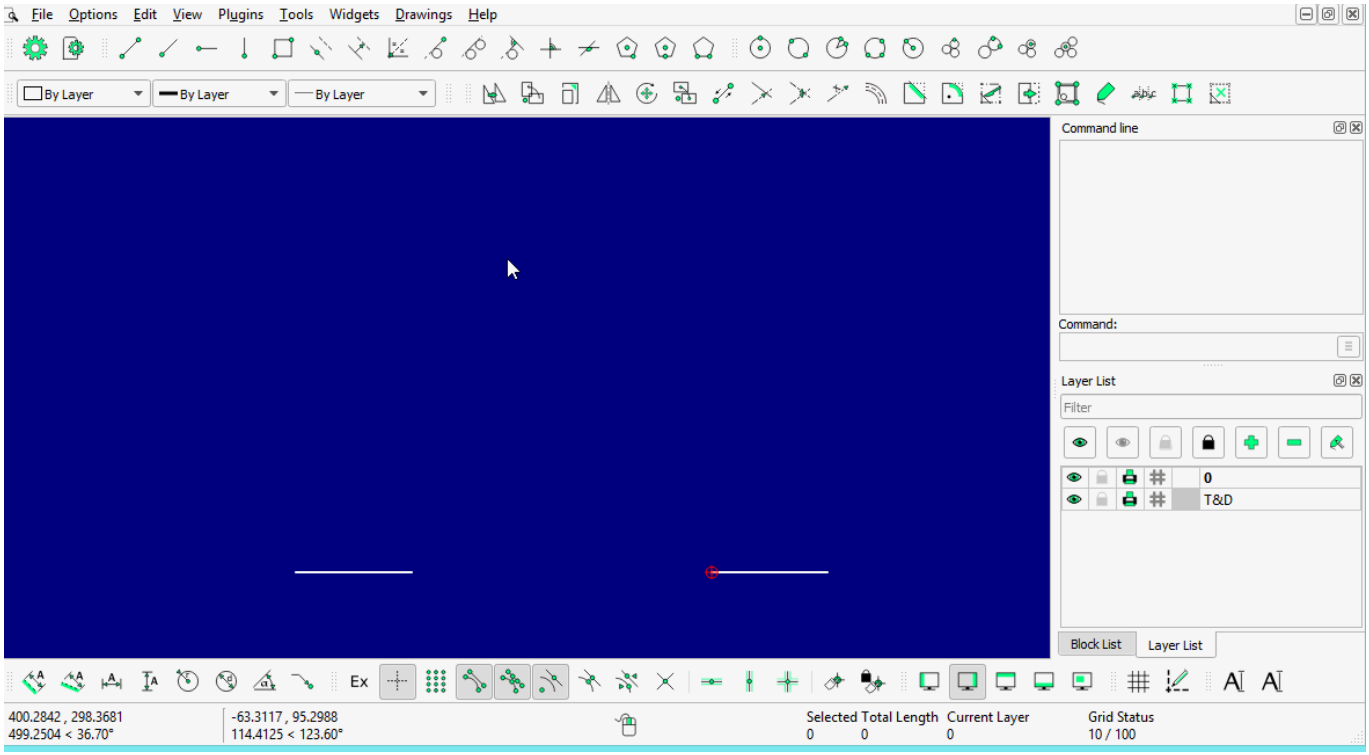

## LINE: Orthogonal

- click the icon



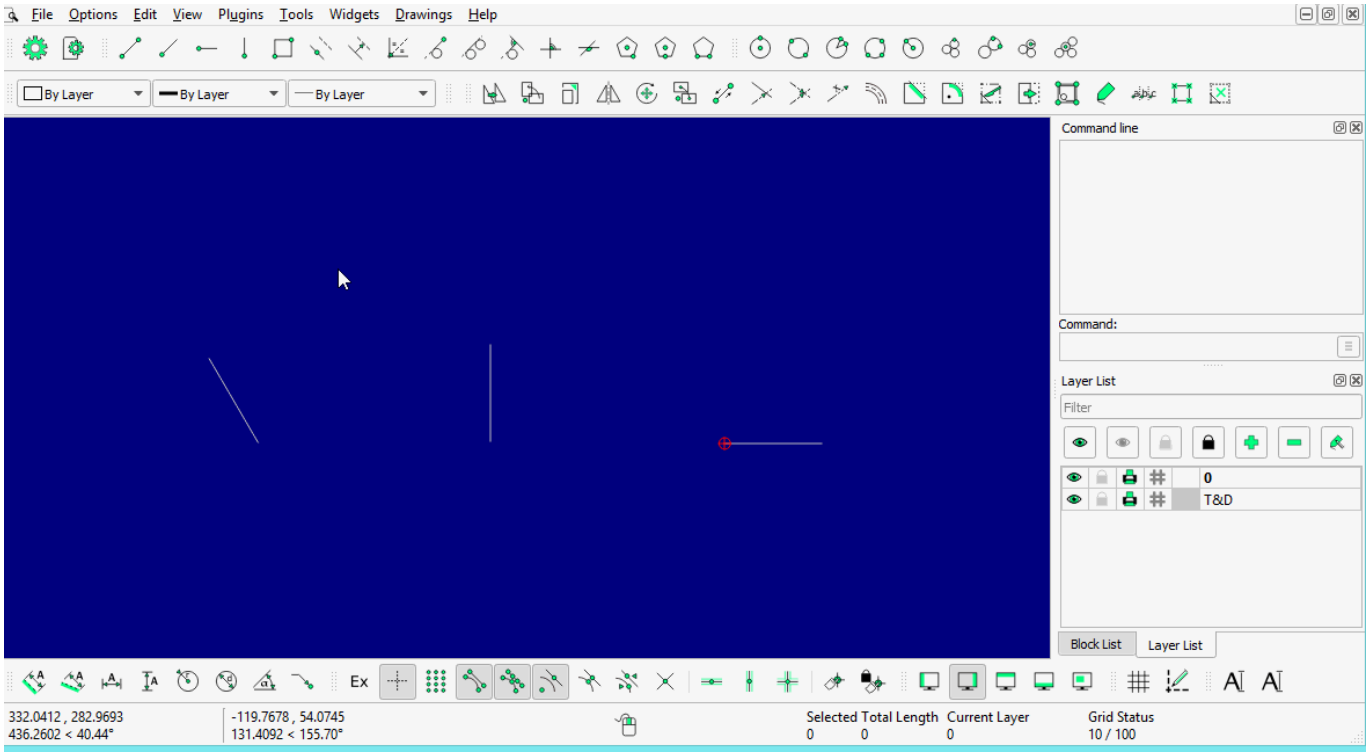

## LINE: Relative Angle

- click the icon




## LINE: Polygon [(Cen,Cor), (Cen,Tan), (Cor,Cor)]

- click the icon **OR**
  - click the icon **OR**
    - click the icon
- enter **number** of sides as required
- specify **first corner**
- specify **second corner**
- **Right-click** to 'back' or press 'Esc' to exit

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