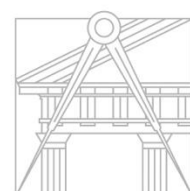


Representação Digital



20221310

BRUNA COELHO



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Aula 02 – 12 Setembro
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Aula 26 – 05 Dezembro
Aula 27 – 11 Dezembro
Aula 28 – 12 Dezembro

Aula 01 - Apresentação


```

1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title> home.fa.ulisboa.pt/~20221310/ </title>
5  </head>
6  <body>
7
8    <h1> Bruna Coelho </h1>
9    <h1> 20221310 </h1>
10  <style>
11  .container {
12    position: relative;
13  }
14
15  img {
16    width: 20%;
17    height: auto;
18    opacity: 1;
19  }
20 </style>
21 <div class="Foto de Bruna Coelho">
22   
23
24   <br>
25   <h1>Representa&ccedil;&atilde;o Digital - Turma 2&ordm;I</h1>
26   <h2>2025/2026</h2>
27   <h3> Prof. Nuno Al&atilde;o</h3>
28
29 <style>
30 a:link {
31   color: yellowgreen;
32 }
33
34 a:visited {
35   color: darkslategray;
36 }
37
38 a:hover {
39   color: lightgoldenrodyellow;
40 }
41
42 </style>
43
44 <p>Mestrado Integrado em Arquitetura, na
45   <a href="https://www.fa.ulisboa.pt"> Faculdade de
46   Arquitetura</a> da Universidade de Lisboa</p>
47
48 <body style="background-color:darkseagreen"> </body>
49 <body>
50 <br>
51 <br>
52 <a href=""> <h2>Caderno Di&aacute;rio </h2></a>
53 </body>
54   <footer class="fixar-rodape">

```

Favoritos

-  AirDrop
-  Recentes
-  Aplicações
-  Secretária
-  Documentos
-  Descargas
-  Imagens

iCloud

-  iCloud Drive
-  Partilha

Locais

-  Installer 
-  OneDrive

Identificadores

-  Vermelho
-  Laranja
-  Amarelo
-  Verde
-  Azul
-  Roxo
-  Cinzento
-  Todos...



Auto retrato.PNG



index.html

Bruna Coelho

Nº do Aluno:

20221310

Curso:

ARQ 2º Ano Turma I

Ano Letivo:

2025/2026

Professor:

Nuno Alão

🏠

Faculdade de Arquitetura - ULisboa

✉

coelhobruna230@gmail.com

DIÁRIO DE REPRESENTAÇÃO DIGITAL

Exercício 01



Ficheiro remoto/local	Direcção	Ficheiro remoto	Tamanho	Prioridade	Estado
 20221310@home.fa.uli...					
 /Users/brunacoelho/Do.	-->	/public_html/index.html	0	Normal	

Drafting Modeling << + | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

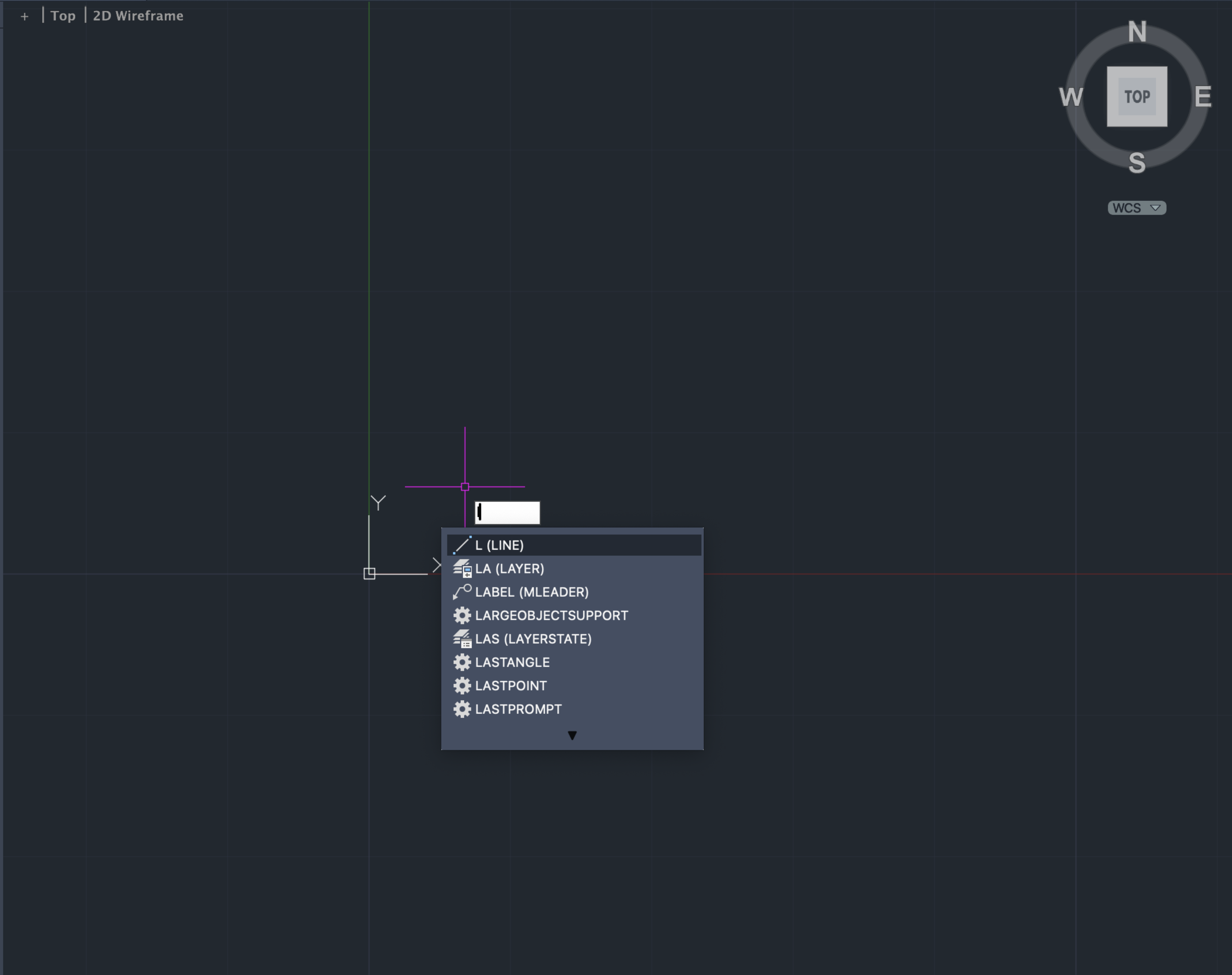
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● ■ 0

Unsaved Layer State

▼ Hide Layer List

▼ Name

● ■ 0

Search for layer

Properties

All My

Model Space

Color

■ ByLayer

Layer

0

Linetype

—— ByLayer

Linetype sc...

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Comandos para criar uma linha
L (line) ↵ (enter) 10,10 ↵ (enter)

Specify first point: 10 10

Drafting | Modeling << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Show, Freeze, Thaw, Lock, Hide, Show, Freeze, Thaw

Text

- Text, Text Style, Text Align, Text Justify, Text Orientation, Text Color, Text Layer, Text Linetype, Text Lineweight, Text Transparency, Text Style

Dimension

- Dimension Line, Dimension Value, Dimension Extension Line, Dimension Arrow, Dimension Text, Dimension Line Style, Dimension Value Style, Dimension Extension Line Style, Dimension Arrow Style, Dimension Text Style, Dimension Line Color, Dimension Value Color, Dimension Extension Line Color, Dimension Arrow Color, Dimension Text Color, Dimension Line Layer, Dimension Value Layer, Dimension Extension Line Layer, Dimension Arrow Layer, Dimension Text Layer, Dimension Line Linetype, Dimension Value Linetype, Dimension Extension Line Linetype, Dimension Arrow Linetype, Dimension Text Linetype, Dimension Line Lineweight, Dimension Value Lineweight, Dimension Extension Line Lineweight, Dimension Arrow Lineweight, Dimension Text Lineweight, Dimension Line Transparency, Dimension Value Transparency, Dimension Extension Line Transparency, Dimension Arrow Transparency, Dimension Text Transparency, Dimension Style

Leader

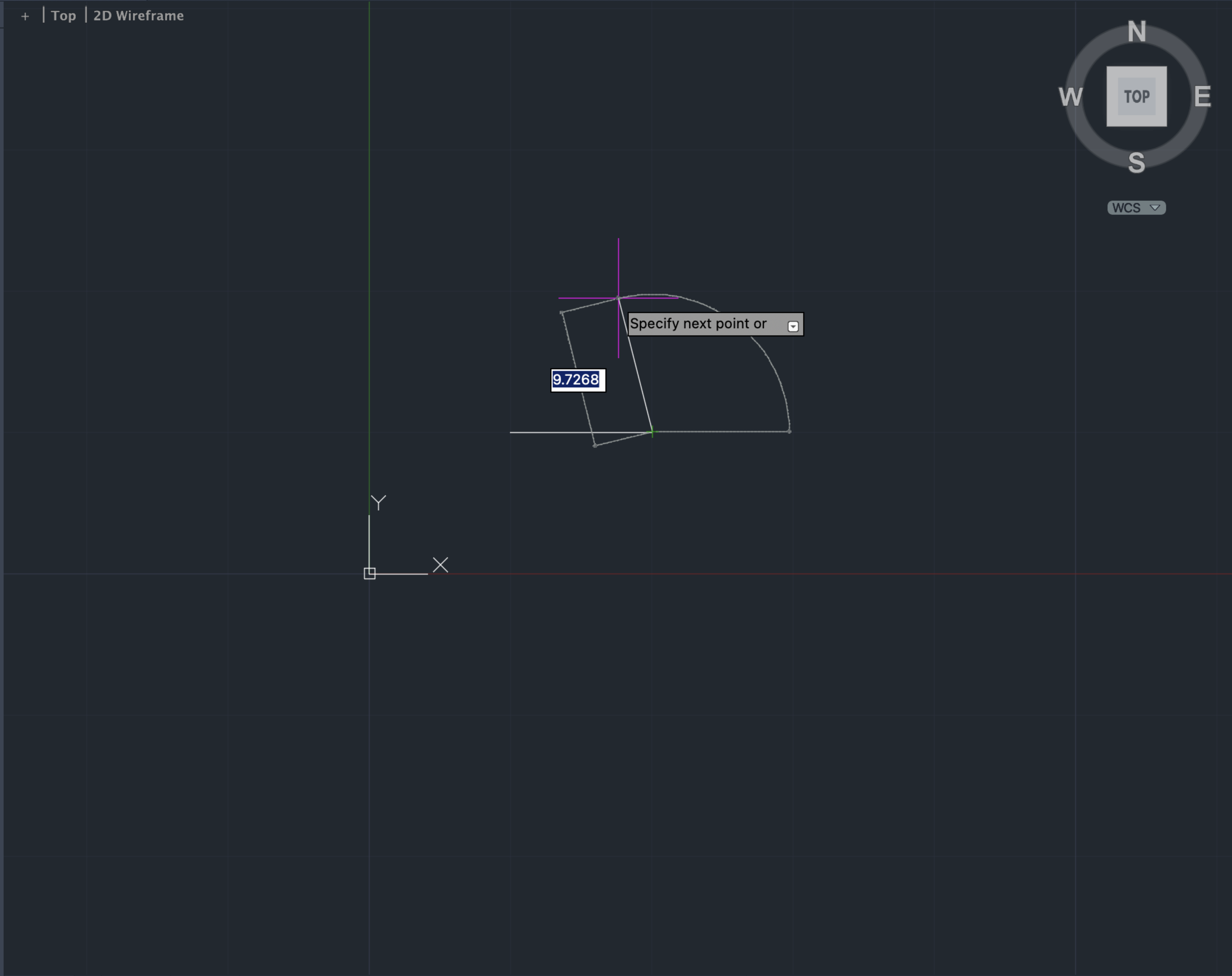
- Leader Line, Leader Arrow, Leader Text, Leader Line Style, Leader Arrow Style, Leader Text Style, Leader Line Color, Leader Arrow Color, Leader Text Color, Leader Line Layer, Leader Arrow Layer, Leader Text Layer, Leader Line Linetype, Leader Arrow Linetype, Leader Text Linetype, Leader Line Lineweight, Leader Arrow Lineweight, Leader Text Lineweight, Leader Line Transparency, Leader Arrow Transparency, Leader Text Transparency, Leader Style

Table

- Table, Table Style, Table Color, Table Layer, Table Linetype, Table Lineweight, Table Transparency, Table Style

Parametric

- Parametric Constraint, Parametric Dimension, Parametric Equation, Parametric Formula, Parametric Geometry, Parametric Property, Parametric Style, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Lineweight, Parametric Transparency, Parametric Style



Layers

Layers list: 0 (Unsaved Layer State)

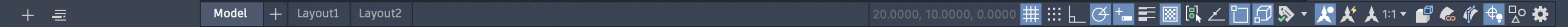
Hide Layer List

Search for layer

Properties

Model Space

- Color: ByLayer
- Layer: 0
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard



Drafting | **Modeling** | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

Modify

- Move, Rotate, Scale, Mirror, Offset, Trim, Extend, Fillet, Chamfer, Break, Split, Join, Weld, Align, Distribute, Measure, List, Undo, Redo, Copy, Paste, Delete

Text

- Single Line Text, Multiline Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Background Color, Text Background Style, Text Background Fill

Dimension

- Horizontal, Vertical, Aligned, Angular, Radius, Diameter, Ordinate, Spot, Center Mark, Dimension Line, Dimension Value, Dimension Text, Dimension Line Style, Dimension Line Color, Dimension Line Layer, Dimension Line Background Color, Dimension Line Background Style, Dimension Line Background Fill

Leader

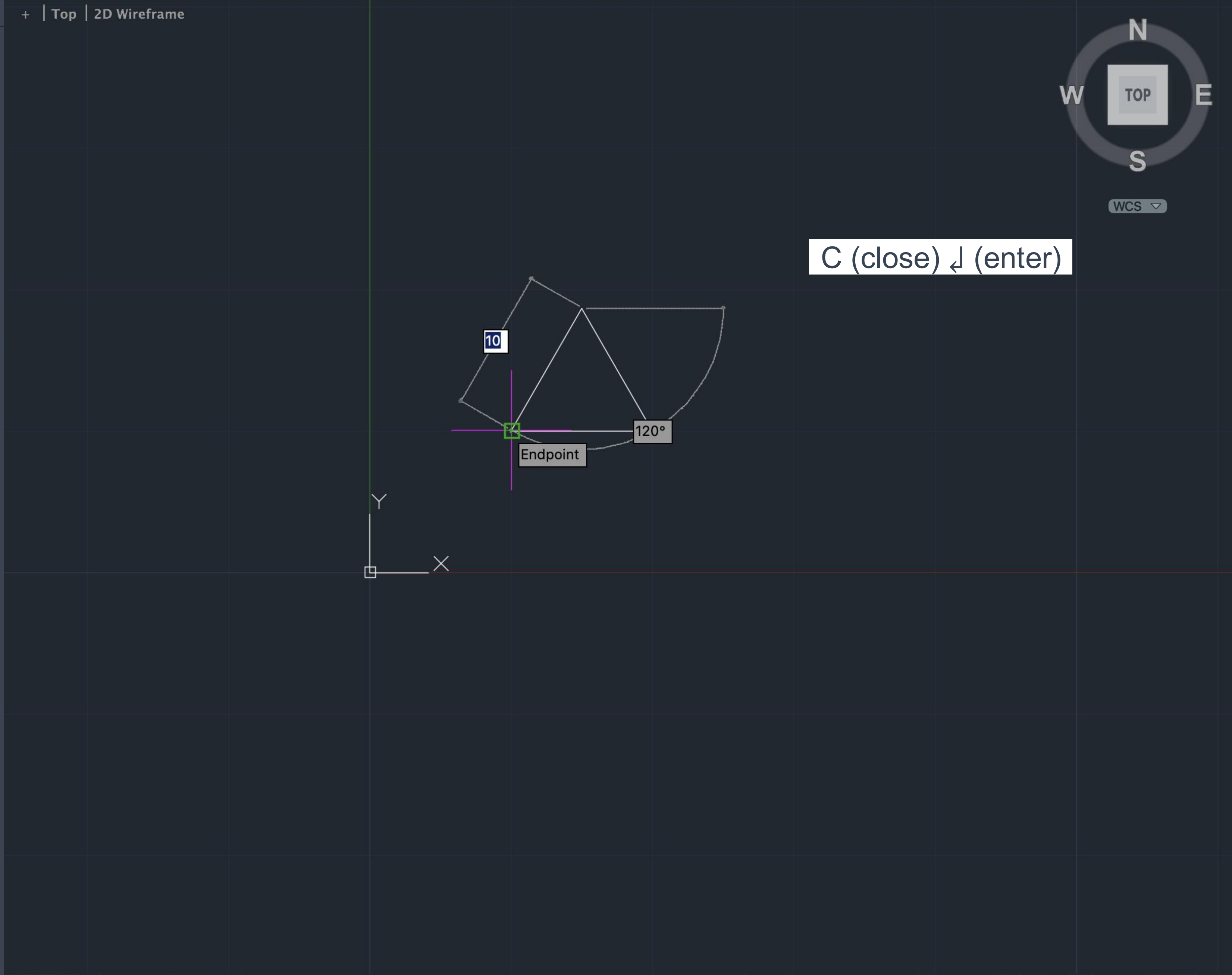
- Leader Line, Leader Text, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Layer, Leader Background Color, Leader Background Style, Leader Background Fill

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Layer, Table Background Color, Table Background Style, Table Background Fill

Parametric

- Parametric Constraint, Parametric Constraint Style, Parametric Constraint Alignment, Parametric Constraint Justification, Parametric Constraint Orientation, Parametric Constraint Color, Parametric Constraint Layer, Parametric Constraint Background Color, Parametric Constraint Background Style, Parametric Constraint Background Fill



Layers

Unsaved Layer State

Hide Layer List

Eye	Name
●	0

Search for layer

Properties

Model Space

Color: Blue

Linetype: Solid

Line Weight: 0

Transparency: 0

Text style: Standard

Drafting | Modeling <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

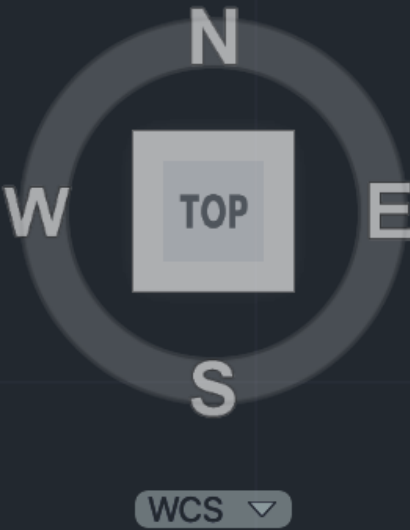
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric

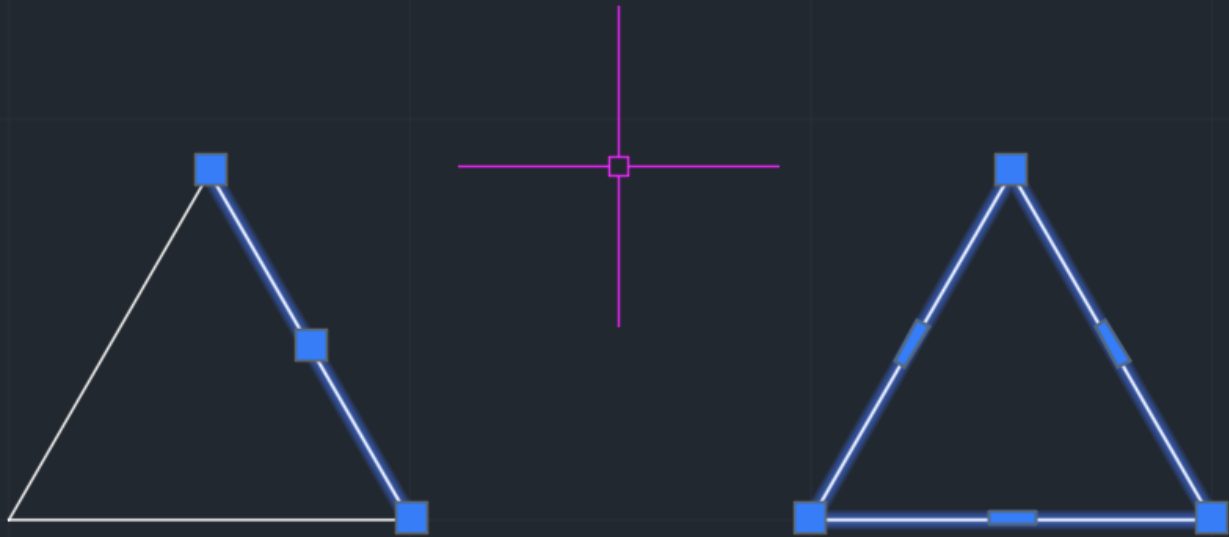


Layers and Properties

Reference Manager

Blocks

Criar um triângulo a partir de uma POLYLINE (PL), em vez de várias linhas (LINE - LN)



Drafting Modeling <<

▼ Draw

► Hatch

▼ Block

▼ Modify

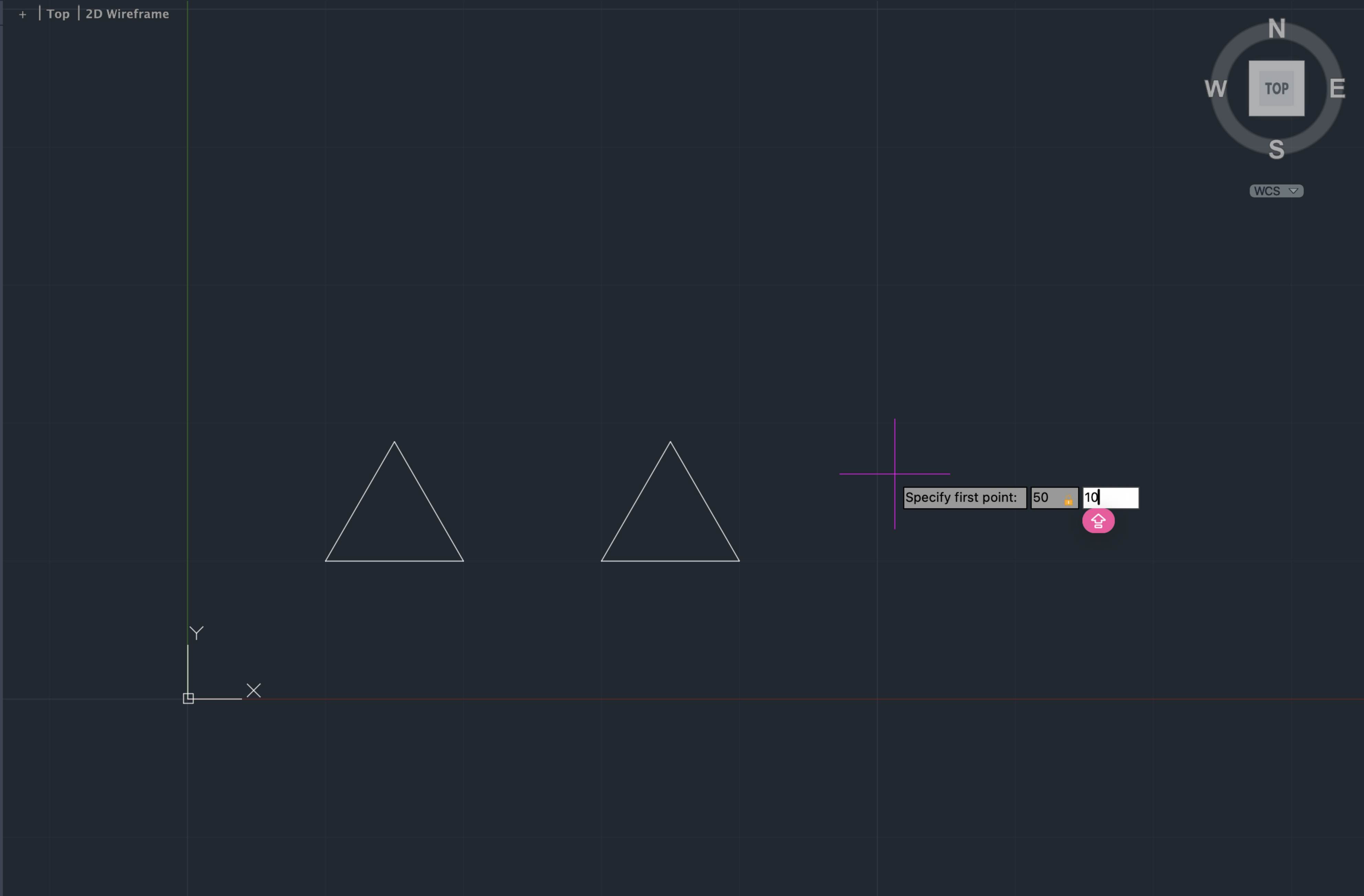
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers and Properties

Reference Manager

Blocks

Drafting | Modeling | << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

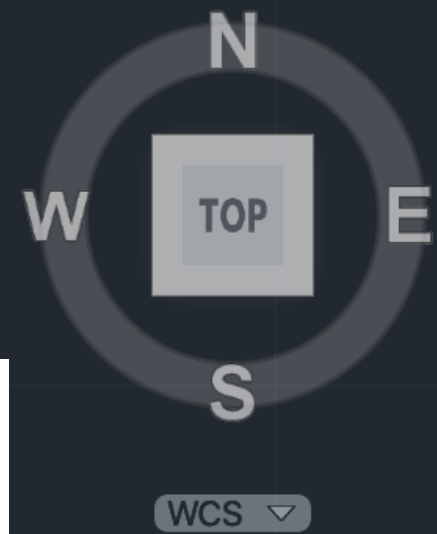
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric

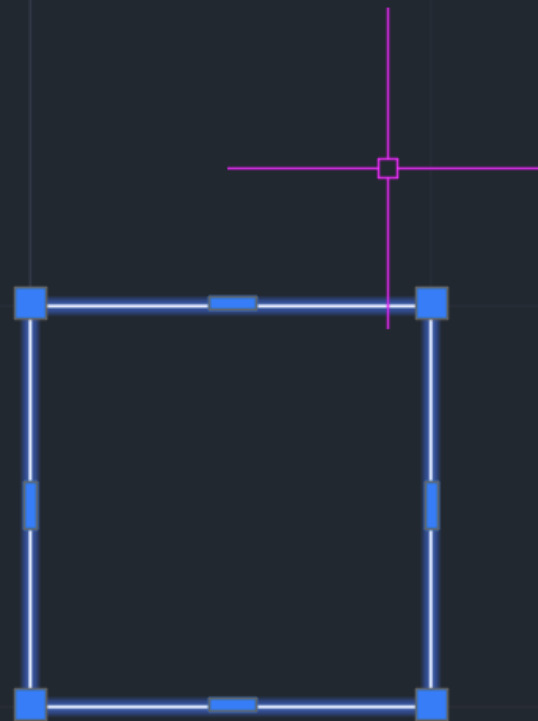


Layers and Properties

Reference Manager

Blocks

Comandos para criar um quadrado:
PL (polyline) ↵ (enter) 50,10 ↵ (enter) 10<0
↵ (enter) 10<90 ↵ (enter) 10<180 ↵ (enter)
c (close) ↵ (enter)



Para tornar o triângulo inicial, que estava separado por linhas, num polígono inteiro, utilizamos o comando PEDIT

- PEDIT
- PEDITACCEPT
- ATTIPEDIT
- GROUPEDIT
- GROUPEDITTIMEOUT
- PAGESETUPEDIT
- STEPPED (OFFSET)
- VPEDIT

Drafting | Modeling

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block, etc.

Modify

- Move, Rotate, Scale, Stretch, Trim, Fillet, etc.

Text

- Single-line text (A), Multi-line text (A), etc.

Dimension

- Horizontal, Vertical, Angular, etc.

Leader

- Single, Double, etc.

Table

- Table, etc.

Parametric

- Constraints, etc.



Layers and Properties

Reference Manager

Blocks

Para escrever um texto inserimos o comando DT (text), tamanho 1 e rotação 0



dt

A DT (TEXT)
DTEXT
DTEXTED
DTTEXT



Start Drawing1*

Drafting Modeling <<

▼ Draw ⚙

▶ Hatch ⚙

▼ Block ⚙

▼ Modify ⚙

▼ Text ⚙

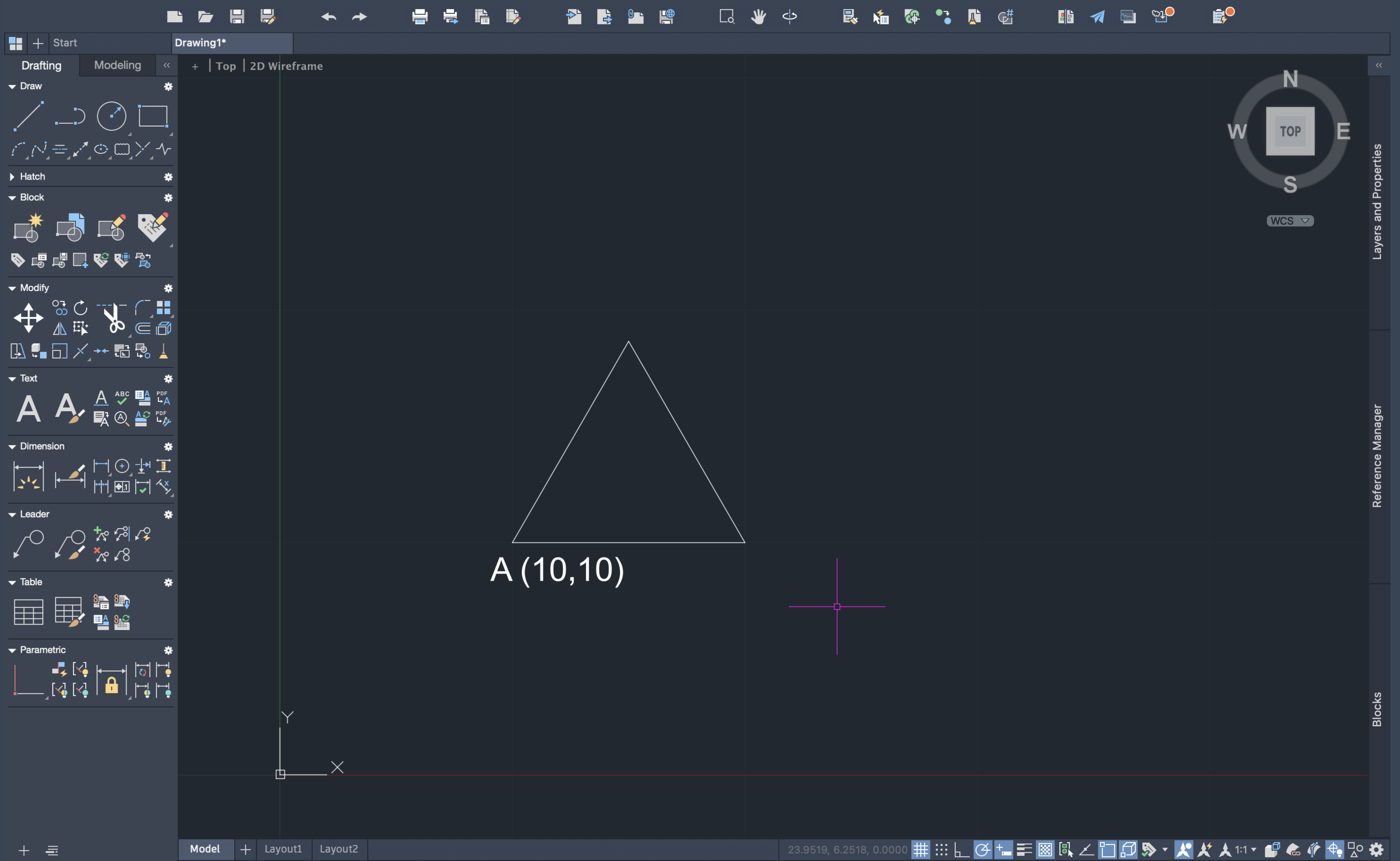
▼ Dimension ⚙

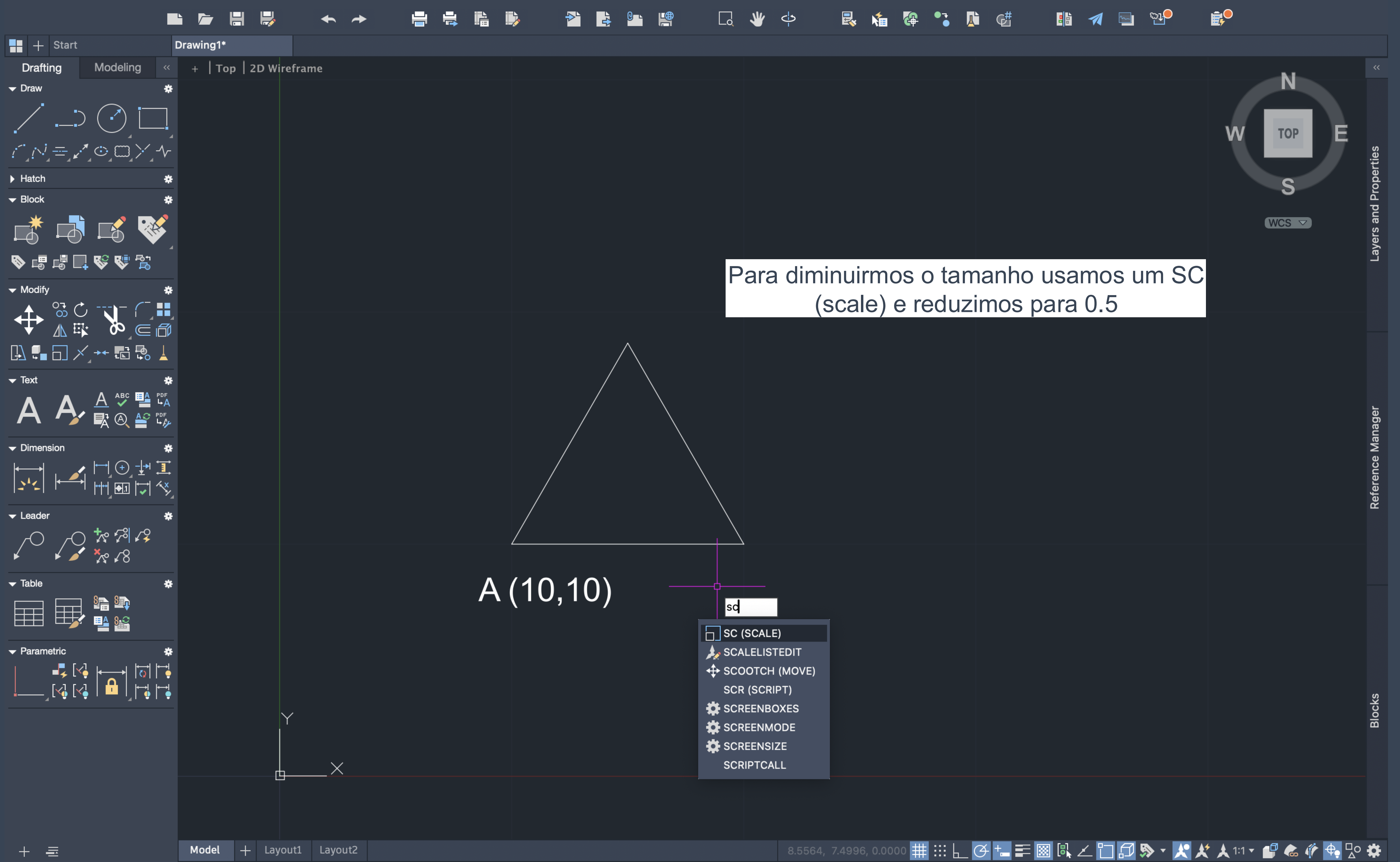
▼ Leader ⚙

▼ Table ⚙

▼ Parametric ⚙

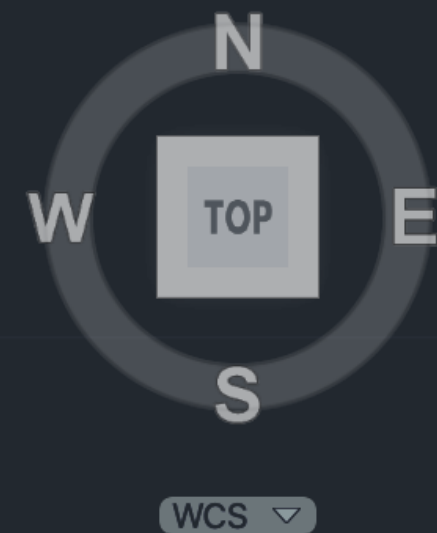






Left sidebar containing tool palettes:

- Drafting**
 - Draw**: Line, Arc, Circle, Rectangle, etc.
 - Hatch**: Hatch pattern tools.
 - Block**: Block creation and insertion tools.
 - Modify**: Move, Rotate, Scale, Trim, etc.
 - Text**: Text creation and formatting tools.
 - Dimension**: Dimensioning tools.
 - Leader**: Leader line tools.
 - Table**: Table creation tools.
 - Parametric**: Parametric constraint tools.

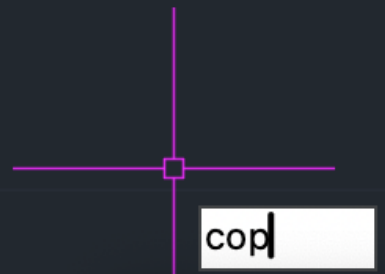


Layers and Properties

Reference Manager

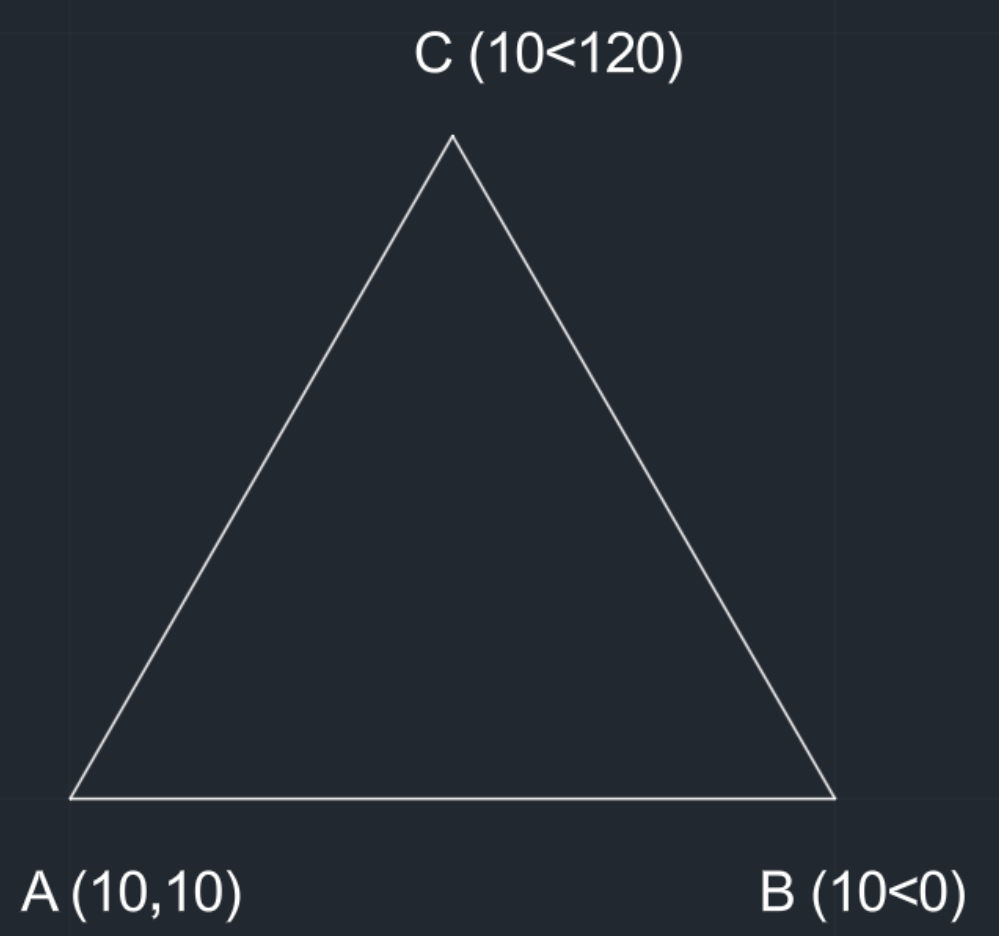
Blocks

Fazemos um COPY do texto para os restantes vértices do triângulo



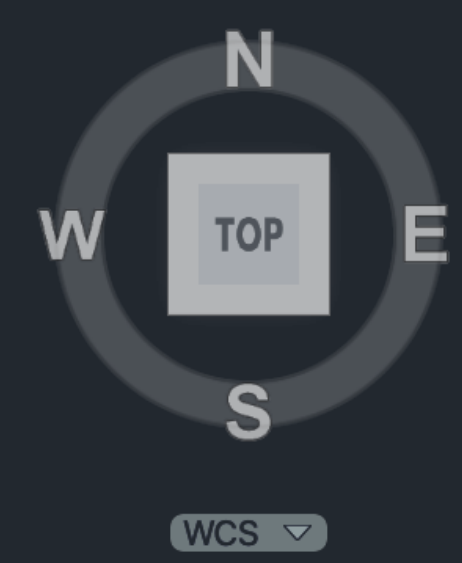
- COPY
- COPYBASE
- COPYCLIP
- COPYFROMTRACE
- COPYHIST
- COPYLINK
- COPYMODE
- AECOBJECTCOPYMESSAGE

Comando LAYER para abrir o painel onde
terá as diferentes layers respectivas a cada
polígono



Para adicionar cada layer
clikamos neste simbolo

Para escrever em cada layer
basta dar dois clicks



Layers

Hex

Unsaved Layer State

Hide Layer List

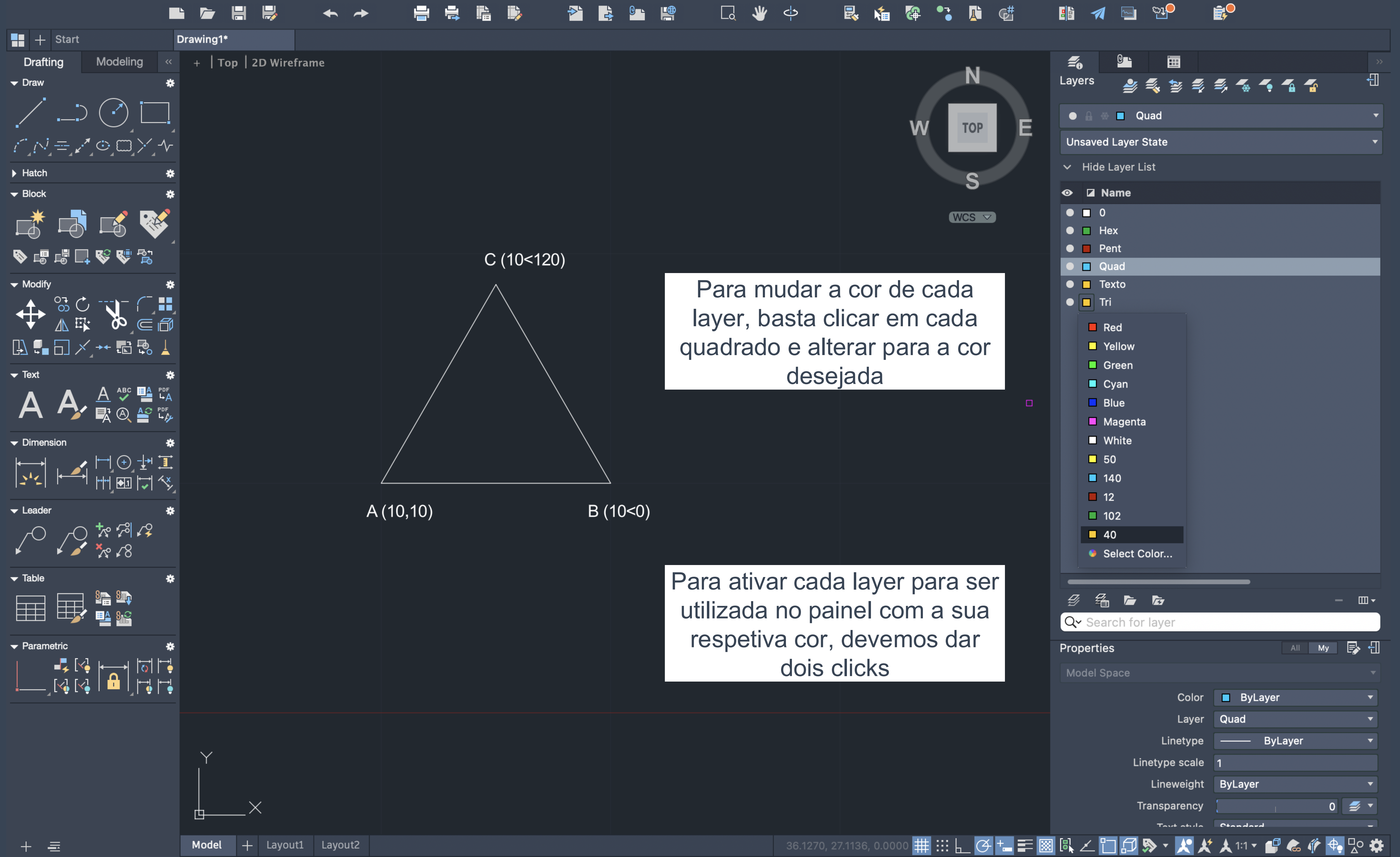
Eye	Name
☐	0
☒	Hex
☐	Pent
☐	Quad
☐	Texto
☐	Tri

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Hex
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard



Drafting | Modeling <<

Draw

- Line, Arc, Circle, Rectangle, Polygon, etc.

Hatch

Block

- Insert, Modify, Delete, etc.

Modify

- Move, Rotate, Scale, Mirror, etc.

Text

- Single line, Multiline, etc.

Dimension

- Horizontal, Vertical, Angular, etc.

Leader

- Single, Multiple, etc.

Table

- Insert, Modify, etc.

Parametric

- Constraints, etc.

The main drawing area displays a 2D wireframe on a grid. A triangle is defined with vertices labeled A (10,10), B (10<0), and C (10<120). A square is drawn to the right of the triangle. A coordinate system is shown in the bottom-left corner with X and Y axes. A purple crosshair is visible in the upper right quadrant.

Navigation and orientation controls including a compass rose showing North (N), South (S), East (E), and West (W), and a WCS (World Coordinate System) dropdown menu.

Layers and Properties

Reference Manager

Blocks

Quadrado desenhado a partir da layer Quad e com as suas propriedades

Start

Drawing1*

Drafting

Modeling

<<

+

Top

2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Layers

Unsaved Layer State

Hide Layer List

Name

0

Hex

Pent

Quad

Texto

Tri

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Quad

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Model

Layout1

Layout2

19.2322, 13.2151, 0.0000

1:1

W

N

E

S

TOP

WCS

A (10,10)

B (10<0)

C (10<120)

chprop

CHPROP

DDCHPROP (PROPERTIES)

MATCHPROP

OPTCHPROP

Como o triângulo foi desenhado inicialmente através da layer 0 (layer padrão) é necessário colocá-la na sua respetiva layer (Tri), e para isso utilizamos o comando CHPROP

Como o triângulo foi desenhado inicialmente através da layer 0 (layer padrão) é necessário colocá-la na sua respetiva layer (Tri), e para isso utilizamos o comando CHPROP



Drafting | **Modeling** | << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

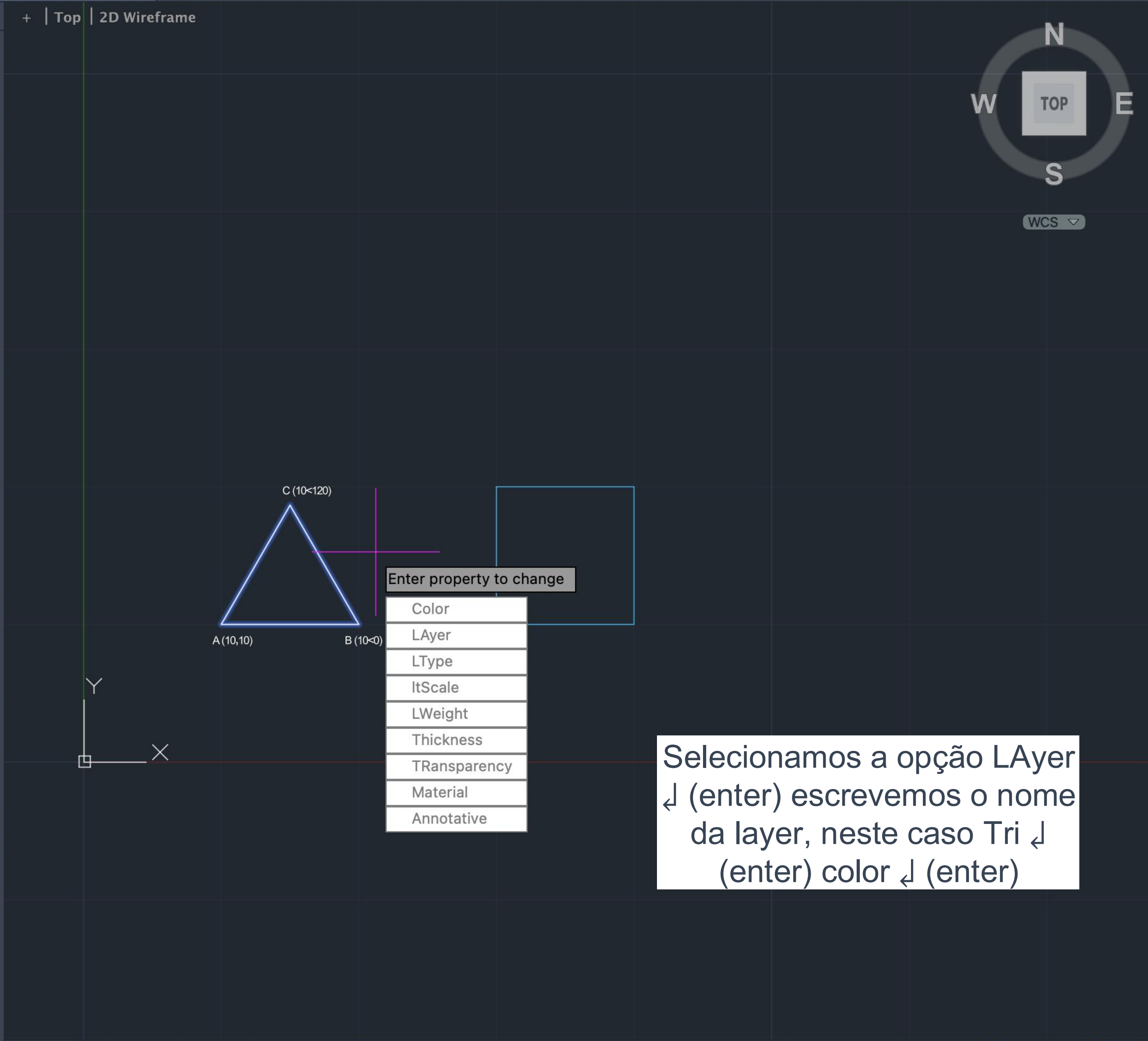
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Lock ● Quad

Unsaved Layer State

▼ Hide Layer List

●	■	Name
●	■	0
●	■	Hex
●	■	Pent
●	■	Quad
●	■	Texto
●	■	Tri

Search for layer

Properties | All | My

Model Space

Color	■
Layer	Qu
Linetype	—
Linetype scale	1
Lineweight	By
Transparency	0
Text style	Standard

Selecionamos a opção LAyer
↓ (enter) escrevemos o nome
da layer, neste caso Tri ↓
(enter) color ↓ (enter)



Drawing1*

Drafting Modeling << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

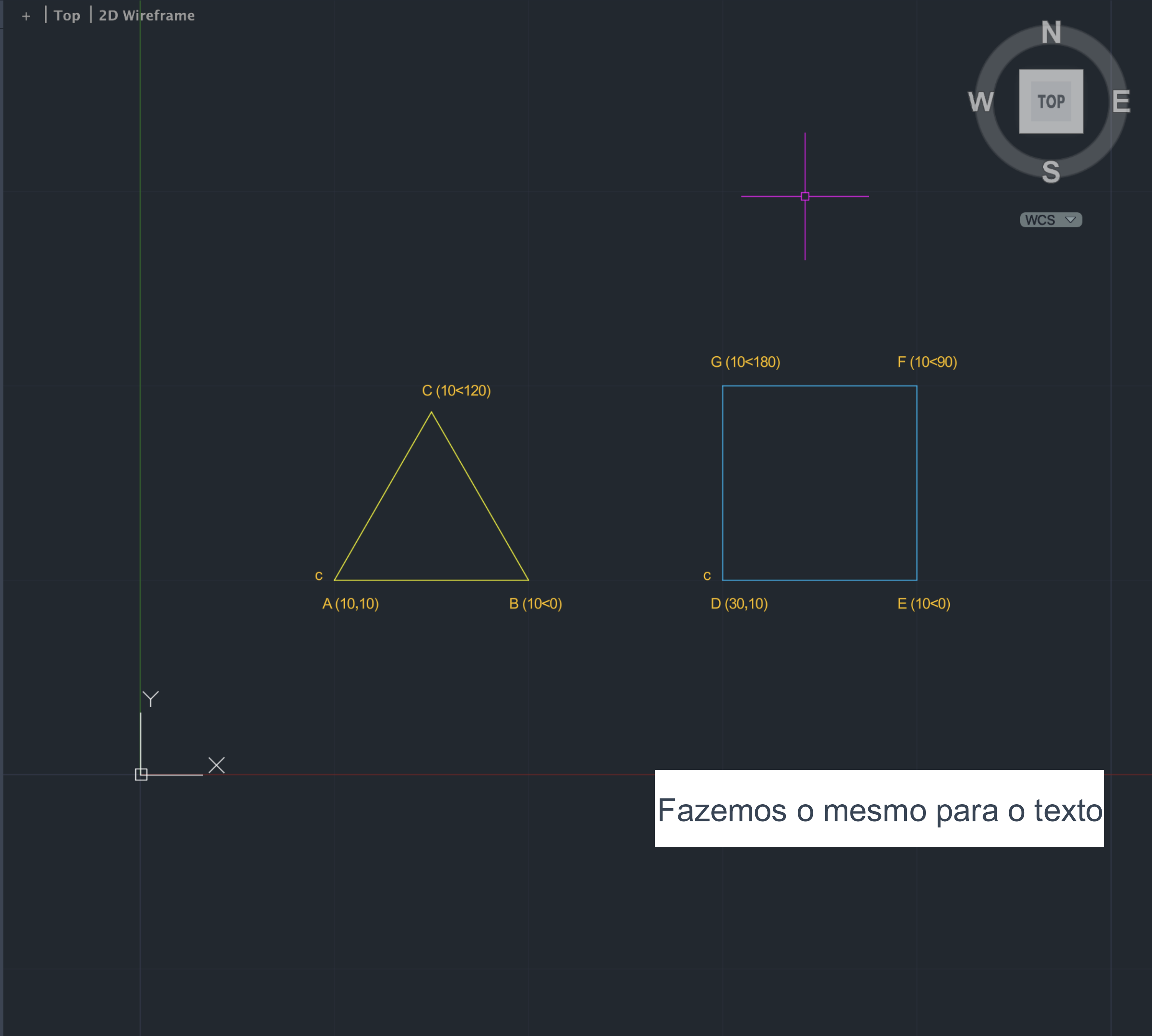
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Unsaved Layer State

▼ Hide Layer List

▼ Name

0

Hex

Pent

Quad

Texto

Tri

Search for layer

Properties

Model Space

Color ByLayer

Layer Texto

Linetype ByLayer

Linetype scale 1

Lineweight ByLayer

Transparency 0

Text style Standard

Drafting Modeling <<

▼ Draw

► Hatch

▼ Block

▼ Modify

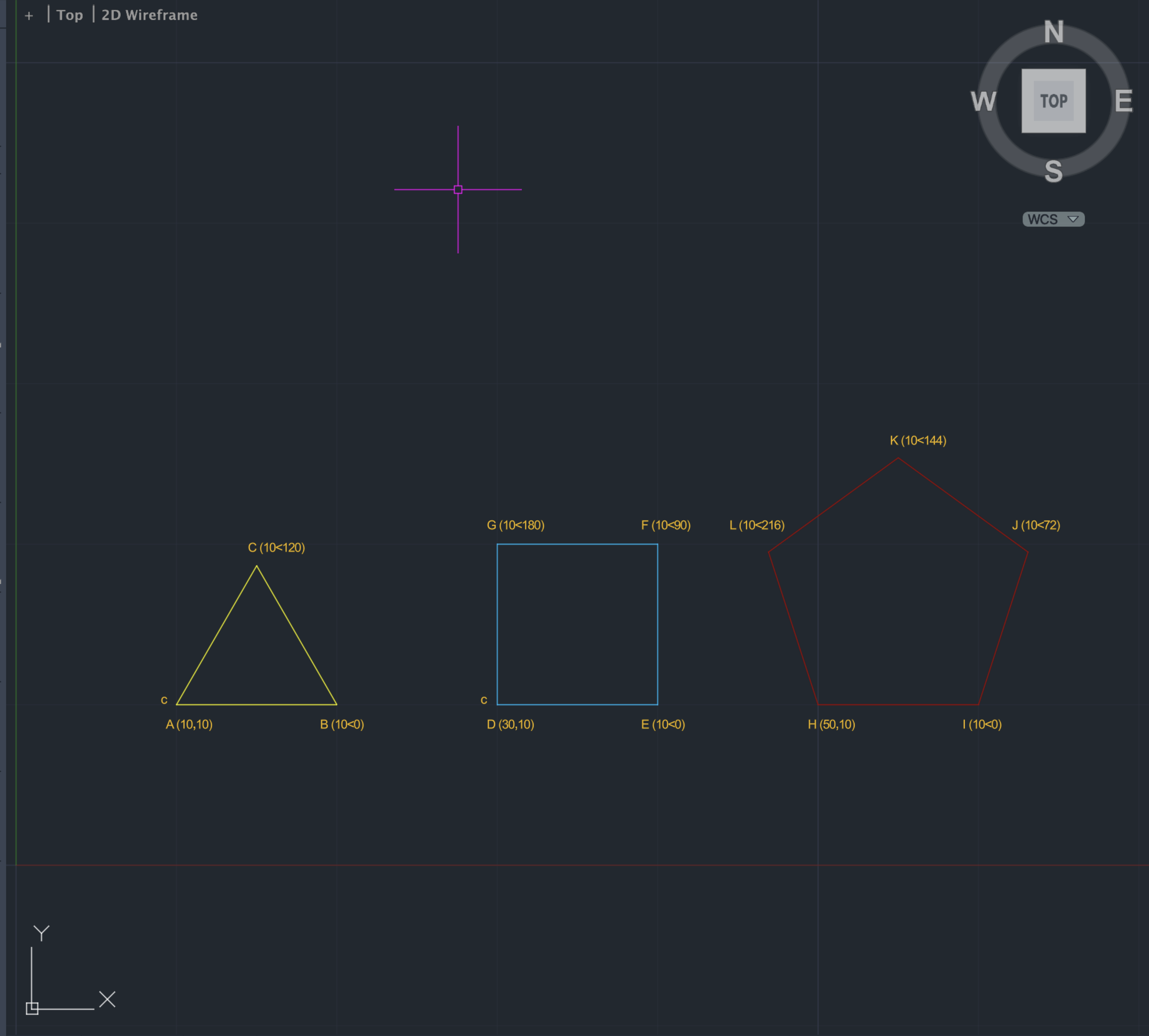
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Hex

Unsaved Layer State

▼ Hide Layer List

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Hex

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

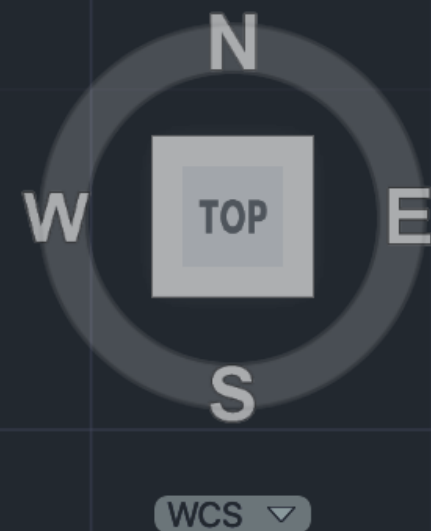
▼ Dimension

▼ Leader

▼ Table

▼ Parametric

Usamos o mesmo método
para o pentágono e o
hexágono.



Layers and Properties

Reference Manager

Blocks

Drafting | Modeling | << | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

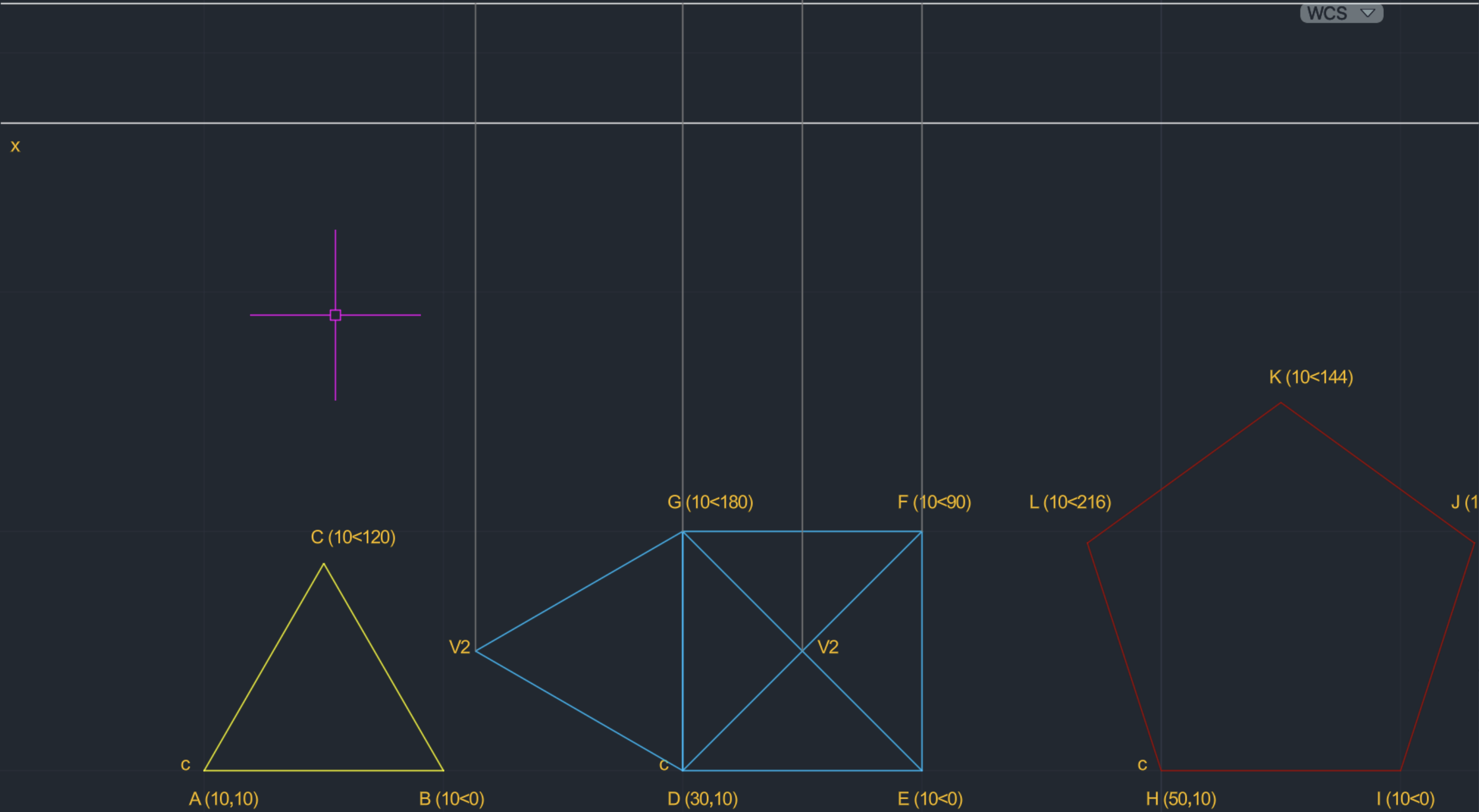
▼ Dimension

▼ Leader

▼ Table

▼ Parametric

Puxamos linhas a partir dos
vértices do polígono até os
eixos acima



Layers

Inv

Unsaved Layer State

Hide Layer List

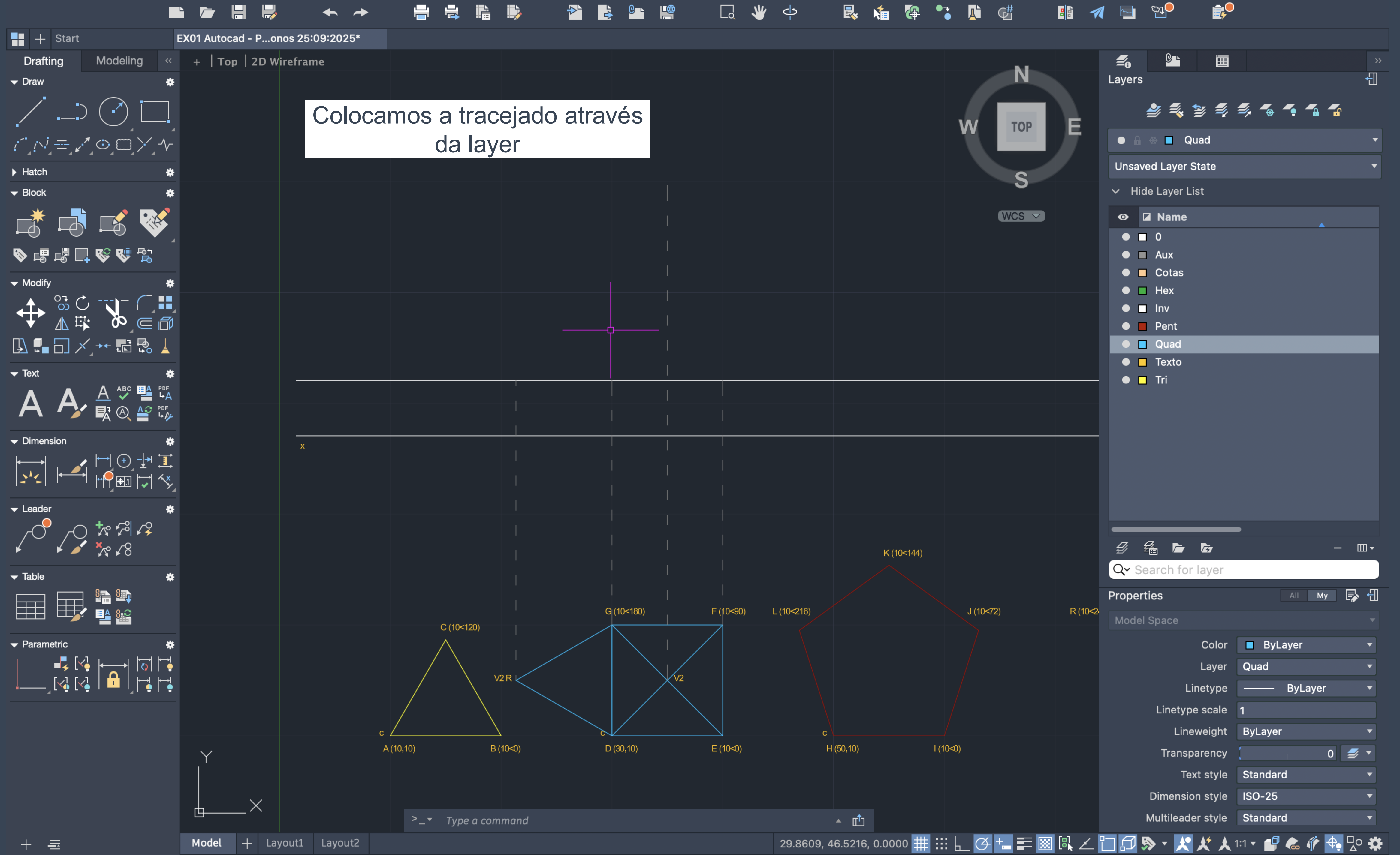
Layer	Color	Linetype
De...	---	---
De...	---	---
De...	---	---
De...	---	---
De...	---	---
De...	---	---
De...	---	---
De...	---	---

Search for layer

Properties

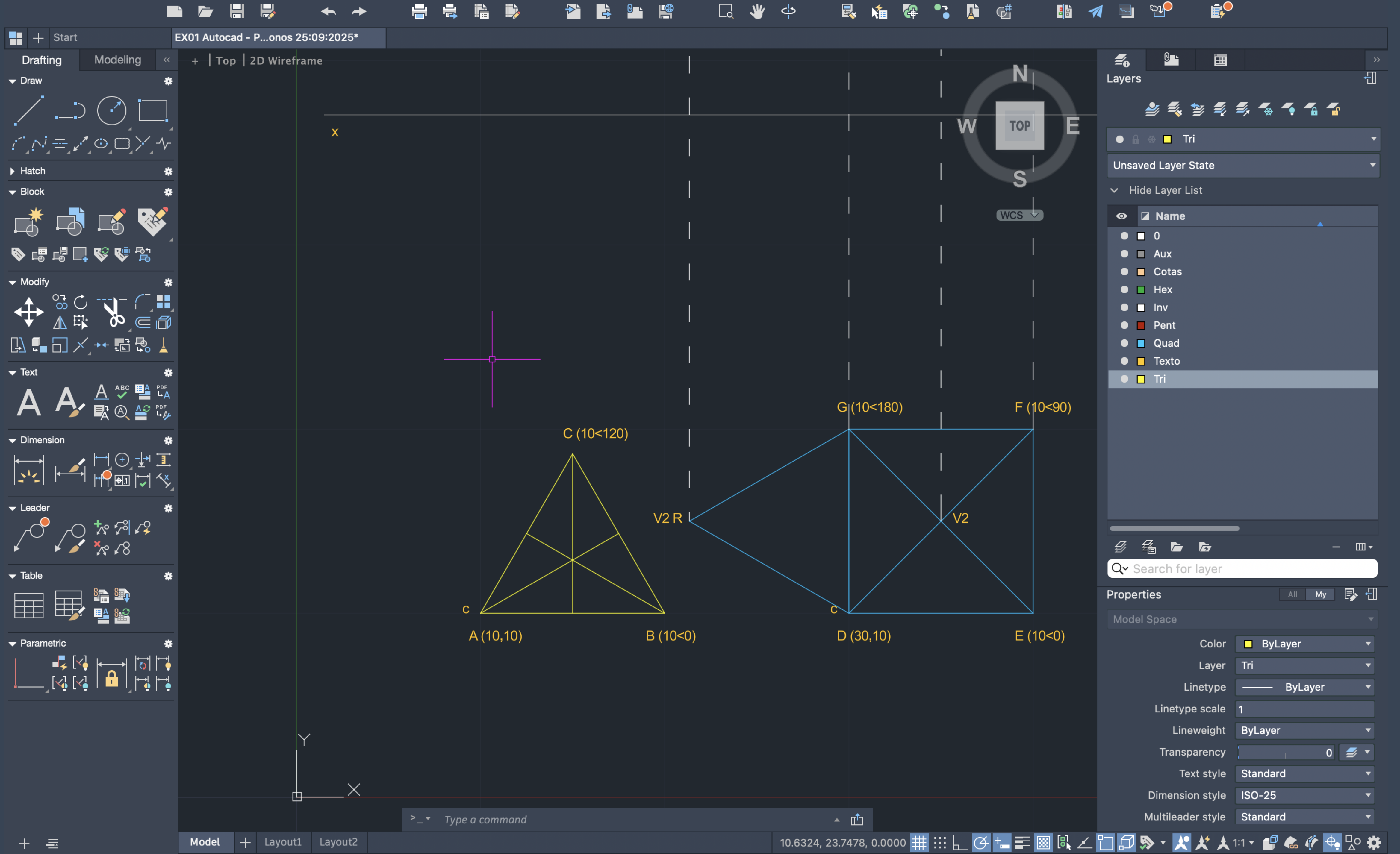
Model Space

Property	Value
Color	ByLayer
Layer	Inv
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard



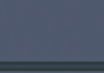
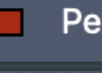
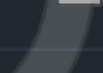
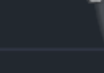
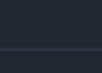
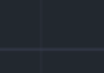
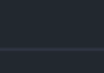
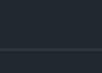
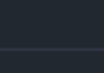
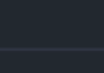
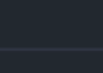
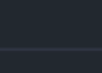
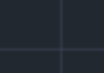
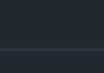
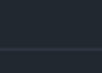
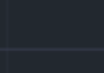
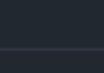
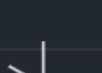
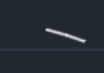
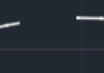
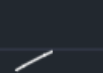
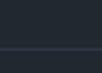
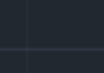
Drafting Modeling << + | Top | 2D Wireframe

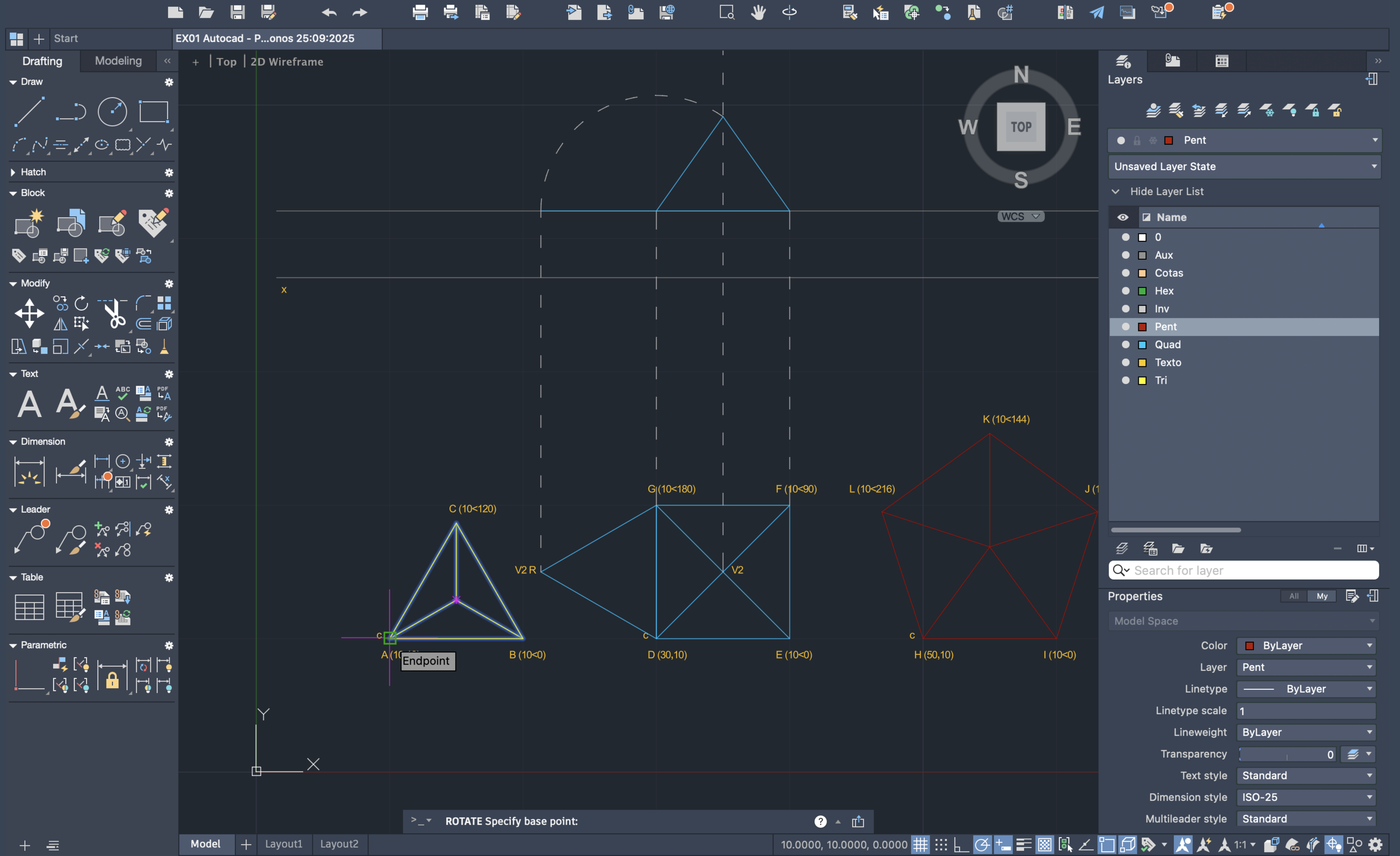
Draw



Drafting Modeling << + | Top | 2D Wireframe

▼ Draw







▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

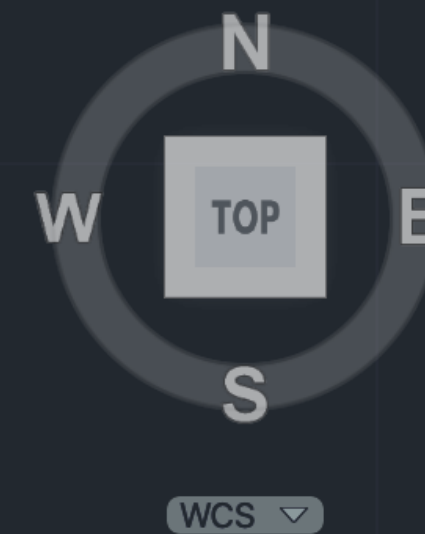
▼ Dimension

▼ Leader

▼ Table

▼ Parametric

Fazemos o mesmo
procedimento que o polígono
anterior



Layers

Inv

Unsaved Layer State

Hide Layer List

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Inv

Linetype: ByLayer

Linetype scale: 1

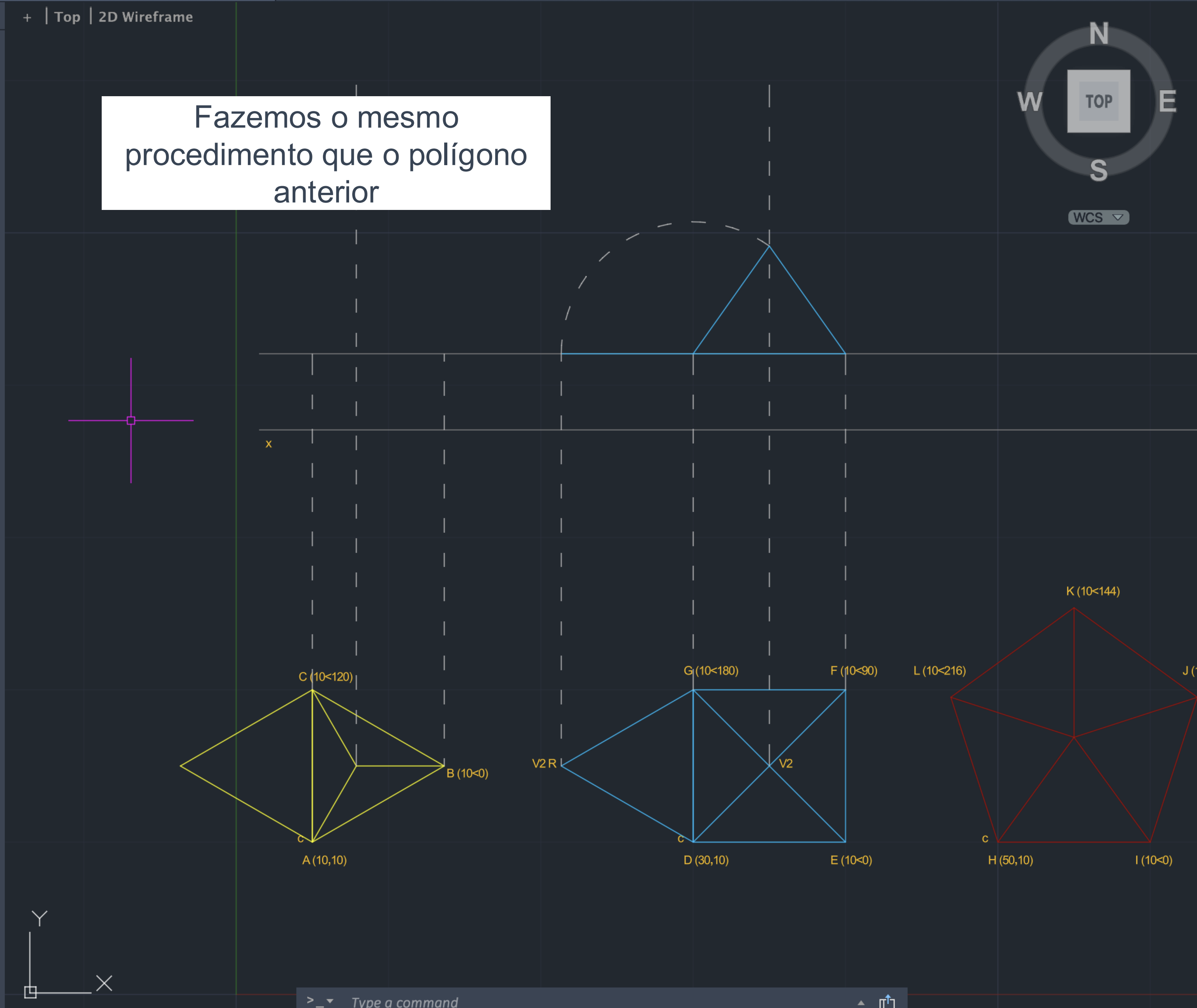
Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension style: ISO-25

Multileader style: Standard





The screenshot displays the AutoCAD software interface, specifically the Layers and Properties panels. The Layers panel is active, showing a list of layers: 0, Aux, Cotas, Hex, Inv, Pent, Quad, Texto, and Tri. The 'Tri' layer is selected and highlighted in blue. Above the list, there are icons for layer management, including a layer icon, a lock icon, a color swatch, and a 'Tri' label. Below the list, there is a search bar with the text 'Search for layer'. The Properties panel is visible below the Layers panel, showing various properties for the selected layer, including Color (ByLayer), Layer (Tri), Linetype (ByLayer), Linetype scale (1), Lineweight (ByLayer), Transparency (0), Text style (Standard), Dimension style (ISO-25), and Multileader style (Standard).

Drafting | Modeling | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Region, Block, Wipeout, Image, Mtext, Text, Dimension, Leader, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Erase, Hide, Lock, Freeze, Thaw, Defreeze, Unfreeze, Layer, Style, Color, Linetype, Linetype scale, Lineweight, Transparency, Text style, Dimension style, Multileader style

Text

- Text, Mtext, Text style, Dimension, Leader, Table, Parametric

Dimension

- Dimension, Leader, Table, Parametric

Leader

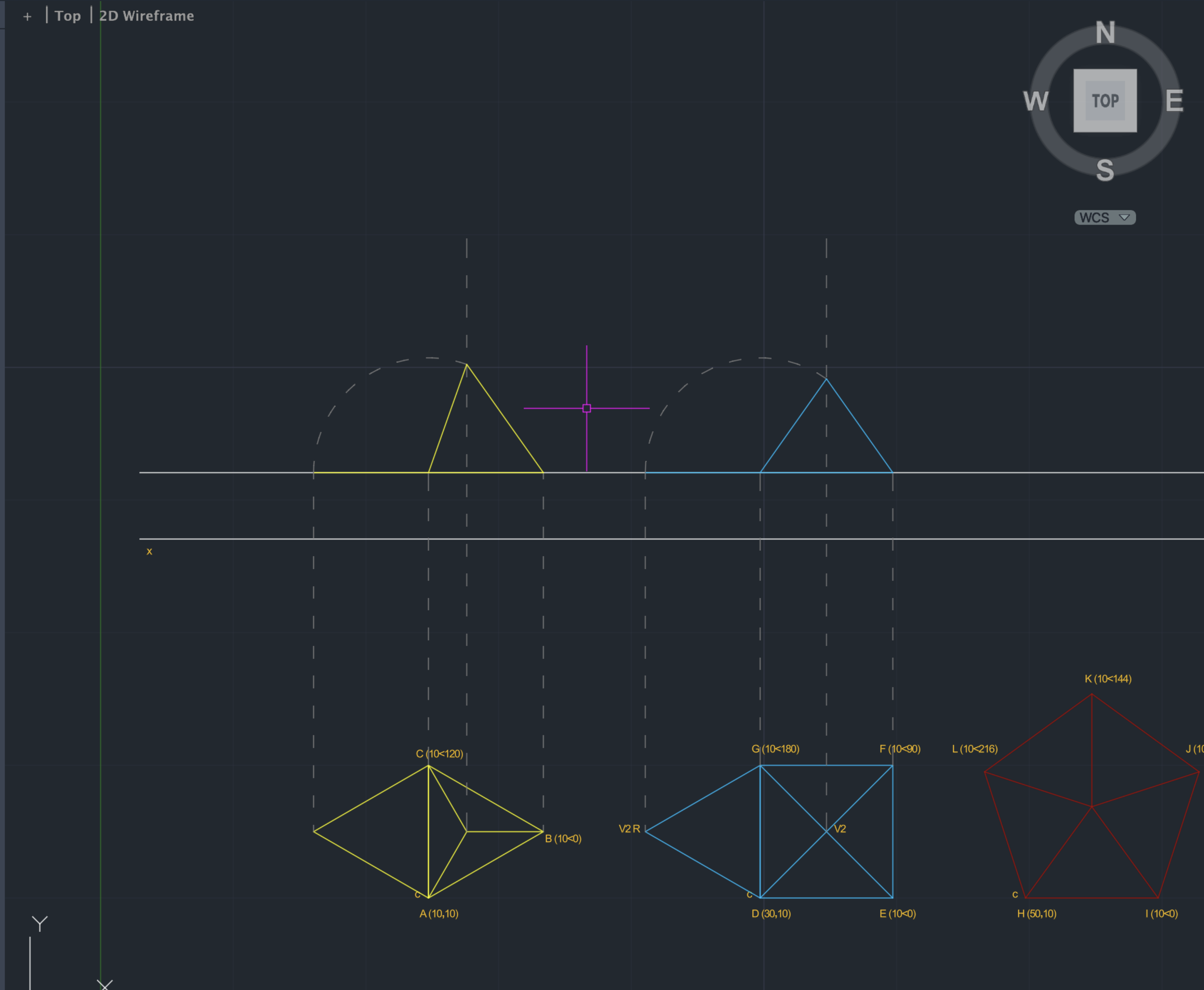
- Leader, Table, Parametric

Table

- Table, Parametric

Parametric

- Parametric



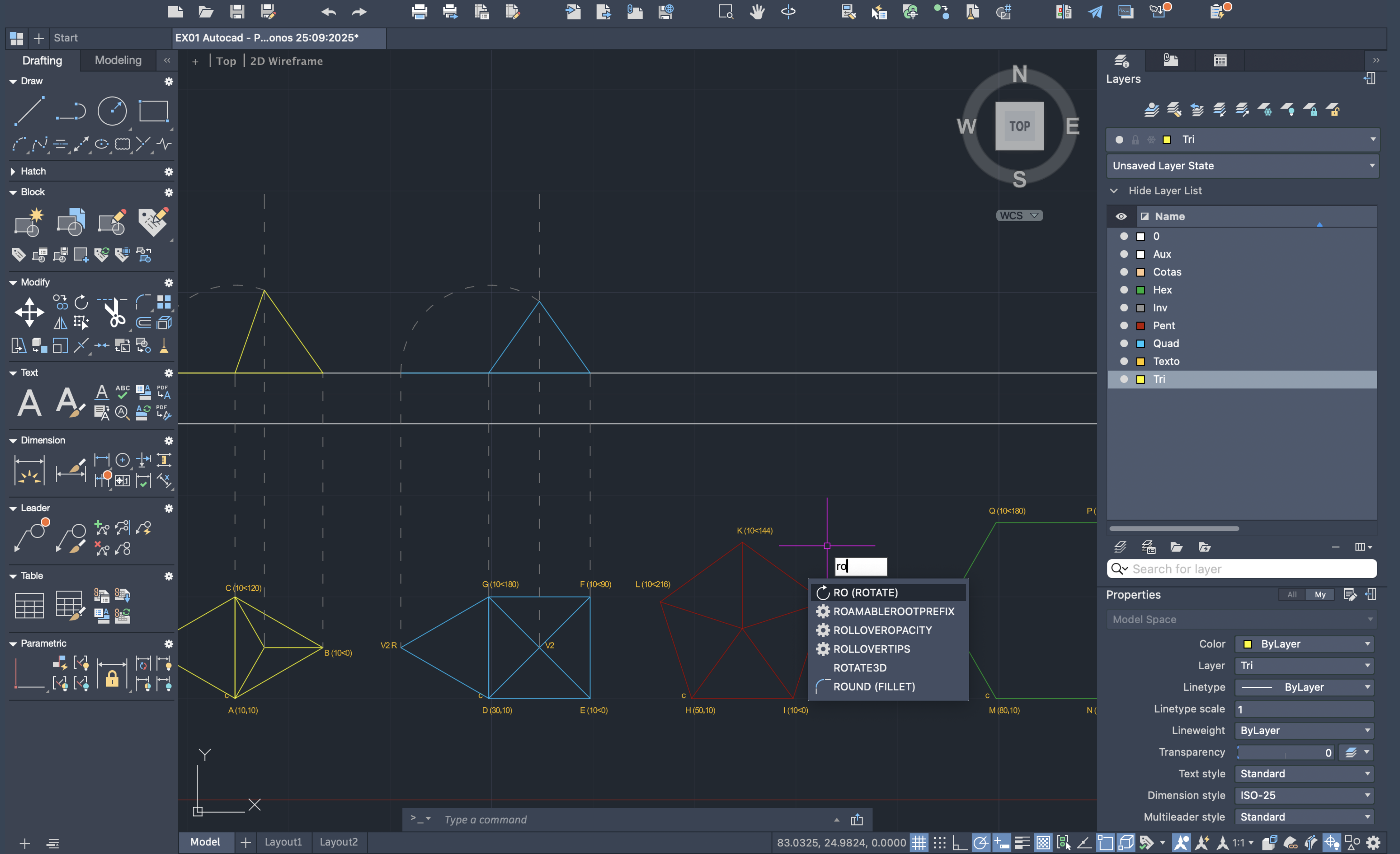
Layers

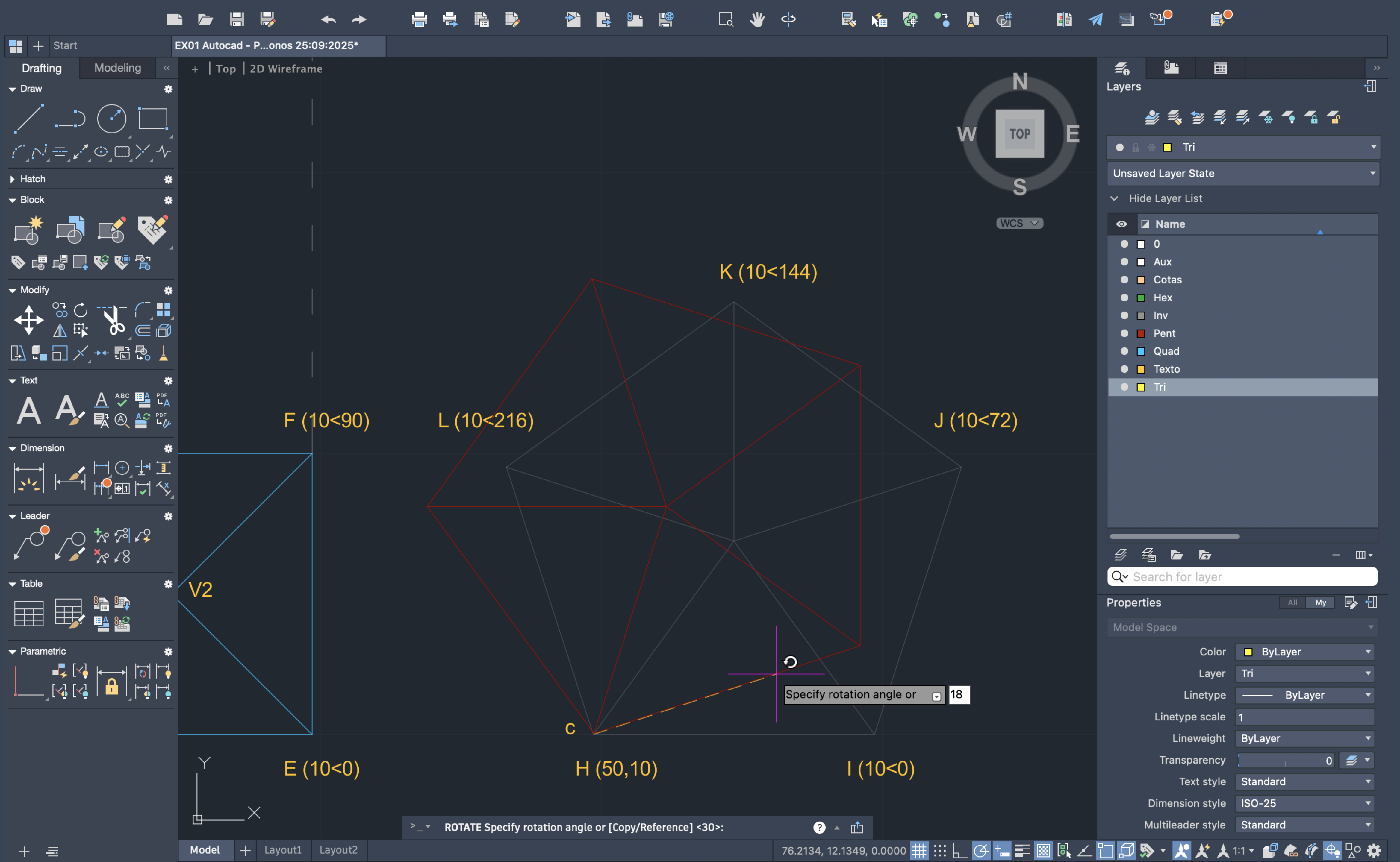
- Tri
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Cotas
- Hex
- Inv
- Pent
- Quad
- Texto
- Tri

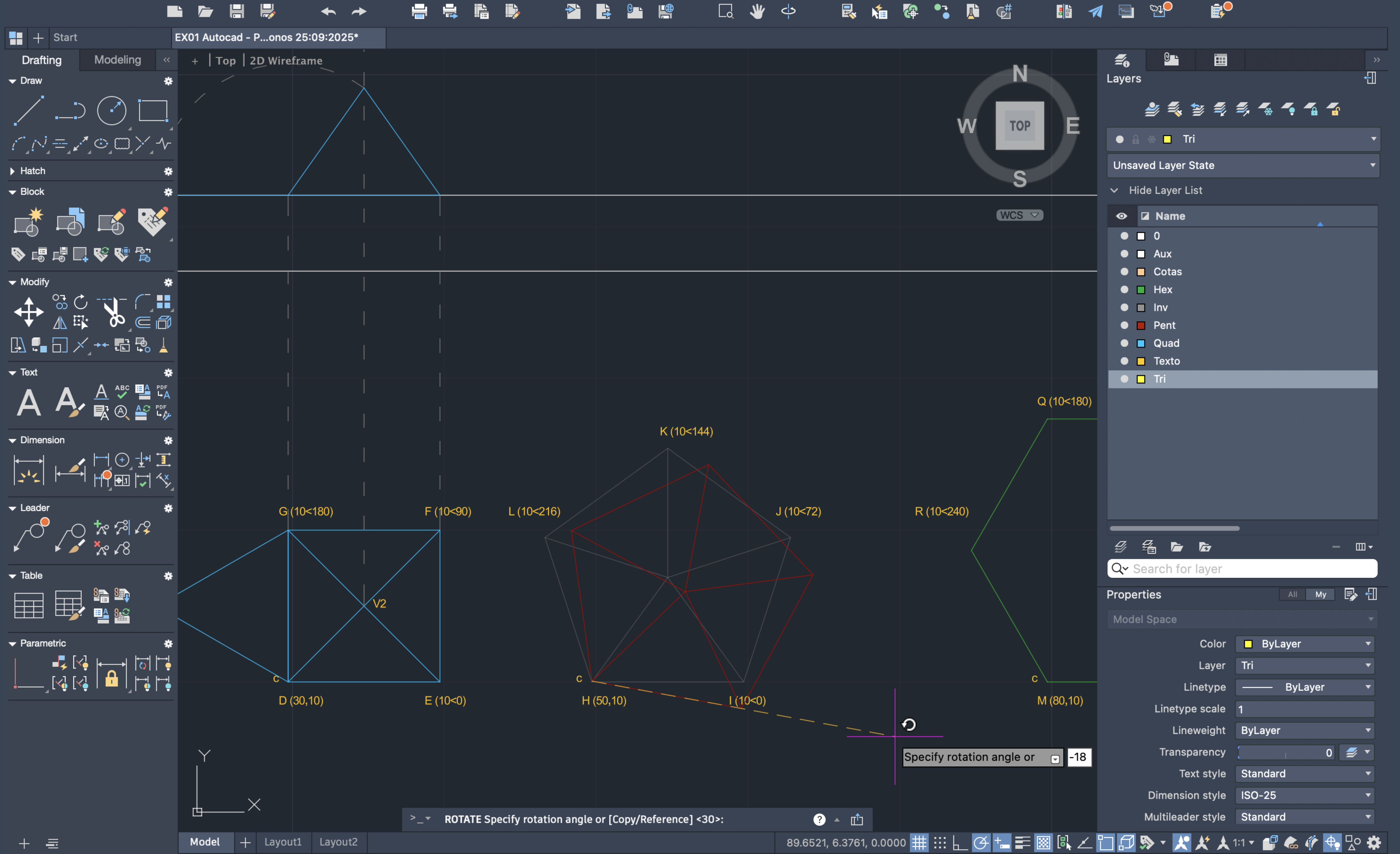
Properties

Model Space

- Color: ByLayer
- Layer: Tri
- Linetype: ByLayer
- Linetype scale: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension style: ISO-25
- Multileader style: Standard







DraftingModeling<<+ | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

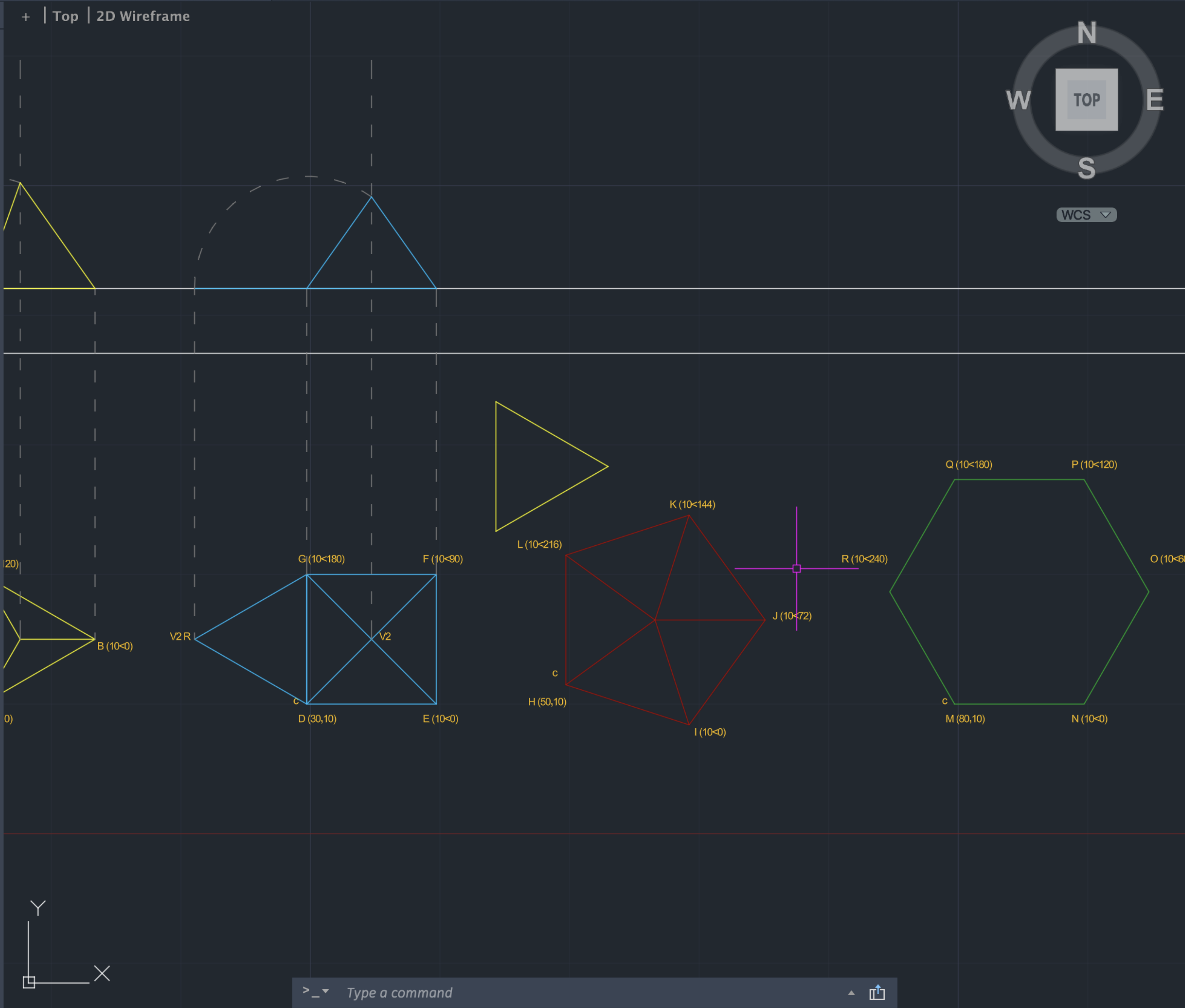
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Unsaved Layer State

▼ Hide Layer List

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Tri

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Multileader style

Standard

Drafting | Modeling | << + | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

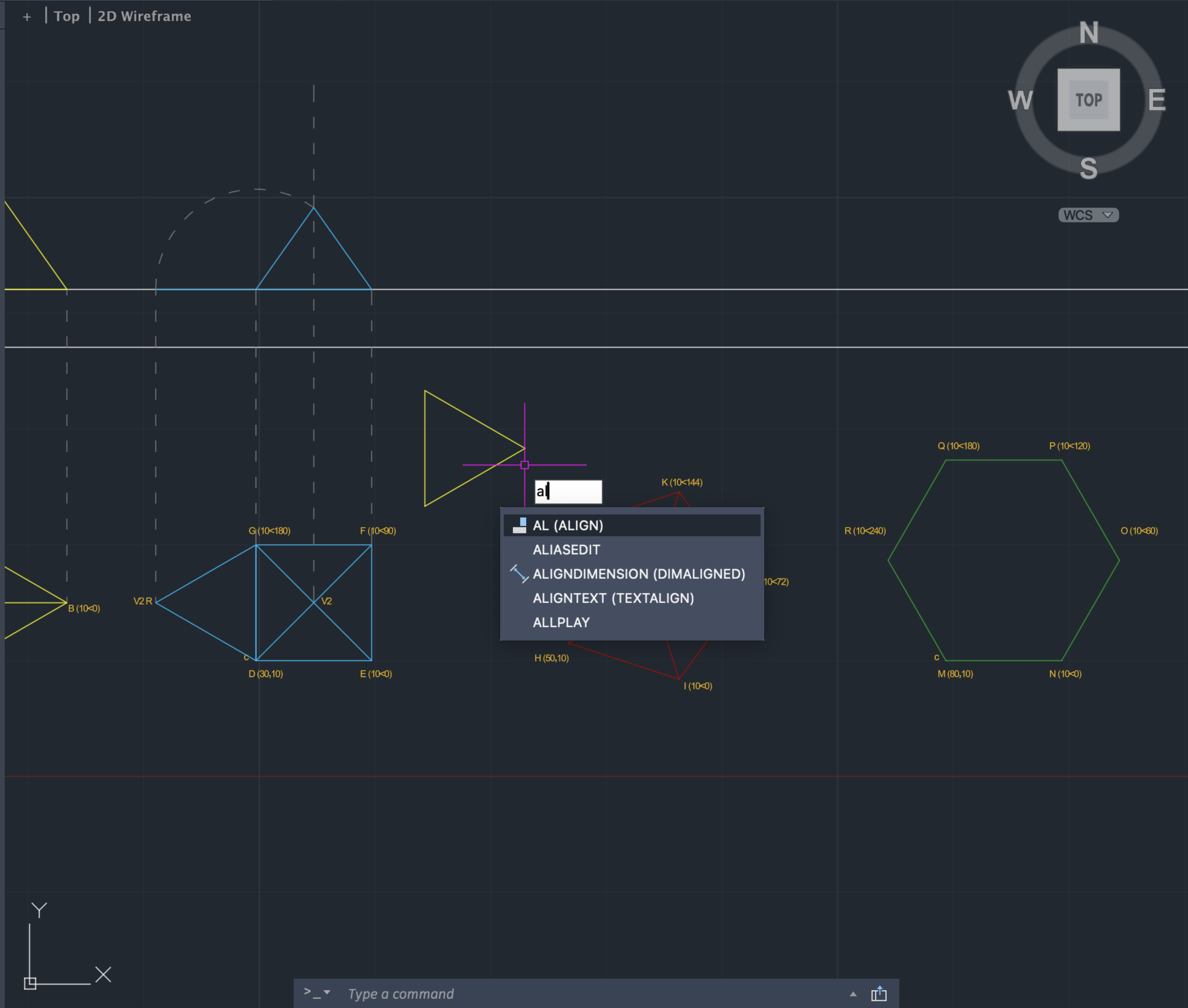
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Tri

Unsaved Layer State

▼ Hide Layer List

Name

●

0

●

Aux

●

Cotas

●

Hex

●

Inv

●

Pent

●

Quad

●

Texto

●

Tri

Search for layer

Properties

All | My

Model Space

Color

ByLayer

Layer

Tri

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Multileader style

Standard



Drafting

Modeling

Top

2D Wireframe

Draw

Hatch

Block

Modify

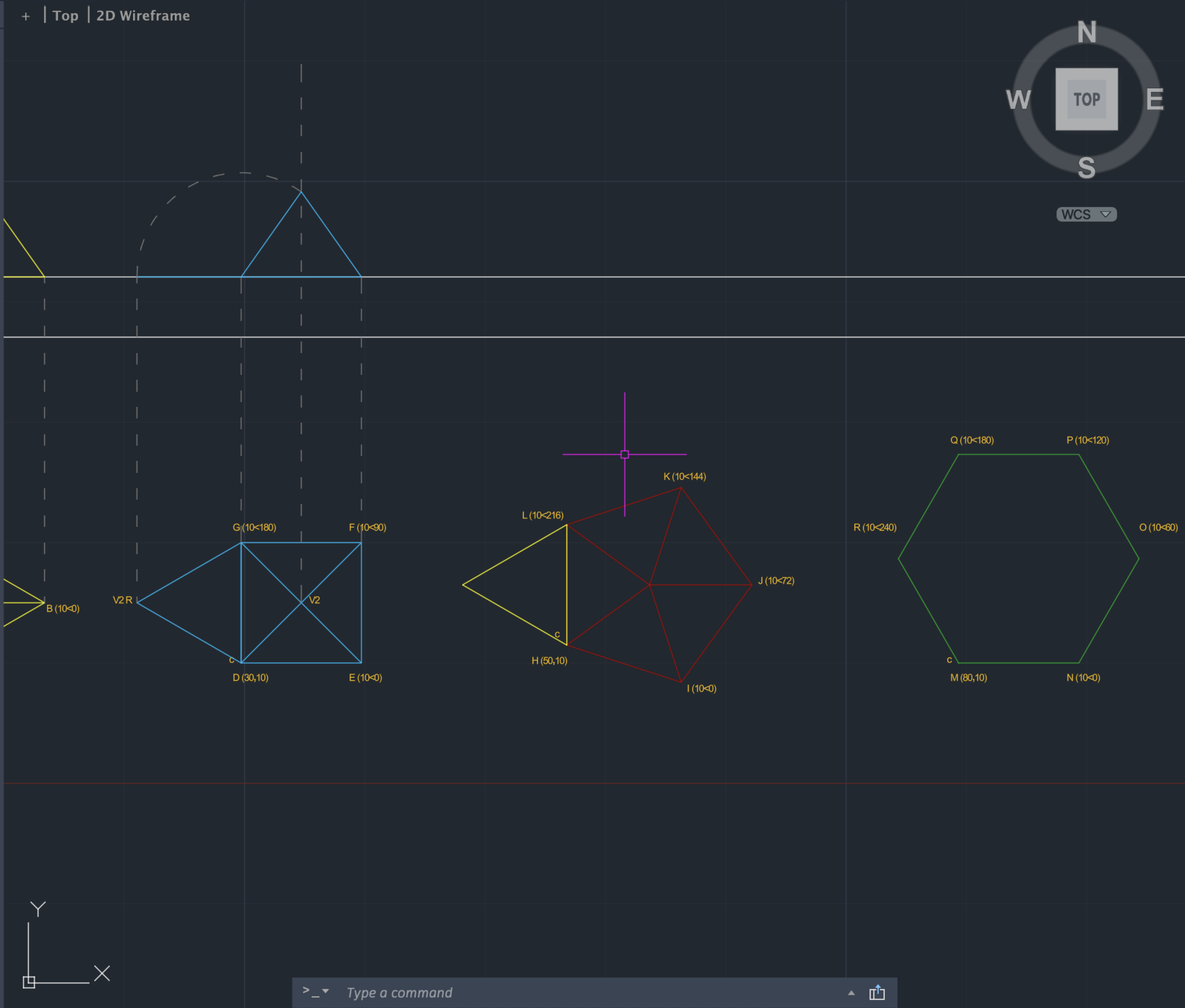
Text

Dimension

Leader

Table

Parametric



Layers

Tri

Unsaved Layer State

Hide Layer List

Name

0

Aux

Cotas

Hex

Inv

Pent

Quad

Texto

Tri

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Tri

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Multileader style

Standard

Drafting | Modeling | << | + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

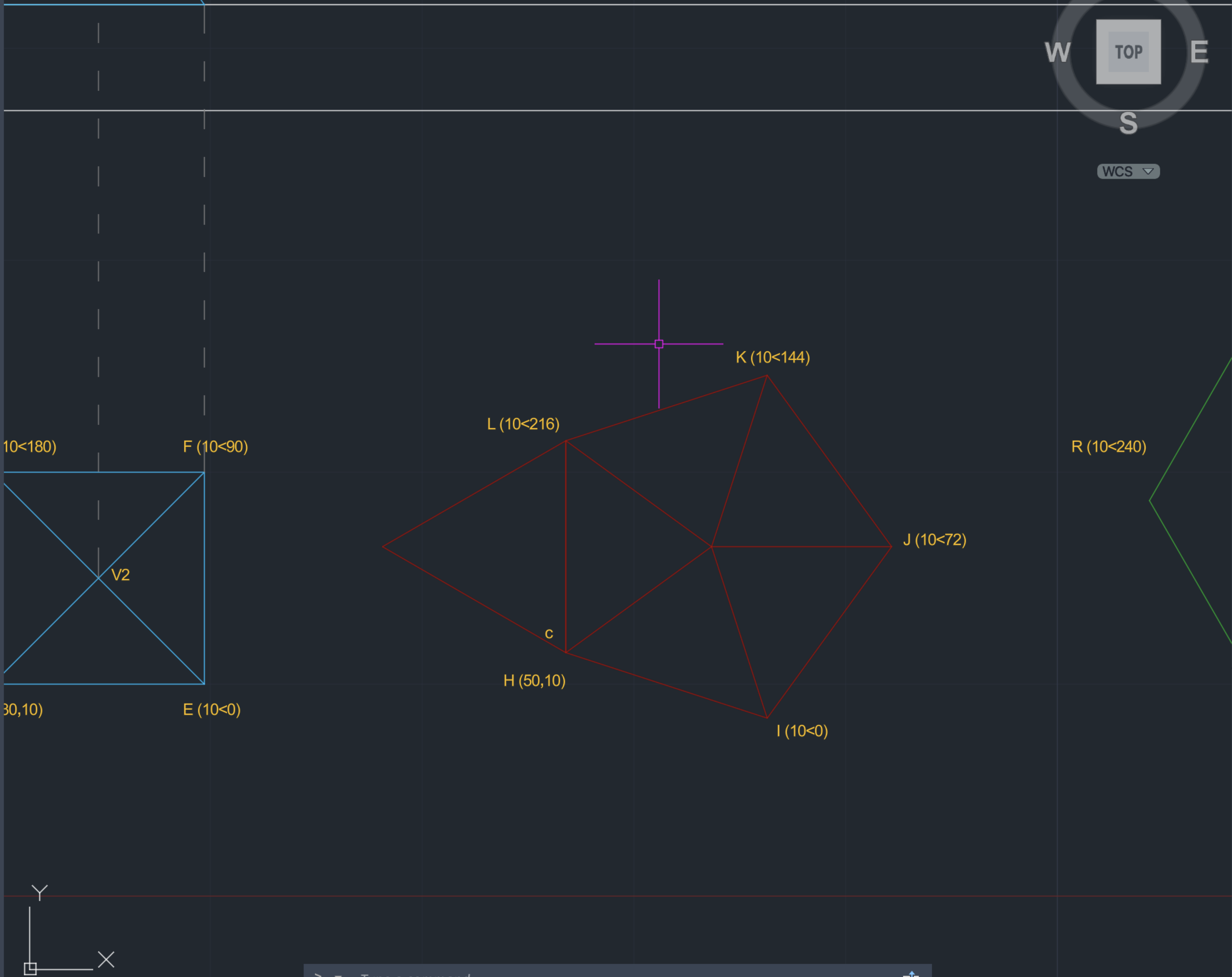
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Tri

Unsaved Layer State

Hide Layer List

Name
0
Aux
Cotas
Hex
Inv
Pent
Quad
Texto
Tri

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Tri
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard

Drafting

Modeling

<<

+ | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Inv

Unsaved Layer State

▼ Hide Layer List

Name

● 0

● Aux

● Cotas

● Hex

● Inv

● Pent

● Quad

● Texto

● Tri

Search for layer

Properties

All My

Model Space

Color

ByLayer

Layer

Inv

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Multileader style

Standard

Drafting

Modeling

<<

+ | Top | 2D Wireframe

Draw

Hatch

Block

Modify

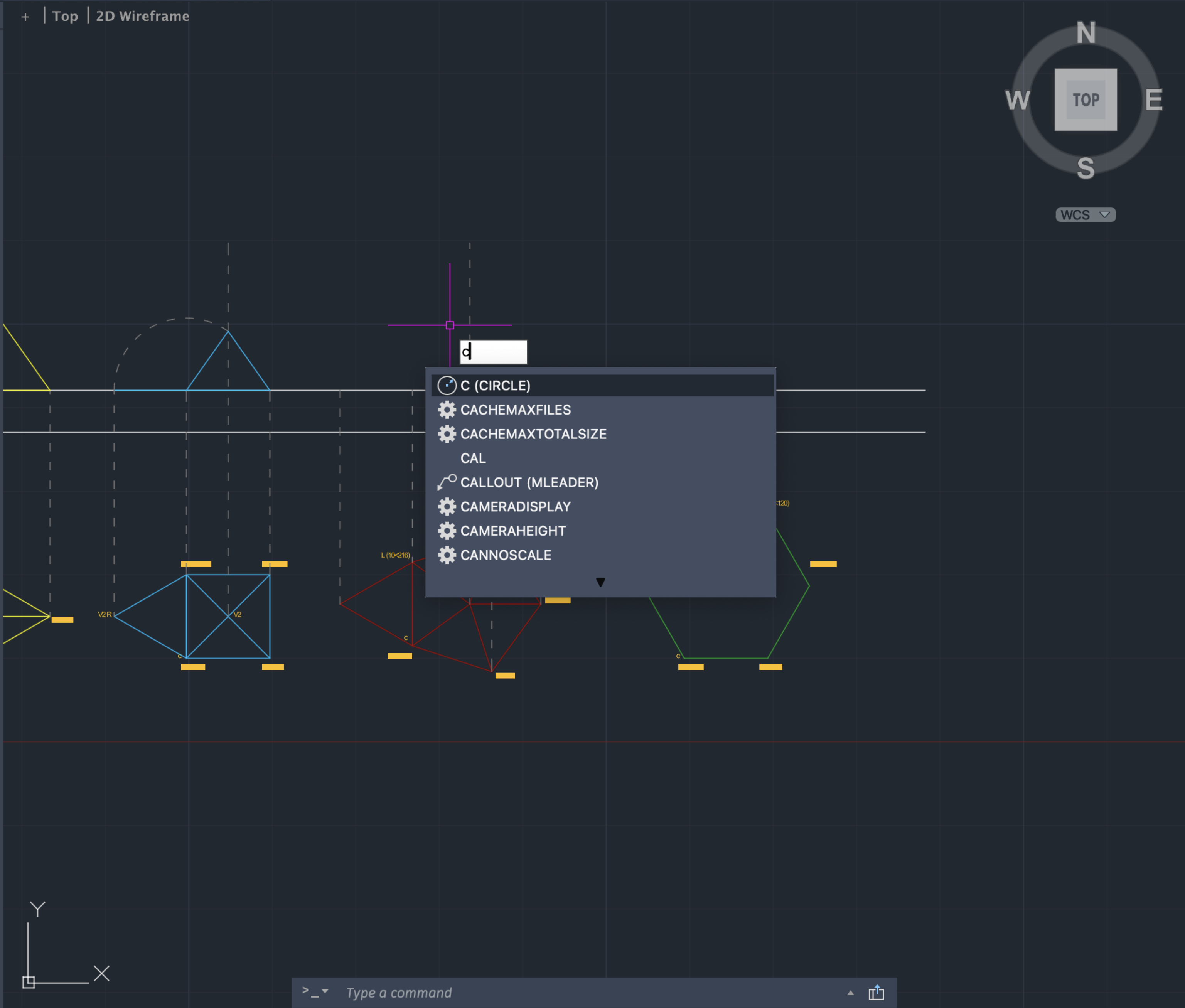
Text

Dimension

Leader

Table

Parametric



Layers

Inv

Unsaved Layer State

Hide Layer List

Name
0
Aux
Cotas
Hex
Inv
Pent
Quad
Texto
Tri

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Inv
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard

Model

Layout1

Layout2

81.2633, 49.7219, 0.0000

Drafting | Modeling << | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

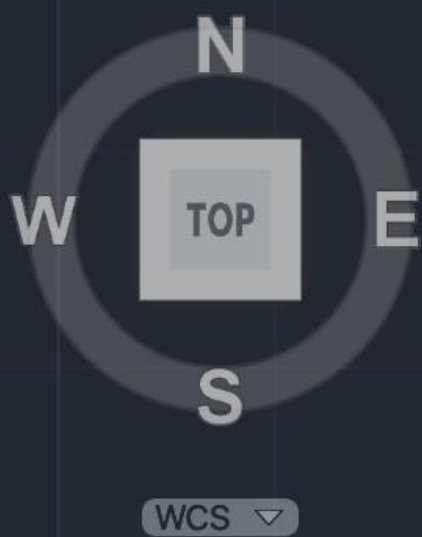
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Inv

Unsaved Layer State

Hide Layer List

Color	Name
0	0
Aux	Aux
Cotas	Cotas
Hex	Hex
Inv	Inv
Pent	Pent
Quad	Quad
Texto	Texto
Tri	Tri

Search for layer

Properties

Circle

General

Color: ByLayer

Layer:

Linetype:

Linetype scale:

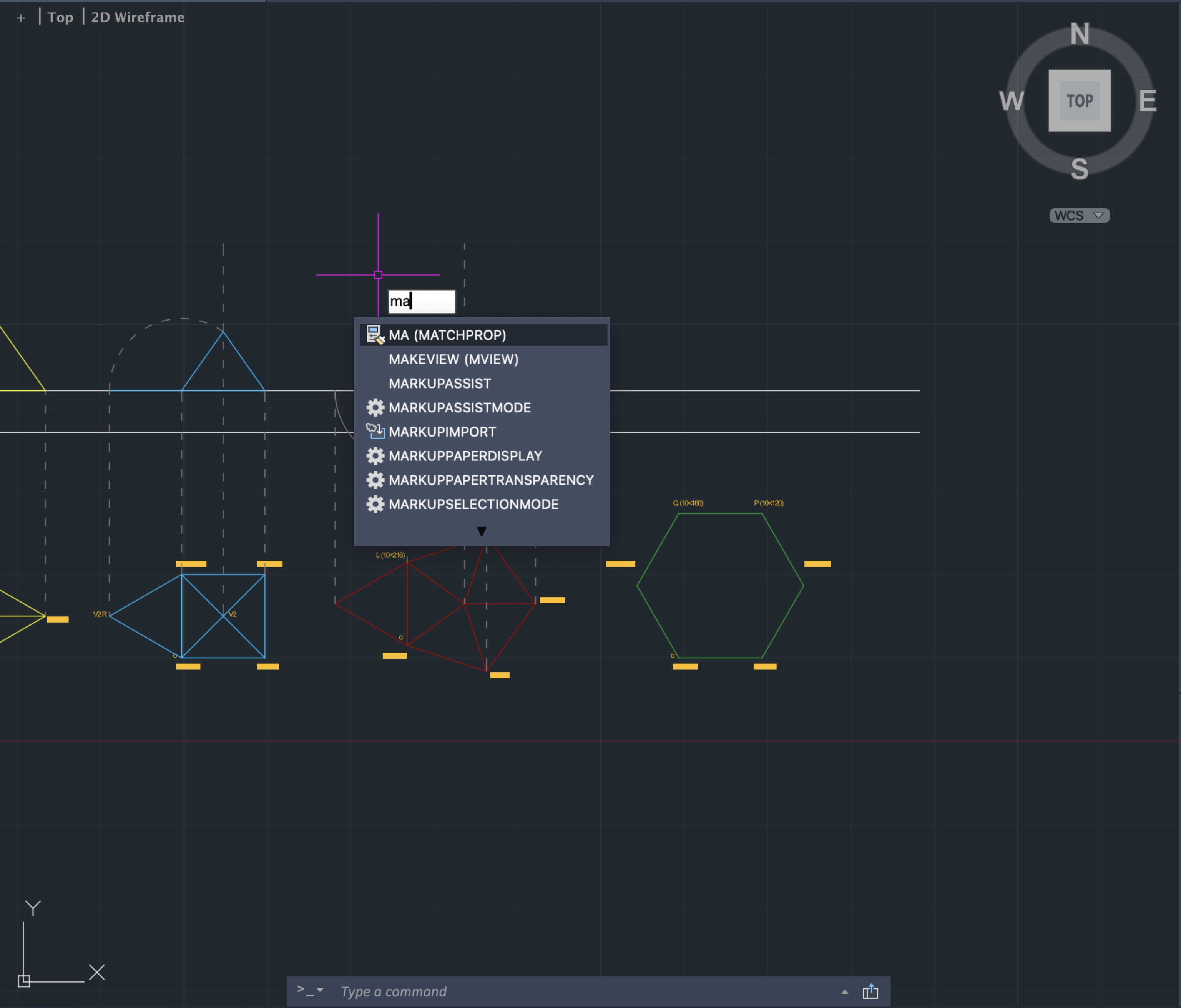
Plot style:

Lineweigh:

Transparency: 0

Thickness:

Toolbars for Drafting, Hatch, Block, Modify, Text, Dimension, Leader, Table, and Parametric.

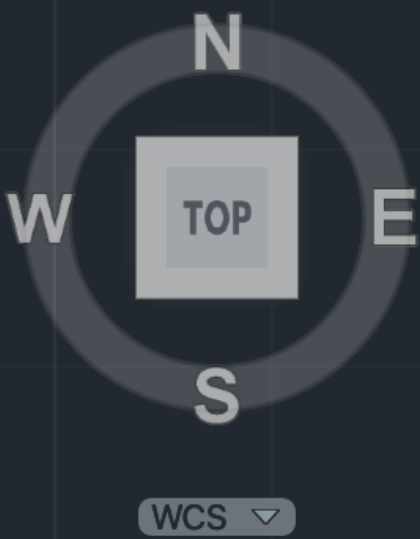
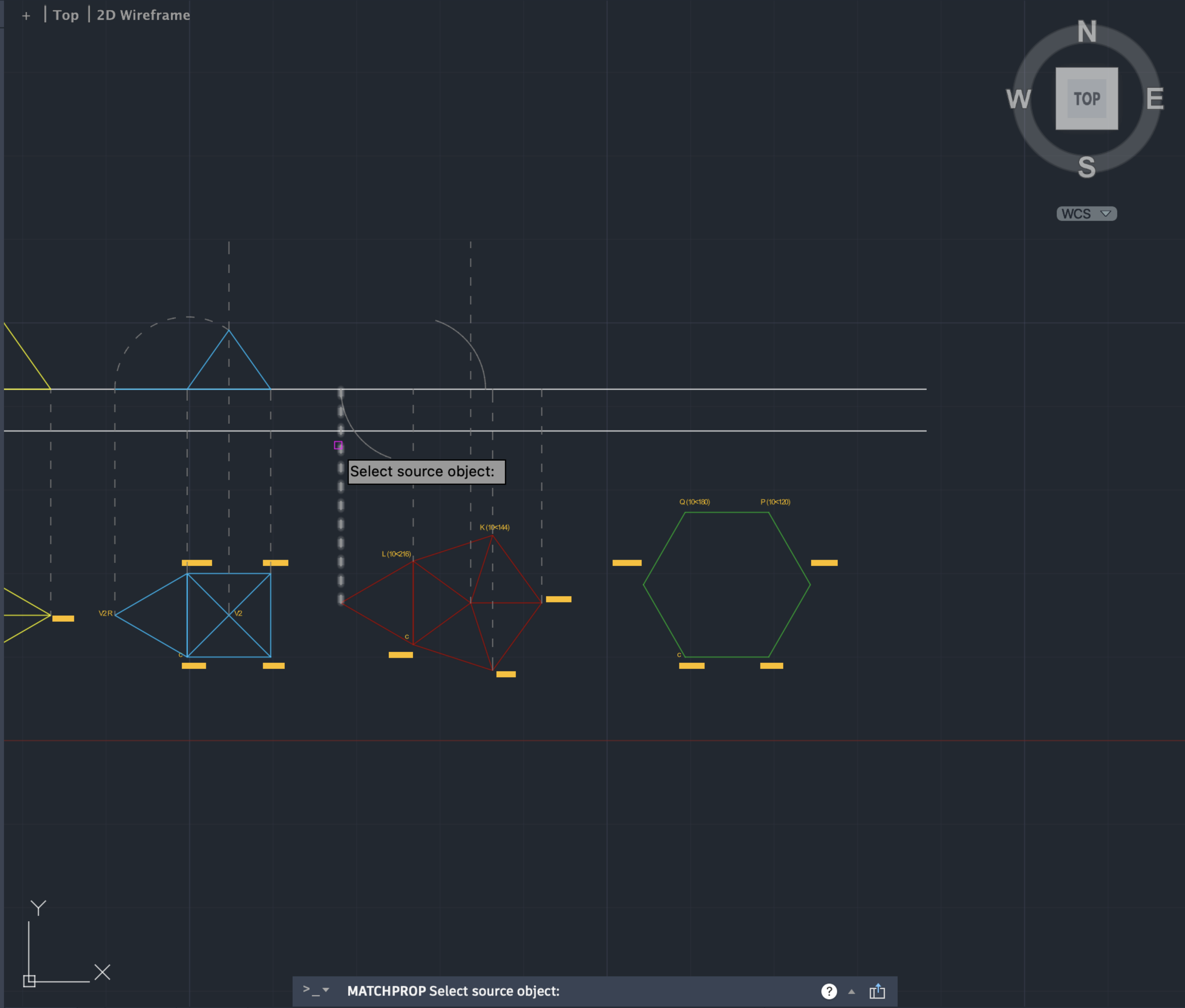


Context menu for the 'ma' text object, listing commands: MA (MATCHPROP), MAKEVIEW (MVIEW), MARKUPASSIST, MARKUPASSISTMODE, MARKUPIMPORT, MARKUPPAPERDISPLAY, MARKUPPAPERTRANSPARENCY, and MARKUPSELECTIONMODE.

Layers and Properties panels. The Layers panel shows a list of layers including 0, Aux, Cotas, Hex, Inv, Pent, Quad, Texto, and Tri. The Properties panel shows settings for the selected object, including Color (ByLayer), Layer (Inv), Linetype (ByLayer), Linetype scale, Lineweight, Transparency, Text style, Dimension style (ISO-25), and Multileader style (Standard).

DraftingModeling<<+ | Top | 2D Wireframe

▼ Draw



Layers

● [lock] [freeze] [on] [off] Inv

Unsaved Layer State

▼ Hide Layer List

● [lock] [freeze] [on] [off] Inv

● [lock] [freeze] [on] [off] Aux

● [lock] [freeze] [on] [off] Cotas

● [lock] [freeze] [on] [off] Hex

● [lock] [freeze] [on] [off] Inv

● [lock] [freeze] [on] [off] Pent

● [lock] [freeze] [on] [off] Quad

● [lock] [freeze] [on] [off] Texto

● [lock] [freeze] [on] [off] Tri

Properties

Model Space

Color

ByLayer

Layer

Inv

Linetype

ByLayer

Linetype scale

Lineweight

Transparency

Text style

Dimension style

ISO-25

Multileader style

Standard

Start

Drafting

Modeling

Top

2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

WCS

TOP

N

S

E

W

Inv

Unsaved Layer State

Hide Layer List

Name

0

Aux

Cotas

Hex

Inv

Pent

Quad

Texto

Tri

Search for layer

Model Space

Color

Layer

Linetype

Linetype scale

Lineweight

Transparency

Text style

Dimension style

Multileader style

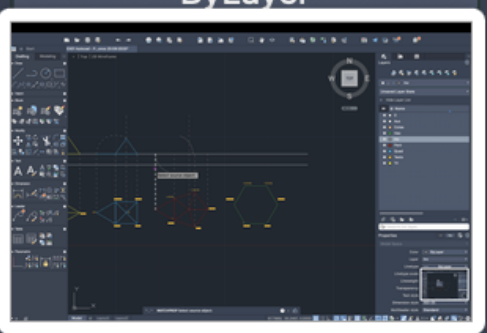
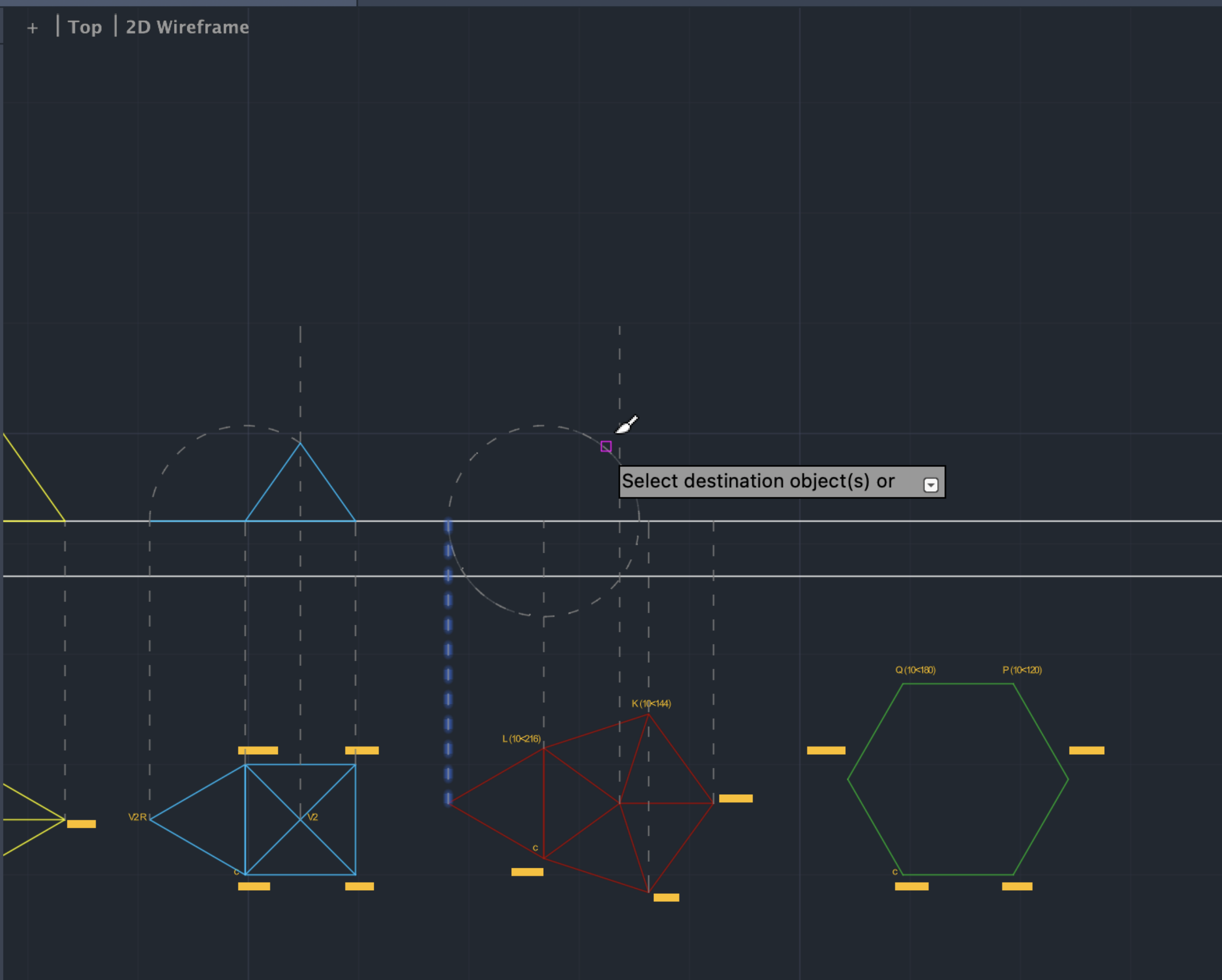
Model

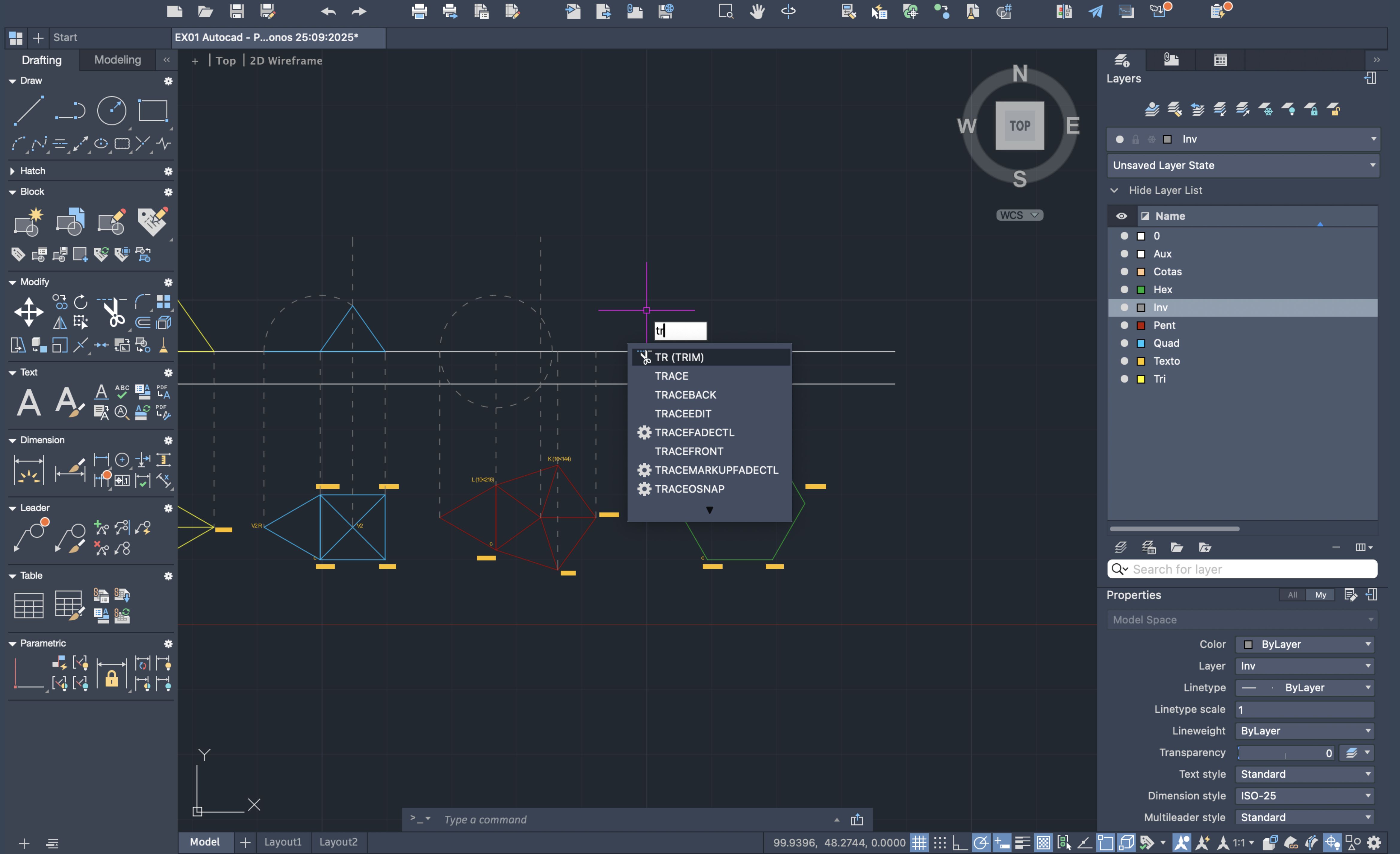
Layout1

Layout2

82.4215, 48.7086, 0.0000

MATCHPROP Select destination object(s) or [Settings]:





Drafting | Modeling << + | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

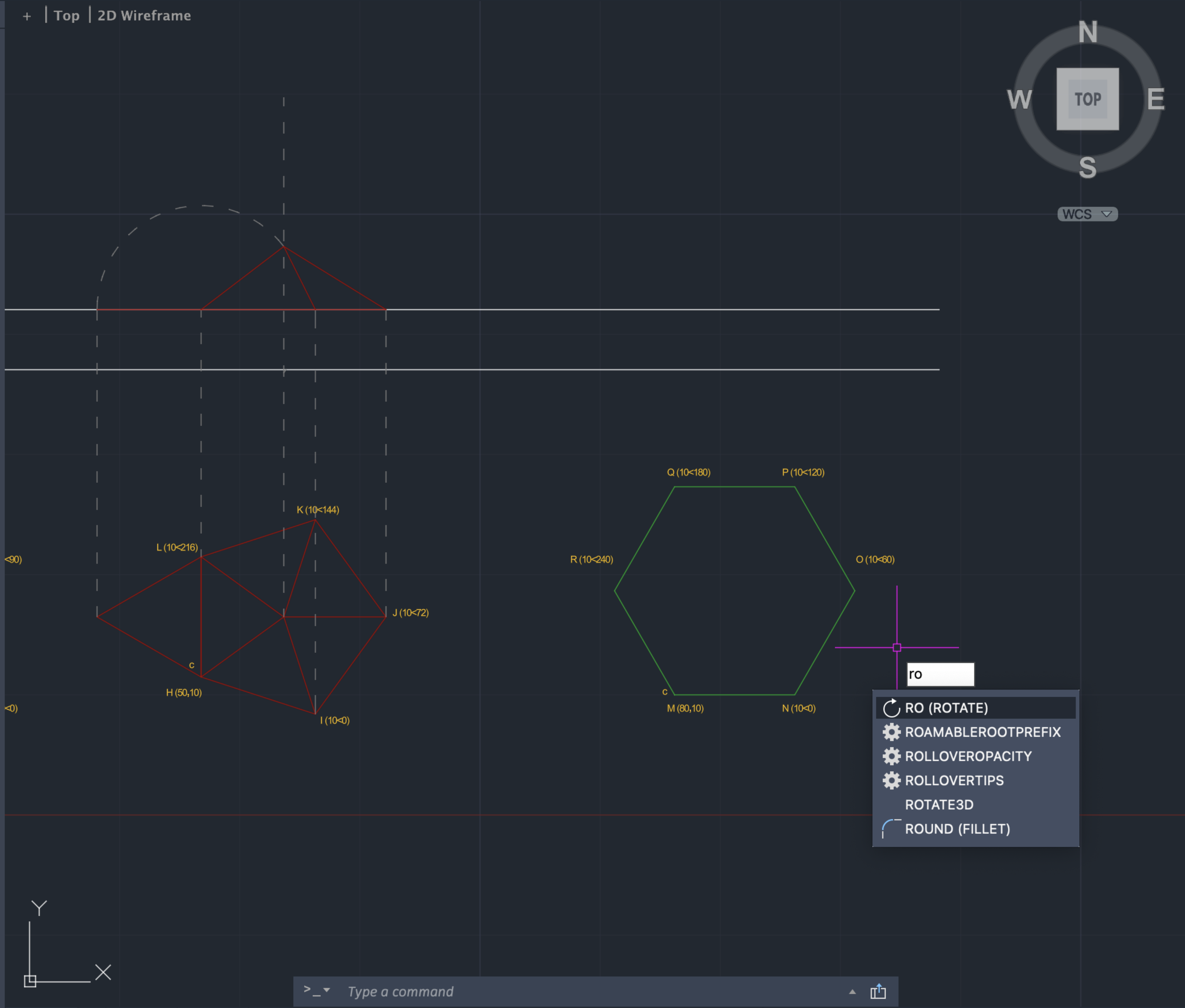
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



ro

RO (ROTATE)
 ROAMBLEROOTPREFIX
 ROLLOVEROPACITY
 ROLLOVERTIPS
ROTATE3D
 ROUND (FILLET)

Layers

● Pent

Unsaved Layer State

▼ Hide Layer List

	Name
●	0
●	Aux
●	Cotas
●	Hex
●	Inv
●	Pent
●	Quad
●	Texto
●	Tri

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Pent

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Multileader style

Standard

Drafting Modeling << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

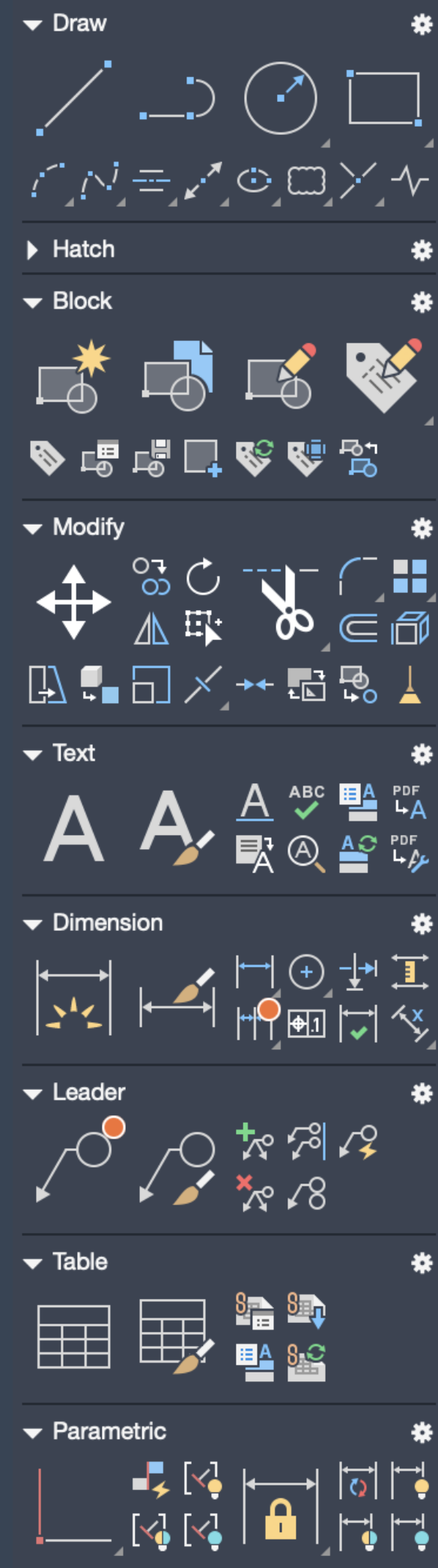
▼ Hide Layer List

Name
0
Aux
Cotas
Hex
Inv
Pent
Quad
Texto
Tri

Properties

Model Space

Color	ByLayer
Layer	Pent
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard



Layers

Pent

Unsaved Layer State

Hide Layer List

Name

0

Aux

Cotas

Hex

Inv

Pent

Quad

Texto

Tri

Search for layer

Properties

AllMy

Model Space

ColorByLayer

LayerPent

LinetypeByLayer

Linetype scale1

LineweightByLayer

Transparency0

Text styleStandard

Dimension styleISO-25

Multileader styleStandard

Drafting

Modeling

<<

+ | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

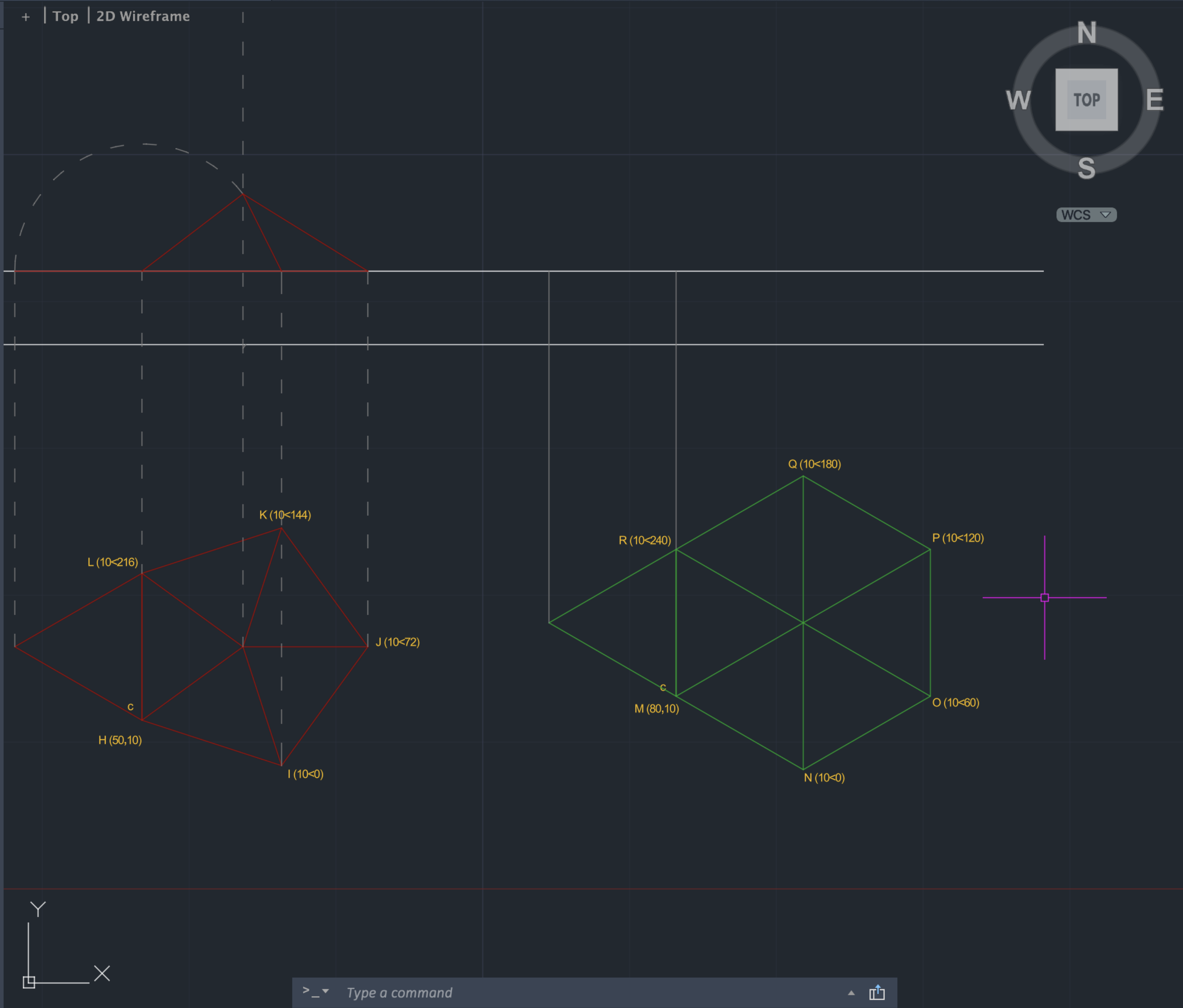
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Hex

Unsaved Layer State

Hide Layer List

Eye	Name
☐	0
☐	Aux
☐	Cotas
☐	Hex
☐	Inv
☐	Pent
☐	Quad
☐	Texto
☐	Tri

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Hex
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard

Drafting Modeling

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Hatch

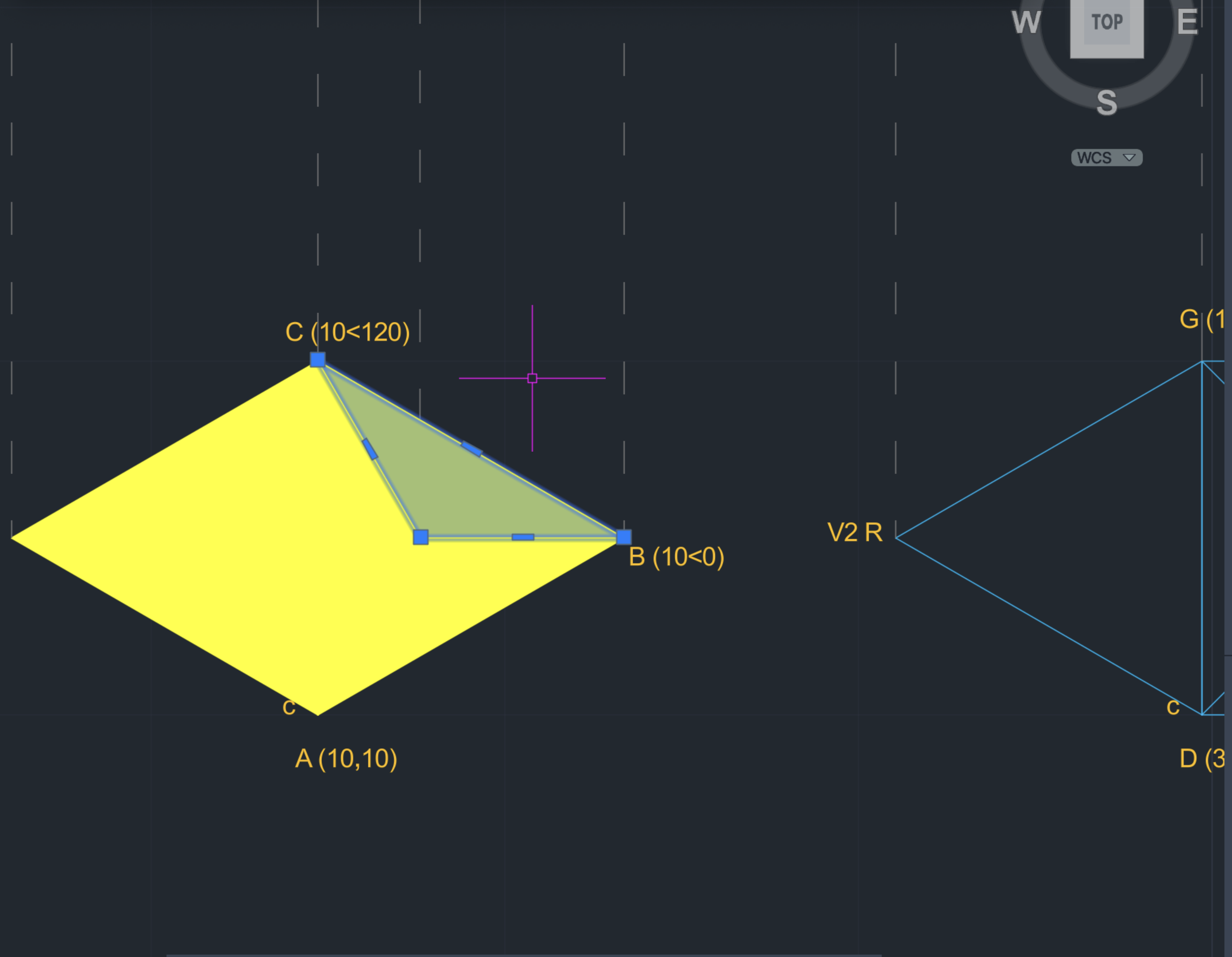
Pick Points

Select Boundary

N
W
E
S

TOP

WCS



Layers

Tri

Unsaved Layer State

Hide Layer List

Name

0

Aux

Cotas

Hex

Inv

Pent

Quad

Texto

Tri

Search for layer

Properties

Hatch

General

Color

ByLayer

Layer

Tri

Linetype

ByLayer

Linetype scale

1

Plot style

ByColor

Lineweight

ByLayer

Drafting | **Modeling** | << | + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, etc.

Hatch

Block

Modify

- Move, Rotate, Scale, etc.

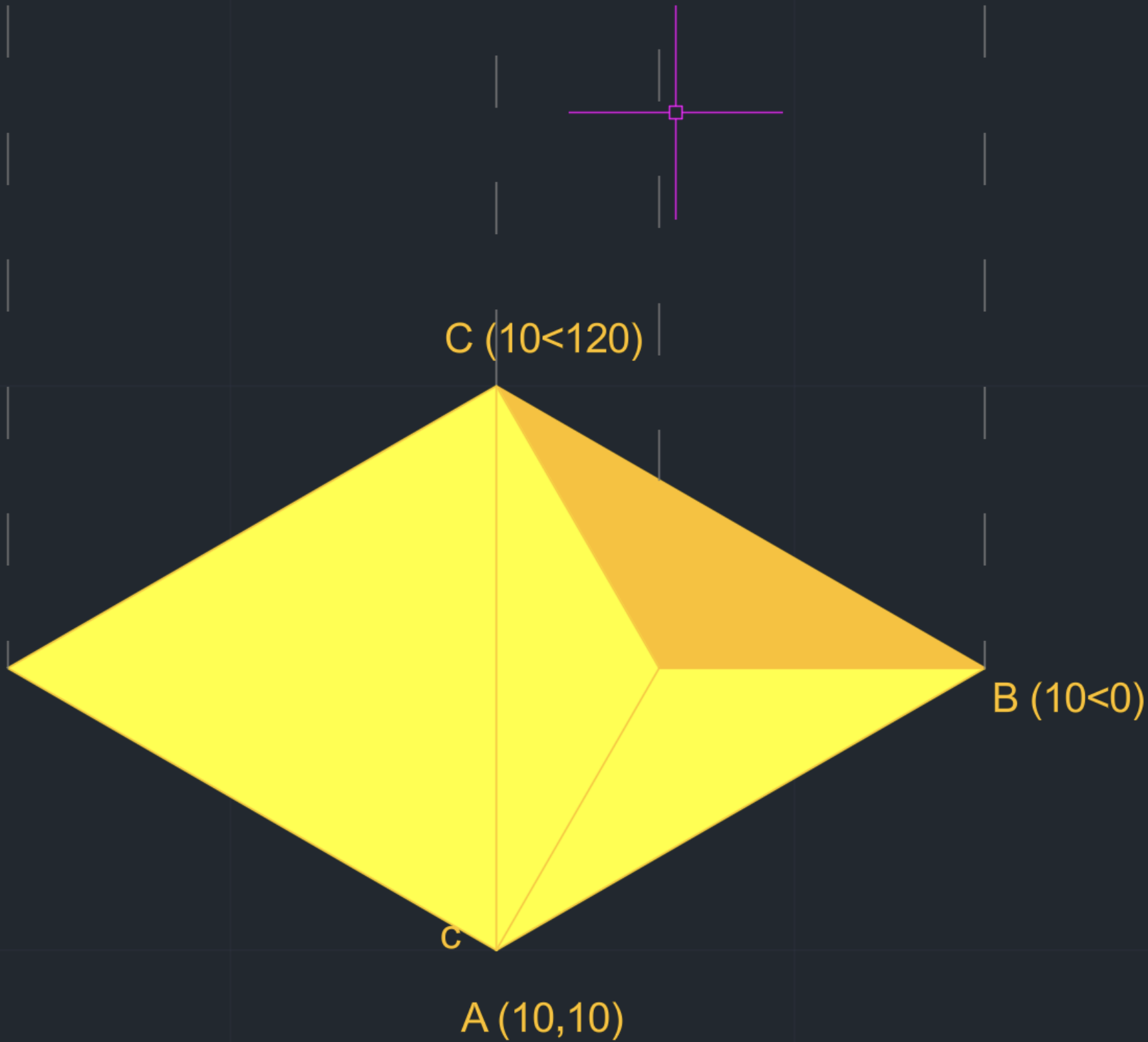
Text

Dimension

Leader

Table

Parametric



V2 R



Layers

Tri

Unsaved Layer State

Hide Layer List

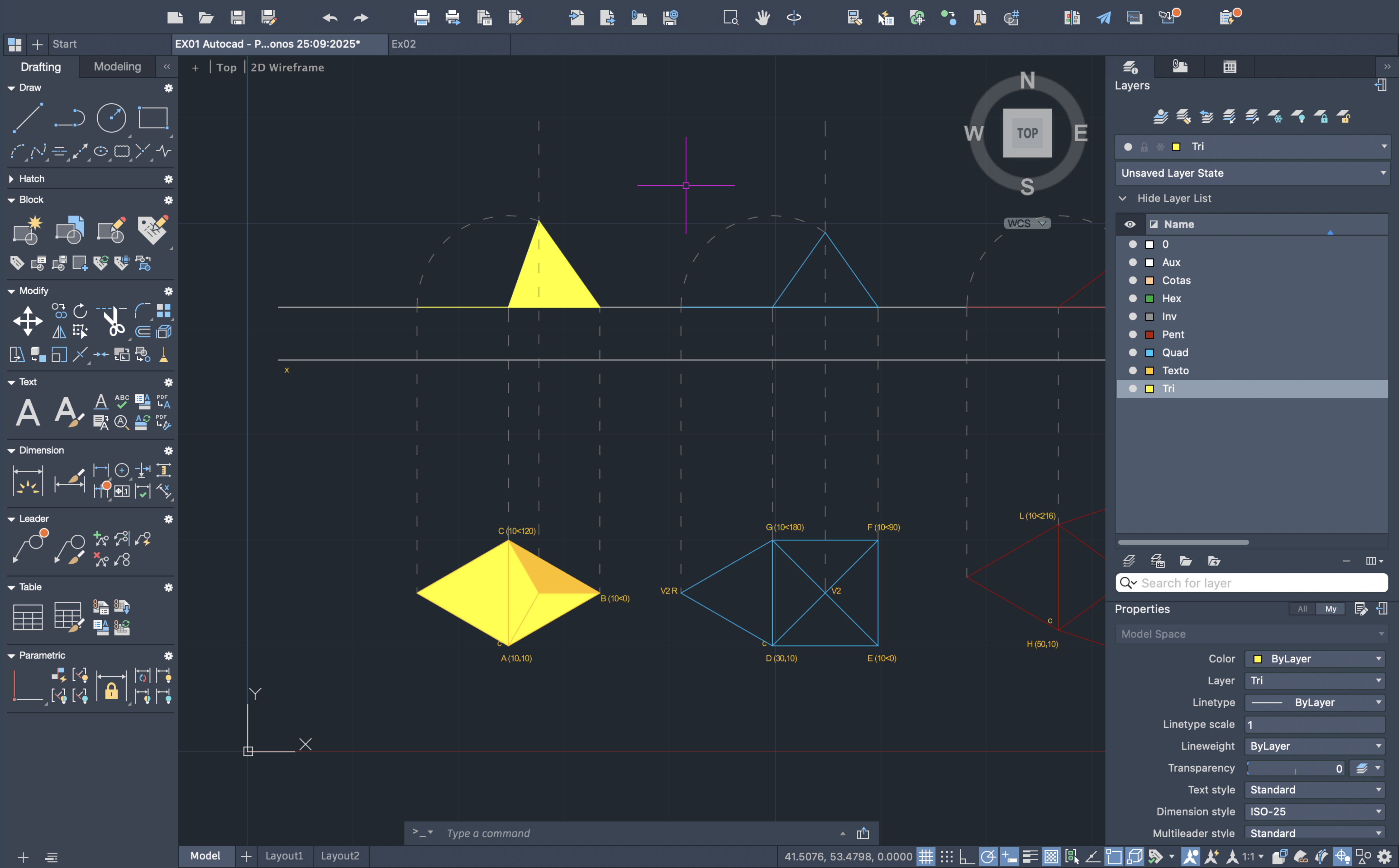
Name
0
Aux
Cotas
Hex
Inv
Pent
Quad
Texto
Tri

Search for layer

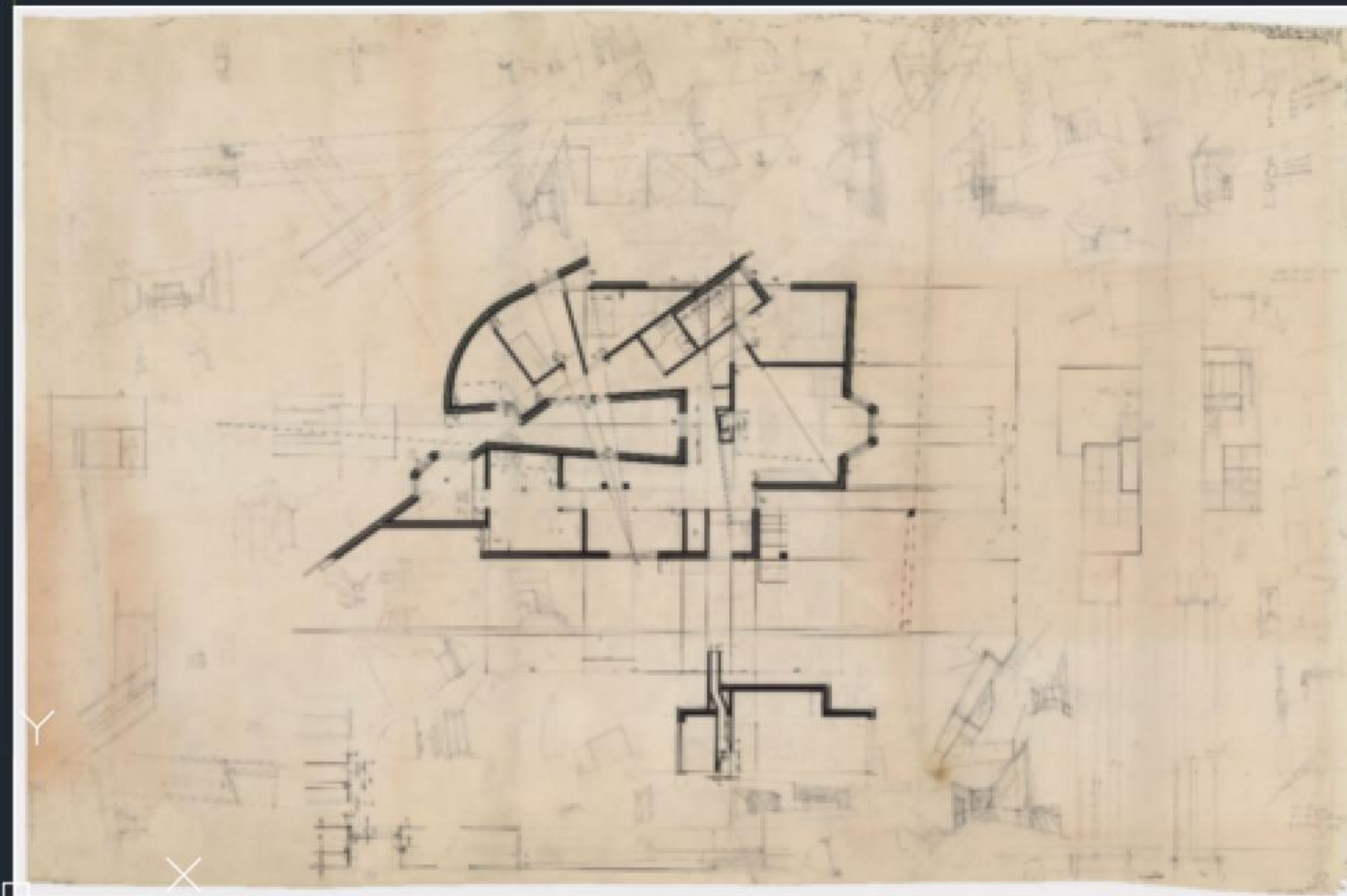
Properties

Model Space

Color	ByLayer
Layer	Tri
Linetype	ByLayer
Linetype scale	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension style	ISO-25
Multileader style	Standard



Através do comando ATTATCH
buscamos a imagem da planta
da casa António Carlos Siza
previamente guardada no
computador



Criámos layers que nos irão
acompanhar ao longo do
desenhpo

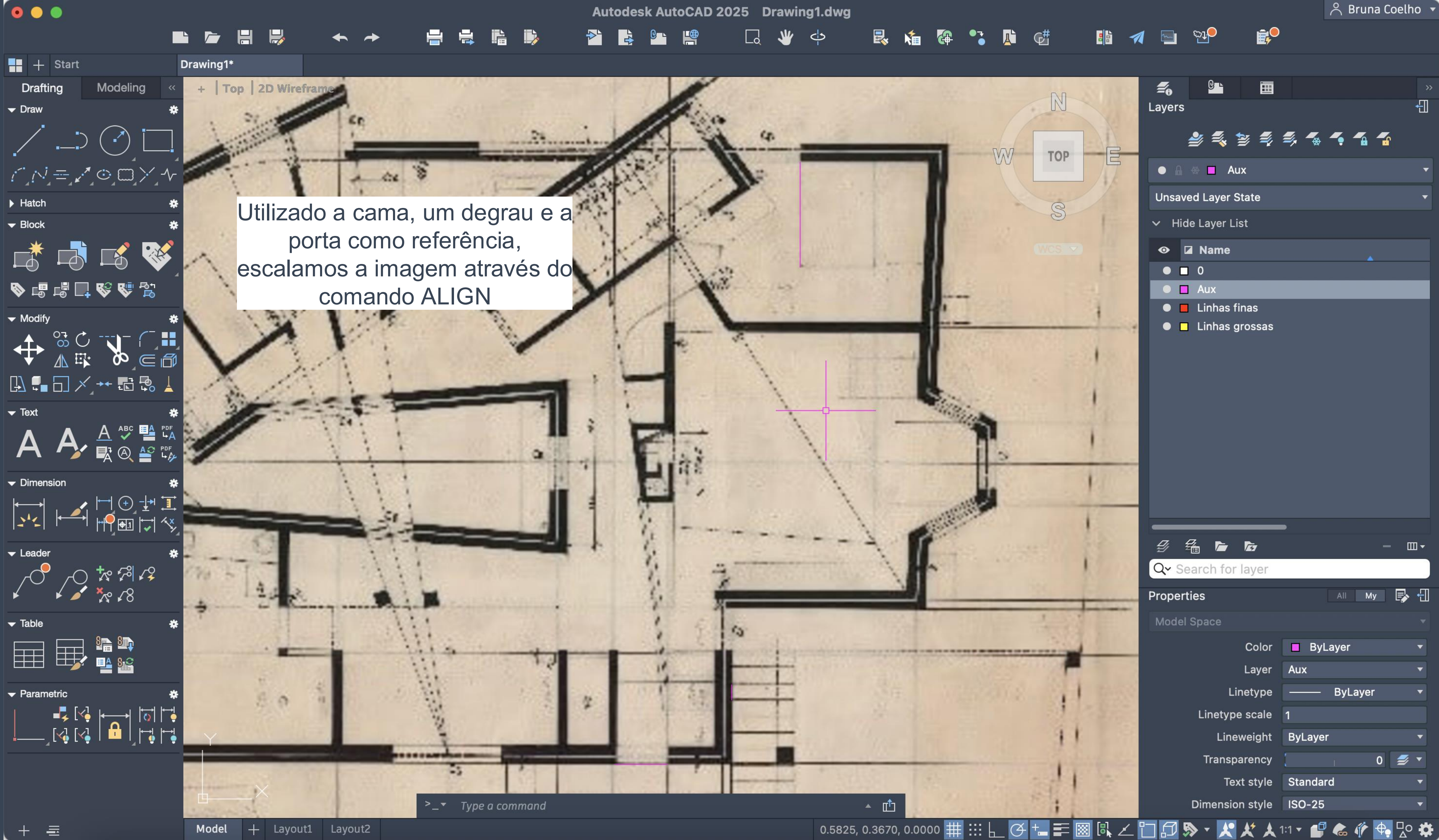
Layers

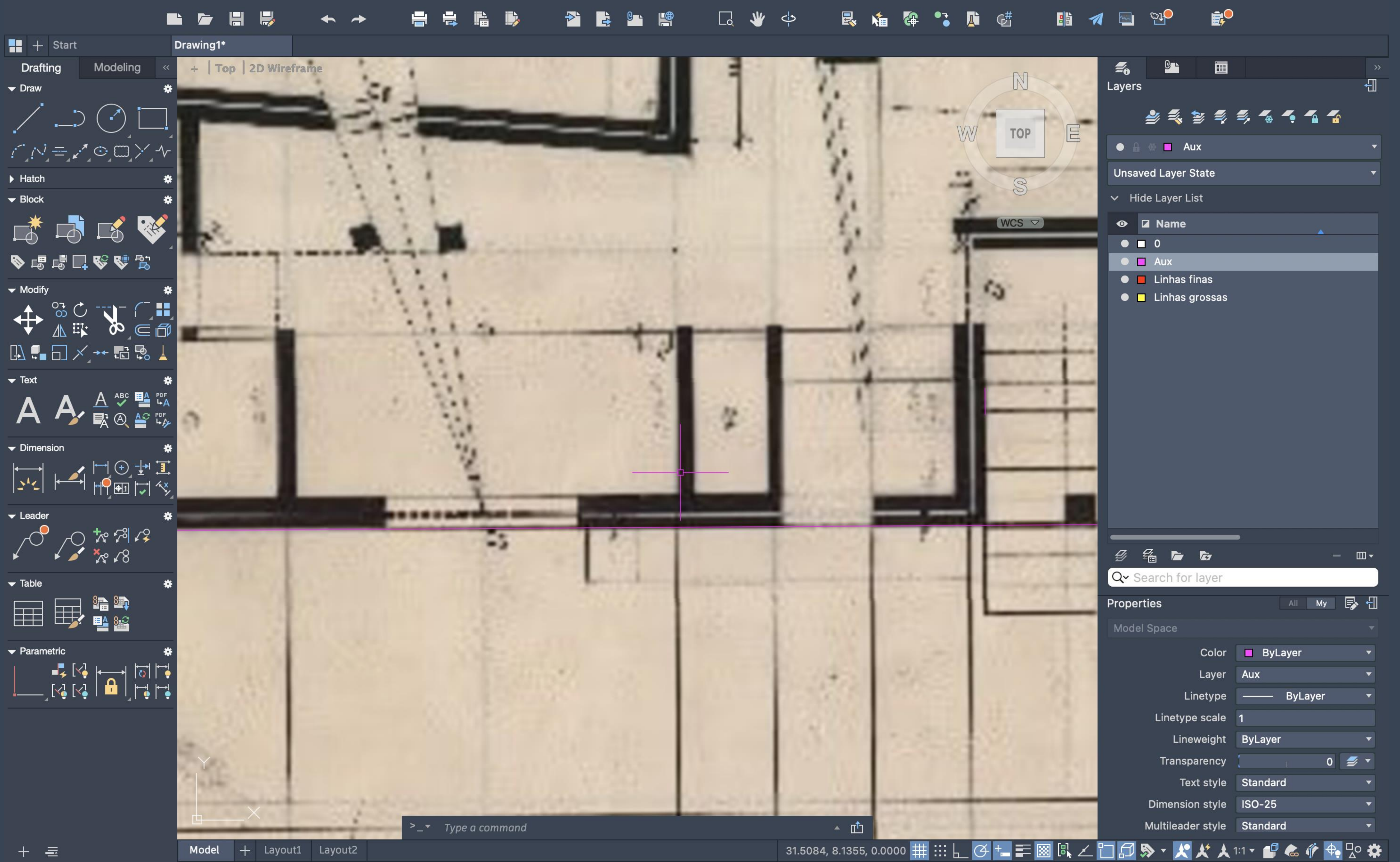
- 0
- Aux
- Linhas finas
- Linhas grossas

Properties

Model Space

Color ByLayer
Layer 0
Linetype ByLayer
Linetype scale 1
Lineweight ByLayer
Transparency 0
Text style Standard
Dimension style ISO-25

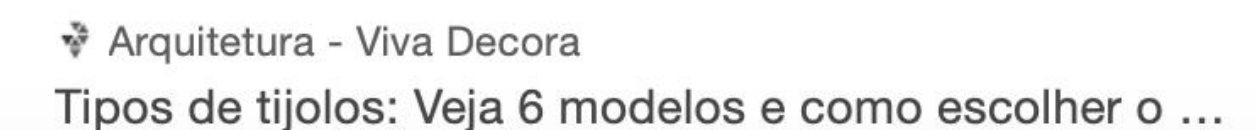
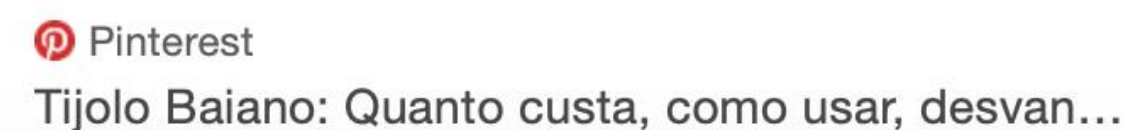
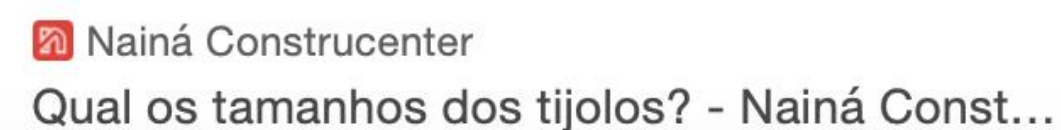


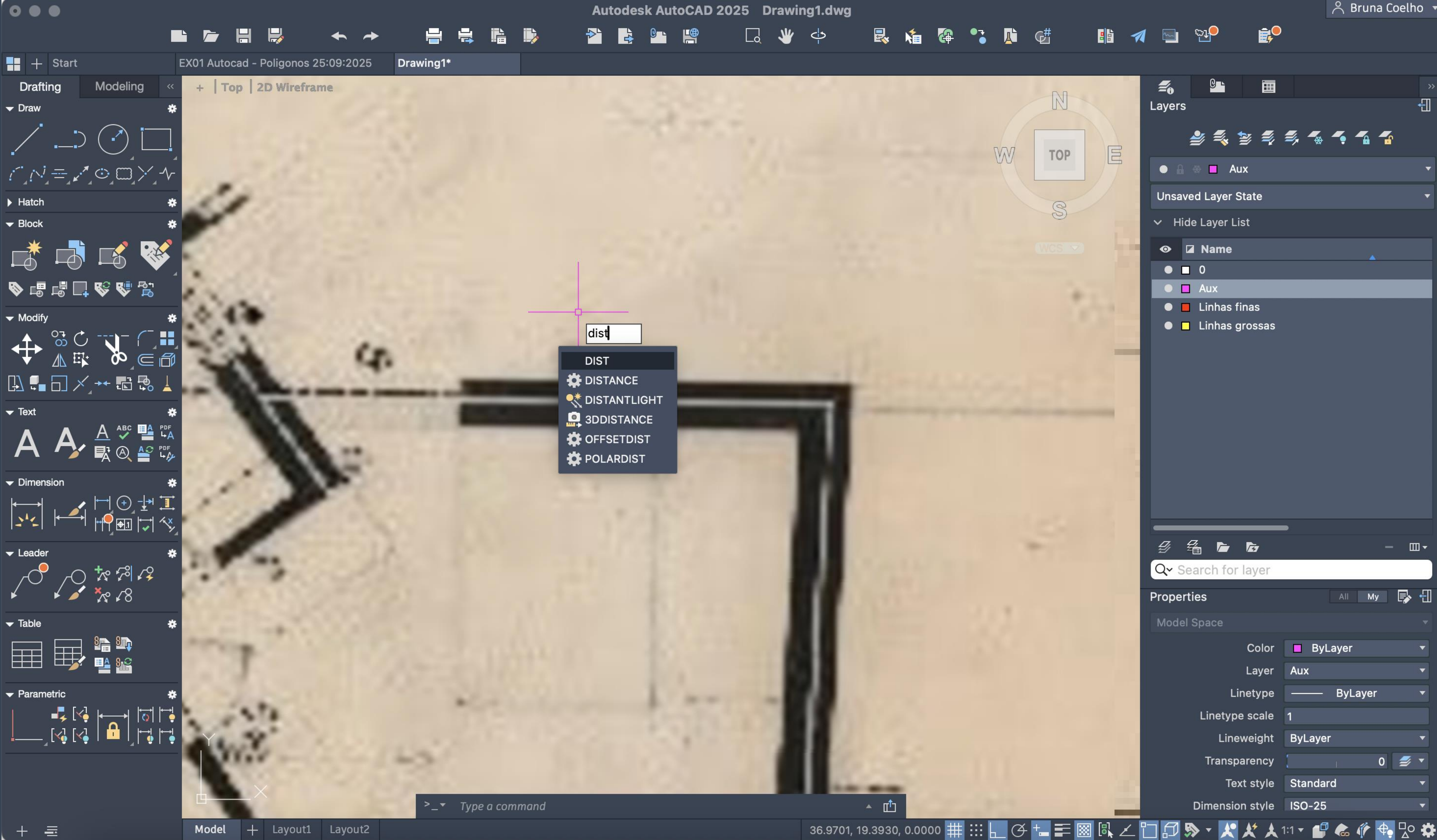


...



Para fazer as paredes,
pesquisamos medidas de tijolo





Drafting

Modeling

<<

Draw

Hatch

Block

Modify

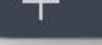
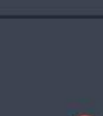
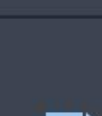
Text

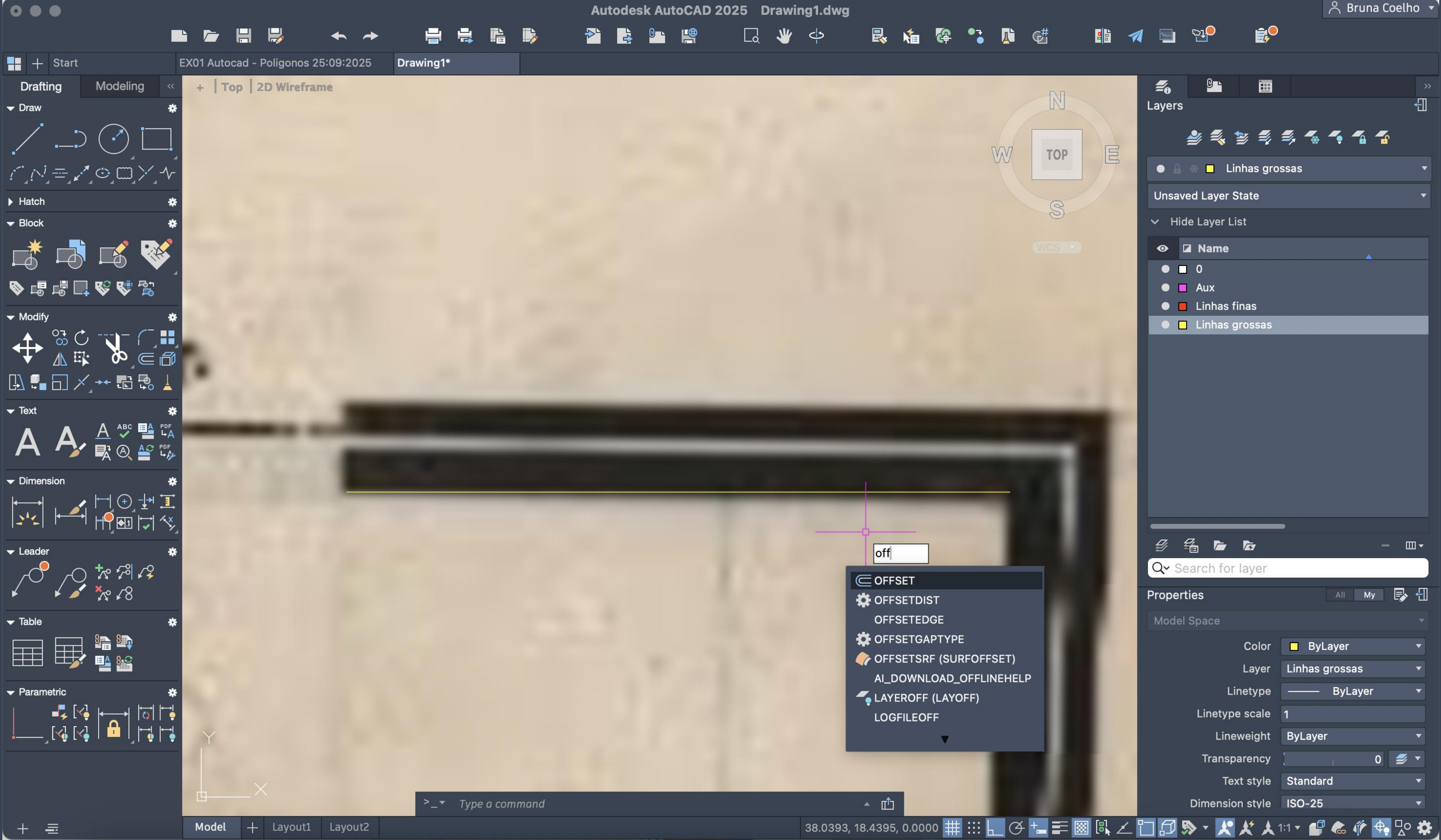
Dimension

Leader

Table

Parametric

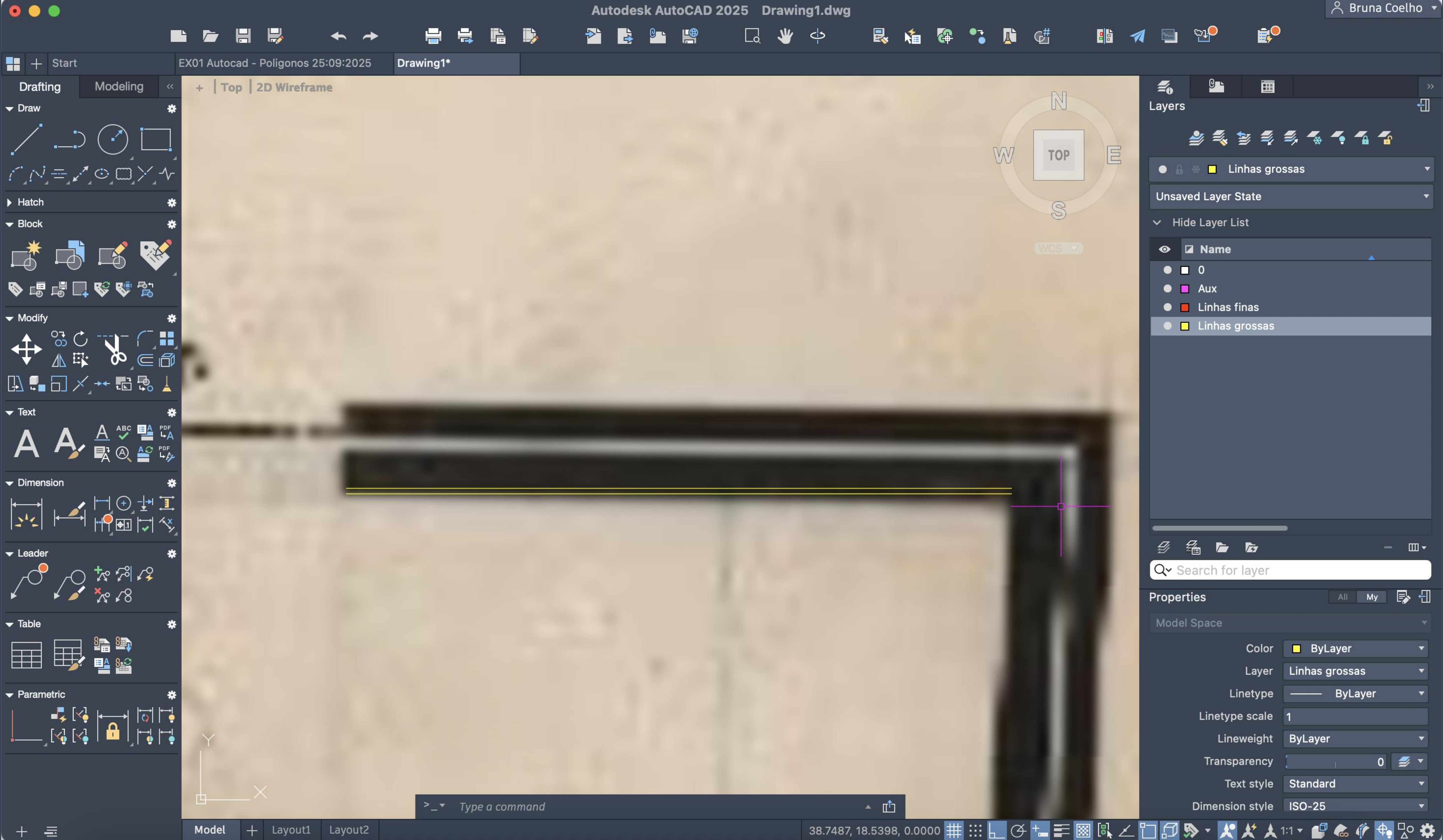






DraftingModeling<<

▼ Draw



Drafting Modeling

Draw

Hatch

Block

Modify

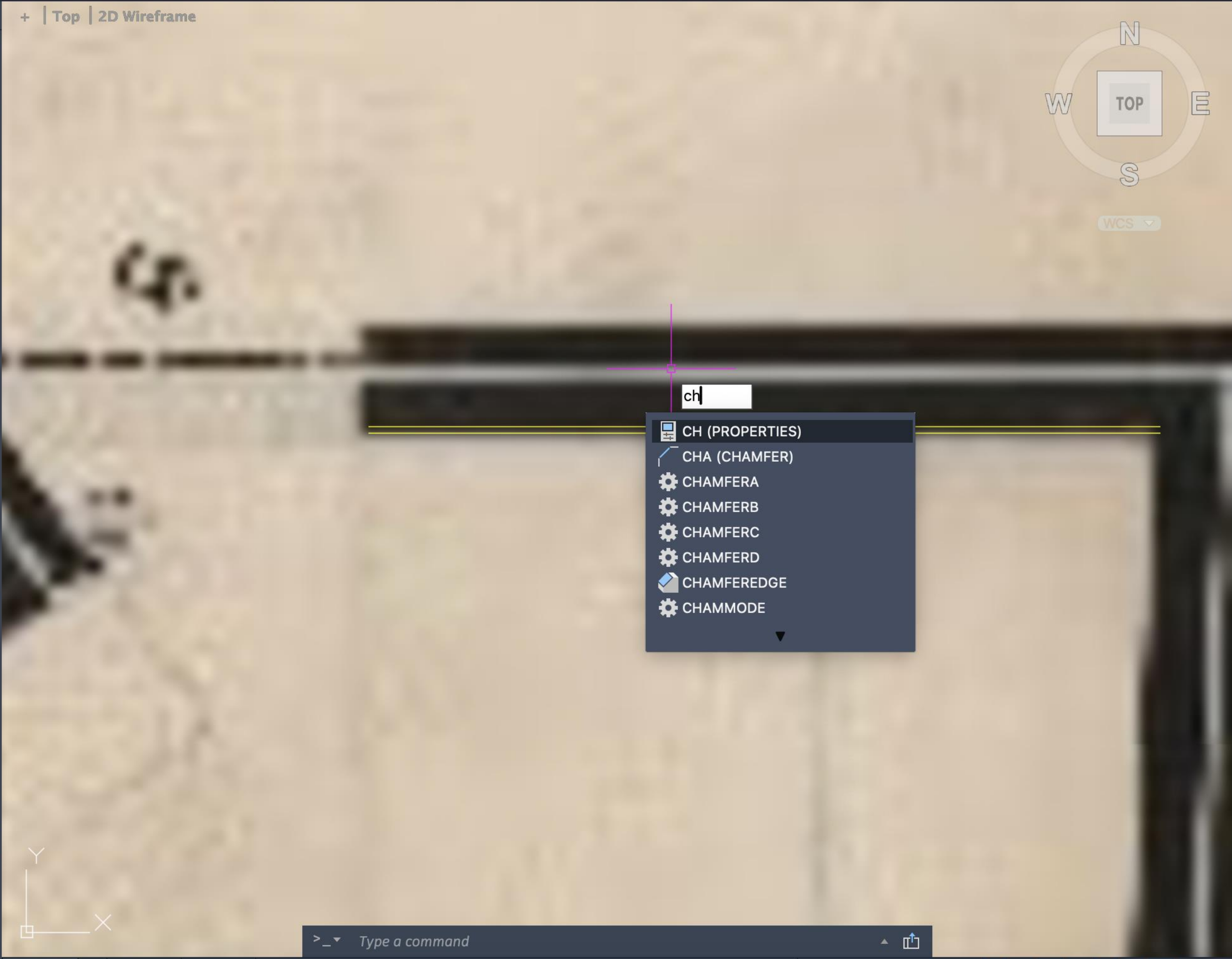
Text

Dimension

Leader

Table

Parametric



- CH (PROPERTIES)
- CHA (CHAMFER)
- CHAMFERA
- CHAMFERB
- CHAMFERC
- CHAMFERD
- CHAMFEREDGE
- CHAMMODE

Layers

Hide Layer List

Properties

Model Space

Color

ByLayer

Layer

Linhas grossas

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

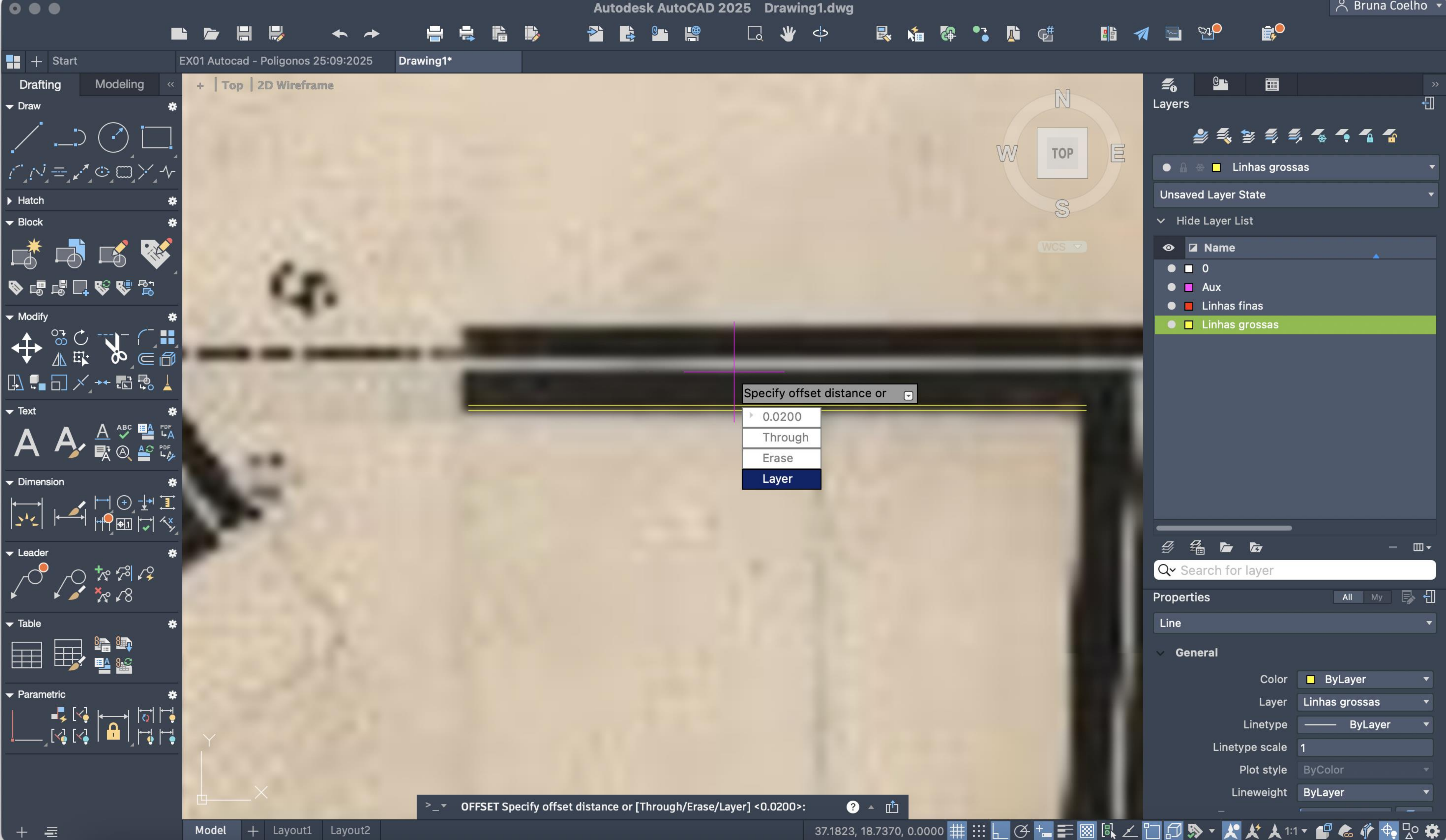
0

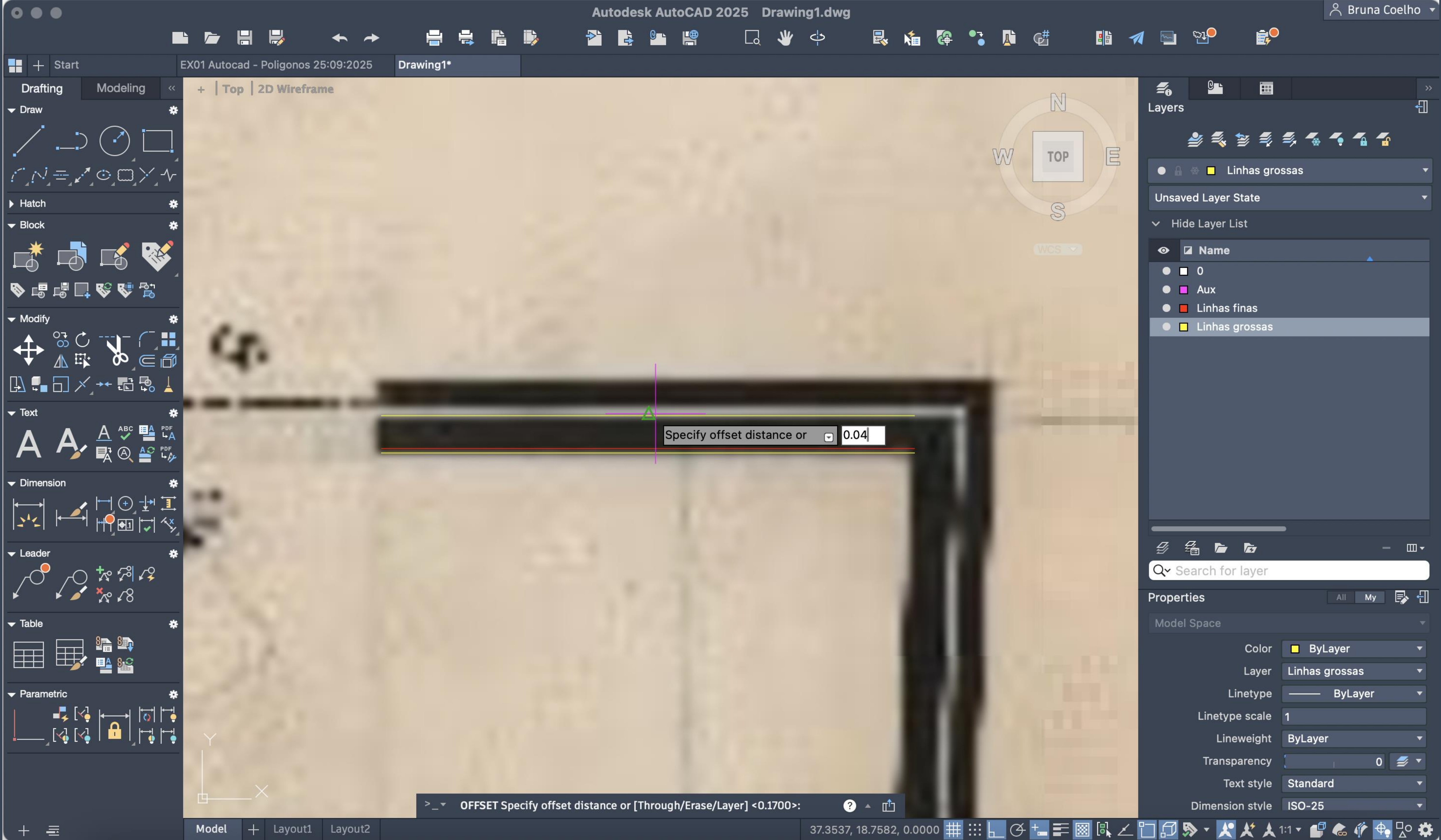
Text style

Standard

Dimension style

ISO-25







Drawing1*

Drafting

Modeling

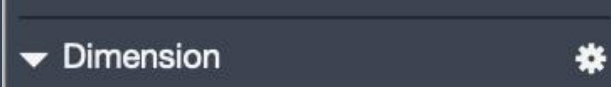
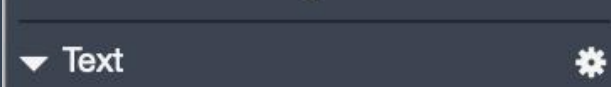
+ | Top | 2D Wireframe



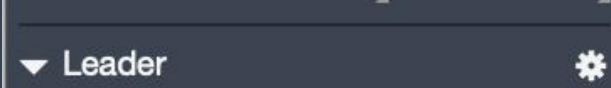
▶ Hatch



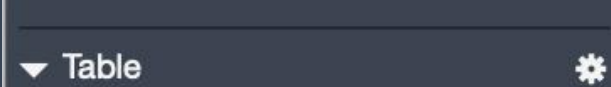
▼ Modify



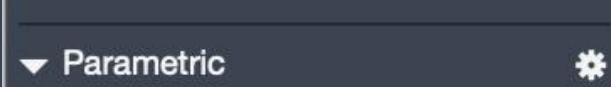
▼ Dimension



▼ Leader



▼ Table



▼ Parametric

Specify point on side to offset or

0.04

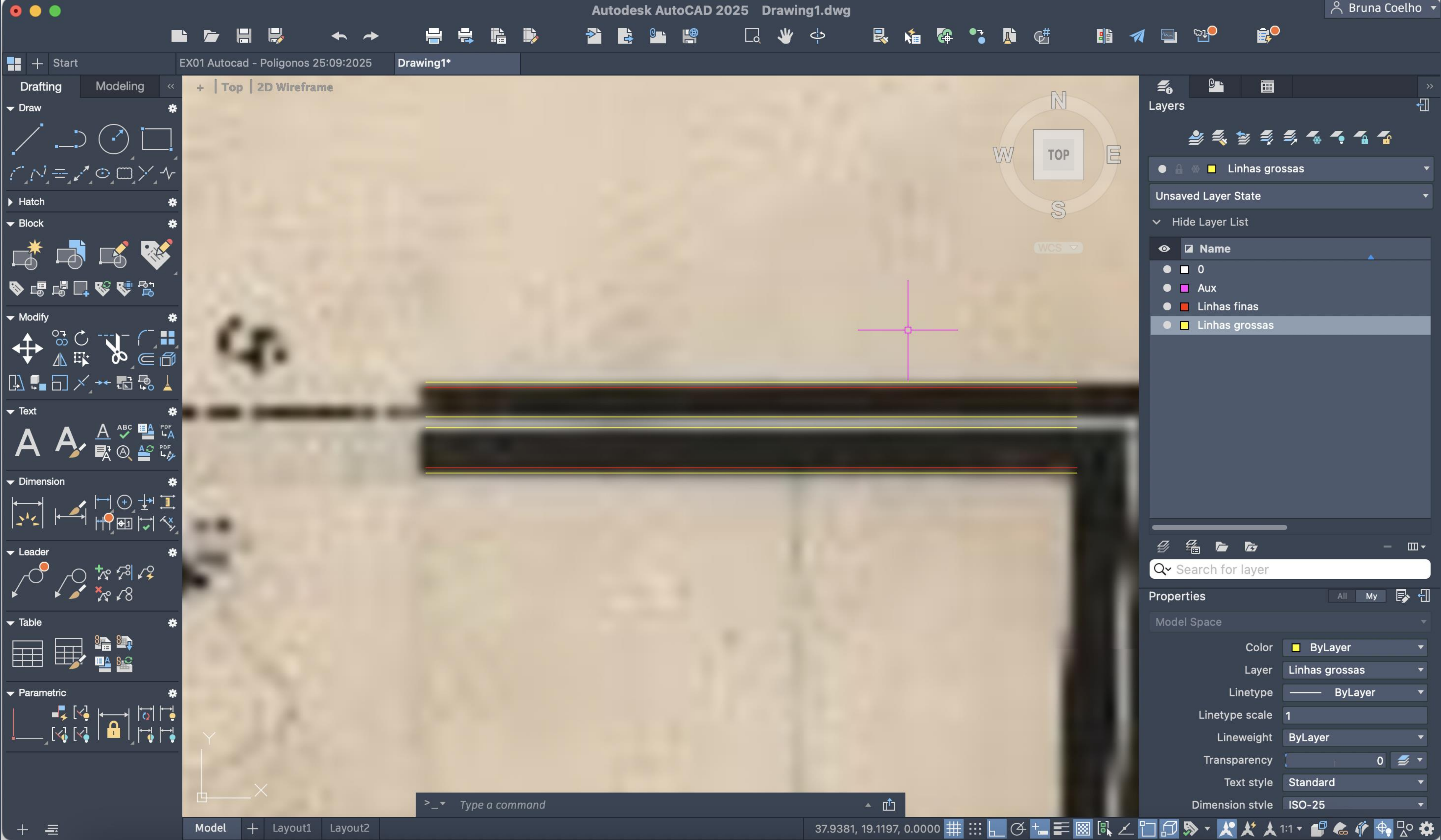
> _ ▾ **OFFSET** Specify point on side to offset or [Exit/Multiple/Undo] <Exit>:

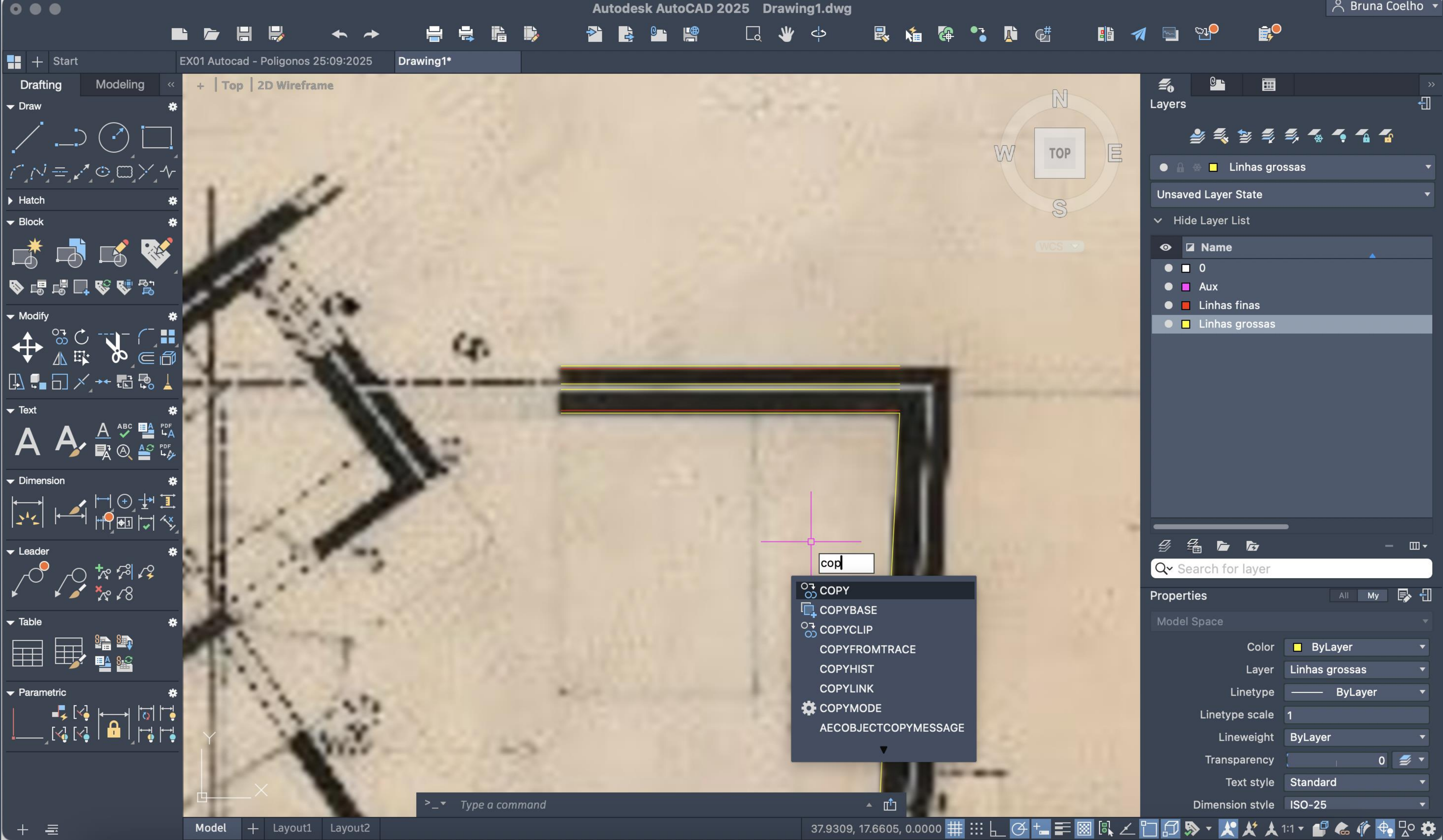
37.4666, 19.1781, 0.0000

Model

Layout1

Layout2





Drafting | Modeling << | Top | 2D Wireframe

Draw

- Line, Polyline, Circle, Rectangle, Arc, Ellipse, Spline, Mline, Dimension, Leader, Table, Parametric

Hatch

Block

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Isolate, Freeze, Thaw, Lock, Hide, Isolate, Freeze, Thaw

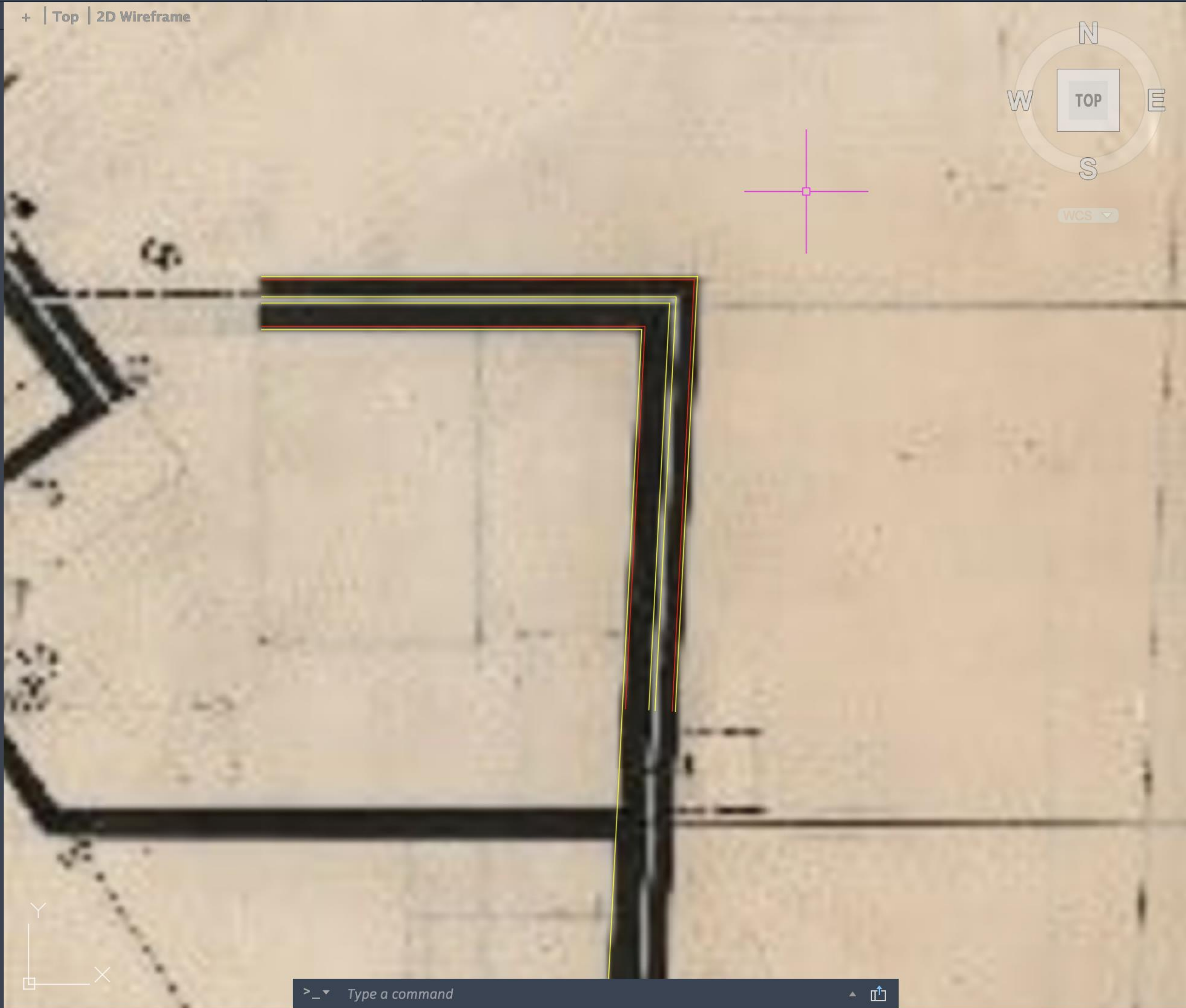
Text

Dimension

Leader

Table

Parametric



Layers

Layers palette showing the current layer state. The active layer is 'Linhas grossas' (thick lines). The palette includes a search bar and a list of layers with their respective colors and line types.

Properties

Properties palette for the selected object. It shows the current layer as 'Linhas grossas' and the line type as 'ByLayer'. Other properties like color, linetype scale, and transparency are also visible.

Drafting | **Modeling** | << | + | Top | 2D Wireframe

Draw

- Line, Polyline, Circle, Rectangle, Arc, Ellipse, Spline, etc.

Hatch

Block

- Insert, Modify, Delete, etc.

Modify

- Move, Rotate, Scale, Mirror, etc.

Text

- Single line, Multiline, etc.

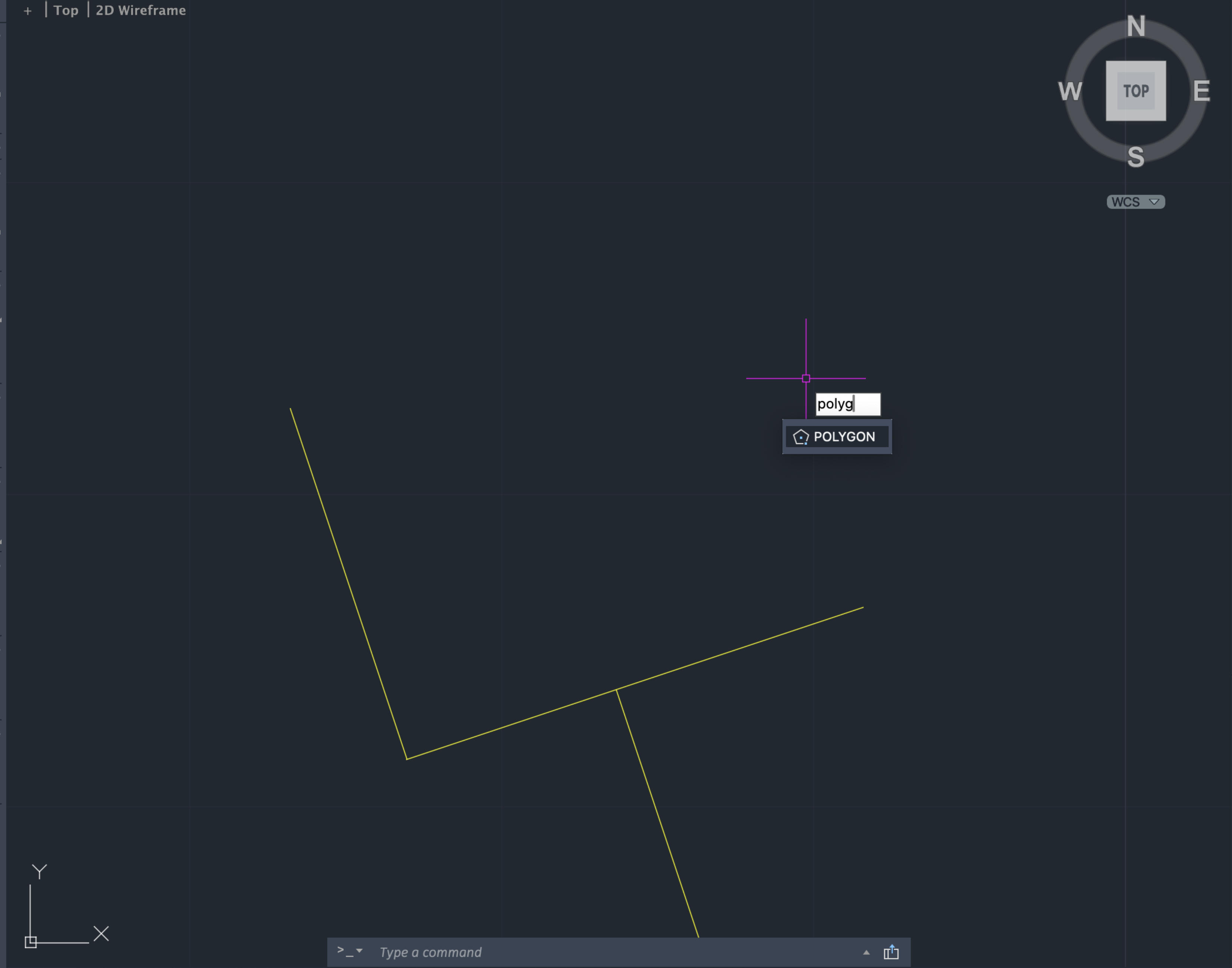
Dimension

- Horizontal, Vertical, Angular, etc.

Leader

Table

Parametric



Layers

- Aux
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Linhas finas
- Linhas grossas

Properties

Model Space

- Color: ByLayer
- Layer: Aux
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension s...: ISO-25

Drafting | **Modeling** | << | Top | 2D Wireframe

Draw

- Line, Polyline, Circle, Rectangle, Ellipse, Arc, Spline, Hatch, Region, Block, Image, Xref, Plot, Print, Save, Open, Recent, Command Line, Properties, Layers, Styles, Viewports, Layouts, Tables, Text, Dimensions, Leaders, Tables, Parametric

Modify

- Move, Rotate, Scale, Mirror, Offset, Trim, Extend, Fillet, Chamfer, Round, Fillet, Chamfer, Round, Fillet, Chamfer, Round

Text

- Text, Text Style, Text Align, Text Justify, Text Orientation, Text Color, Text Layer, Text Style, Text Align, Text Justify, Text Orientation, Text Color, Text Layer

Dimension

- Dimension, Dimension Style, Dimension Align, Dimension Justify, Dimension Orientation, Dimension Color, Dimension Layer

Leader

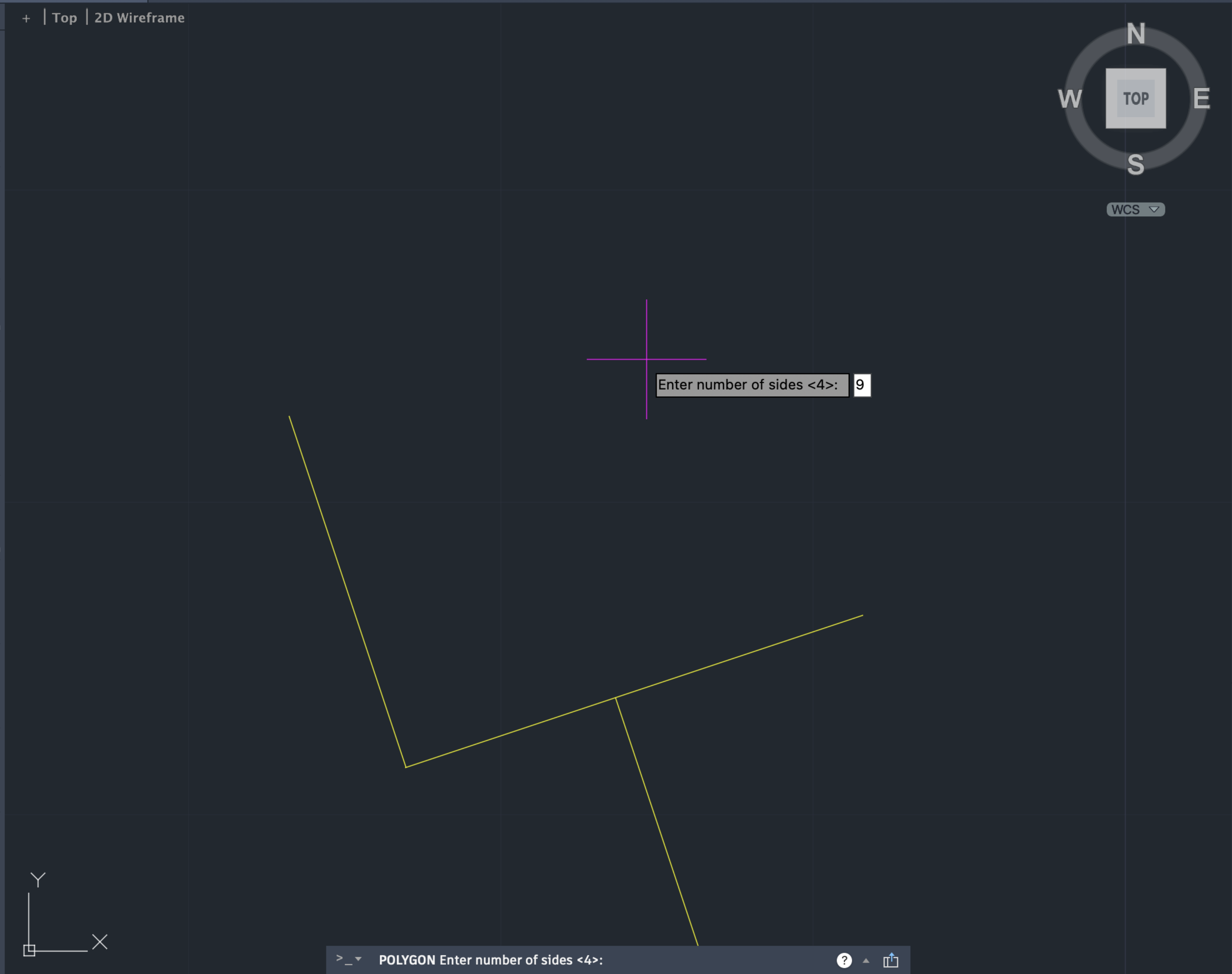
- Leader, Leader Style, Leader Align, Leader Justify, Leader Orientation, Leader Color, Leader Layer

Table

- Table, Table Style, Table Align, Table Justify, Table Orientation, Table Color, Table Layer

Parametric

- Parametric, Parametric Style, Parametric Align, Parametric Justify, Parametric Orientation, Parametric Color, Parametric Layer



Layers

Layers list: 0, Aux, Linhas finas, Linhas grossas

Properties

Model Space

Color: ByLayer

Layer: Aux

Linetype: ByLayer

LineWeight: ByLayer

Transparency: 0

Text: ByLayer

Dimension s...: ISO-25

▼ Draw

▼ Hatch

▼ Block

▼ Modify

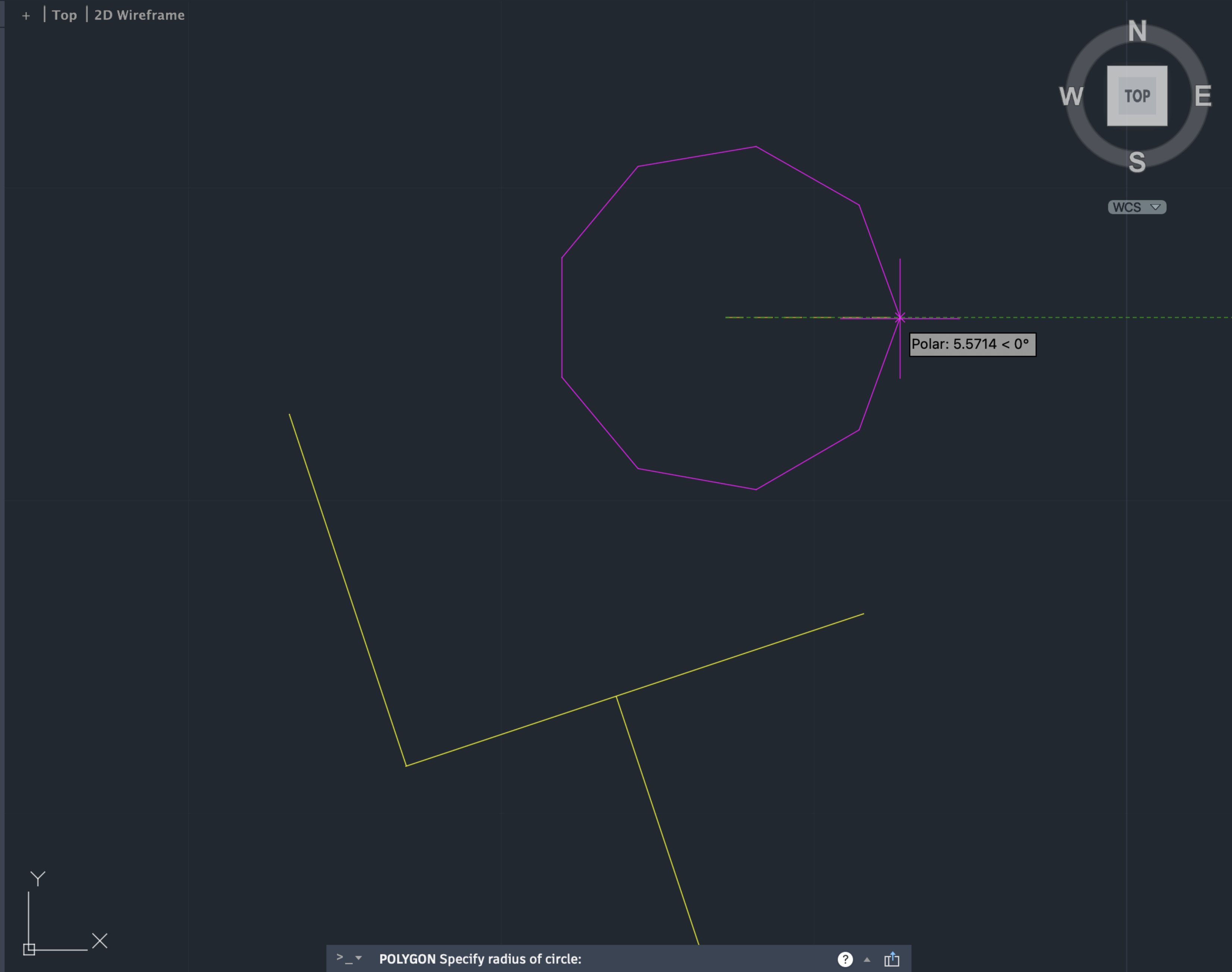
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

▼ Hide Layer List

Eye	Name
●	0
●	Aux
●	Linhas finas
●	Linhas grossas

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Aux
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

Drafting | Modeling | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, etc.

Hatch

Block

- Insert, Move, Rotate, Scale, etc.

Modify

- Move, Rotate, Scale, Stretch, Trim, Fillet, etc.

Text

- Single line, Multiline, etc.

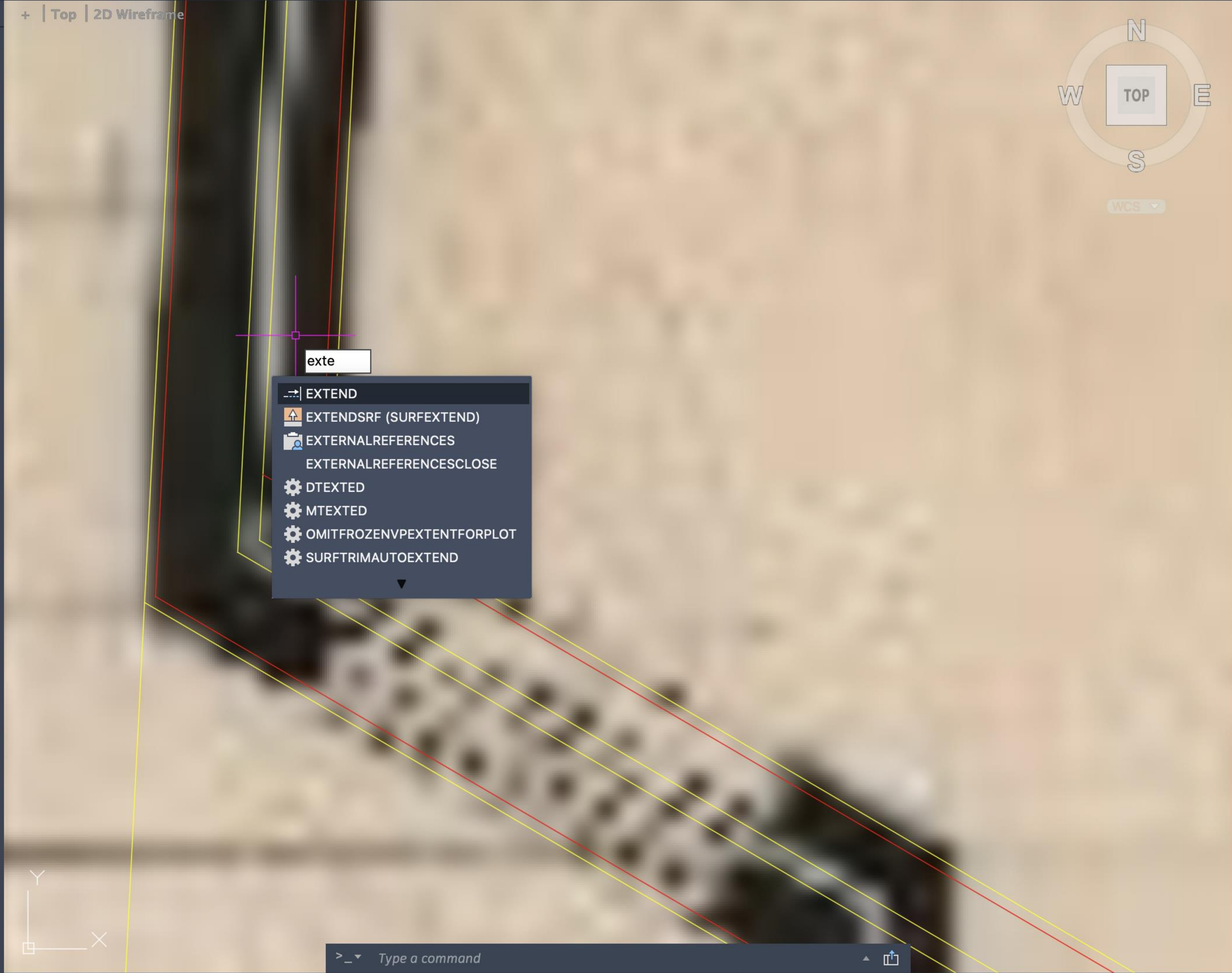
Dimension

- Horizontal, Vertical, Angular, etc.

Leader

Table

Parametric



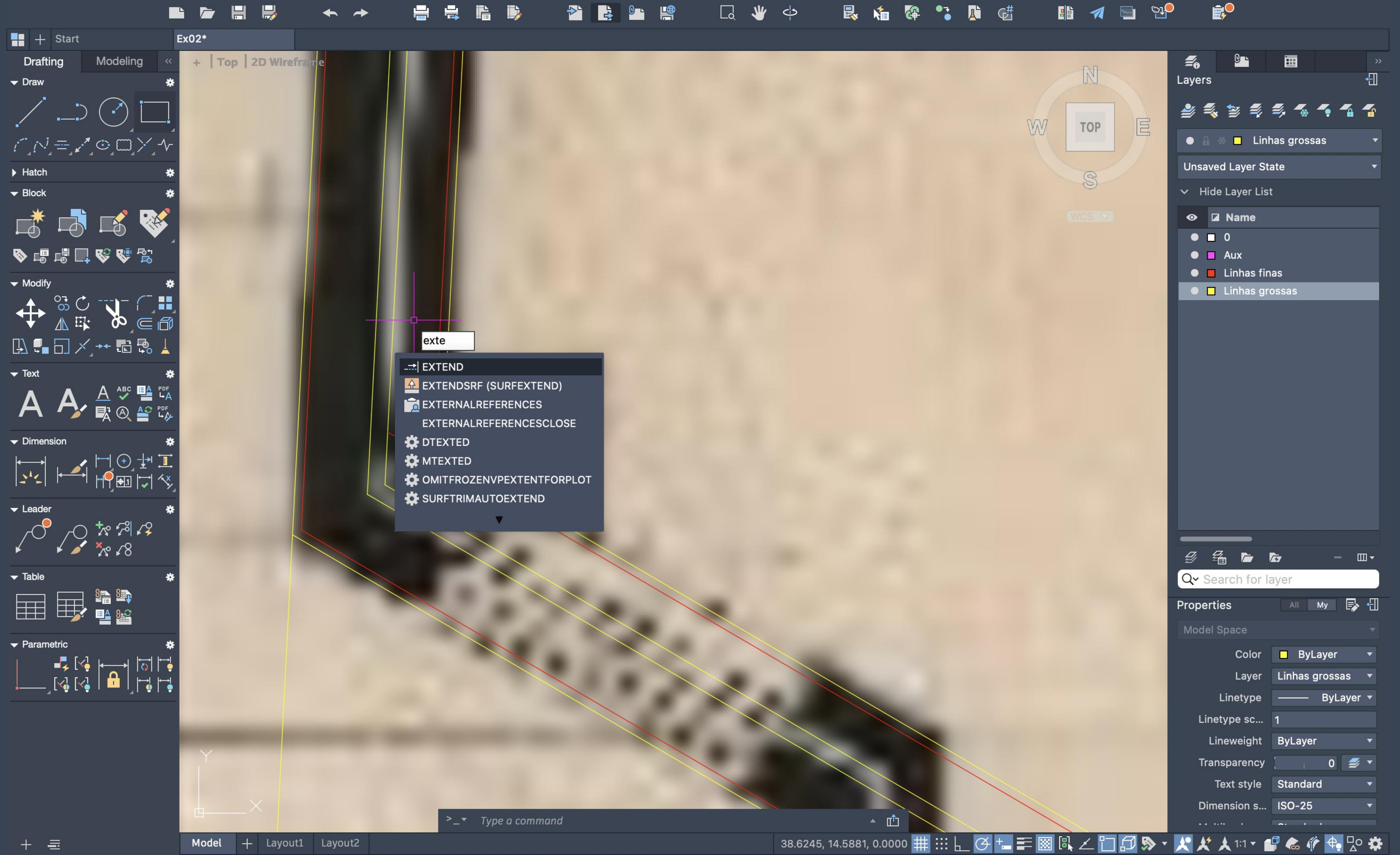
Layers

- Linhas grossas
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Linhas finas
- Linhas grossas

Properties

Model Space

- Color: ByLayer
- Layer: Linhas grossas
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension s...: ISO-25



Drafting | Modeling | << | Top | 2D Wireframe

▼ Draw

- Line, Arc, Circle, Rectangle, Polygon, etc.

► Hatch

▼ Block

- Insert, Move, Rotate, Scale, etc.

▼ Modify

- Move, Rotate, Scale, Stretch, etc.

▼ Text

- Text, Text Style, etc.

▼ Dimension

- Horizontal, Vertical, Angular, etc.

▼ Leader

- Leader, etc.

▼ Table

- Table, etc.

▼ Parametric

- Parametric constraints, etc.



Layers

Layers list: Aux, Unsaved Layer State, Hide Layer List.

▼ Hide Layer List

Eye	Name
●	0
●	Aux
●	Linhas finas
●	Linhas grossas

Search for layer

Properties

Model Space

- Color: ByLayer
- Layer: Aux
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension s...: ISO-25

Drafting | **Modeling** | << | **Top** | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, etc.

Hatch

Block

Modify

- Move, Rotate, Scale, Stretch, Trim, Fillet, etc.

Text

Dimension

Leader

Table

Parametric



Layers

Aux

Unsaved Layer State

Hide Layer List

Eye	Name
☐	0
☒	Aux
☐	Linhas finas
☐	Linhas grossas

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Aux

Linetype: ByLayer

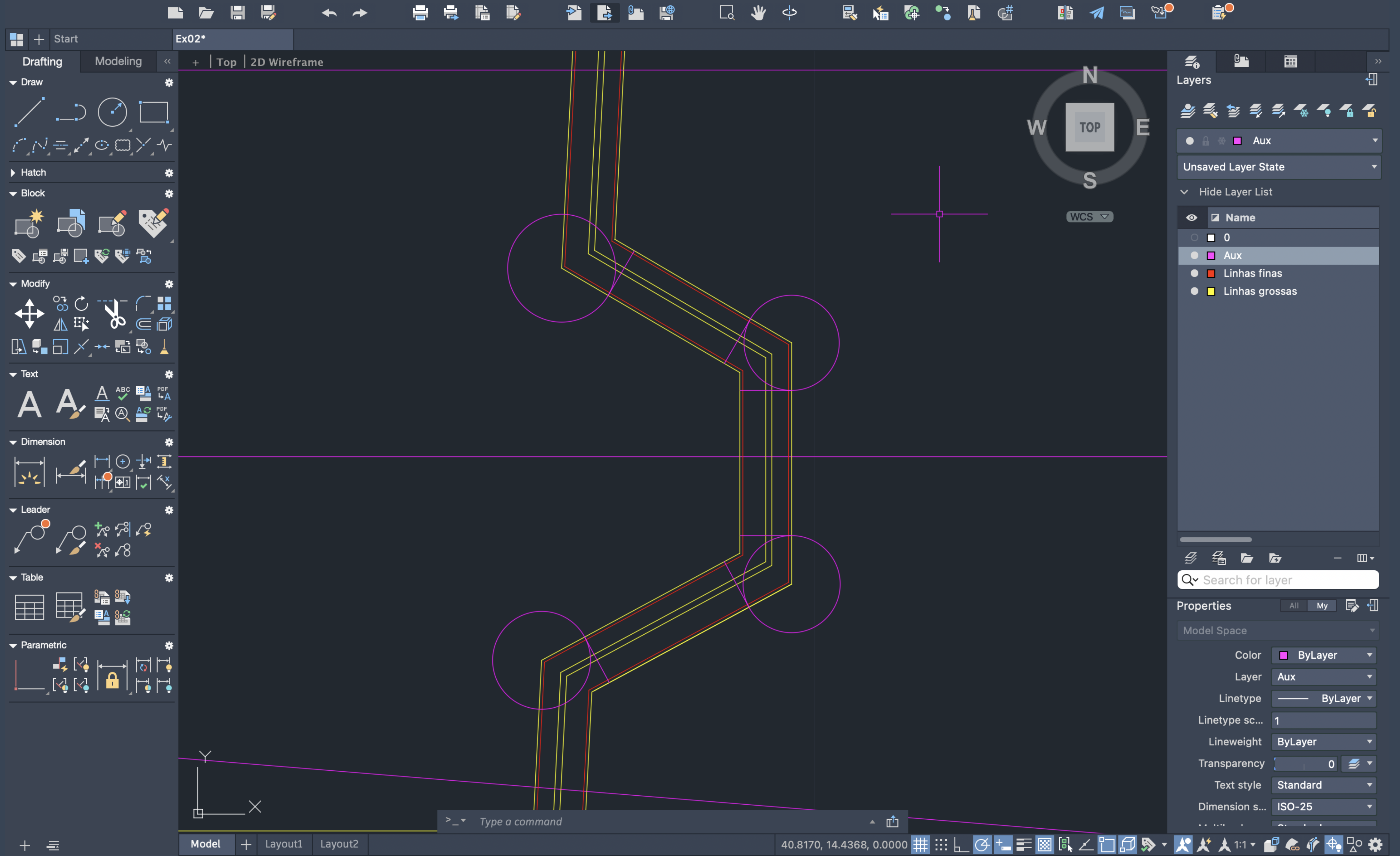
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25



Drafting | Modeling <<

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Region, Block, Wipeout, Image, Mtext, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Isolate, Freeze, Thaw, Lock, Hide, Isolate, Freeze, Thaw

Text

- Text, Mtext, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Linetype Scale, Text Lineweight, Text Transparency, Text Text Style, Text Dimension Style

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Layer, Dimension Linetype, Dimension Linetype Scale, Dimension Lineweight, Dimension Transparency, Dimension Text Style, Dimension Dimension Style

Leader

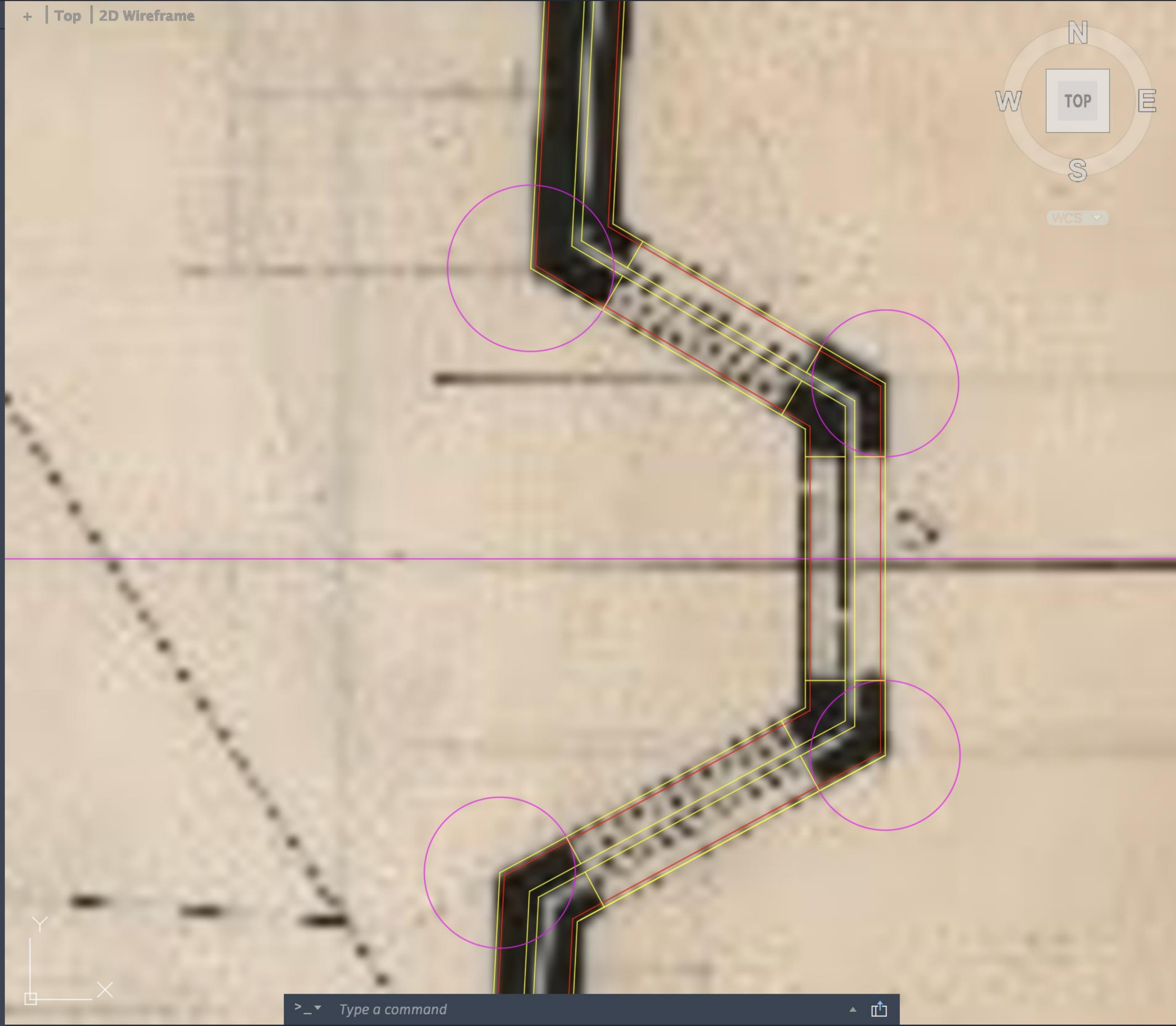
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Layer, Leader Linetype, Leader Linetype Scale, Leader Lineweight, Leader Transparency, Leader Text Style, Leader Dimension Style

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Layer, Table Linetype, Table Linetype Scale, Table Lineweight, Table Transparency, Table Text Style, Table Dimension Style

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Linetype Scale, Parametric Lineweight, Parametric Transparency, Parametric Text Style, Parametric Dimension Style



Layers

- Aux
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Inv
- Linhas finas
- Linhas grossas

Properties

Model Space

- Color: ByLayer
- Layer: Aux
- Linetype: ByLayer
- Linetype scale: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension style: ISO-25

Start

Ex02*

Drafting

Modeling

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Top

2D Wireframe

Layers

Unsaved Layer State

Hide Layer List

Name

0

Aux

Inv

Linhas finas

Linhas grossas

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Aux

Linetype

ByLayer

Linetype scale

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension style

ISO-25

Model

Layout1

Layout2

40.9607, 13.1647, 0.0000

1:1



>_ Type a command

Drafting | Modeling <<

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, Break, Breakpoint, Breakline, Breakup (Explode), Dimbreak

Text

- Text, Text Style, Text Align, Text Justify, Text Orientation, Text Color, Text Layer, Text Linetype, Text Linetype Scale, Text Linetype Weight, Text Transparency, Text Text Style, Text Dimension Style

Dimension

- Dimension, Dimension Style, Dimension Line, Dimension Text, Dimension Alignment, Dimension Angle, Dimension Units, Dimension Precision, Dimension Format, Dimension Color, Dimension Layer, Dimension Linetype, Dimension Linetype Scale, Dimension Linetype Weight, Dimension Transparency, Dimension Text Style, Dimension Dimension Style

Leader

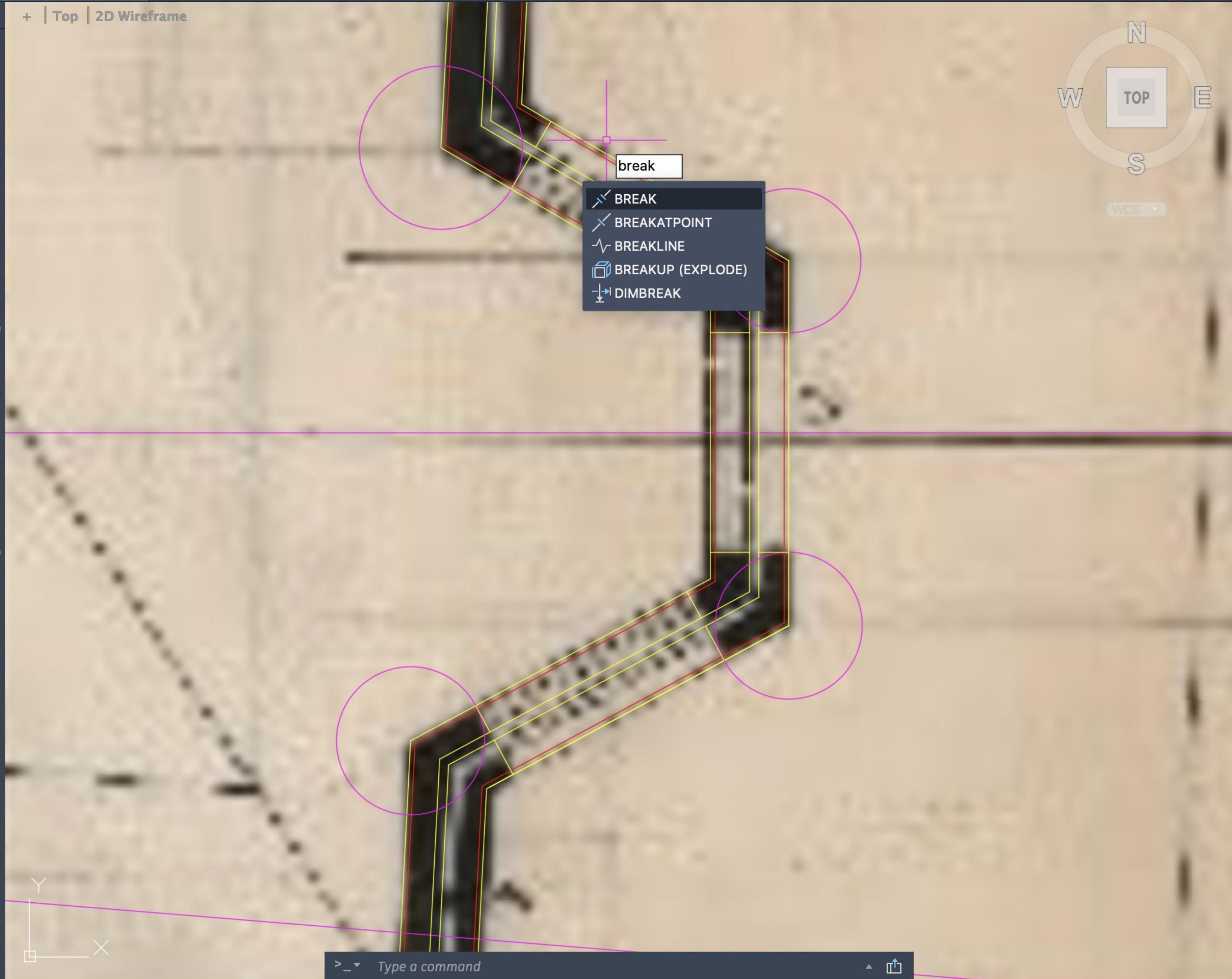
- Leader, Leader Style, Leader Line, Leader Text, Leader Alignment, Leader Angle, Leader Units, Leader Precision, Leader Format, Leader Color, Leader Layer, Leader Linetype, Leader Linetype Scale, Leader Linetype Weight, Leader Transparency, Leader Text Style, Leader Dimension Style

Table

- Table, Table Style, Table Layout, Table Content, Table Color, Table Layer, Table Linetype, Table Linetype Scale, Table Linetype Weight, Table Transparency, Table Text Style, Table Dimension Style

Parametric

- Parametric, Parametric Style, Parametric Line, Parametric Text, Parametric Alignment, Parametric Angle, Parametric Units, Parametric Precision, Parametric Format, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Linetype Scale, Parametric Linetype Weight, Parametric Transparency, Parametric Text Style, Parametric Dimension Style



Layers

- Inv
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Inv
- Linhas finas
- Linhas grossas

Properties

Model Space

- Color: ByLayer
- Layer: Inv
- Linetype: ByLayer
- Linetype scale: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension st...: ISO-25

Drafting | **Modeling** | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Align, Match Properties, Properties, Undo, Redo, Copy, Paste, Delete, Erase, Hide, Isolate, Lock, Freeze, Thaw, Defreeze, Unfreeze, Lock, Freeze, Thaw, Defreeze, Unfreeze

Text

- Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Linetype Scale, Text Lineweight, Text Transparency, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Linetype Scale, Text Lineweight, Text Transparency

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Layer, Dimension Linetype, Dimension Linetype Scale, Dimension Lineweight, Dimension Transparency

Leader

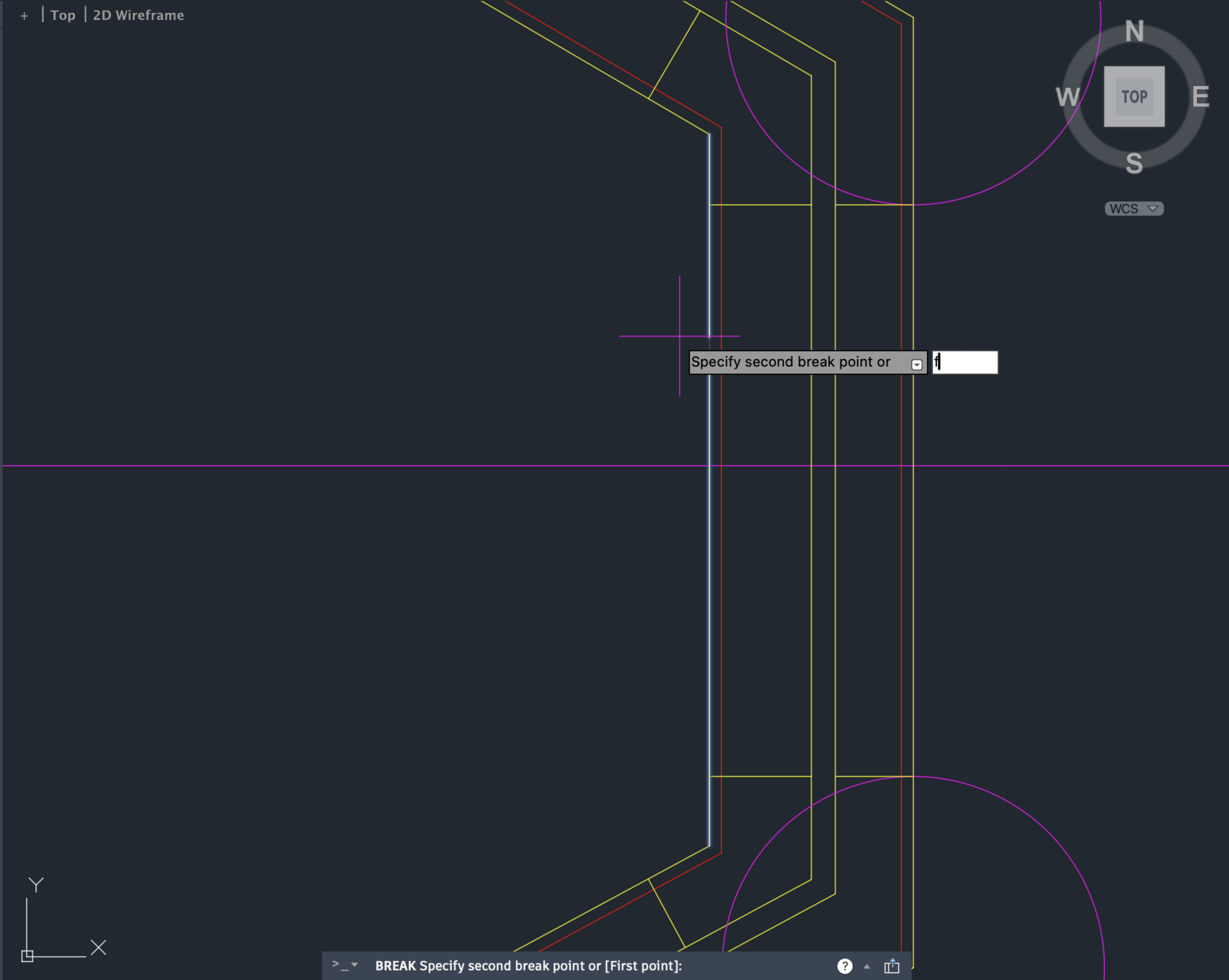
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Layer, Leader Linetype, Leader Linetype Scale, Leader Lineweight, Leader Transparency

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Layer, Table Linetype, Table Linetype Scale, Table Lineweight, Table Transparency

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Linetype Scale, Parametric Lineweight, Parametric Transparency



Layers

Unsaved Layer State

Hide Layer List

Name
0
Aux
Inv
Linhas finas
Linhas grossas

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Inv

Linetype: ByLayer

Linetype scale: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension st...: ISO-25



Drafting | Modeling << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

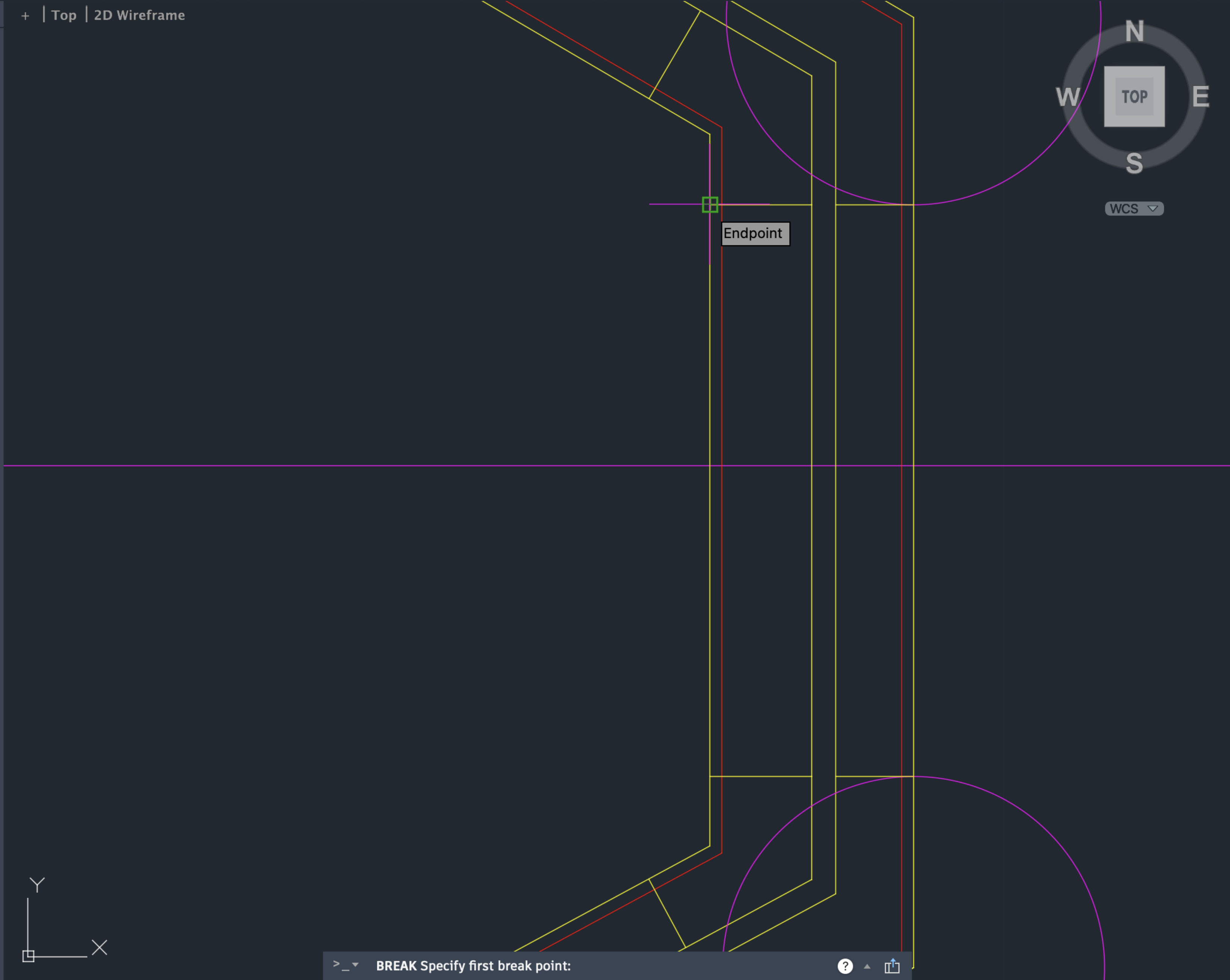
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Inv

Unsaved Layer State

Hide Layer List

Name
0
Aux
Inv
Linhas finas
Linhas grossas

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Inv

Linetype: ByLayer

Linetype scale: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension st...: ISO-25

Drafting | Modeling << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

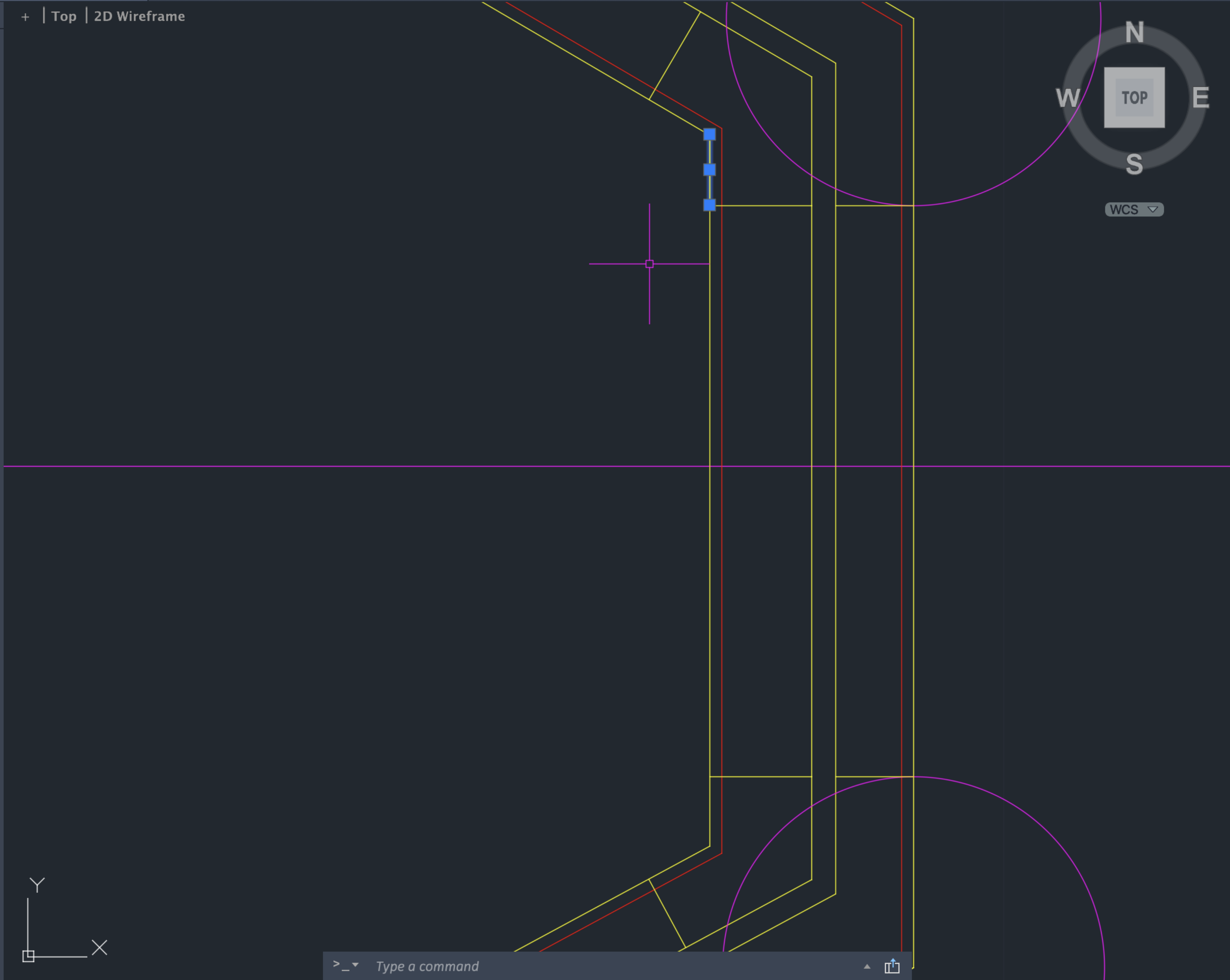
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Layers list: Linhas grossas, Unsaved Layer State, Hide Layer List, Name, 0, Aux, Inv, Linhas finas, Linhas grossas.

Properties

Line

General

Color: ByLayer

Layer: Linhas grossas

Linetype: ByLa...

Linetype scale: 1

Plot style: ByColor

Lineweight: ByLayer

Transparency: 0



Start | Ex02*

Drafting | Modeling << | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

Modify

- Move, Rotate, Scale, Mirror, Offset, Trim, Extend, Fillet, Chamfer, Break, Split, Join, Weld, Match Properties, Properties

Text

- Text, Text Style, Text to Layer, Text to Block, Text to Selection, Text to Layer, Text to Block, Text to Selection

Dimension

- Dimension, Dimension Style, Dimension to Layer, Dimension to Block, Dimension to Selection

Leader

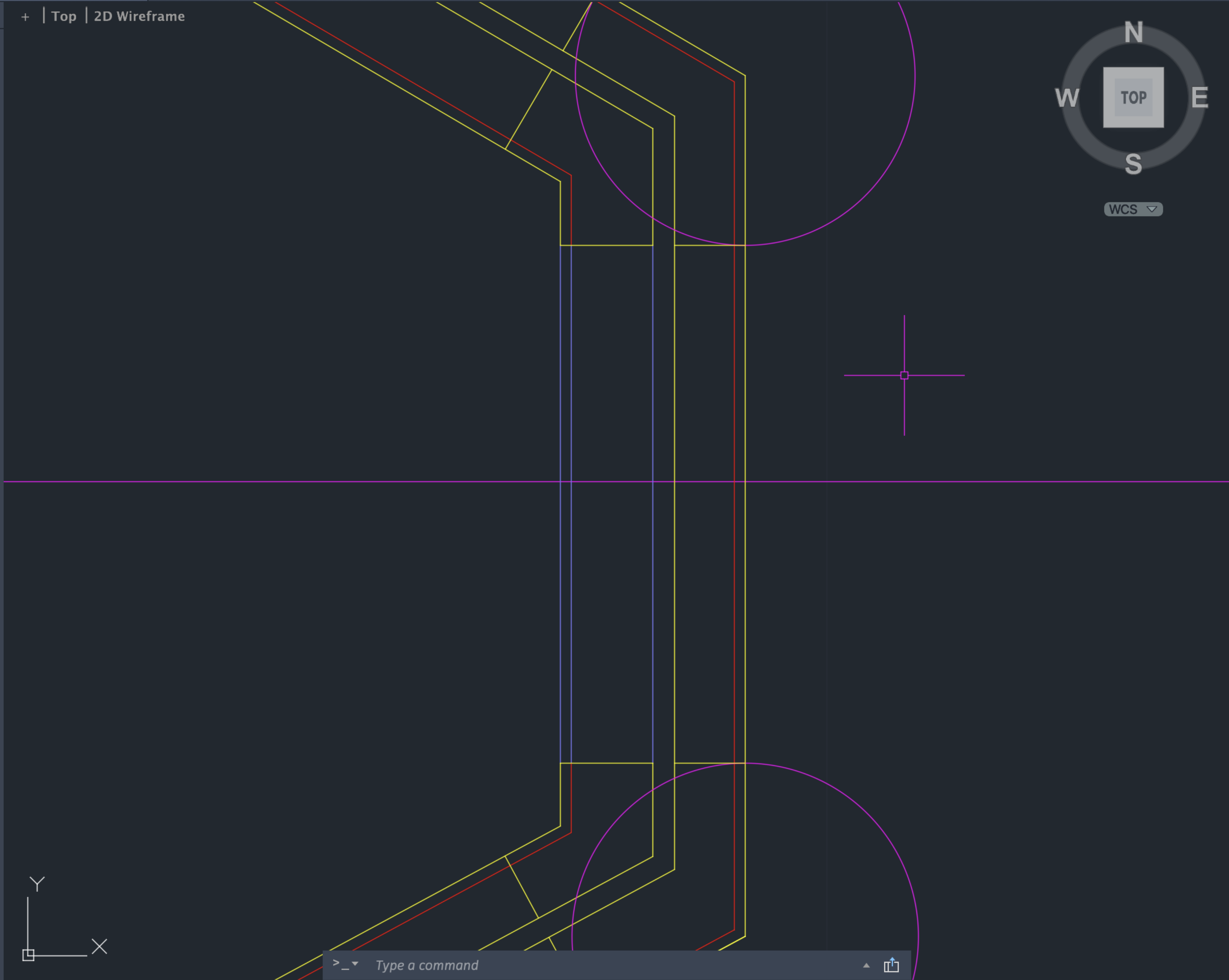
- Leader, Leader Style, Leader to Layer, Leader to Block, Leader to Selection

Table

- Table, Table Style, Table to Layer, Table to Block, Table to Selection

Parametric

- Parametric, Parametric Style, Parametric to Layer, Parametric to Block, Parametric to Selection



Layers

Inv

Unsaved Layer State

Hide Layer List

Name
0
Aux
Inv
Linhas finas
Linhas grossas

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Inv

Linetype: ByLayer

Linetype scale: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension st...: ISO-25

The image shows the AutoCAD 2024 interface in a dark theme. The main workspace displays a 2D wireframe drawing of a mechanical part, likely a bracket or a similar component, with various lines and arcs. The drawing is in the 'Top' view, as indicated by the 'TOP' label in the top right corner of the drawing area. The left sidebar contains the 'Drafting' and 'Modeling' tabs, with 'Drafting' selected. The right sidebar shows the 'Layers' panel with a list of layers including '0', 'Aux', 'Inv', 'Linhas finas', and 'Linhas grossas'. The 'Properties' panel is also visible, showing settings for the selected object. The bottom status bar displays the command line with the text 'Type a command'.

Drafting | **Modeling** | << | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, Table, Dimension, Leader, Table, Parametric

Modify

- Move, Rotate, Scale, Mirror, Offset, Trim, Extend, Fillet, Chamfer, Round, Fillet, Chamfer, Round, Fillet, Chamfer, Round

Text

- Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Linetype Scale, Text Lineweight, Text Transparency, Text Text Style, Text Dimension Style

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Layer, Dimension Linetype, Dimension Linetype Scale, Dimension Lineweight, Dimension Transparency, Dimension Text Style, Dimension Dimension Style

Leader

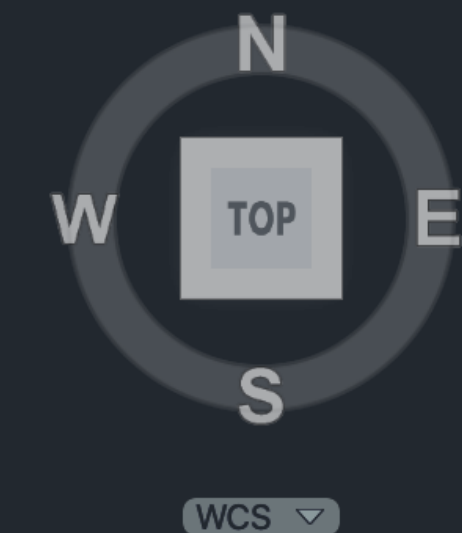
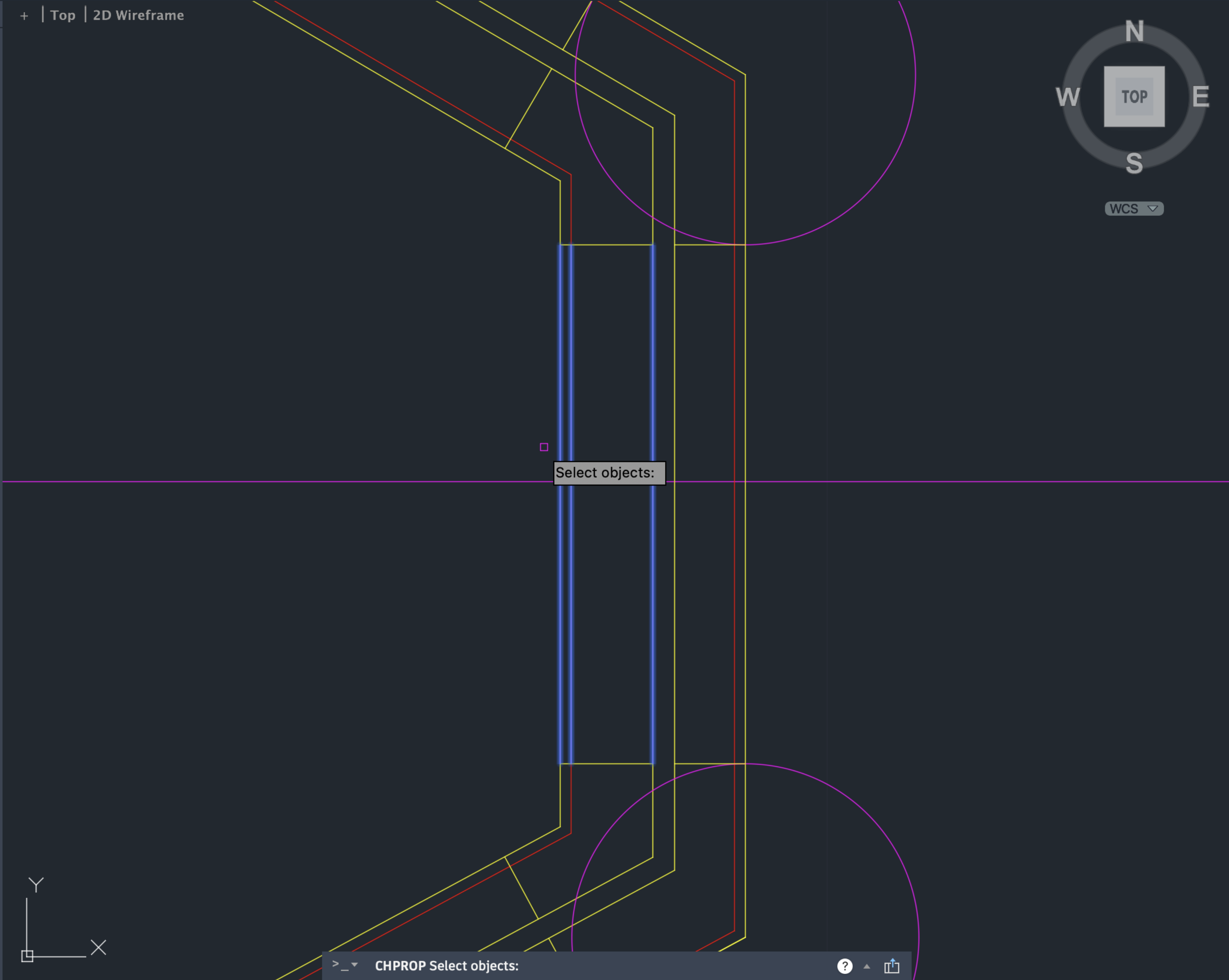
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Layer, Leader Linetype, Leader Linetype Scale, Leader Lineweight, Leader Transparency, Leader Text Style, Leader Dimension Style

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Layer, Table Linetype, Table Linetype Scale, Table Lineweight, Table Transparency, Table Text Style, Table Dimension Style

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Linetype Scale, Parametric Lineweight, Parametric Transparency, Parametric Text Style, Parametric Dimension Style



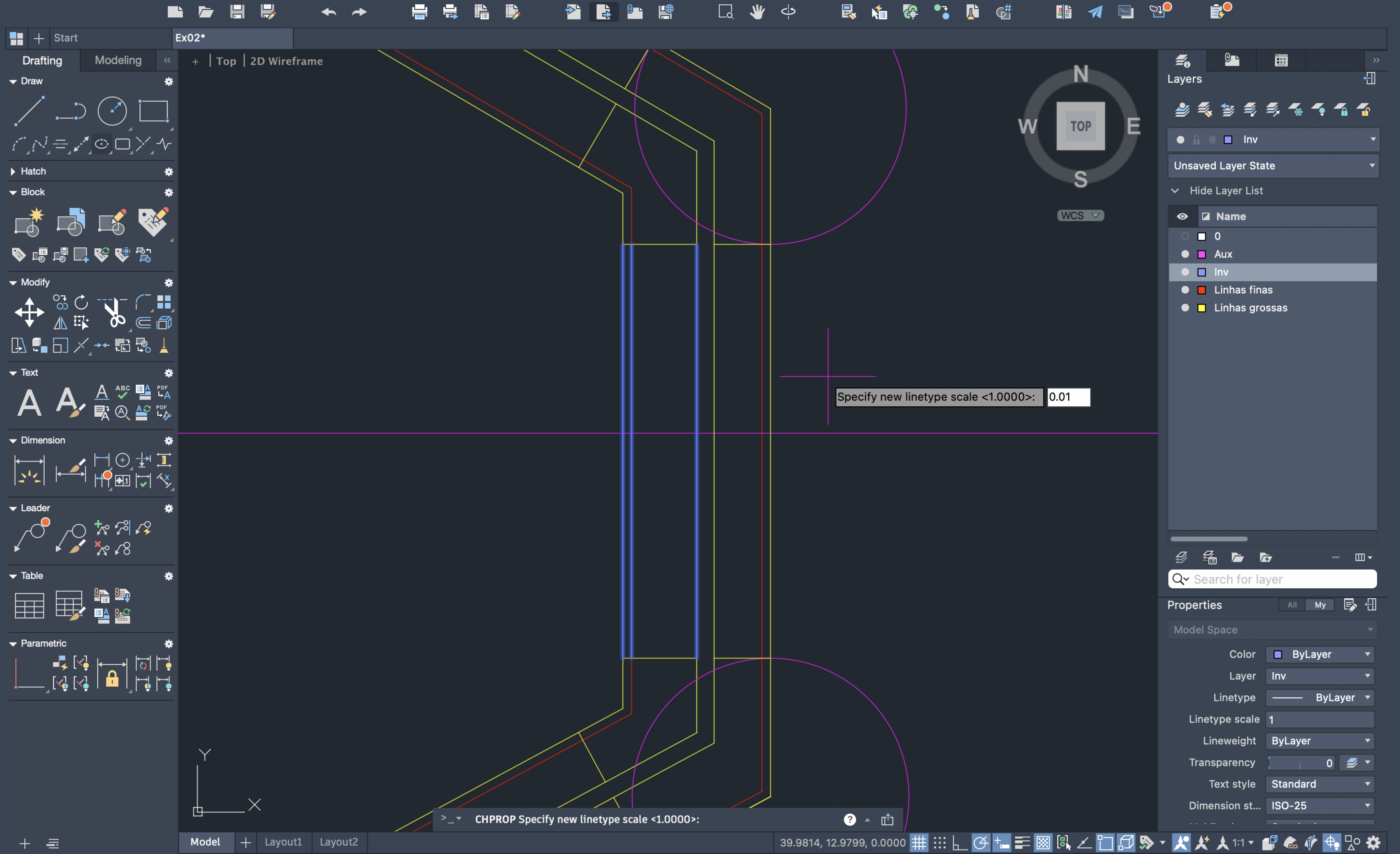
Layers

Layers list: 0, Aux, Inv, Linhas finas, Linhas grossas

Properties

Model Space

- Color: ByLayer
- Layer: Inv
- Linetype: ByLayer
- Linetype scale: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension st...: ISO-25



Drafting | Modeling | << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

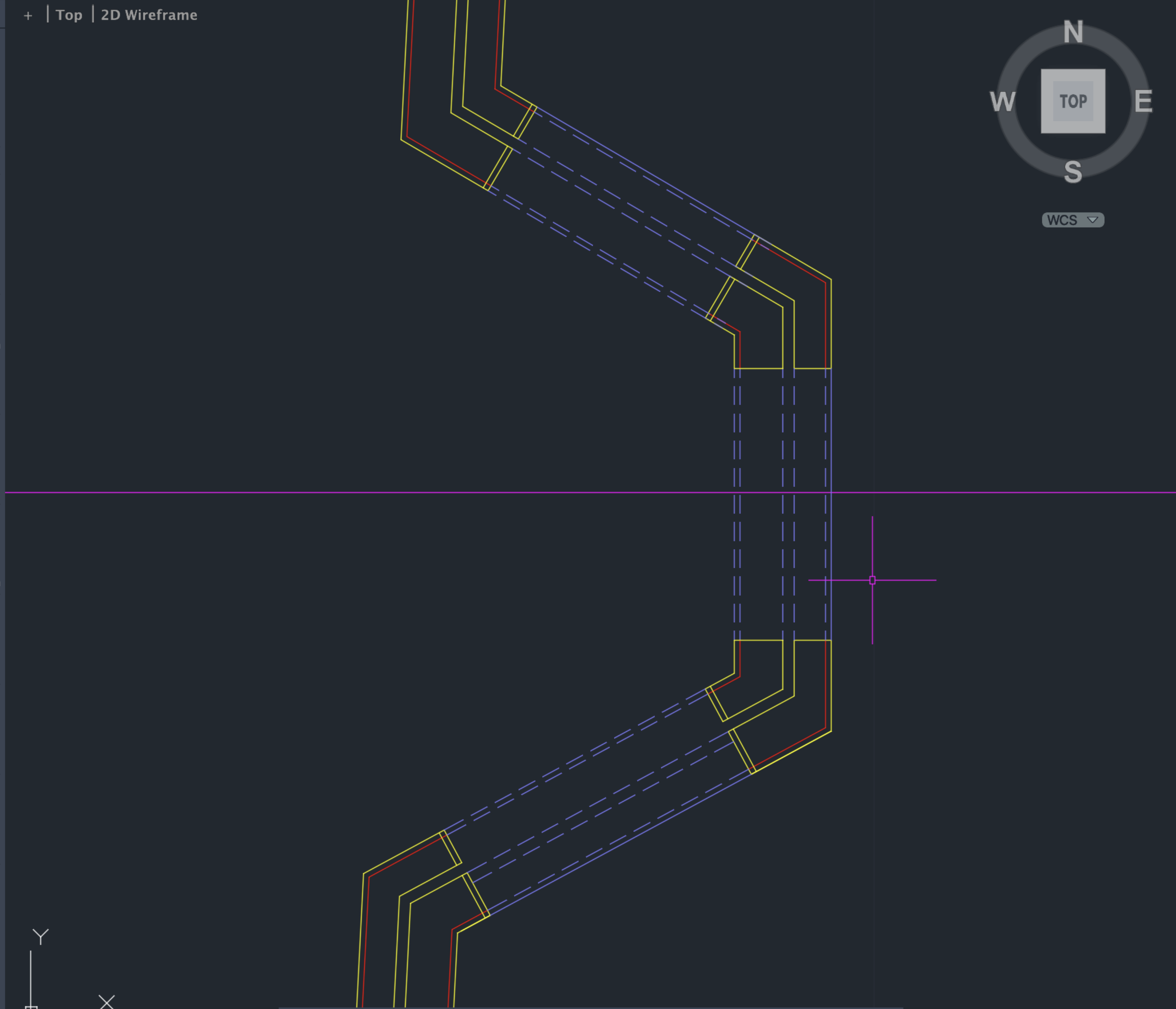
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Inv

Unsaved Layer State

Hide Layer List

Eye	Name	Color	Linetype	Display
☐	0	White	Solid	De...
☐	Aux	Magenta	Solid	De...
☒	Inv	Blue	Dashed	De...
☐	Linhas finas	Red	Solid	De...
☐	Linhas grossas	Yellow	Solid	De...

Search for layer

Drafting Modeling << + | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

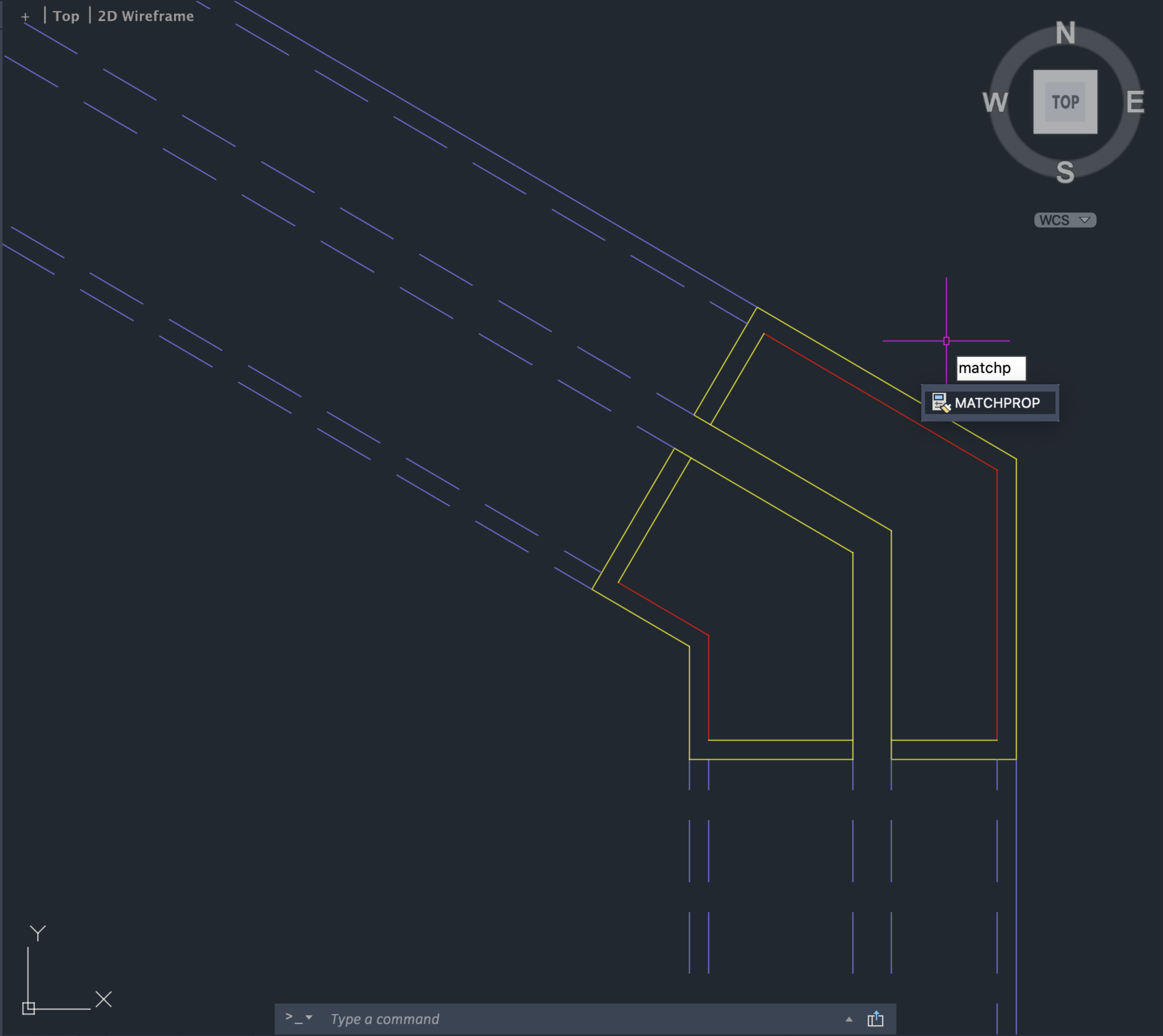
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Inv

Unsaved Layer State

▼ Hide Layer List

		Name				
☐		0	De...	---	---	---
☐		Aux	De...	---	---	---
☒		Inv	De...	---	---	---
☐		Linhas finas	De...	---	---	---
☐		Linhas grossas	De...	---	---	---

Search for layer

Drafting | Modeling | << | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Polyline, Hatch, Region, Solid, Surface, Mesh, Volume, Block, Image, External Reference, Xref, Plot, Print, Export, Import, Undo, Redo, Copy, Paste, Delete, Select, Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Layer, Style, Color, Linetype, Plot Style, View, Viewport, Layout, Paper, Units, Settings, Help, About

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Layer, Style, Color, Linetype, Plot Style, View, Viewport, Layout, Paper, Units, Settings, Help, About

Text

- Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Linetype, Text Plot Style, Text View, Text Viewport, Text Layout, Text Paper, Text Units, Text Settings, Text Help, Text About

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Linetype, Dimension Plot Style, Dimension View, Dimension Viewport, Dimension Layout, Dimension Paper, Dimension Units, Dimension Settings, Dimension Help, Dimension About

Leader

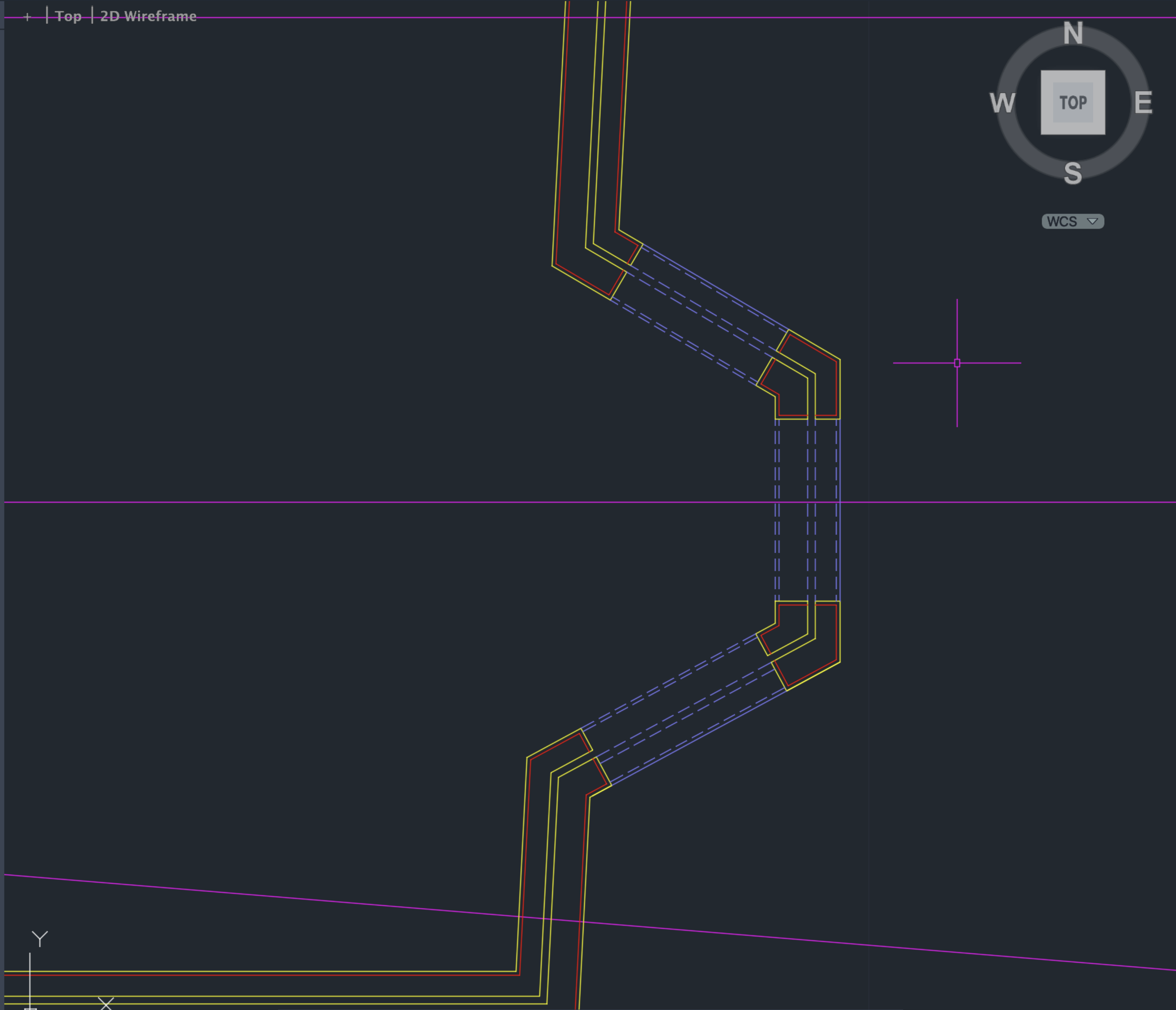
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Linetype, Leader Plot Style, Leader View, Leader Viewport, Leader Layout, Leader Paper, Leader Units, Leader Settings, Leader Help, Leader About

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Linetype, Table Plot Style, Table View, Table Viewport, Table Layout, Table Paper, Table Units, Table Settings, Table Help, Table About

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Linetype, Parametric Plot Style, Parametric View, Parametric Viewport, Parametric Layout, Parametric Paper, Parametric Units, Parametric Settings, Parametric Help, Parametric About



Layers

Inv

Unsaved Layer State

Hide Layer List

Name	Color	Linetype	Plot Style	View	Viewport	Layout	Paper	Units	Settings	Help	About
0	White	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer
Aux	Purple	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer
Inv	Blue	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer
Linhas finas	Red	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer
Linhas grossas	Yellow	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer	Bylayer

Drafting | **Modeling** | << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

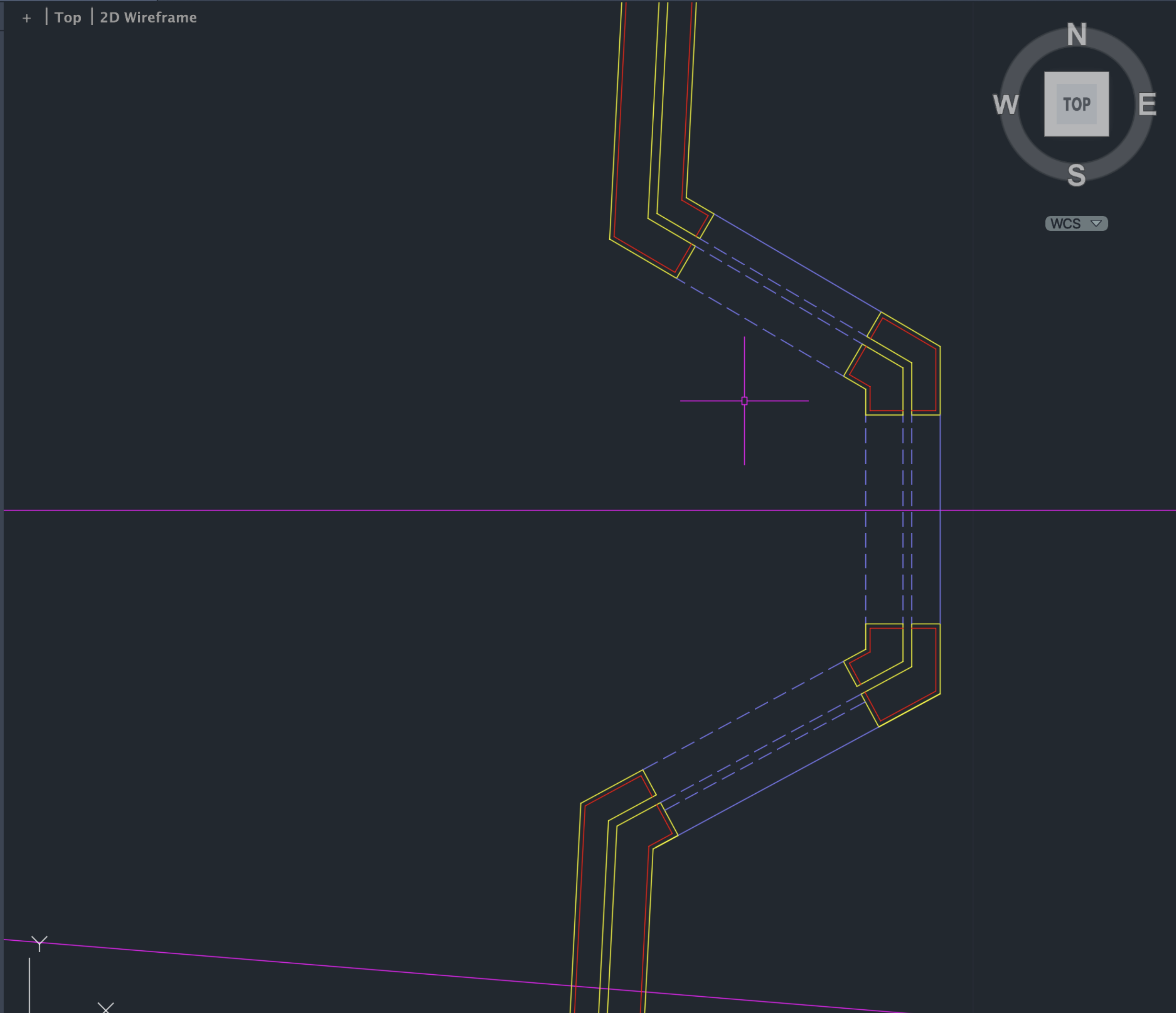
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Inv

Unsaved Layer State

▼ Hide Layer List

Eye	Name	Color	Linetype	De...
○	0	White	Solid	De...
●	Aux	Purple	Solid	De...
●	Inv	Blue	Solid	De...
●	Linhas finas	Red	Solid	De...
●	Linhas grossas	Yellow	Solid	De...

▼ Draw

▼ Hatch

▼ Block

▼ Modify

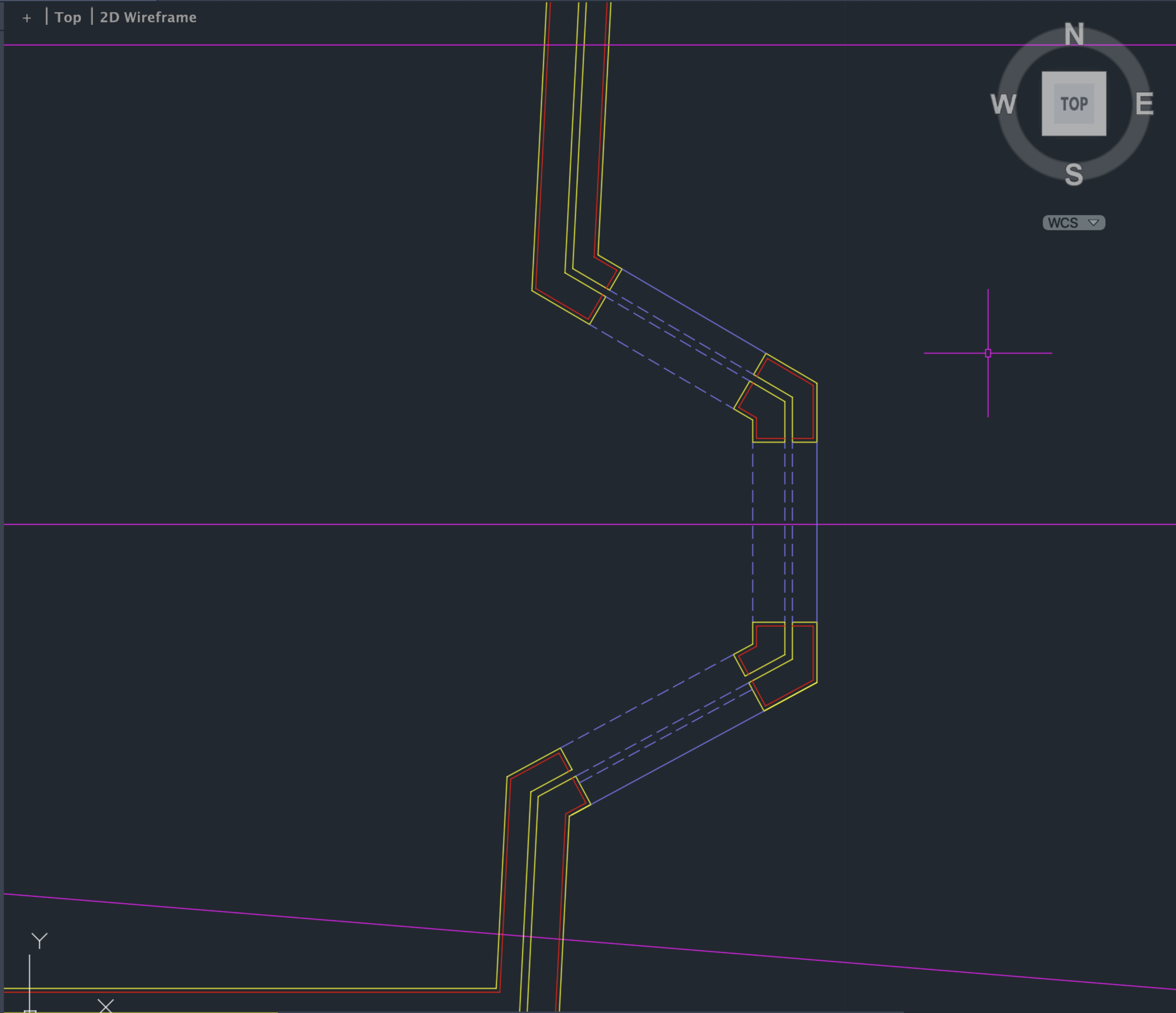
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● Inv

Unsaved Layer State

▼ Hide Layer List

Eye	Name	Color	Linetype	De...
●	0	White	Solid	De...
●	Aux	Magenta	Solid	De...
●	Inv	Blue	Solid	De...
●	Linhas finas	Red	Solid	De...
●	Linhas grossas	Yellow	Solid	De...

Search for layer

Start

Ex02*

DESENH...FINAIS01*

panels_fl...s_plans*

2425_MIARQ_INT_REAB_...ETOS_PAVIMENTOS_P0*

Drafting

Modeling

<<

+ | Top | 2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Layers

Unsaved Layer State

Hide Layer List

Properties

WCS

TOP

N

S

E

W

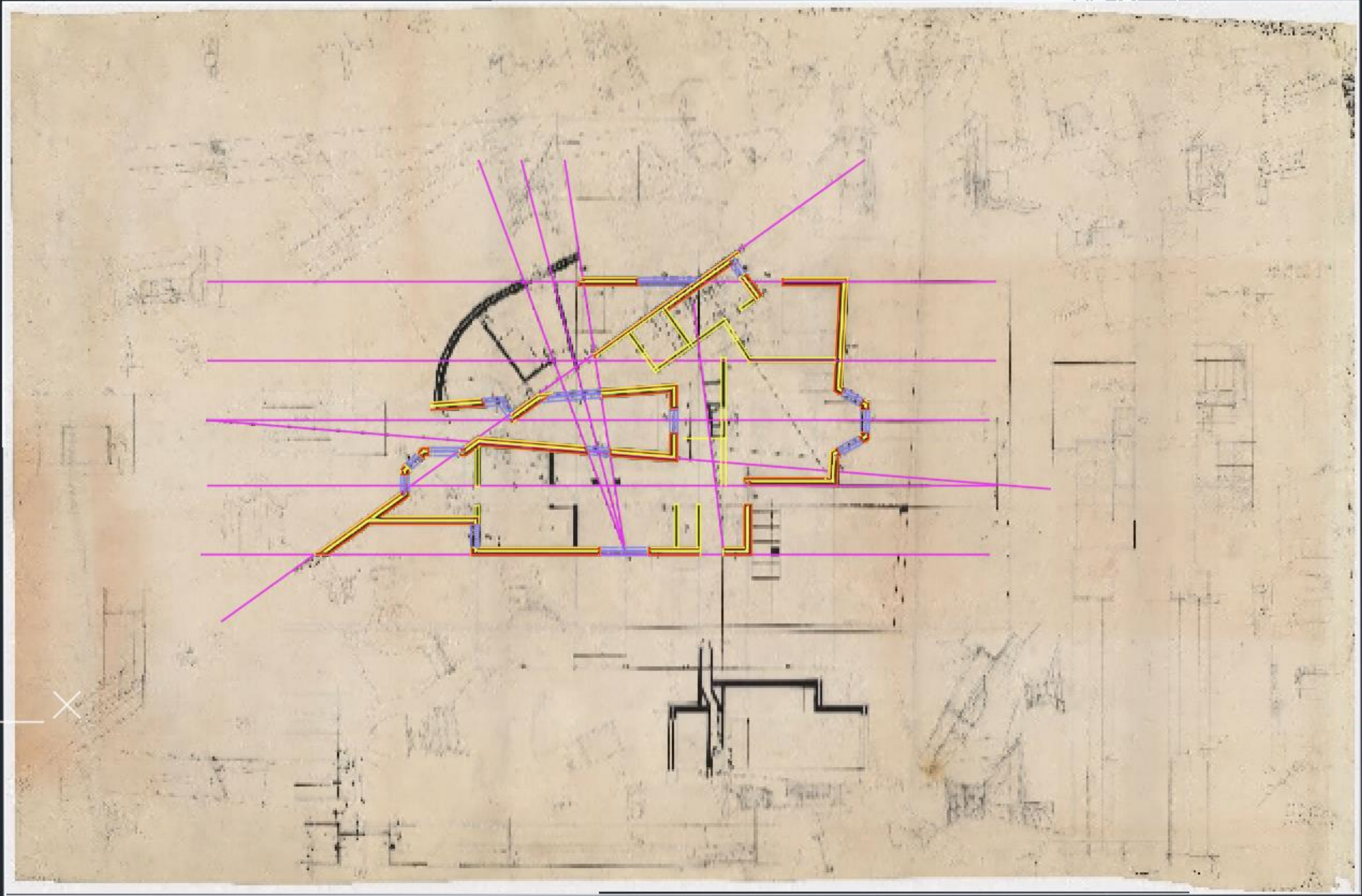
67.7710, 30.9003, 0.0000

Model

Layout1

Layout2

Para mudar a direção do eixo XY, definimos um UCS novo



Drafting | Modeling | << | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block, Image, Mtext, Text, Dimension, Leader, Table, Parametric

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, Offset, Layer, Color, Linetype, Lineweight, Transparency, Text style, Dimension style

Text

- Text, Mtext, Table, Parametric

Dimension

- Dimension, Dimension line, Dimension arc, Dimension break, Dimension extension line, Dimension value, Dimension text

Leader

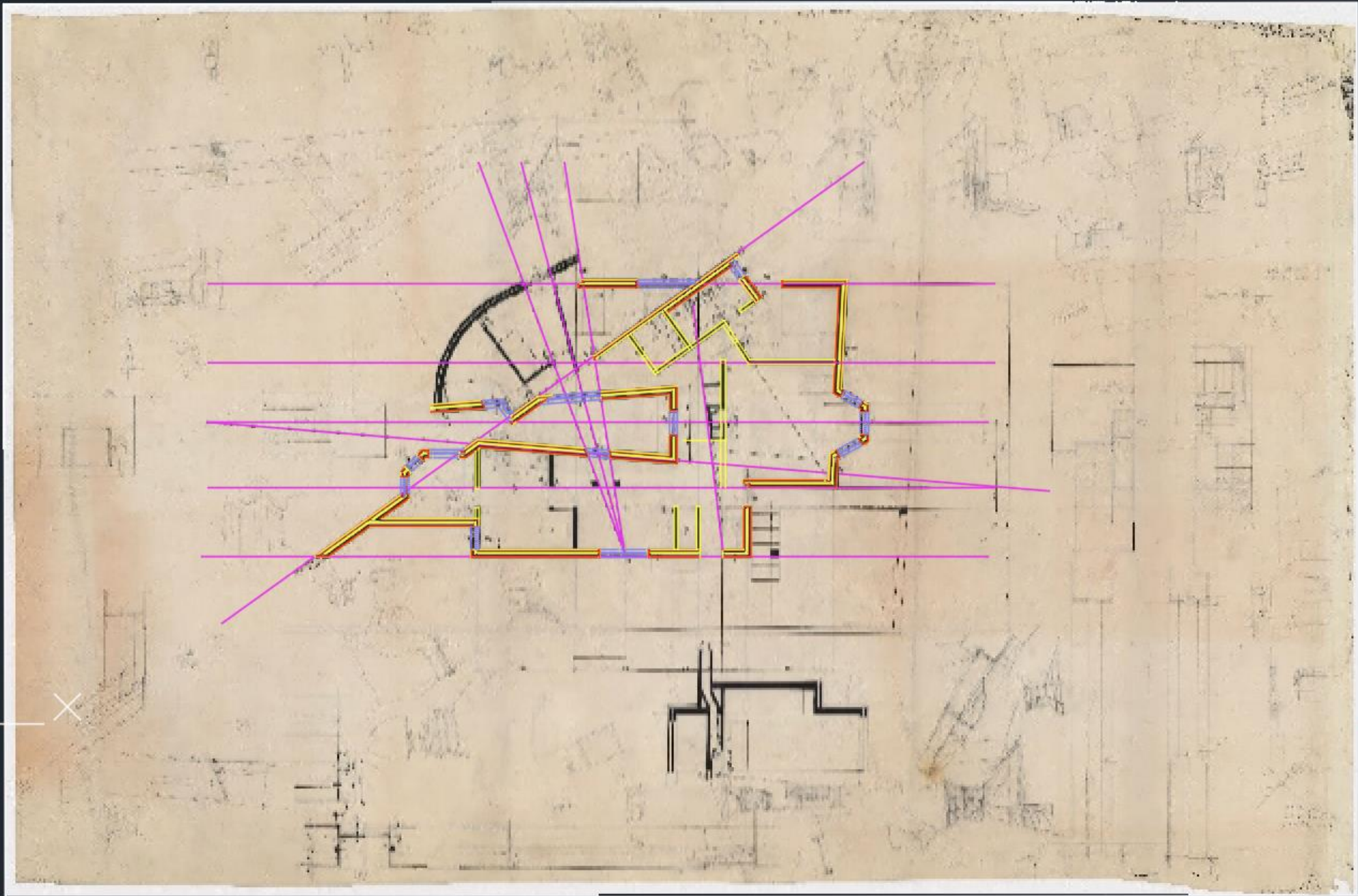
- Leader, Leader line, Leader arrow, Leader text

Table

- Table, Table border, Table text, Table style

Parametric

- Parametric, Parametric constraint, Parametric dimension, Parametric table, Parametric text



WCS

✓ WCS

New UCS

Layers

Linhas grossas

Unsaved Layer State

Hide Layer List

Name

- 0
- Aux
- Inv
- Linhas finas
- Linhas grossas

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Linhas grossas

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

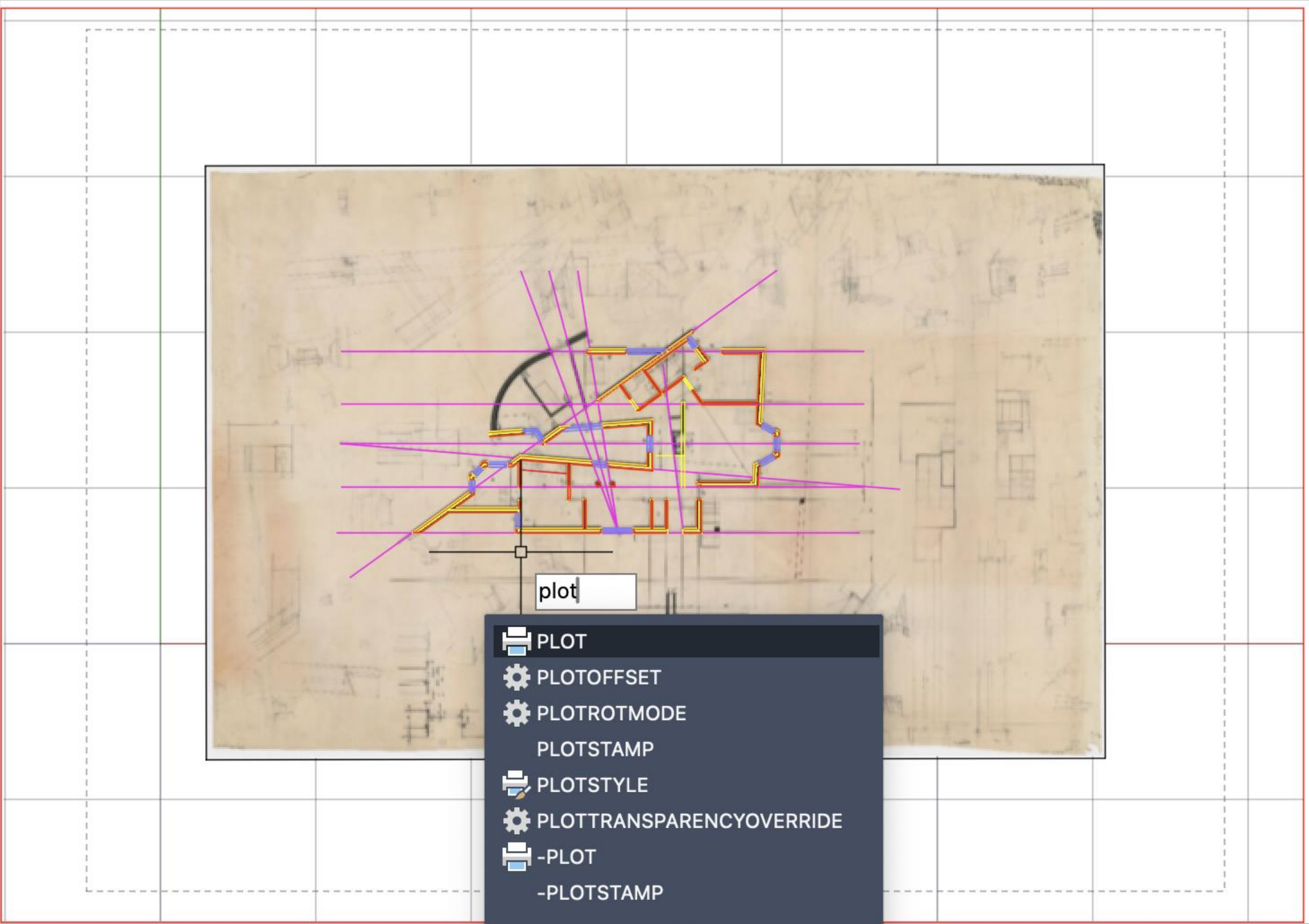
Transparency: 0

Text style: Standard

Dimension s...: ISO-25



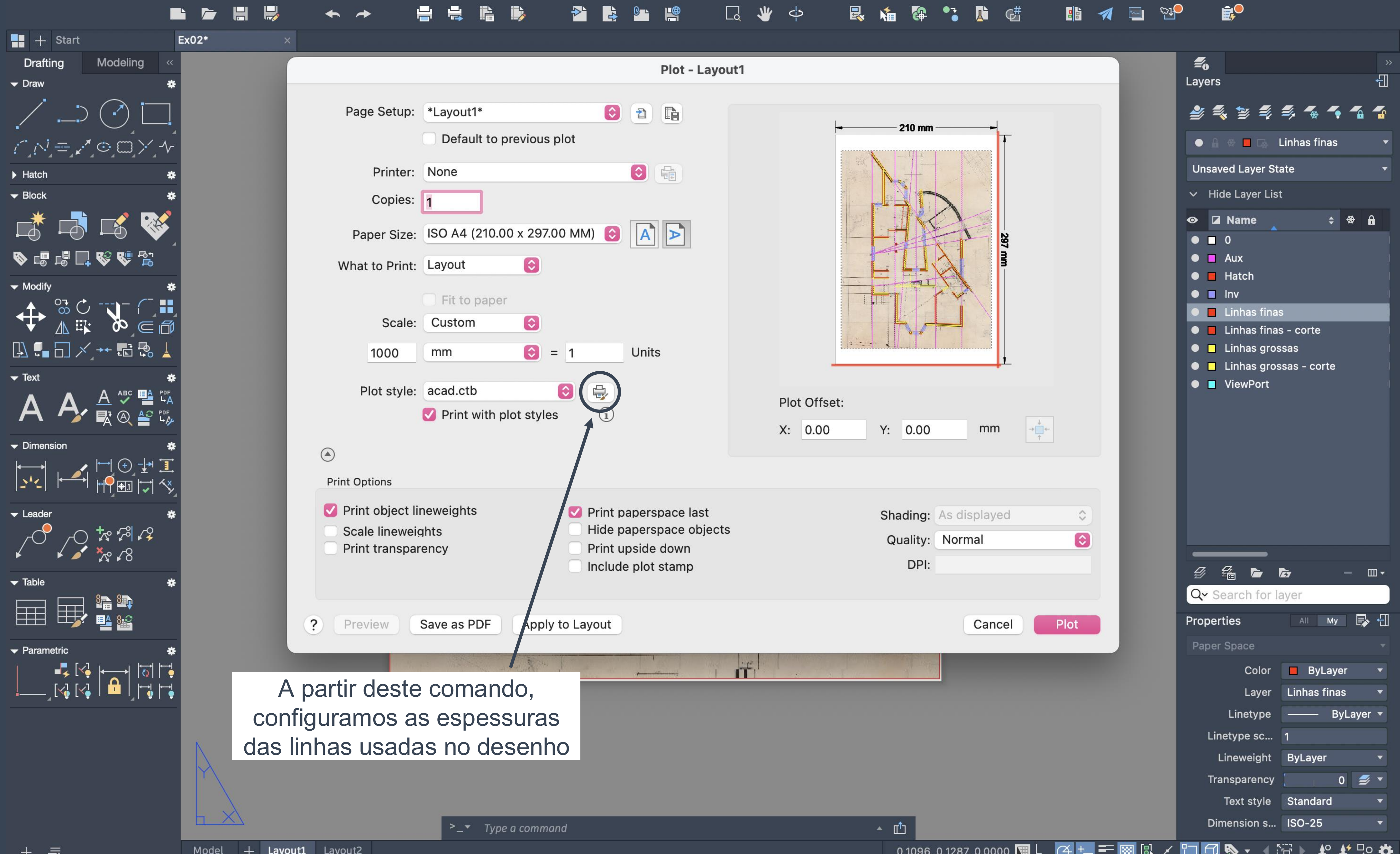
Para configurar a página do Layout que iremos imprimir, selecionamos o comando PLOT



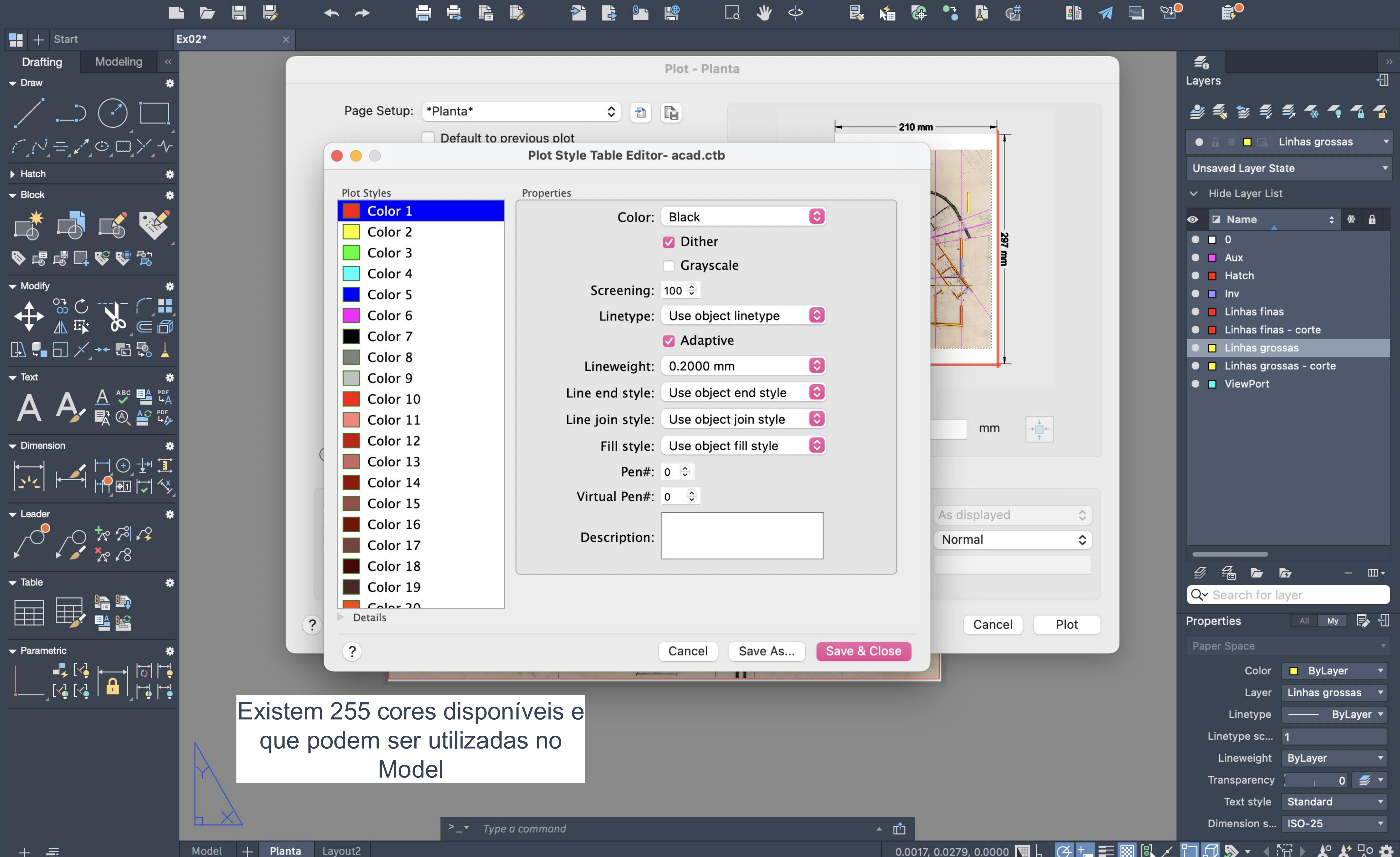
>_ Type a command

Model + Layout1 Layout2

98.0730, 76.8421, 0.0000

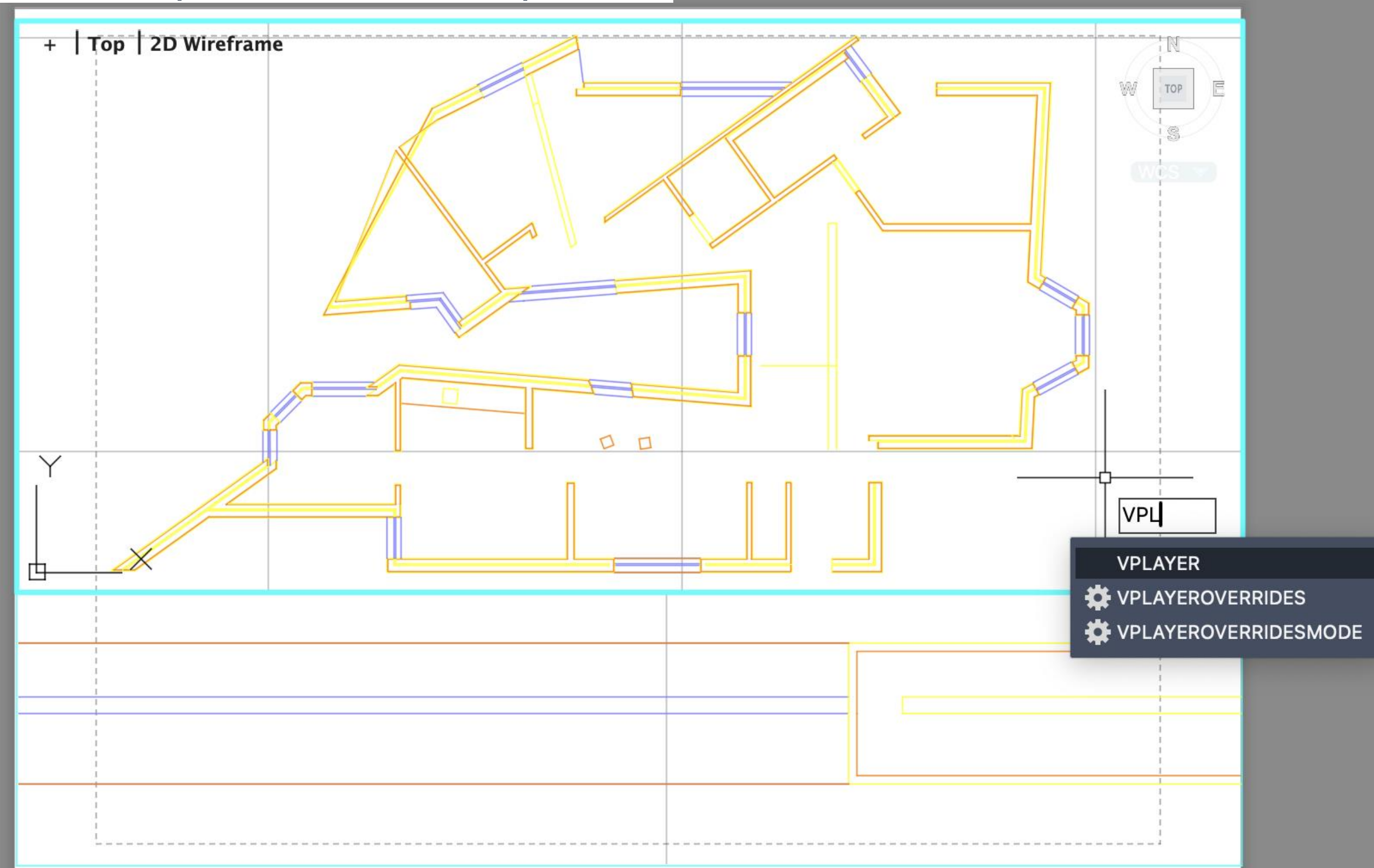


A partir deste comando, configuramos as espessuras das linhas usadas no desenho



Existem 255 cores disponíveis e
que podem ser utilizadas no
Model

Para desaparecer linhas específicas numa das Viewports basta usar o comando VPL (VPLAYER) ↵ (enter) Freeze ↵ (enter) *colocar o nome da layer correspondente* ↵ (enter) ↵ (enter), deste modo as linhas desaparecem apenas nesta Viewport



Layers

ViewPort

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch
Inv
Linhas finas
Linhas finas 10
Linhas grossas
Linhas grossas 1
ViewPort

Search for layer

Properties

Model Space

Color ByLayer

Layer ViewPort

Linetype

Lineweight

Transparency

Text style Standard

Dimension s... ISO-25

Ao congelarmos uma Layer, essa
mesma deixa de aparecer na
Viewport

Enter an option

- ?
- Color
- Ltype
- LWeight
- TRansparency
- Freeze**
- Thaw
- Reset
- reMoveoverrides
- Newfrz
- Vpvisdflt

Layers

Linhas grossas

Unsaved Layer State

Hide Layer List

- | Name |
|------------------------|
| 0 |
| Aux |
| Hatch |
| Inv |
| Linhas finas |
| Linhas finas - corte |
| Linhas grossas |
| Linhas grossas - corte |
| ViewPort |

Search for layer

Properties

- | | |
|----------------|----------------|
| Paper Space | |
| Color | ByLayer |
| Layer | Linhas grossas |
| Linetype | ByLayer |
| Linetype sc... | 1 |
| Lineweight | ByLayer |
| Transparency | 0 |
| Text style | Standard |
| Dimension s... | ISO-25 |

VPLAYER Enter an option [?/Color/Ltype/LWeight/TRansparency/Freeze/
Thaw/Reset/reMoveoverrides/Newfrz/Vpvisdflt]:

Drafting Modeling <<

▼ Draw

Hatch

▼ Block

▼ Modify

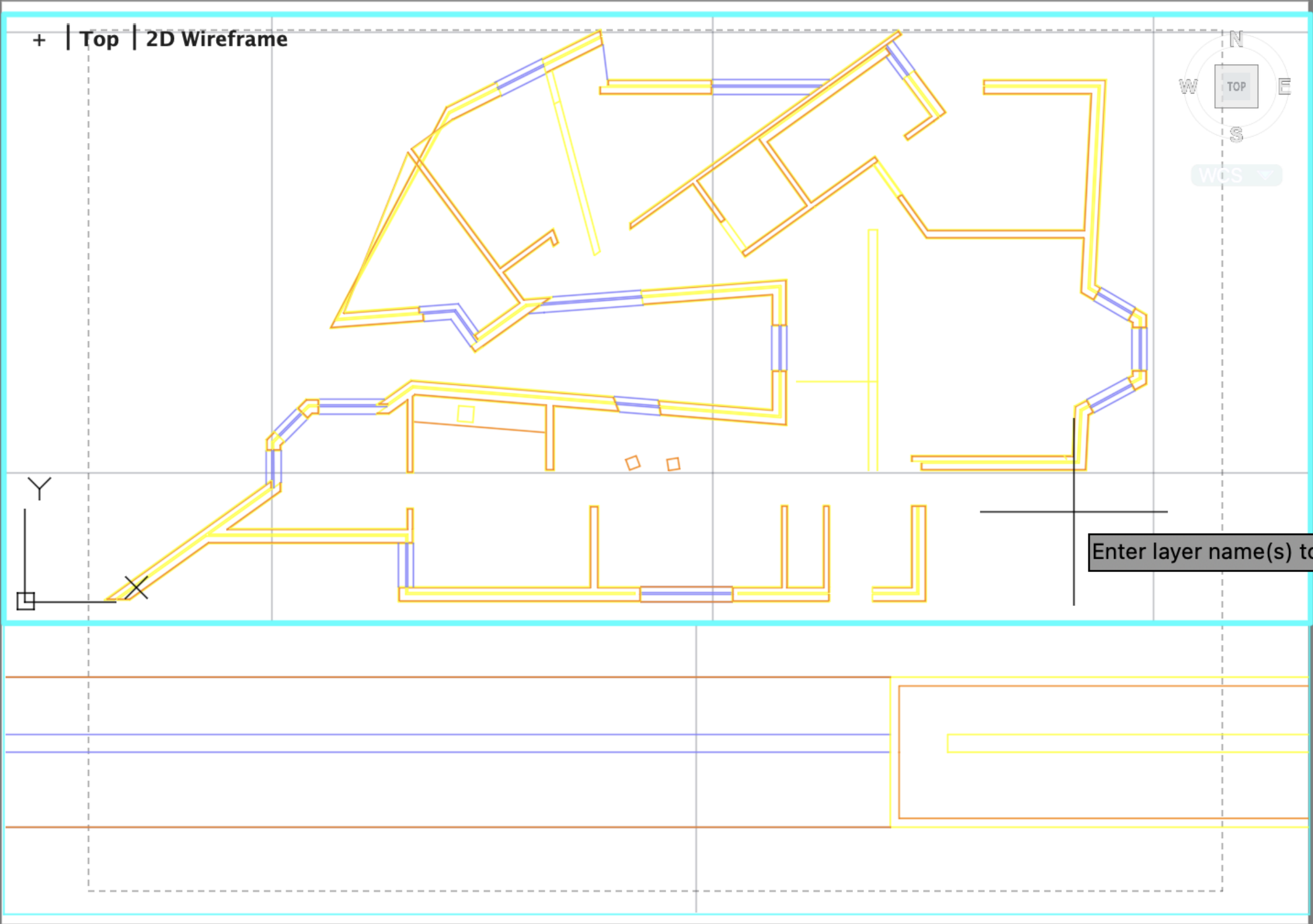
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Unsaved Layer State

Hide Layer List

Name

0

Aux

Hatch

Inv

Linhas finas

Linhas finas 10

Linhas grossas

Linhas grossas 1

Viewport

Search for layer

Properties

Model Space

Color ByLayer

Layer ViewPort

Linetype ByLayer

Linetype sc... 1

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... ISO-25

Drafting | **Modeling** | <<

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block, Image, Xref, etc.

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, etc.

Text

- Text, Text Style, Text Align, Text Justify, etc.

Dimension

- Dimension, Dimension Style, Dimension Align, etc.

Leader

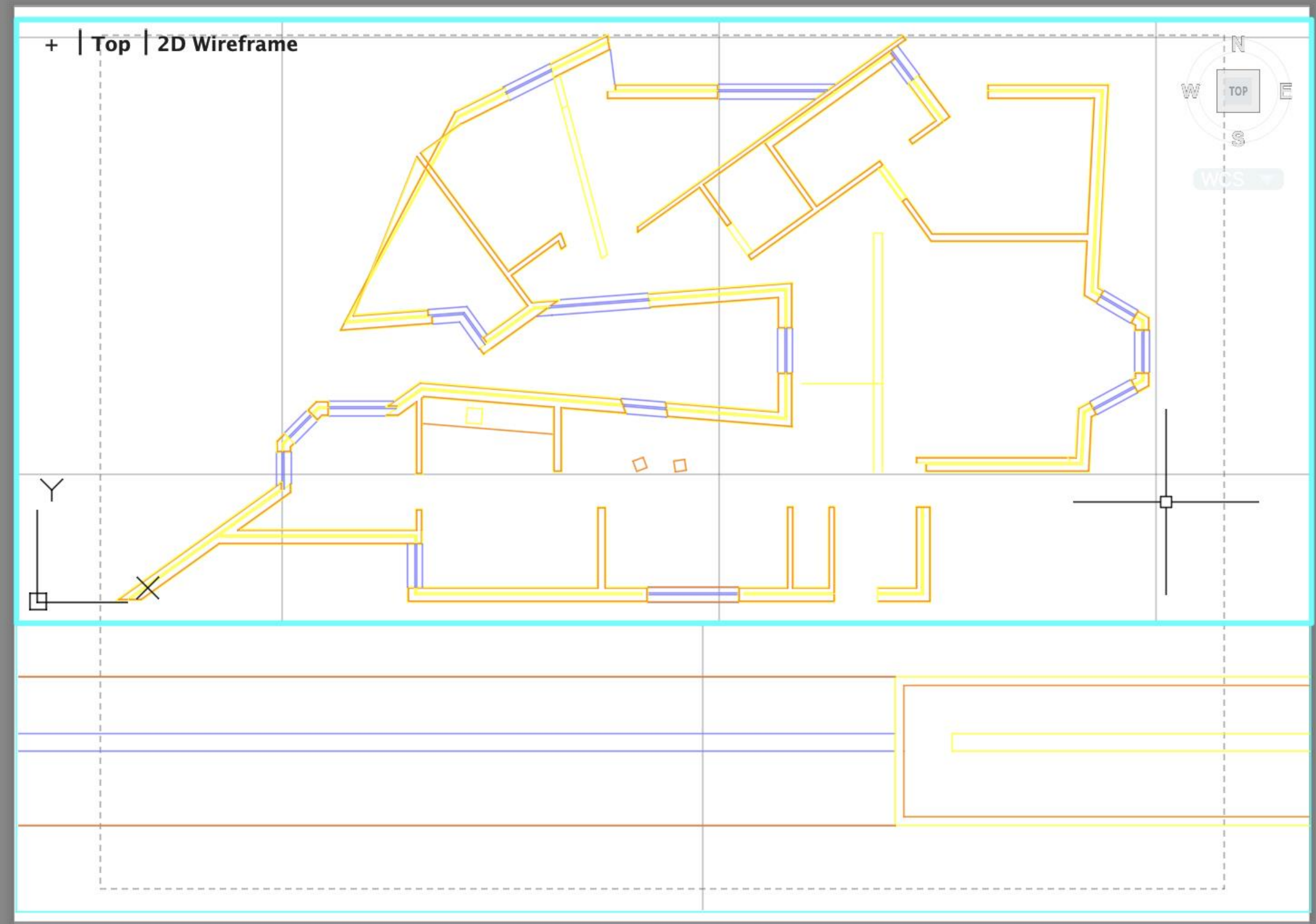
- Leader, Leader Style, Leader Align, etc.

Table

- Table, Table Style, Table Insert, etc.

Parametric

- Parametric, Parametric Style, Parametric Insert, etc.



Layers

ViewPort

Unsaved Layer State

Hide Layer List

Name

- 0
- Aux
- Hatch
- Inv
- Linhas finas
- Linhas finas 10
- Linhas grossas
- Linhas grossas 1
- ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: ViewPort

Linetype: ByLayer

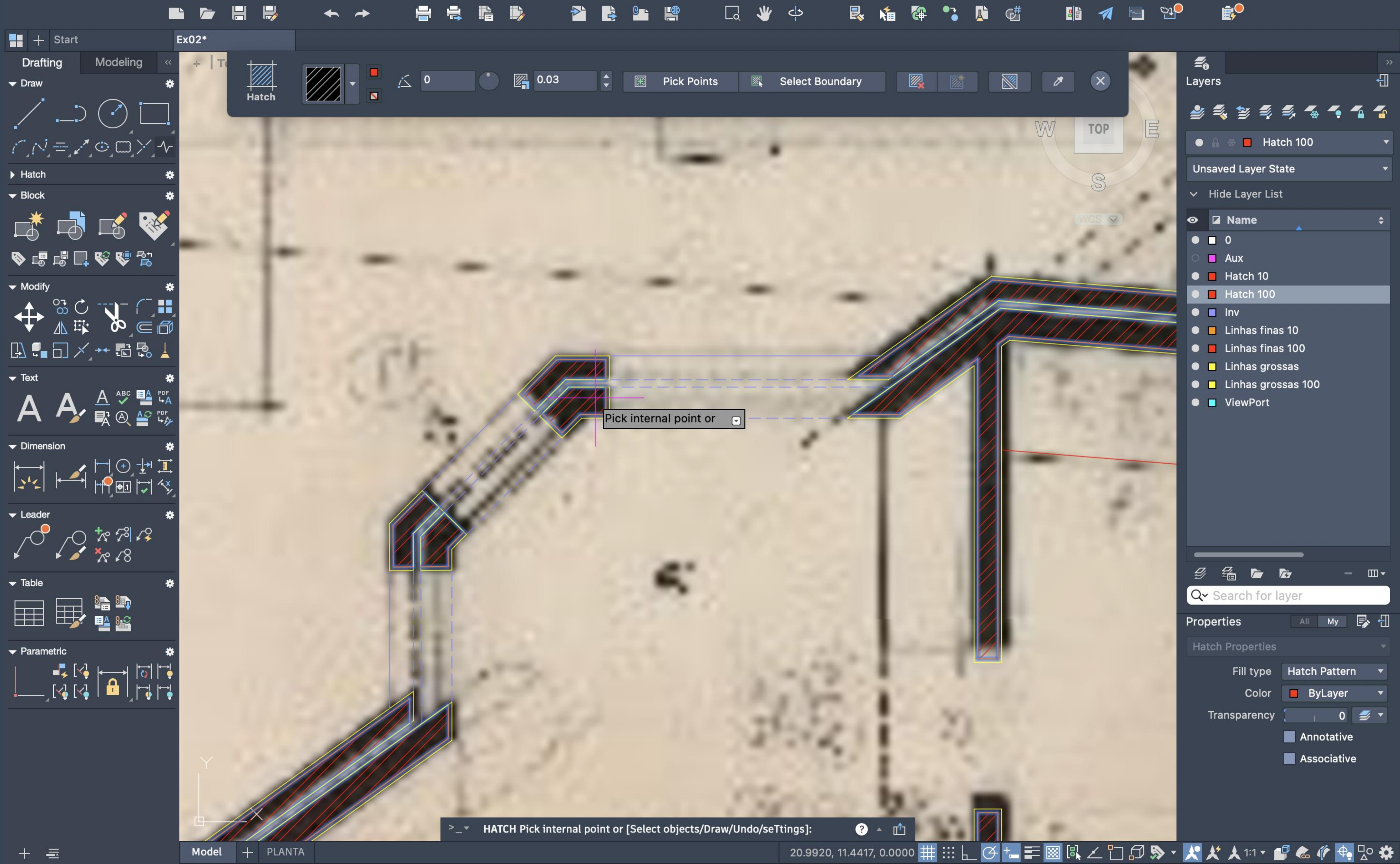
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25



Drafting | **Modeling** | << | T

Draw

- Line, Arc, Circle, Rectangle, Polygon, etc.

Hatch

Block

Modify

- Move, Rotate, Scale, etc.

Text

- Single Line Text, Multiline Text, etc.

Dimension

- Horizontal, Vertical, Aligned, etc.

Leader

Table

Parametric

Hatch | [Pattern Selection] | [Angle: 0] | [Scale: 0.03] | [Pick Points] | [Select Boundary] | [Cancel]

Layers

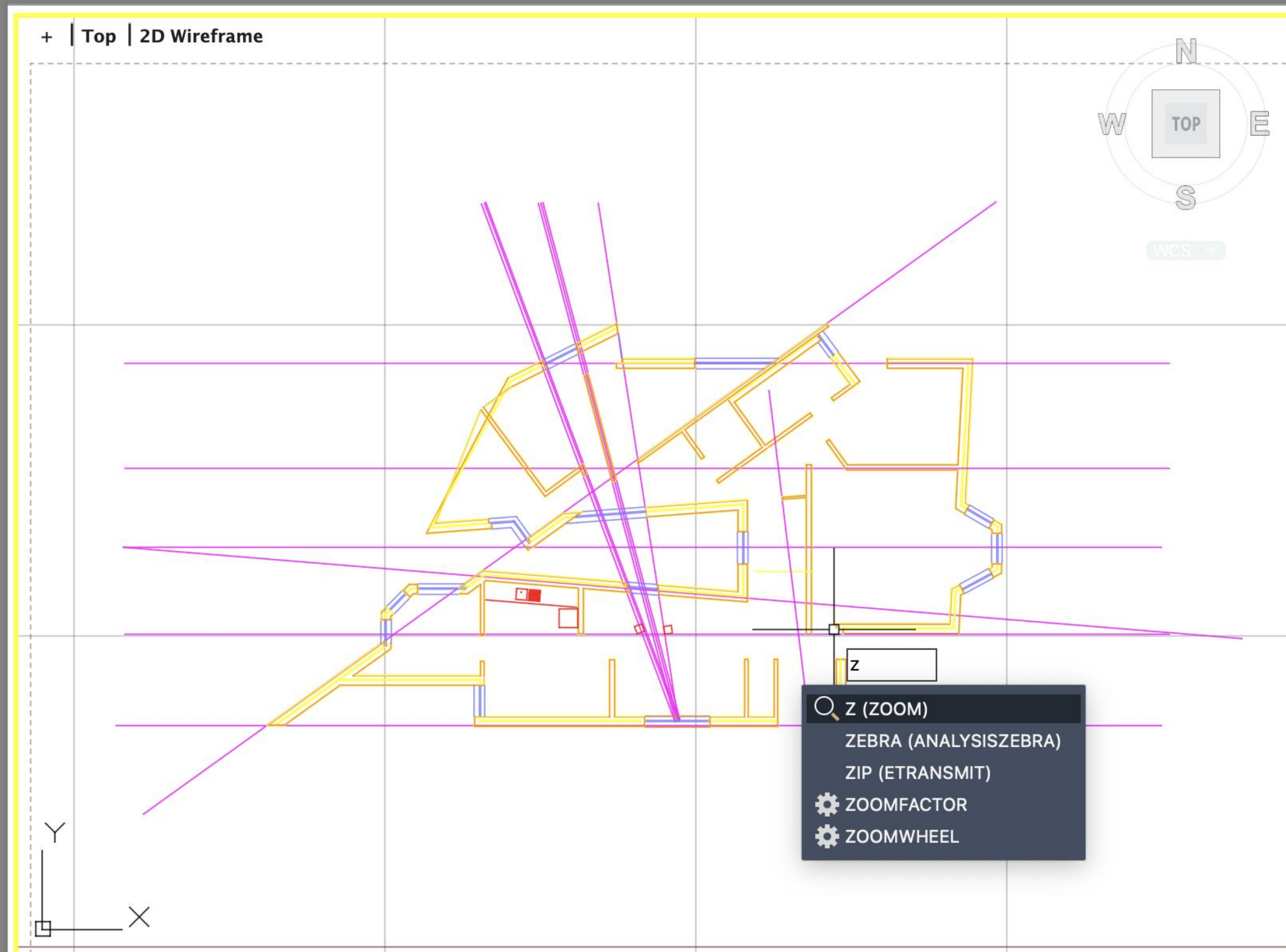
- Hatch 100
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Hatch 10
- Hatch 100
- Inv
- Linhas finas 10
- Linhas finas 100
- Linhas grossas
- Linhas grossas 100
- ViewPort

Properties | All | My | [Icon]

Hatch Properties

- Fill type: Hatch Pattern
- Color: ByLayer
- Transparency: 0
- Annotative
- Associative

Para escalar basta usar o comando Z (zoom)
↓ (enter) S (scale) ↓ (enter) 10xp (por exemplo para uma escala de 1:100)



Layers

Linhas grossas 100

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 10
Linhas finas 100
Linhas grossas
Linhas grossas 100
ViewPort

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Linhas grossas...
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

Drafting | Modeling <<

▼ Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Spiral, etc.

► Hatch

▼ Block

- Insert, Move, Rotate, Scale, etc.

▼ Modify

- Move, Rotate, Scale, Stretch, etc.

▼ Text

- Text, Mtext, etc.

▼ Dimension

- Linear, Angular, etc.

▼ Leader

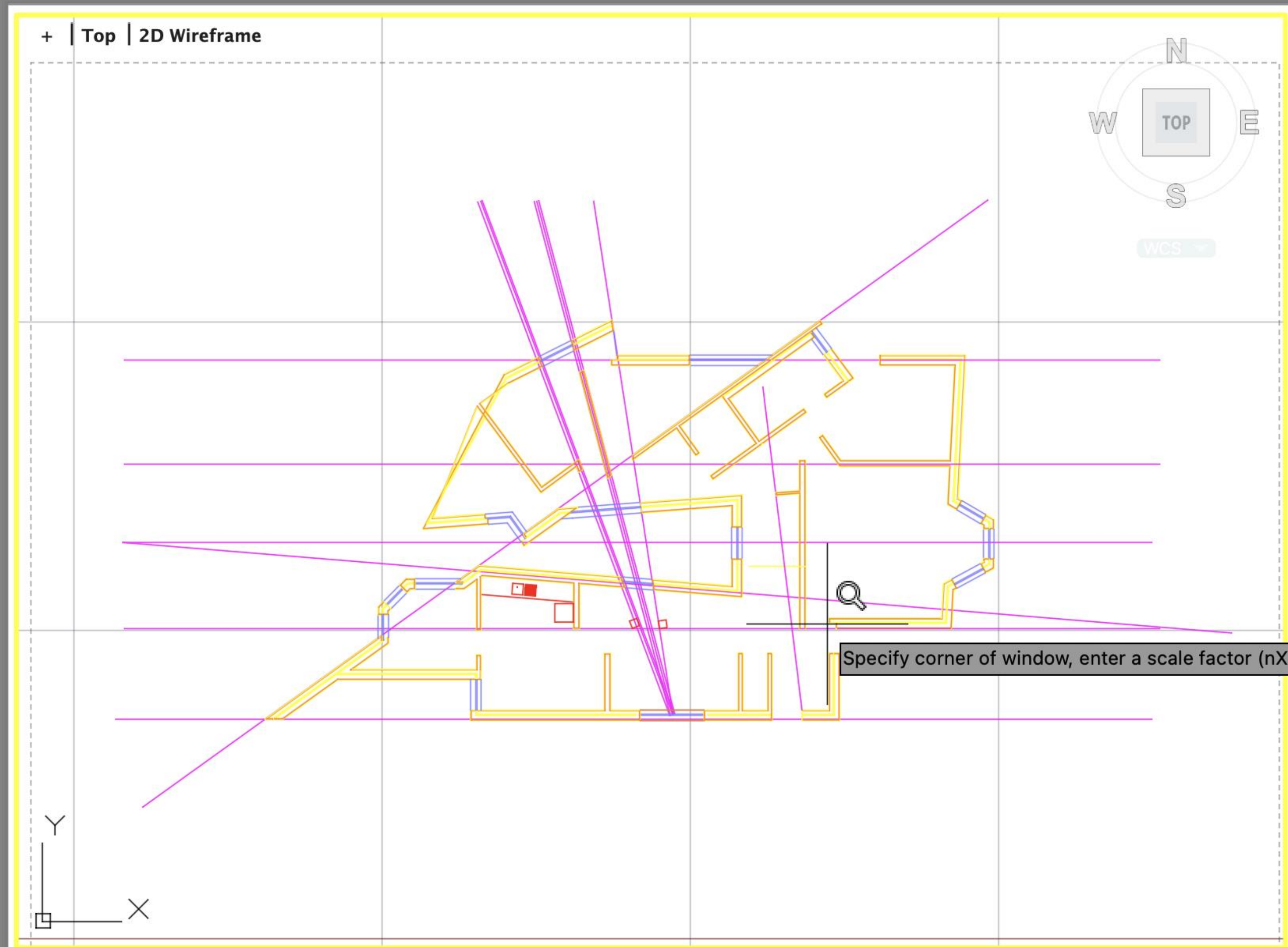
- Leader, etc.

▼ Table

- Table, etc.

▼ Parametric

- Parametric constraints, etc.



Specify corner of window, enter a scale factor (nX or nXP), or S

Layers

Linhas grossas 100

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 10
Linhas finas 100
Linhas grossas
Linhas grossas 100
ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Linhas grossas...

Linetype: Standard

Text style: Standard

Dimension s...: ISO-25

Drafting | Modeling <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

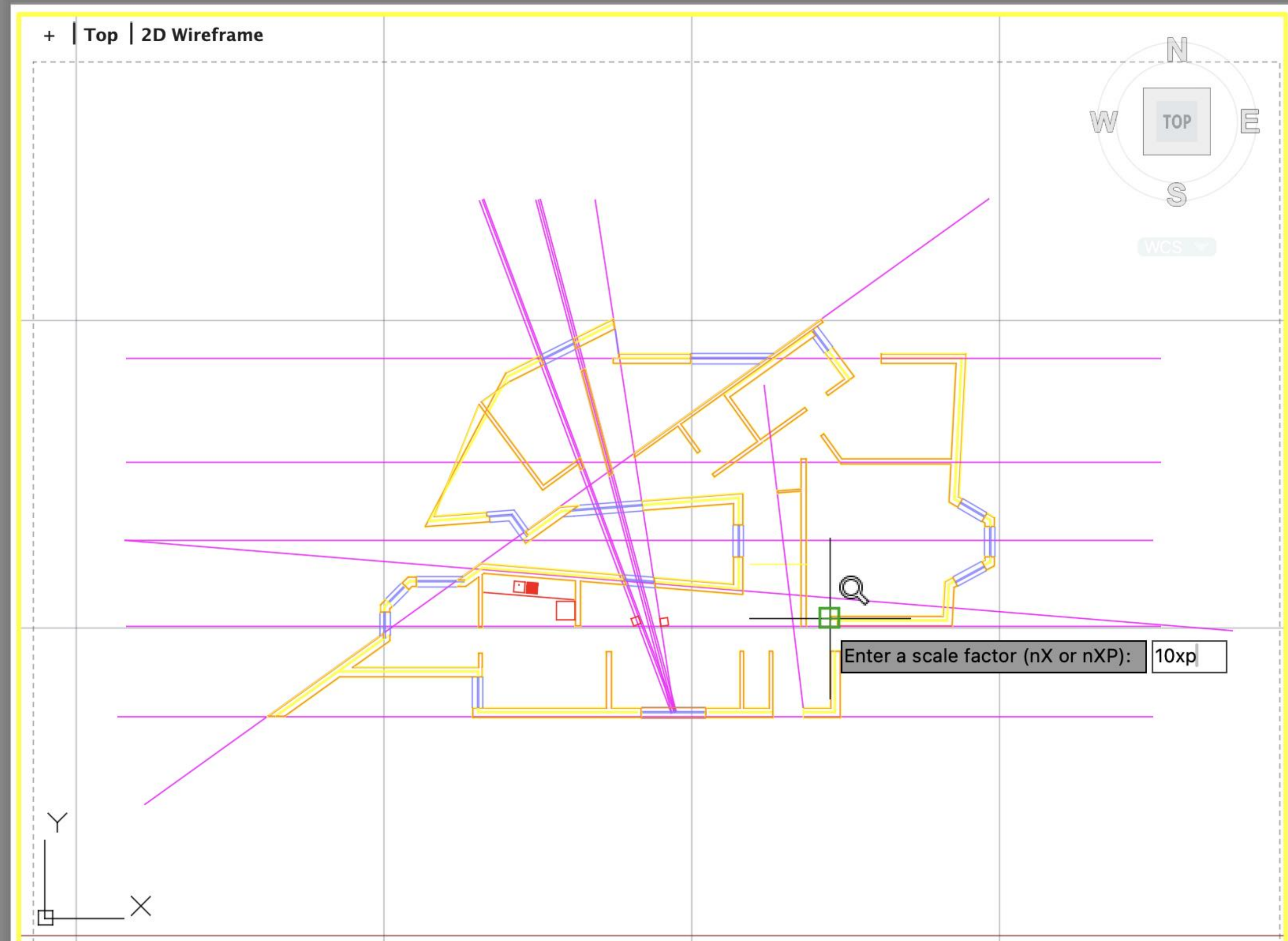
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Linhas grossas 100

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 10
Linhas finas 100
Linhas grossas
Linhas grossas 100
ViewPort

Search for layer

Properties | All | My

Model Space

Color: ByLayer

Layer: Linhas grossas...

Linetype: Standard

Text style: Standard

Dimension s...: ISO-25

Start

Ex02*

Drafting

Modeling

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Top

2D Wireframe

Layers

Hide Layer List

Name

0

Aux

Hatch 10

Hatch 100

Inv

Linhas finas 10

Linhas finas 100

Linhas grossas

Linhas grossas 100

ViewPort

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Hatch 100

Linetype

ByLayer

Linetype sc...

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension s...

ISO-25

Type a command

24.2585, 13.9629, 0.0000



Start

Ex02*

Drafting

Modeling

Top | 2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

O comando List permite ver as propriedades de cada linha

list

LIST

-SCALELISTEDIT

BLOCKMRULIST

CLISTATE (COMMANDWINDOWSTATE)

COUNTLIST

COUNTLISTCLOSE

DBLIST

DEFAULTSCALELIST

SCALELISTEDIT

Layers

Hide Layer List

Name

0

Aux

Hatch 10

Hatch 100

Inv

Linhas finas 10

Linhas finas 100

Linhas grossas

Linhas grossas 100

ViewPort

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Hatch 100

Linetype

ByLayer

Linetype sc...

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension s...

ISO-25

Model

PLANTA

23.8793, 13.7345, 0.0000

Type a command



▼ Draw

▼ Hatch

▼ Block

▼ Modify

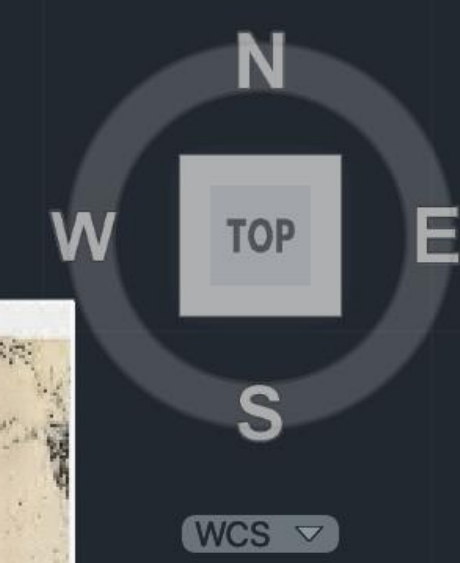
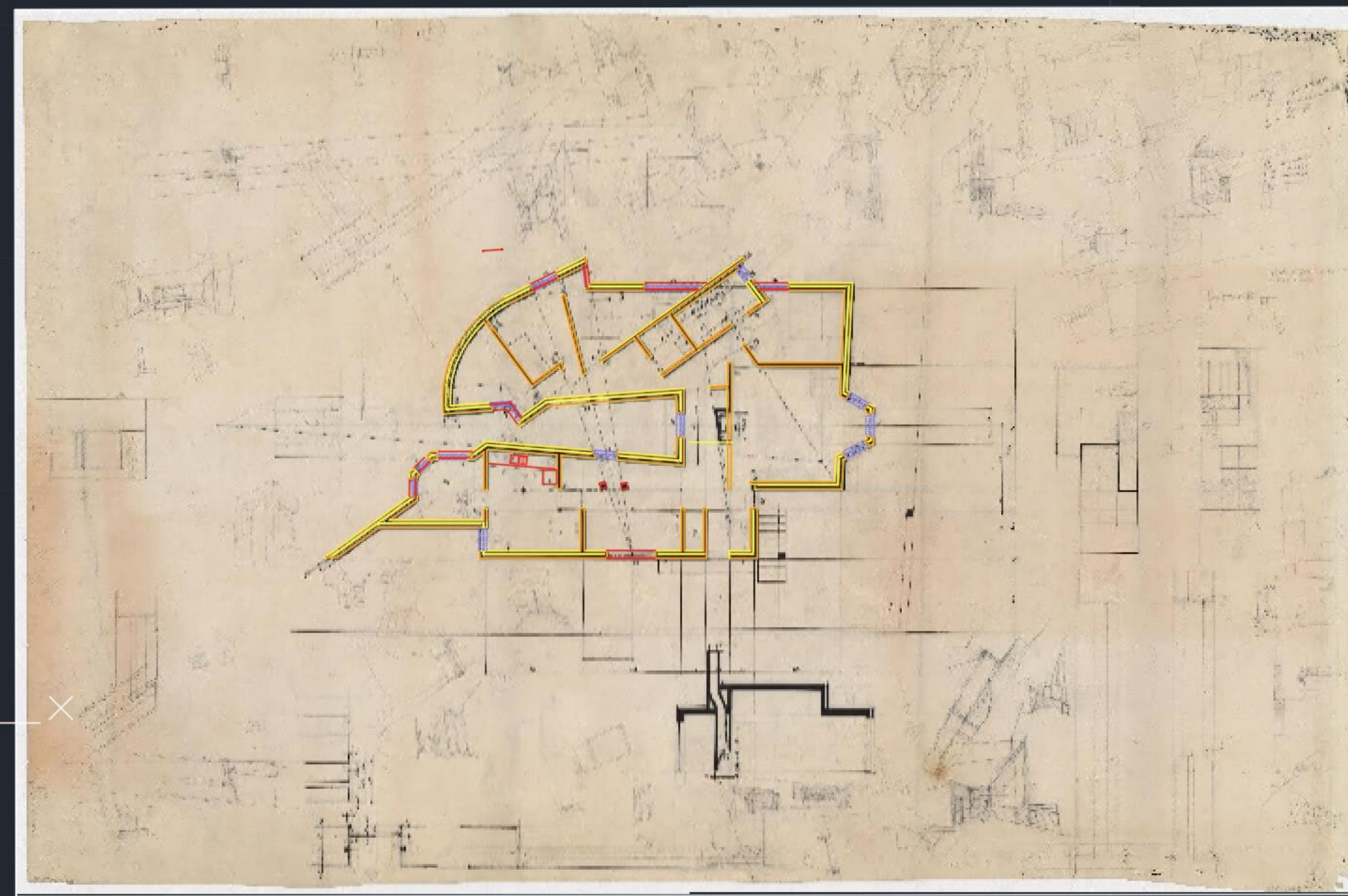
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Unsaved Layer State

Hide Layer List

Eye	Name
●	0
○	Aux
○	Hatch 10
●	Hatch 100
●	Inv
●	Linhas finas 10
●	Linhas finas 100
●	Linhas grossas
●	Linhas grossas 100
●	Viewport

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Viewport
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

O comando Attach permite anexar imagens a partir dos ficheiros

ataq

ATCH (ATTACH)

BLOCKSDATACOLLECTION

Drafting | Modeling | << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

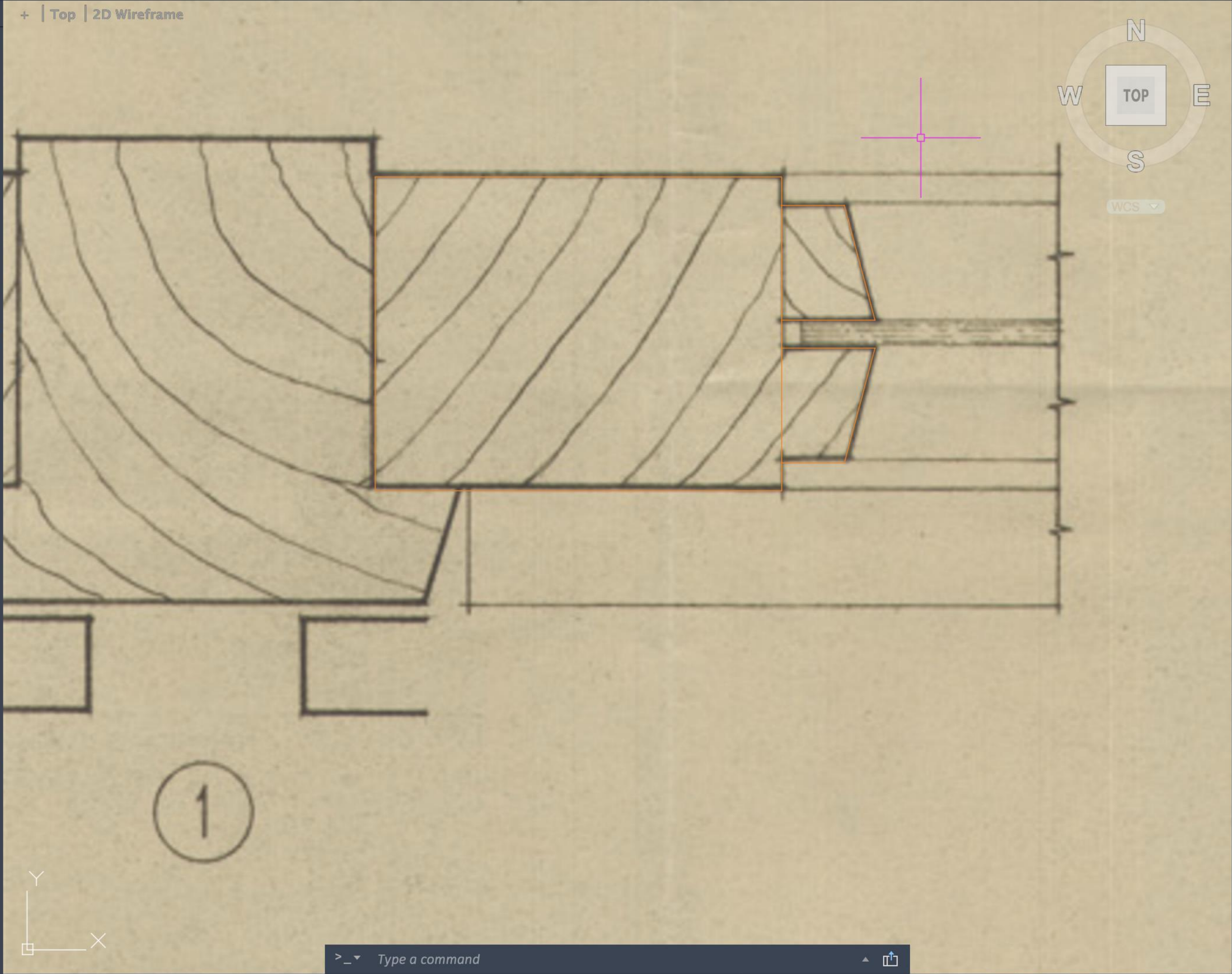
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Linhas finas 10

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 10
Linhas finas 100
Linhas grossas
Linhas grossas 100
ViewPort

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Linhas finas 10
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25



Drafting | **Modeling** | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block, Image, Xref, etc.

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, etc.

Text

- Text, Mtext, Table, etc.

Dimension

- Linear, Aligned, Angular, etc.

Leader

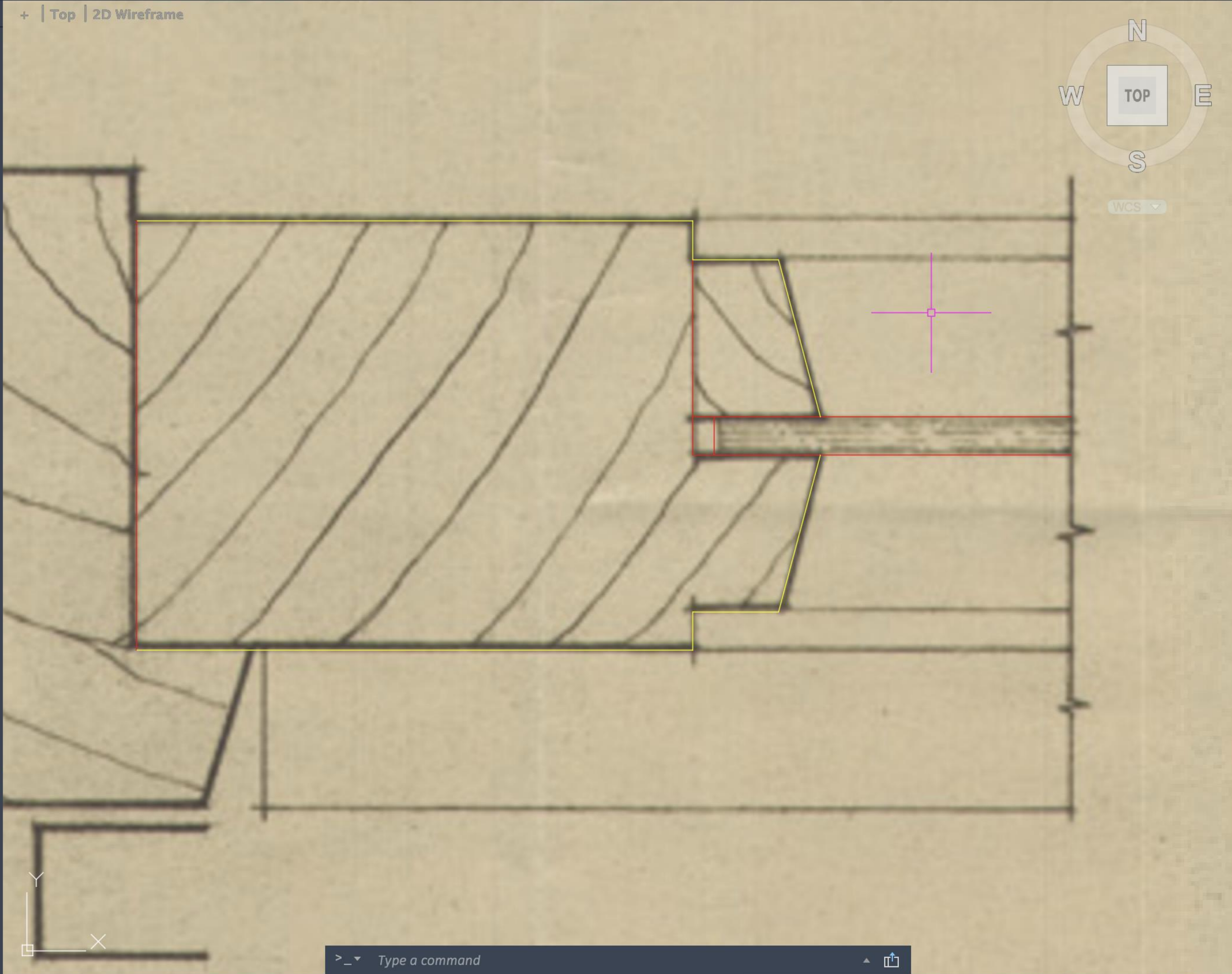
- Leader, etc.

Table

- Table, etc.

Parametric

- Parametric constraints, etc.



Layers

- Linhas finas 10
- Unsaved Layer State
- Hide Layer List
- Name
- 0
- Aux
- Hatch 10
- Hatch 100
- Inv
- Linhas finas 1
- Linhas finas 10**
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- ViewPort

Properties

Model Space

- Color: ByLayer
- Layer: Linhas finas 10
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension s...: ISO-25



Start Ex02* + | Top | 2D Wireframe

Drafting | **Modeling** | << | + | Top | 2D Wireframe

Draw

Hatch

Block

Modify

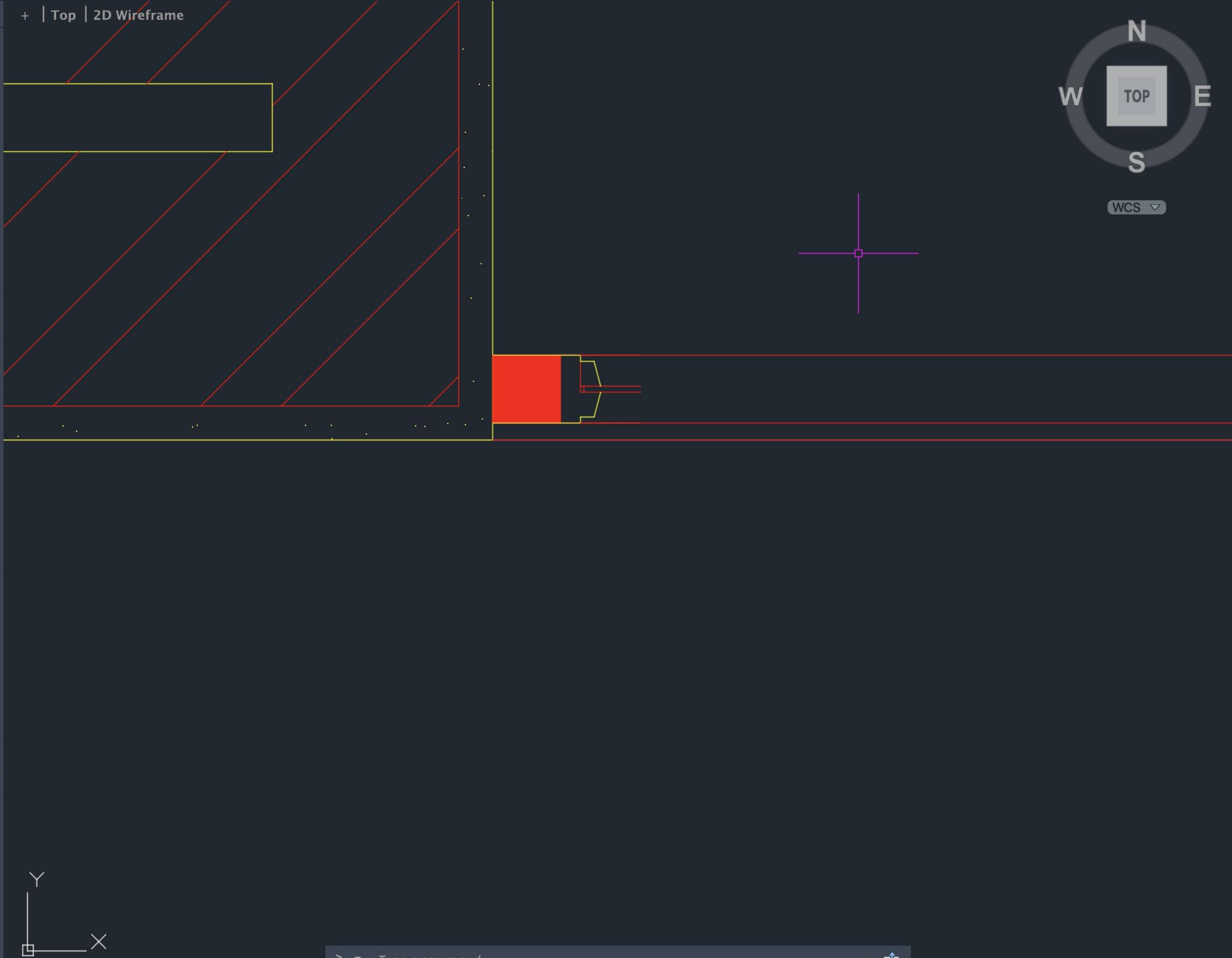
Text

Dimension

Leader

Table

Parametric



Layers

Hatch 100

Unsaved Layer State

Hide Layer List

Name

- 0
- Aux
- Hatch 10
- Hatch 100
- Inv
- Linhas finas 1
- Linhas finas 10
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Hatch 100

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Start

Ex02*

Drafting

Modeling

Top

2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Layers

Properties

WCS

TOP

W

N

E

S

ex

EX (EXTEND)

EXIT (QUIT)

EXP (EXPORT)

EXPERT

EXPLMODE

EXPLODE

EXPORTEPLOTFORMAT

EXPORTLAYOUT

Model

PLANTA

Layout1

28.4466, 7.1190, 0.0000

1:1

Layers



Inv

Unsaved Layer State

Hide Layer List

- | | Name |
|----------------------------------|--------------------|
| ☐ | 0 |
| ☐ | Aux |
| ☐ | Hatch 10 |
| ☐ | Hatch 100 |
| ☒ | Inv |
| ☐ | Linhas finas 1 |
| ☐ | Linhas finas 10 |
| ☐ | Linhas finas 100 |
| ☐ | Linhas grossas 1 |
| ☐ | Linhas grossas 10 |
| ☐ | Linhas grossas 100 |
| ☐ | ViewPort |



Search for layer

Properties

Model Space

- | | |
|----------------|----------|
| Color | ByLayer |
| Layer | Inv |
| Linetype | ByLayer |
| Linetype sc... | 1 |
| Lineweight | ByLayer |
| Transparency | 0 |
| Text style | Standard |
| Dimension s... | ISO-25 |



Start Ex02*

Drafting | Modeling << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block, Image, Xref, etc.

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, etc.

Text

- Single Line Text, Multiline Text, Text Style, etc.

Dimension

- Horizontal, Vertical, Aligned, Angular, etc.

Leader

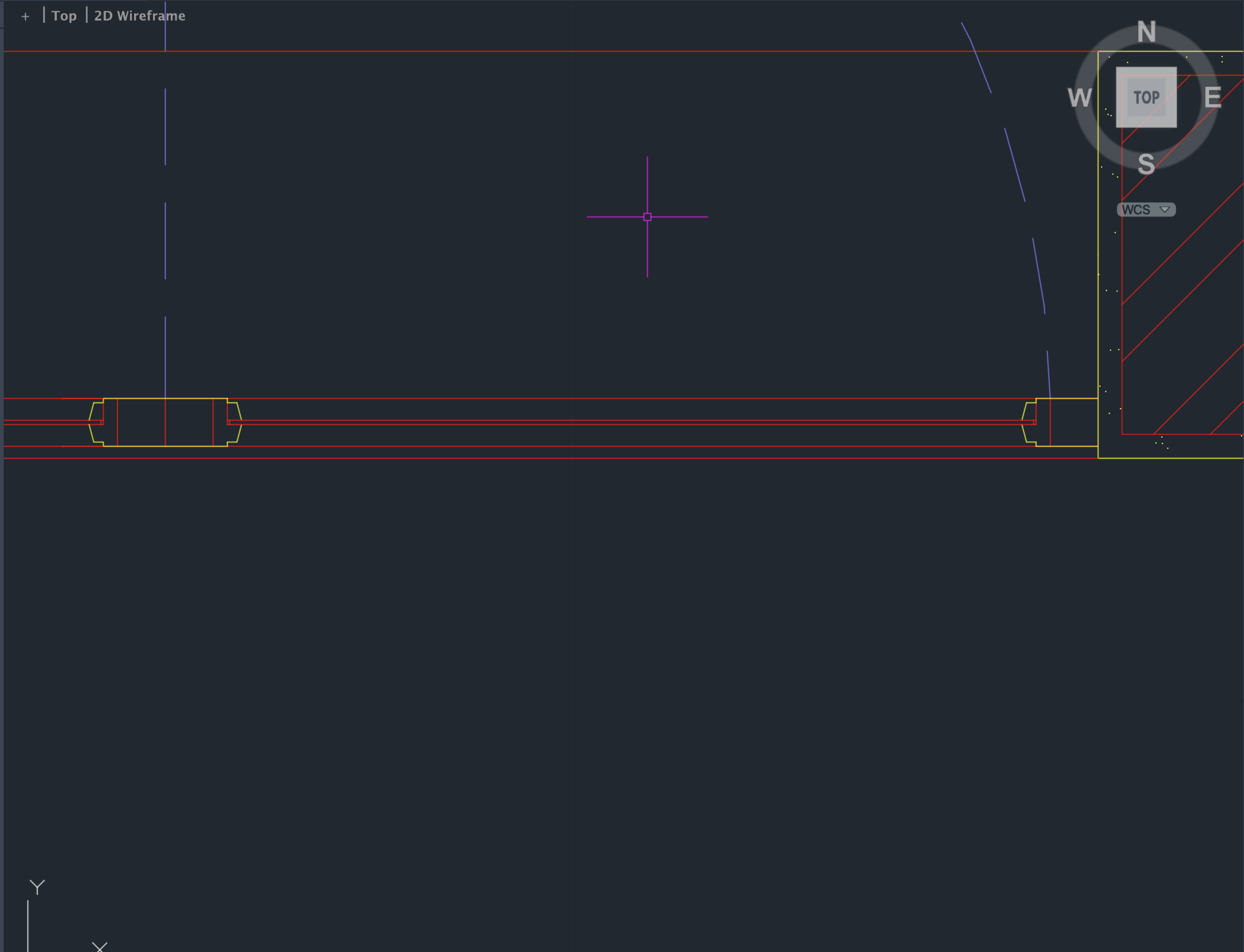
- Single Line Leader, Multiline Leader, etc.

Table

- Table, Table Style, etc.

Parametric

- Parametric Constraints (Horizontal, Vertical, Tangent, etc.)



Layers

Linhas finas 10

Unsaved Layer State

Hide Layer List

Icon	Name
☐	0
☐	Aux
☐	Hatch 10
☐	Hatch 100
☐	Inv
☐	Linhas finas 1
☒	Linhas finas 10
☐	Linhas finas 100
☐	Linhas grossas 1
☐	Linhas grossas 10
☐	Linhas grossas 100
☐	ViewPort

Properties

Model Space

Color: ByLayer

Layer: Linhas finas 10

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

>_ Type a command

Drafting | **Modeling** | <<

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, etc.

Hatch

Block

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, etc.

Text

- Text, MText, Table, etc.

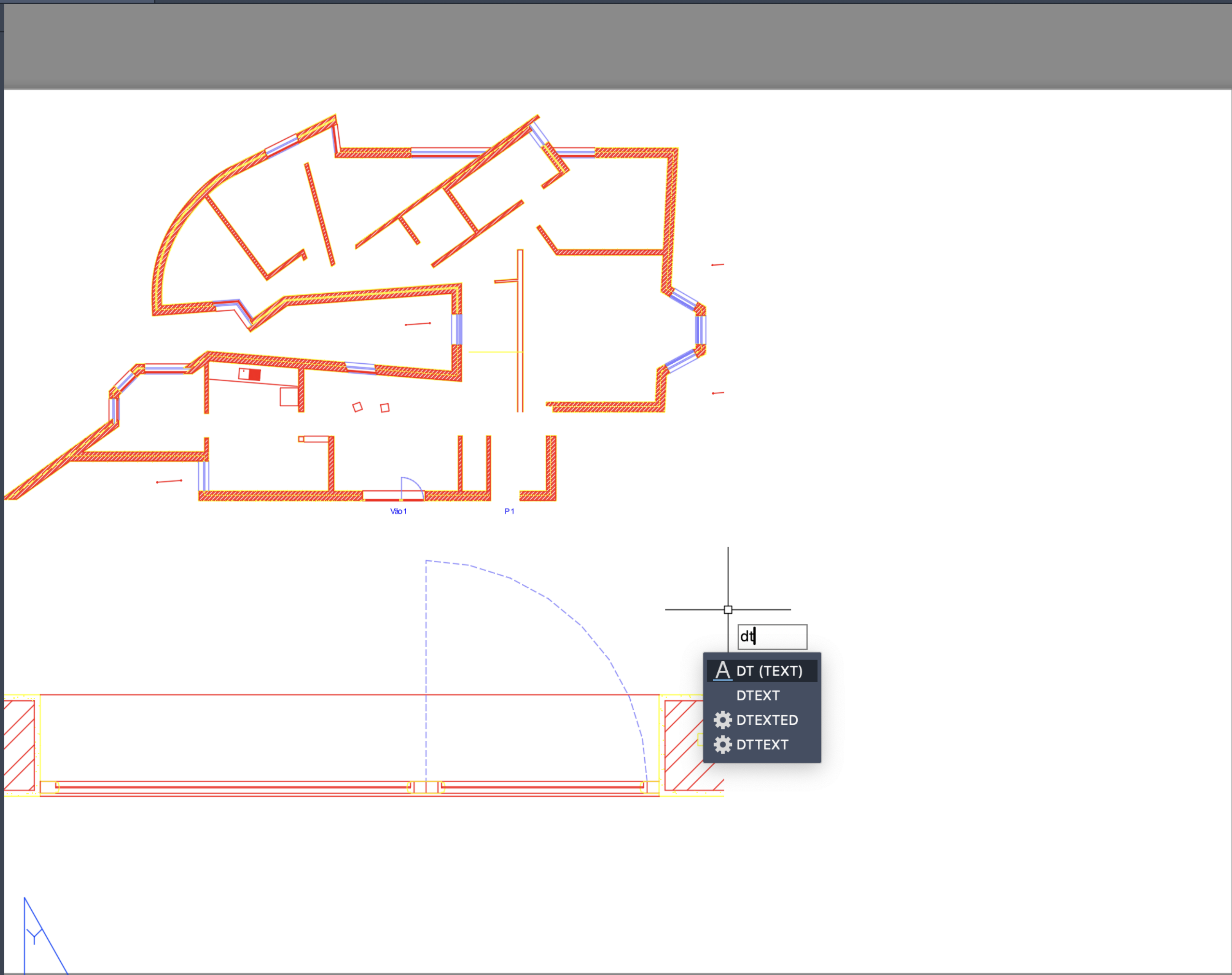
Dimension

- Linear, Angular, Ordinate, etc.

Leader

Table

Parametric



dt

DT (TEXT)
DTEXT
DTEXTED
DTEXT

Layers

Hatch 100

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Texto Layout
Texto Model
ViewPort

Search for layer

Properties

Paper Space

Color	ByLayer
Layer	Hatch 100
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

Drafting | Modeling <<

▼ Draw

Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Region, Block, Image, External Reference, Table, Parametric

▼ Modify

Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Show, Freeze, Thaw, Lock, Hide, Show, Freeze, Thaw

▼ Text

Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Lineweight, Text Transparency, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Lineweight, Text Transparency

▼ Dimension

Dimension Line, Dimension Value, Dimension Extension Line, Dimension Arrow, Dimension Text, Dimension Line, Dimension Value, Dimension Extension Line, Dimension Arrow, Dimension Text

▼ Leader

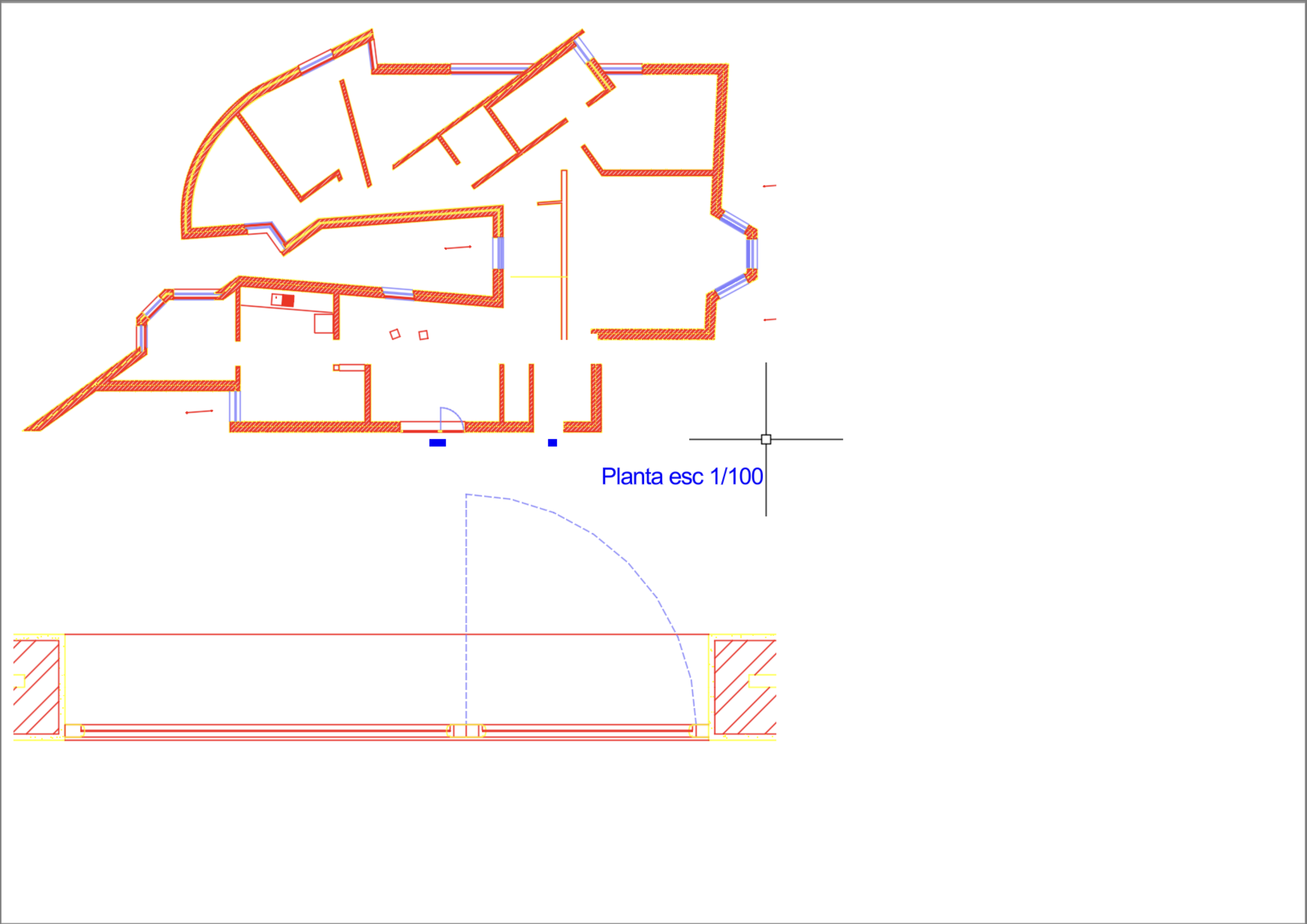
Leader Line, Leader Arrow, Leader Text, Leader Line, Leader Arrow, Leader Text

▼ Table

Table, Table Style, Table Orientation, Table Color, Table Layer, Table Linetype, Table Lineweight, Table Transparency

▼ Parametric

Parametric Line, Parametric Arc, Parametric Circle, Parametric Rectangle, Parametric Ellipse, Parametric Polygon, Parametric Polyline, Parametric Spline, Parametric Hatch, Parametric Region, Parametric Block, Parametric Image, Parametric External Reference, Parametric Table, Parametric Parametric



Layers

Texto Layout

Unsaved Layer State

Hide Layer List

Name	Color	Linetype	Lineweight	Transparency
0	Black	ByLayer	1	0
Aux	Magenta	ByLayer	1	0
Hatch 10	Red	ByLayer	1	0
Hatch 100	Red	ByLayer	1	0
Inv	Blue	ByLayer	1	0
Linhas finas 1	Red	ByLayer	1	0
Linhas finas 10	Red	ByLayer	10	0
Linhas finas 100	Red	ByLayer	100	0
Linhas grossas 1	Yellow	ByLayer	1	0
Linhas grossas 10	Yellow	ByLayer	10	0
Linhas grossas 100	Yellow	ByLayer	100	0
Texto Layout	Blue	ByLayer	1	0
Texto Model	Blue	ByLayer	1	0
ViewPort	Cyan	ByLayer	1	0

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Texto Layout

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Drafting | **Modeling** | <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

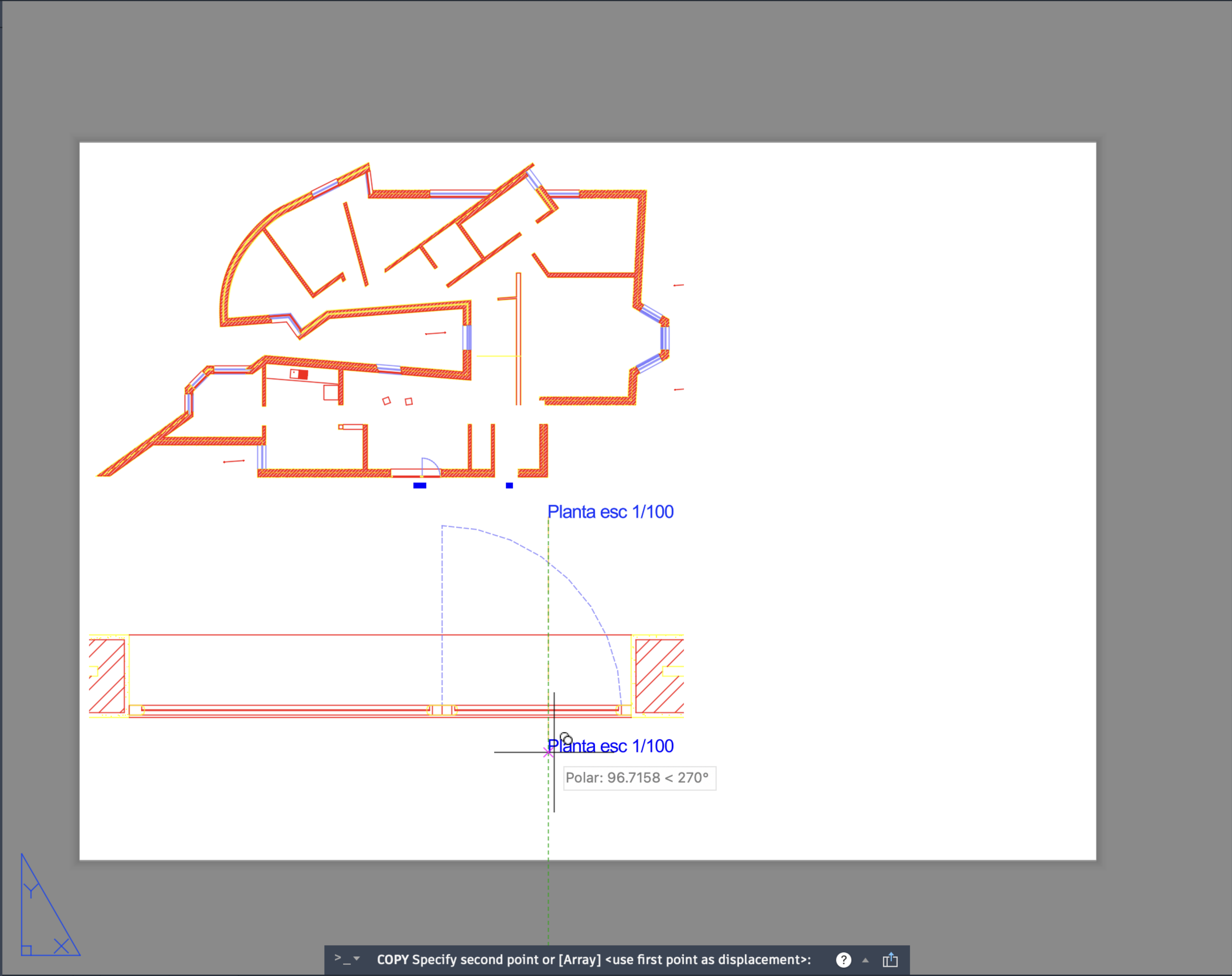
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Texto Layout

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 10
Hatch 100
Inv
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Texto Layout
Texto Model
ViewPort

Search for layer

Properties | All | My

Paper Space

Color	ByLayer
Layer	Texto Layout
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

Drafting | **Modeling** | <<

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Spiral, Hatch, Block, Image, Mtext, Text, Dimension, Leader, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Erase, Lock, Hide, Show, Delete

Text

- Text, Mtext, Text Style, Text Align, Text Justify, Text Orientation, Text Color, Text Layer, Text Linetype, Text Lineweight, Text Transparency, Text Dimension

Dimension

- Dimension, Dimension Line, Dimension Arc, Dimension Text, Dimension Style, Dimension Layer, Dimension Linetype, Dimension Lineweight, Dimension Transparency, Dimension Dimension

Leader

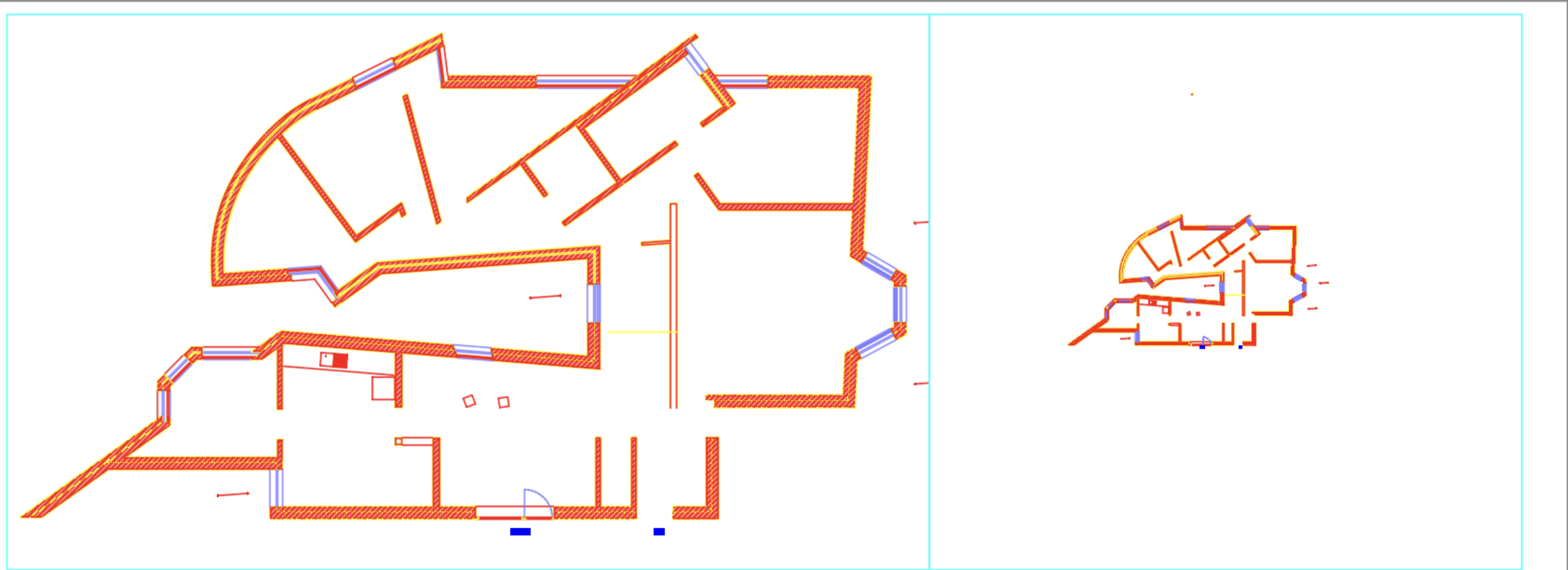
- Leader, Leader Line, Leader Text, Leader Style, Leader Layer, Leader Linetype, Leader Lineweight, Leader Transparency, Leader Leader

Table

- Table, Table Line, Table Text, Table Style, Table Layer, Table Linetype, Table Lineweight, Table Transparency, Table Table

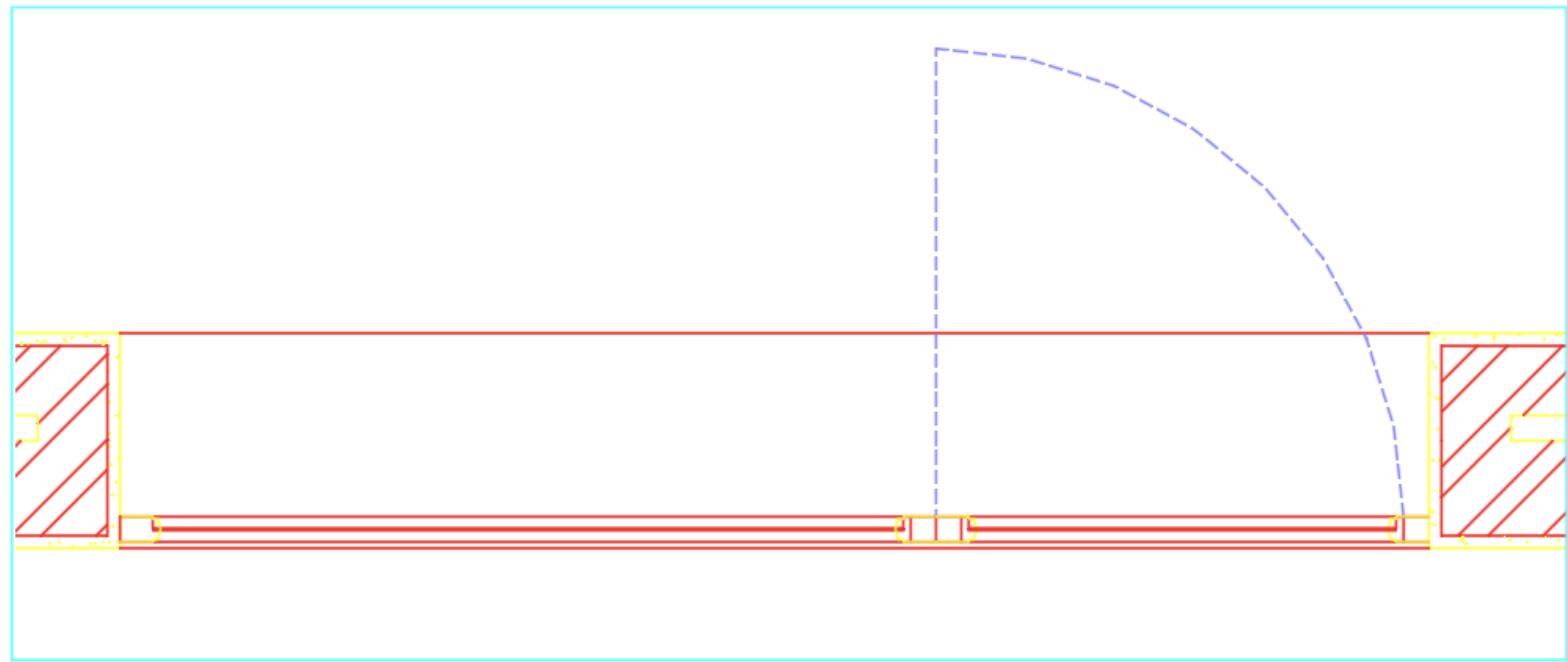
Parametric

- Parametric, Parametric Line, Parametric Arc, Parametric Circle, Parametric Rectangle, Parametric Ellipse, Parametric Polygon, Parametric Spiral, Parametric Hatch, Parametric Block, Parametric Image, Parametric Mtext, Parametric Text, Parametric Dimension, Parametric Leader, Parametric Table, Parametric Parametric



Planta esc 1/100

Pormenor esc 1/1



Vão 1 esc 1/10

Layers

Texto Layout

Unsaved Layer State

Hide Layer List

Layer Name	Description	Color	Linetype	Lineweight	Transparency
10	De...				
100	De...				
finas 1	De...				
finas 10	De...				
finas 100	De...				
grossas 1	De...				
grossas 10	De...				
grossas 100	De...				
ayout	De...				
model	De...				
ort	De...				

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Texto Layout

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Drafting | Modeling <<

▼ Draw ⚙

► Hatch ⚙

▼ Block ⚙

▼ Modify ⚙

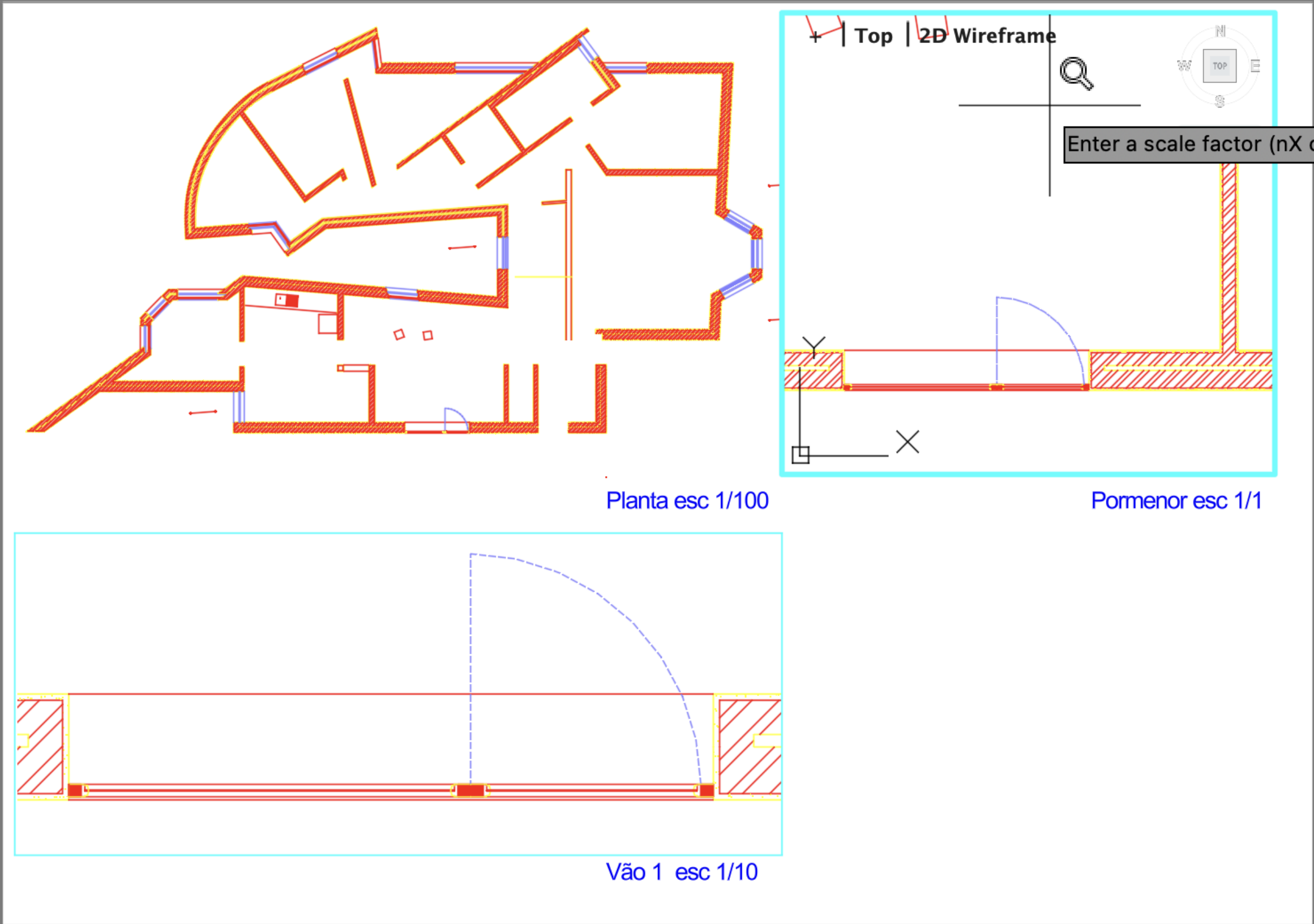
▼ Text ⚙

▼ Dimension ⚙

▼ Leader ⚙

▼ Table ⚙

▼ Parametric ⚙



Layers

● Texto Layout

Unsaved Layer State

▼ Hide Layer List

	Name		
	0		
	Aux		
	Hatch 10		
	Hatch 100		
	Inv		
	Linhas finas 1		
	Linhas finas 10		
	Linhas finas 100		
	Linhas grossas 1		
	Linhas grossas 10		
	Linhas grossas 100		
	Texto Layout		
	Texto Model		
	Viewport		
	Viewport PORM		

Search for layer

Properties

All | My

Model Space

Color: ByLayer

Layer: Texto Layout

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Start

Ex02*

Drafting

Modeling

Top

2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Layers

Hide Layer List

Name

0

Aux

Hatch 1

Hatch 10

Hatch 100

Inv

Linhas finas 1

Linhas finas 10

Linhas finas 100

Linhas grossas 1

Linhas grossas 10

Linhas grossas 100

Texto Layout

Texto Model

ViewPort

ViewPort PORM

Search for layer

Properties

Model Space

Color

ByLayer

Layer

Hatch 1

Linetype

ByLayer

Linetype sc...

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension s...

ISO-25

W

N

E

S

TOP

WCS

Para fazer a textura da madeira, utilizamos o comando Spline

Enter next point or

>_ SPLINE Enter next point or [end Tangency/toLerance/Undo]:

Model

PLANTA

Layout1

28.4009, 7.1136, 0.0000

1:1

Drafting | Modeling | << | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Polyline, Mline, Dimension, Leader, Table, Parametric

Hatch

Block

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Show, Freeze, Thaw, Lock, Hide, Show, Freeze, Thaw

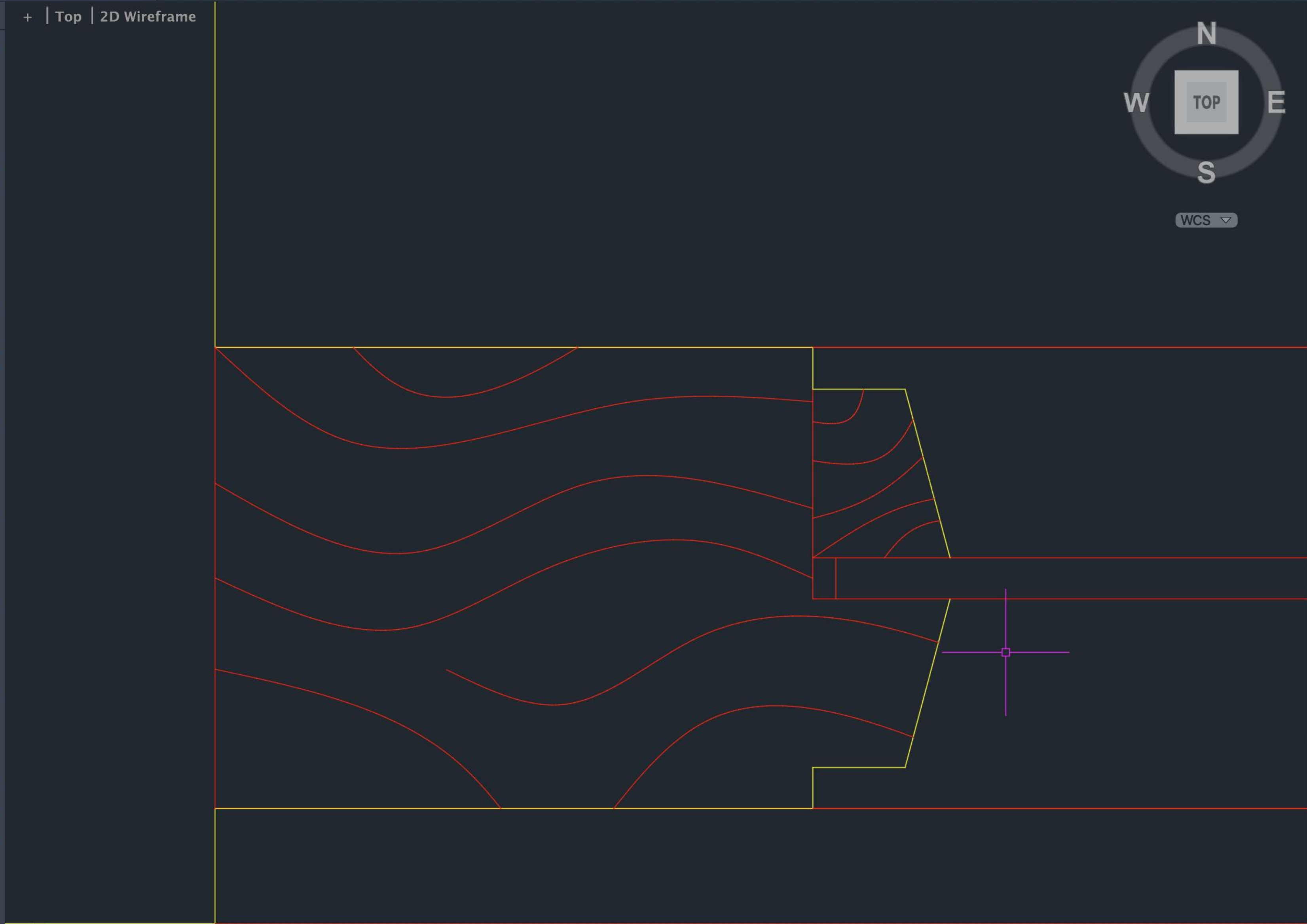
Text

Dimension

Leader

Table

Parametric



Layers

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Texto Layout
Texto Model
ViewPort
ViewPort PORM

Search for layer

Properties

Model Space

Color	ByLayer
Layer	Hatch 1
Linetype	ByLayer
Linetype sc...	1
Lineweight	ByLayer
Transparency	0
Text style	Standard
Dimension s...	ISO-25

Draw

Hatch

Block

Modify

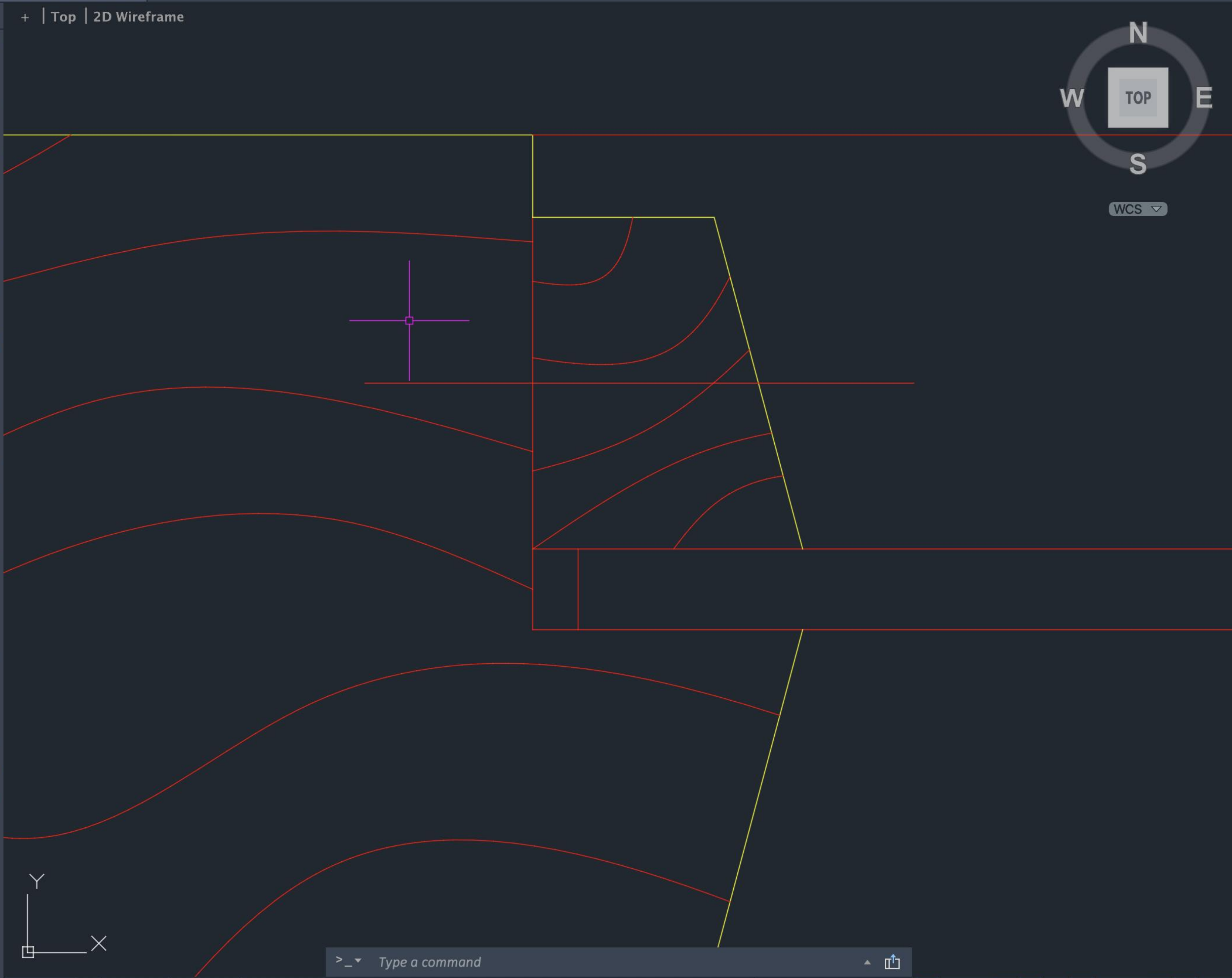
Text

Dimension

Leader

Table

Parametric



Hatch 1

Unsaved Layer State

Hide Layer List

Name

- 0
- Aux
- Hatch 1
- Hatch 10
- Hatch 100
- Inv
- Linhas finas 1
- Linhas finas 10
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- Texto Layout
- Texto Model
- ViewPort
- ViewPort PORM

Model Space

Color ByLayer

Layer Hatch 1

Linetype ByLayer

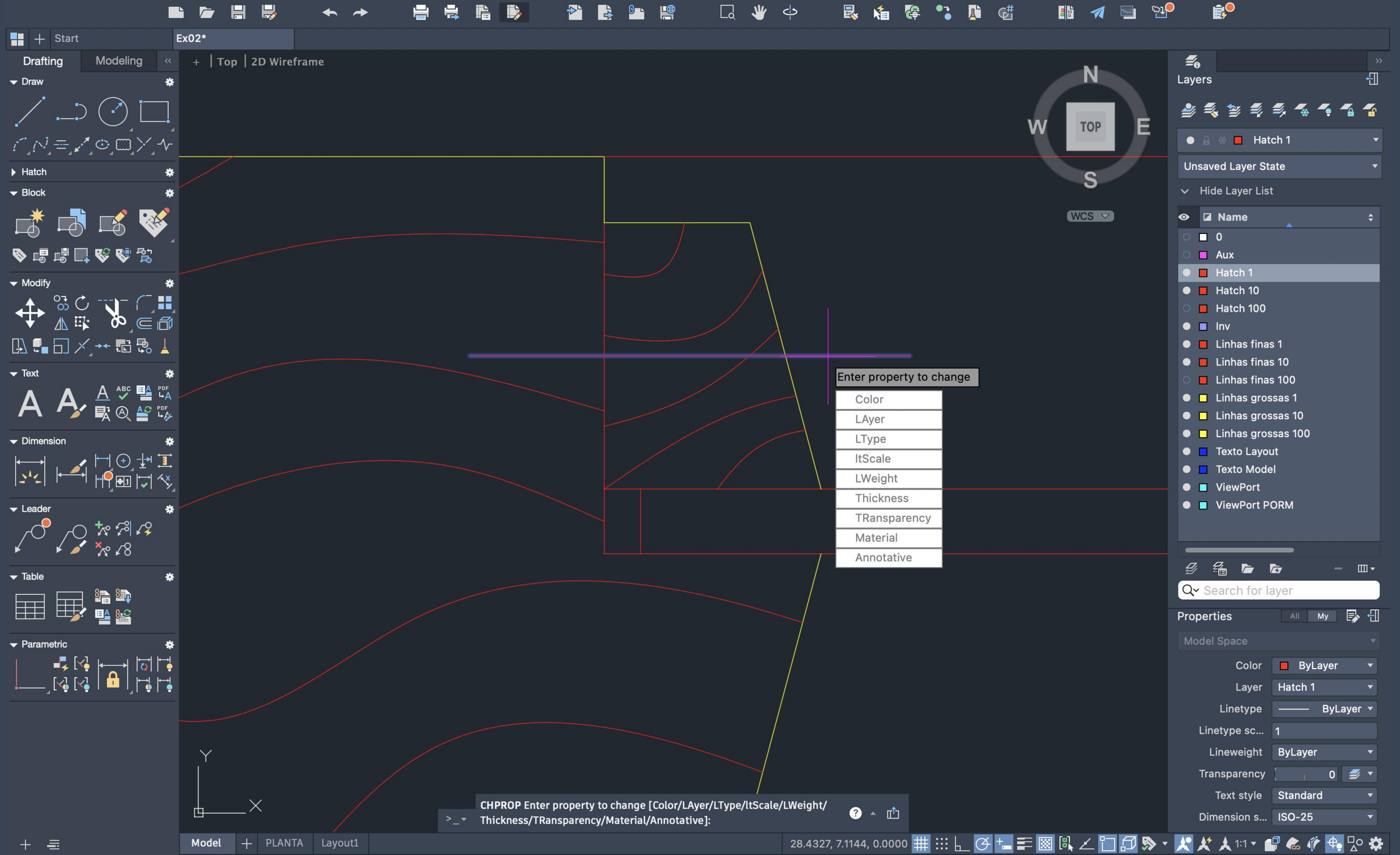
Linetype sc... 1

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... ISO-25



Modo de IA

Tudo

Produtos

Imagens

Vídeos

Shorts

Notícias

Mais ▾

Ferramentas ▾

Resultados para **Lisboa** · Escolher área

Resultado patrocinado

roca.pt

https://www.roca.pt › coleção › nu

Roca Portugal

Roca | Nu é Inspiração — A coleção Nu representa uma pureza da expressão visual. permitindo toda uma personalização da casa de banho. Catálogo **Roca**. Ideias para Casa de Banho. Coleções **Roca**. Conforto.

- Coleção de Sanitas Roca

Conheça os modelos mais variados de sanitas que temos à sua disposição
- Catálogos Roca

Novas composições para a sua casa de banho
- Assentos e Tampas

Uma variada gama de assentos que lhe oferecem conforto e higiene.
- Roca | Nu é Inovação

Nu joga com as cores novas e divertidas
- Bidés Roca

A Roca disponibiliza um conjunto de soluções para a sua casa de banho

O site Roca disponibiliza Ficheiros DWG de louças sanitárias

Descargas

Limpar

ONA_CAD_2D-TOP.dwg

33 KB

Webex.pkg

9 MB

Peças de reposição

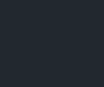
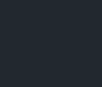
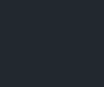
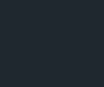
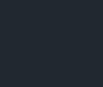
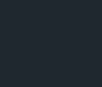
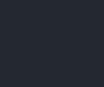
Ficheiros 2D e 3D

Descarregar os ficheiros CAD (2D, 3D) deste produto em diferentes formatos.

2D			
Planta	DWG	DXF	
Alçado	DWG	DXF	
Perfil	DWG	DXF	
3D			
	3DS	DWG	DXF
			FBX

DraftingModeling<<+ | Top | 2D Wireframe>>

▼ Draw



▼ Hatch

▼ Block

▼ Modify

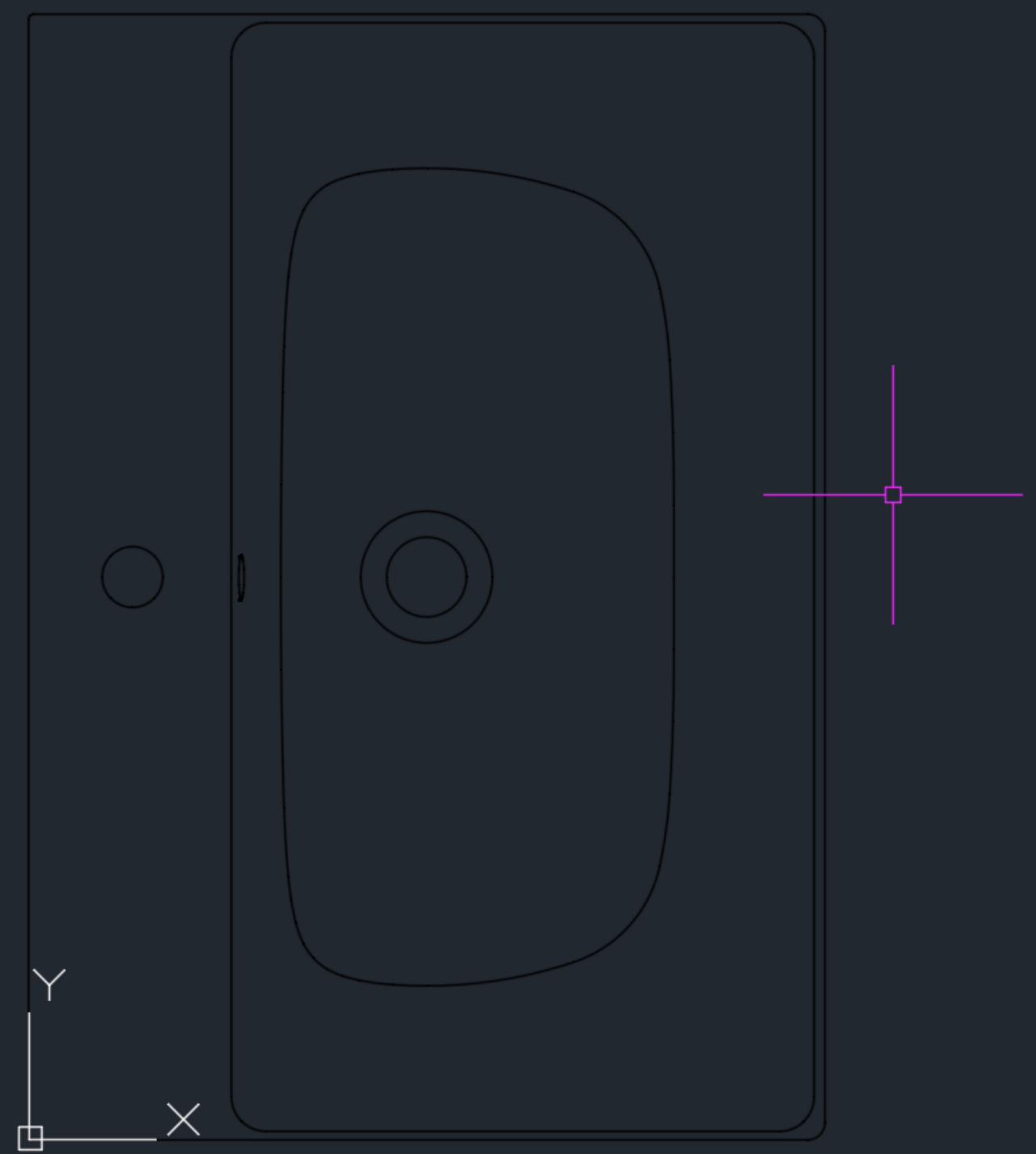
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers



● TOP

Unsaved Layer State

▼ Hide Layer List





0

TOP

Search for layer

Properties

Model Space

Color ByLayer

Layer TOP

Linetype ByLayer

Linetype sc... 1.000

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... STANDARD_AC...

Drafting

Modeling

<<

+ | Top | 2D Wireframe

▼ Draw

► Hatch

▼ Block

▼ Modify

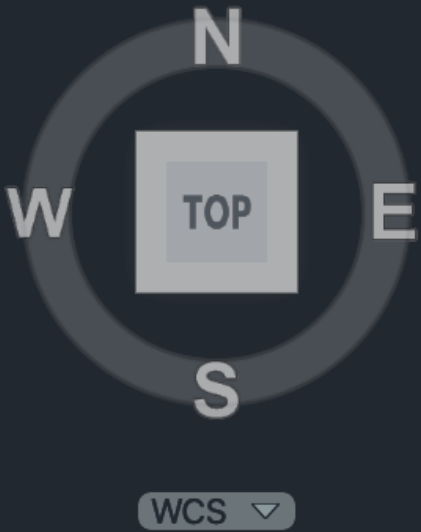
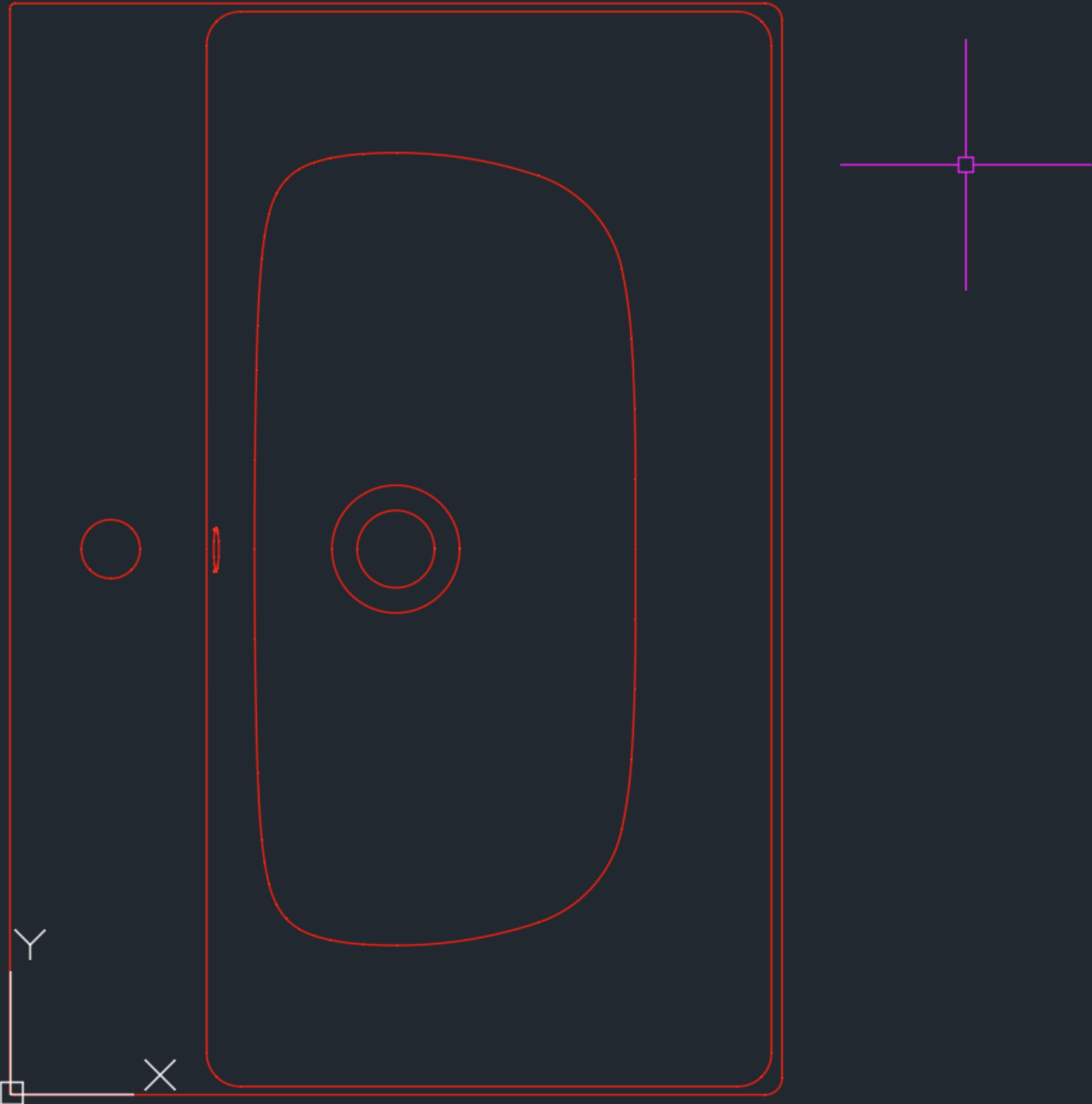
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

● TOP

Unsaved Layer State

Hide Layer List

☑ Name

● 0

● TOP

Search for layer

Properties

Model Space

Color

ByLayer

Layer

TOP

Linetype

ByLayer

Linetype sc...

1.000

Lineweight

ByLayer

Transparency

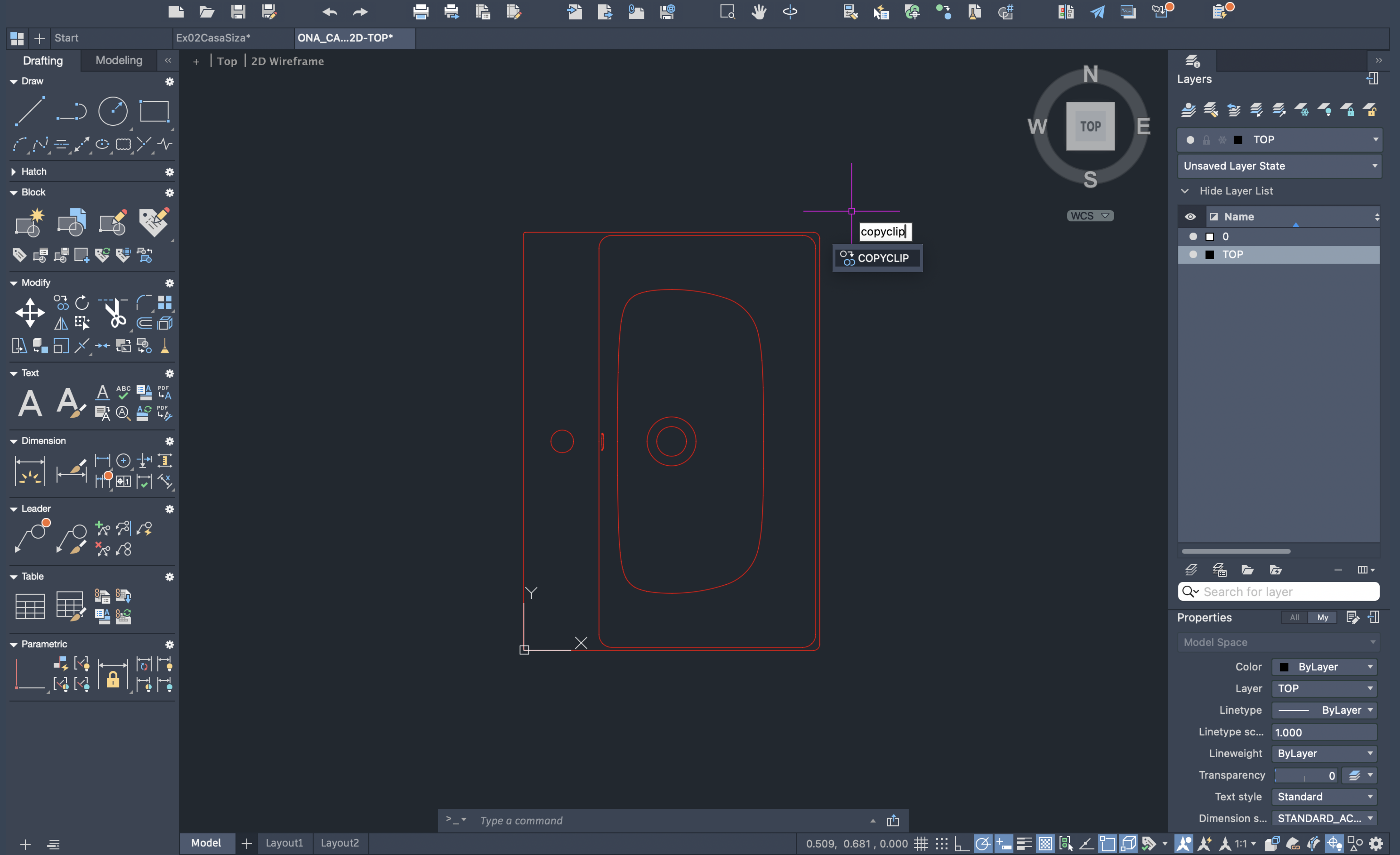
0

Text style

Standard

Dimension s...

STANDARD_AC...



Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric



Layers

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Texto Layout
Texto Model
TOP
Viewport

Search for layer

Properties

Model Space

Color ByLayer

Layer ViewPort PORM

Linetype ByLayer

Linetype sc... 1

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... ISO-25



Start Ex02CasaSiza* ONA_CA...2D-TOP*

Drafting Modeling << + | Top | 2D Wireframe

▼ Draw

▼ Hatch

▼ Block

▼ Modify

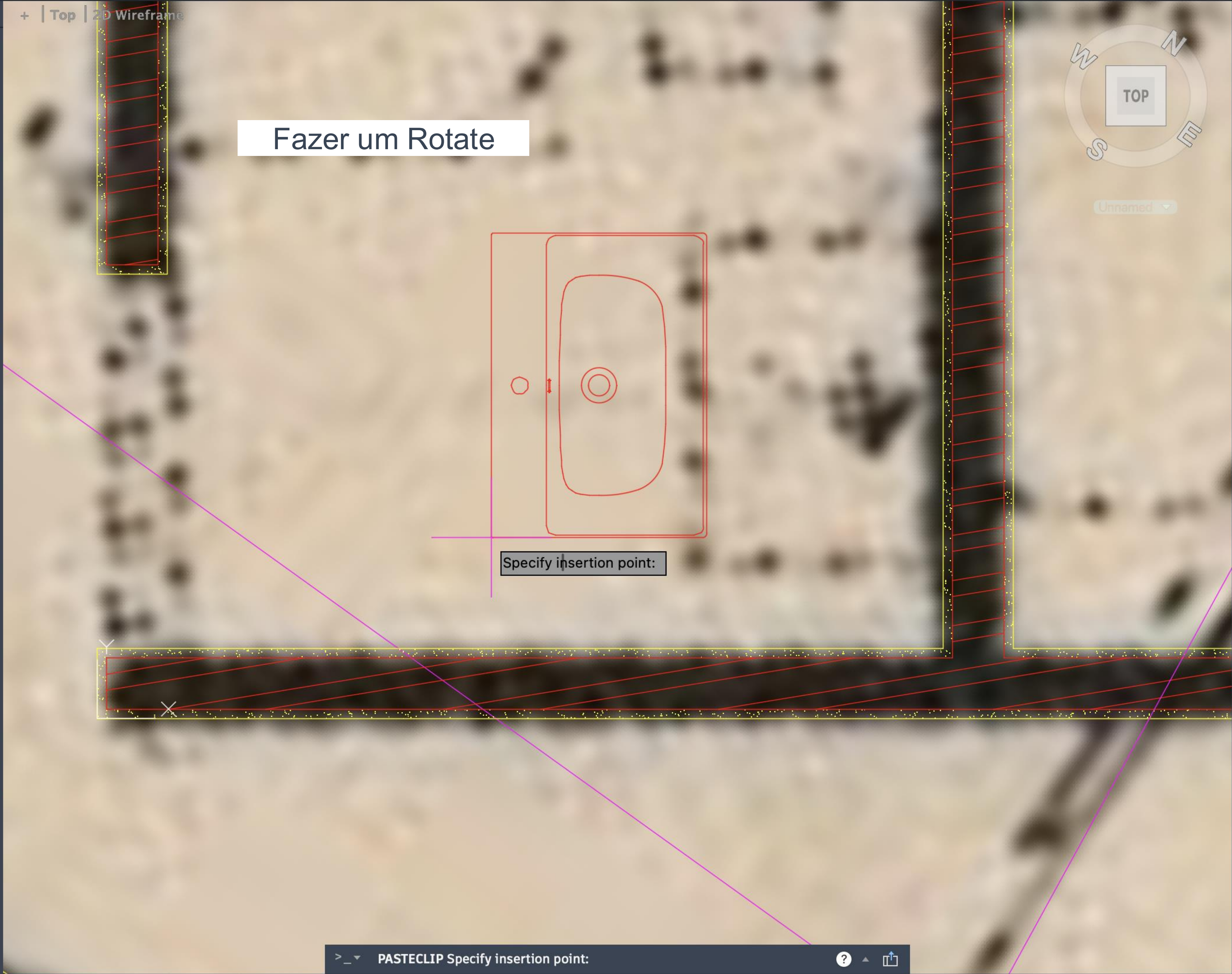
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Viewport PORM

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Texto Layout
Texto Model
TOP
Viewport

Search for layer

Properties

Model Space

Color ByLayer

Layer ViewPort PORM

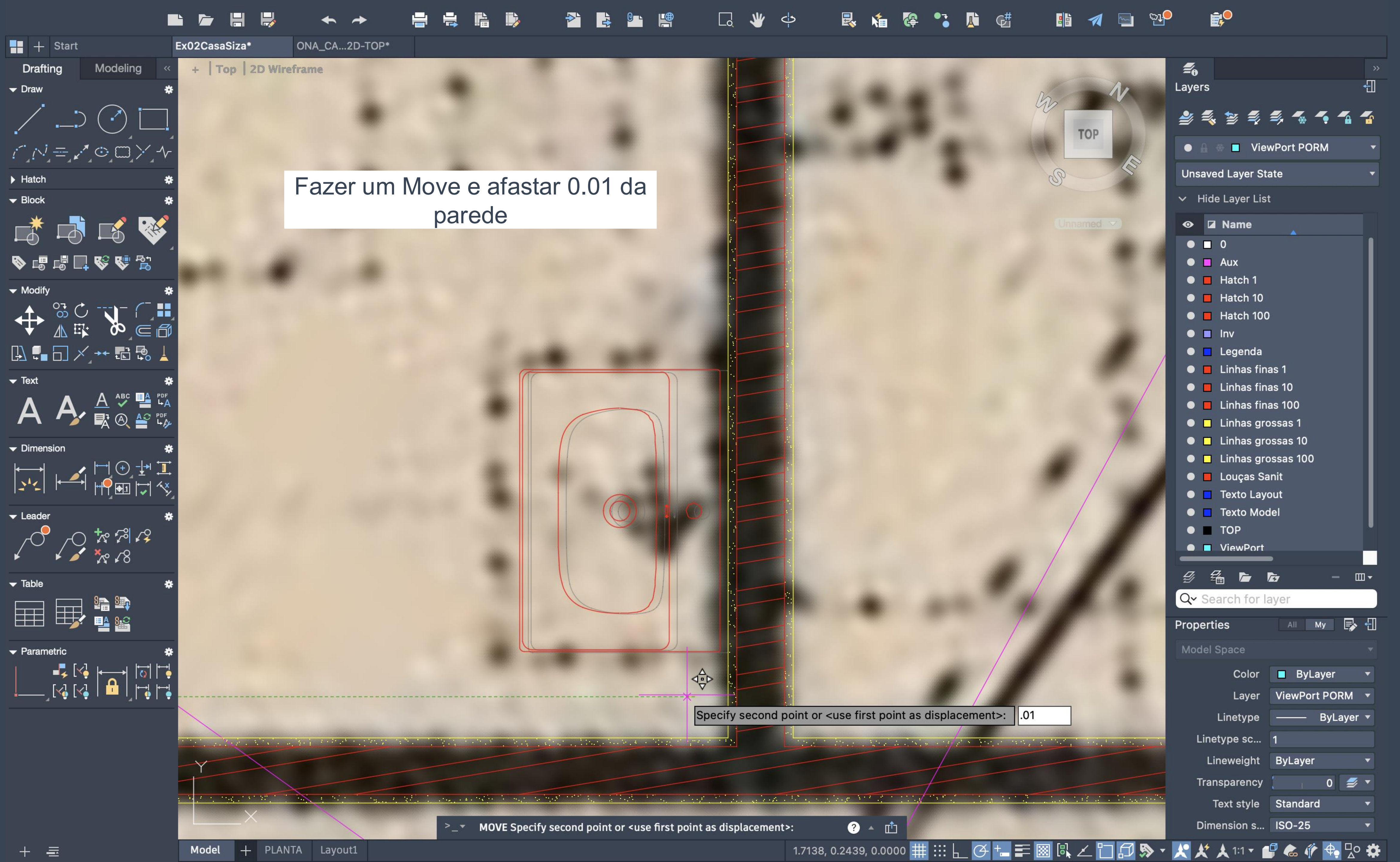
Linetype

LineWeight

Transparency

Text style Standard

Dimension s... ISO-25



Drafting | **Modeling** | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Polyline, Hatch, Block, Image, External Reference, Plot, Print, Save, Open, Recent, Command Line, Properties, Layers, Linetypes, Colors, Units, Settings, Help

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Isolate, Freeze, Thaw, Lock, Hide, Isolate, Freeze, Thaw

Text

- Text, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Linetype, Text Lineweight, Text Transparency, Text Dimension, Text Leader, Text Table, Text Table Style, Text Table Orientation, Text Table Color, Text Table Linetype, Text Table Lineweight, Text Table Transparency

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Linetype, Dimension Lineweight, Dimension Transparency, Dimension Dimension, Dimension Leader, Dimension Table, Dimension Table Style, Dimension Table Orientation, Dimension Table Color, Dimension Table Linetype, Dimension Table Lineweight, Dimension Table Transparency

Leader

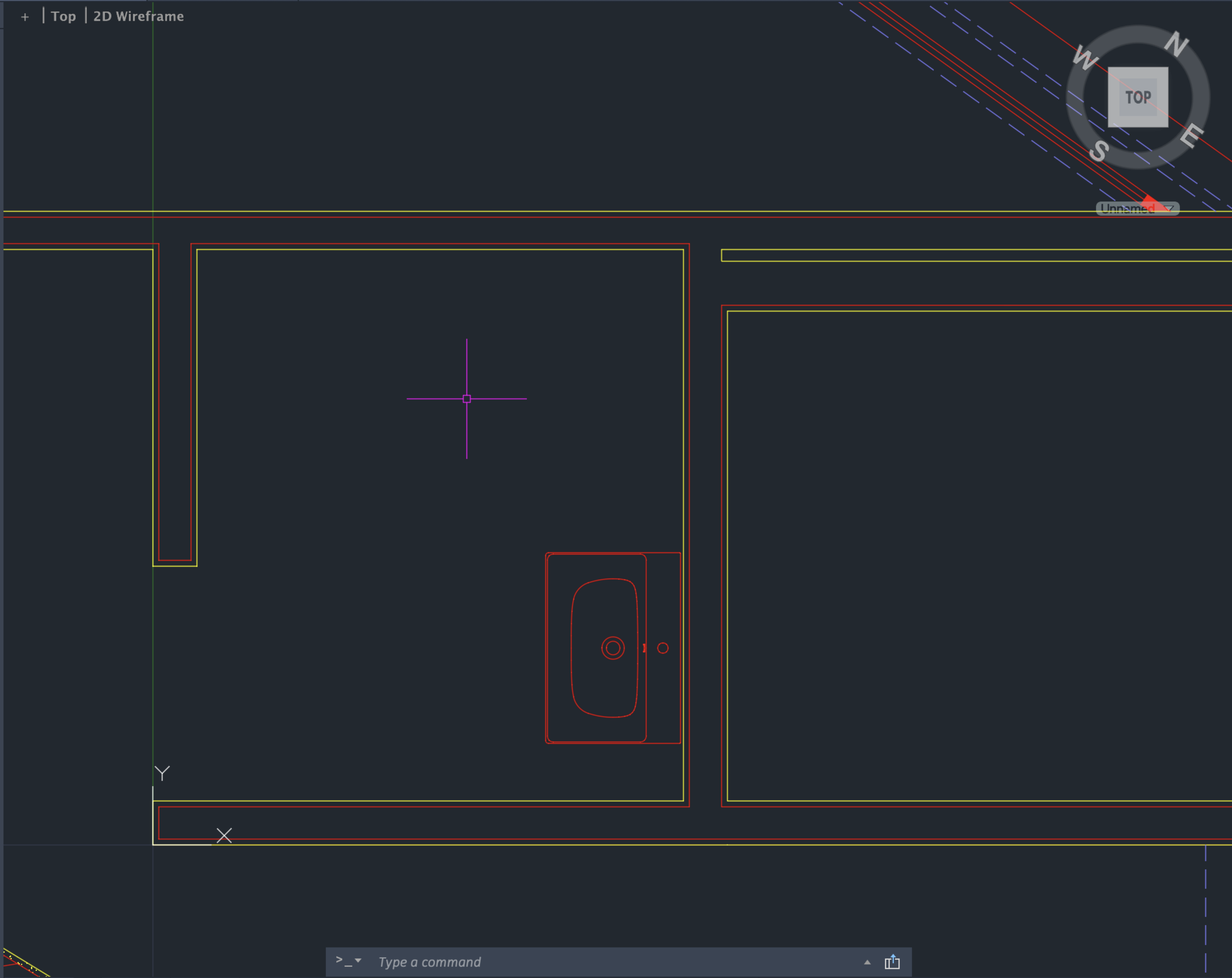
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Linetype, Leader Lineweight, Leader Transparency, Leader Leader, Leader Table, Leader Table Style, Leader Table Orientation, Leader Table Color, Leader Table Linetype, Leader Table Lineweight, Leader Table Transparency

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Linetype, Table Lineweight, Table Transparency, Table Table, Table Table Style, Table Table Orientation, Table Table Color, Table Table Linetype, Table Table Lineweight, Table Table Transparency

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Linetype, Parametric Lineweight, Parametric Transparency, Parametric Parametric, Parametric Table, Parametric Table Style, Parametric Table Orientation, Parametric Table Color, Parametric Table Linetype, Parametric Table Lineweight, Parametric Table Transparency



Layers

ViewPort PORM

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Texto Layout
Texto Model
TOP
ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: ViewPort PORM

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

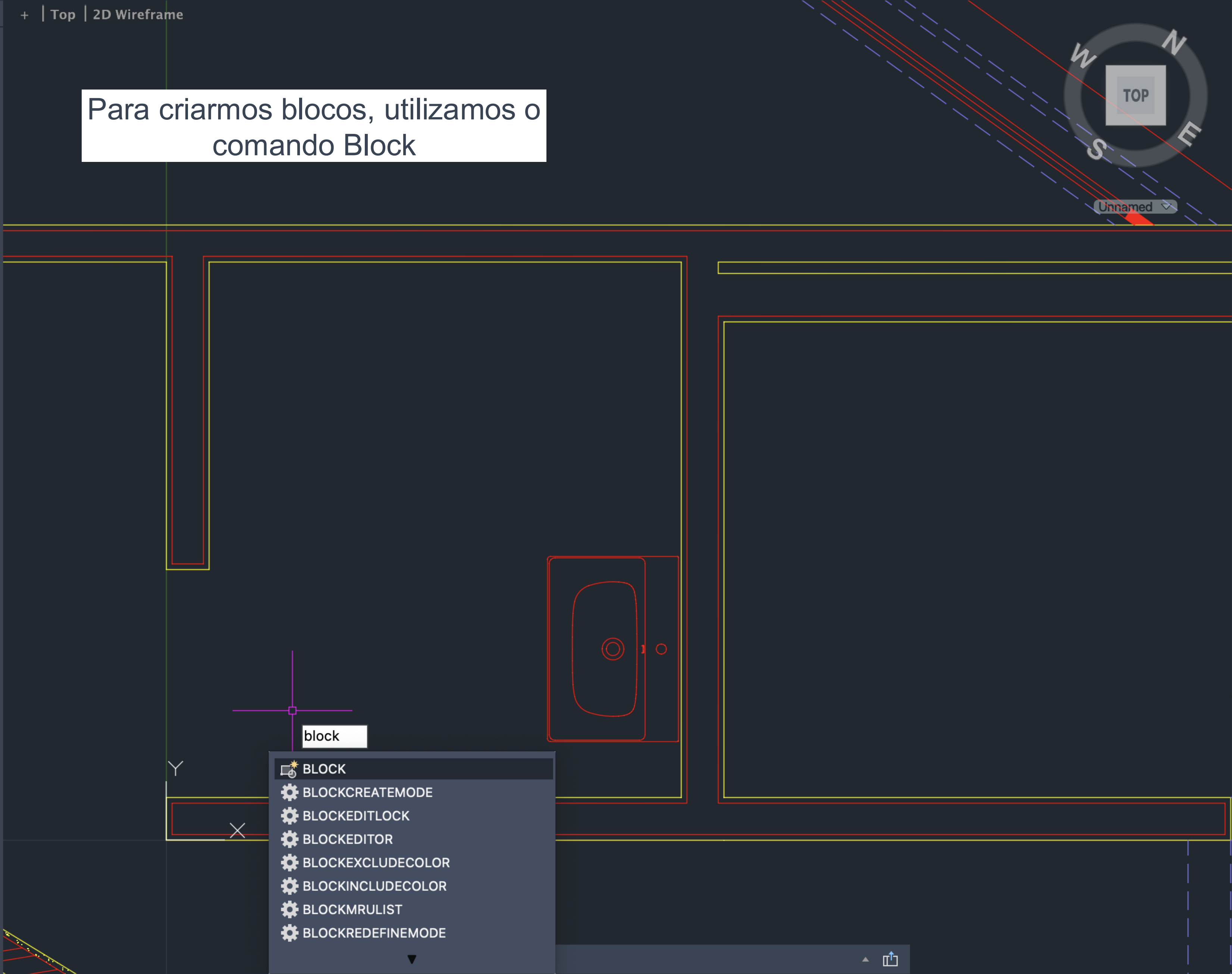
Text style: Standard

Dimension s...: ISO-25

Left sidebar with tool palettes:

- Drafting**
 - Draw
 - Hatch
 - Block
 - Modify
 - Text
 - Dimension
 - Leader
 - Table
 - Parametric

Para criarmos blocos, utilizamos o comando Block

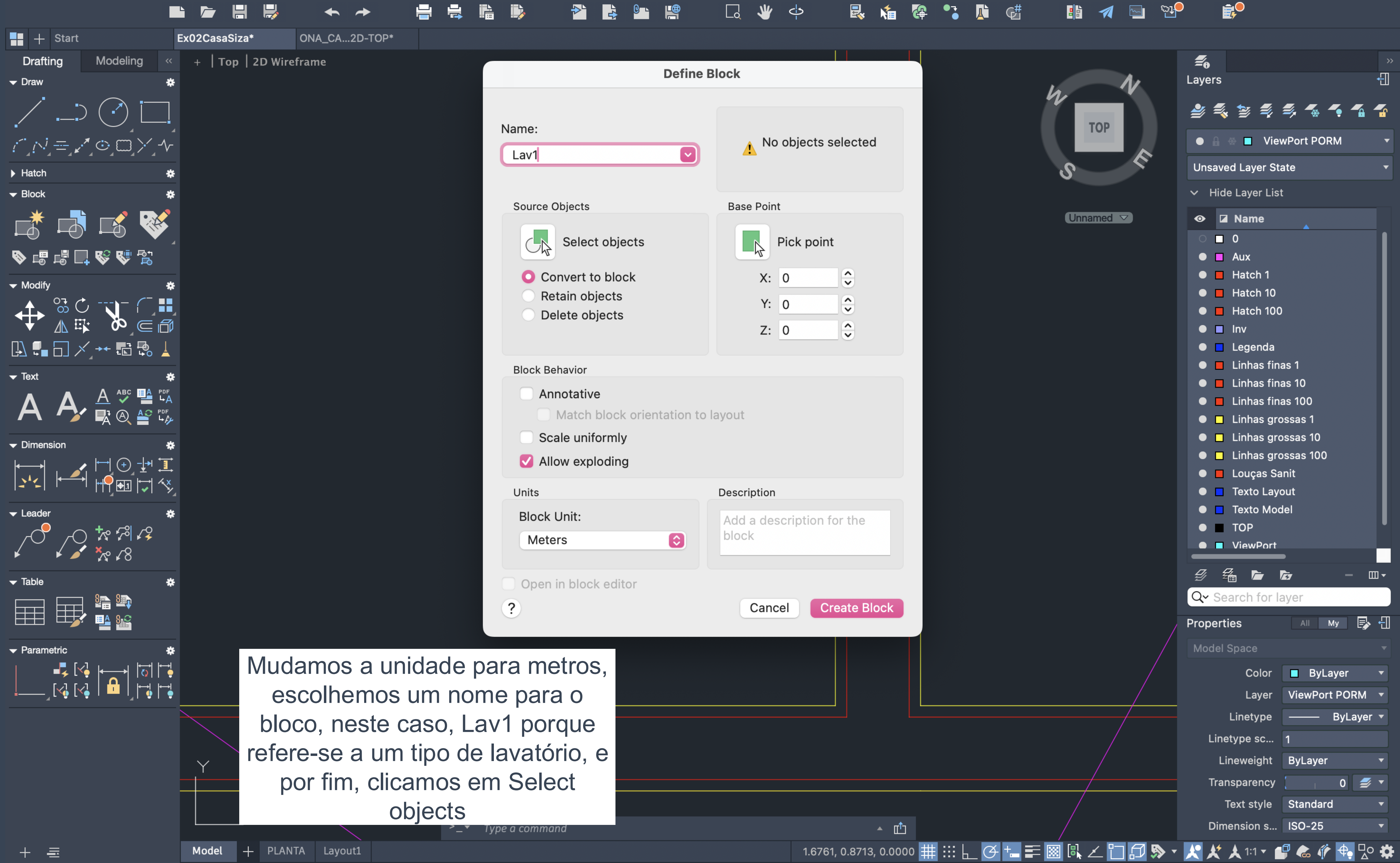


Right sidebar with panels:

- Layers**: Shows a list of layers including 0, Aux, Hatch 1, Hatch 10, Hatch 100, Inv, Legenda, Linhas finas 1, Linhas finas 10, Linhas finas 100, Linhas grossas 1, Linhas grossas 10, Linhas grossas 100, Louças Sanit, Texto Layout, Texto Model, TOP, and ViewPort. The current layer is ViewPort PORM.
- Properties**: Shows properties for the selected object (Model Space). Properties include Color (ByLayer), Layer (ViewPort PORM), Linetype (ByLayer), Linetype sc... (1), Lineweight (ByLayer), Transparency (0), Text style (Standard), and Dimension s... (ISO-25).

Context menu for the 'block' command:

- BLOCK
- BLOCKCREATEMODE
- BLOCKEDITLOCK
- BLOCKEDITOR
- BLOCKEXCLUDECOLOR
- BLOCKINCLUDECOLOR
- BLOCKMRULIST
- BLOCKREDEFINEMODE



Mudamos a unidade para metros, escolhemos um nome para o bloco, neste caso, Lav1 porque refere-se a um tipo de lavatório, e por fim, clicamos em Select objects

Left sidebar with tool palettes:

- Drafting** (selected)
- Modeling**
- Draw**: Line, Arc, Circle, Rectangle, etc.
- Hatch**: Hatch tool.
- Block**: Block tool.
- Modify**: Move, Rotate, Scale, etc.
- Text**: Text tool.
- Dimension**: Dimension tool.
- Leader**: Leader tool.
- Table**: Table tool.
- Parametric**: Parametric tool.

Selecionamos o objeto que
queremos criar o bloco e damos
enter



Select objects:

Right sidebar with panels:

- Layers**: Shows a list of layers including '0', 'Aux', 'Hatch 1', 'Hatch 10', 'Hatch 100', 'Inv', 'Legenda', 'Linhas finas 1', 'Linhas finas 10', 'Linhas finas 100', 'Linhas grossas 1', 'Linhas grossas 10', 'Linhas grossas 100', 'Louças Sanit', 'Texto Layout', 'Texto Model', 'TOP', and 'ViewPort'. The 'ViewPort PORM' layer is selected.
- Properties**: Shows properties for the selected layer, including Color (ByLayer), Layer (ViewPort PORM), Linetype (ByLayer), Linetype sc... (1), Lineweight (ByLayer), Transparency (0), Text style (Standard), and Dimension s... (ISO-25).

Start

Ex02CasaSiza*

ONA_CA...2D-TOP*

Drafting

Modeling

<<

+ | Top | 2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Define Block

Name:

Lav1

Source Objects

Select objects

Convert to block

Retain objects

Delete objects

23 objects selected

Base Point

Pick point

X: 0

Y: 0

Z: 0

Block Behavior

Annotative

Match block orientation to layout

Scale uniformly

Allow exploding

Units

Block Unit:

Meters

Description

Add a description for the block

Open in block editor

?

Cancel

Create Block

Layers

ViewPort PORM

Unsaved Layer State

Hide Layer List

Name

0

Aux

Hatch 1

Hatch 10

Hatch 100

Inv

Legenda

Linhas finas 1

Linhas finas 10

Linhas finas 100

Linhas grossas 1

Linhas grossas 10

Linhas grossas 100

Louças Sanit

Texto Layout

Texto Model

TOP

ViewPort

Search for layer

Properties

Model Space

Color

ByLayer

Layer

ViewPort PORM

Linetype

ByLayer

Linetype sc...

1

Lineweight

ByLayer

Transparency

0

Text style

Standard

Dimension s...

ISO-25

Model

PLANTA

Layout1

1.6978, 0.4892, 0.0000

Type a command

Clicar em Pick point

Drafting | Modeling | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Block, Image, etc.

Modify

- Move, Rotate, Scale, Stretch, Trim, Fillet, Chamfer, etc.

Text

- Single line, Multiline, Text style, etc.

Dimension

- Horizontal, Vertical, Angular, etc.

Leader

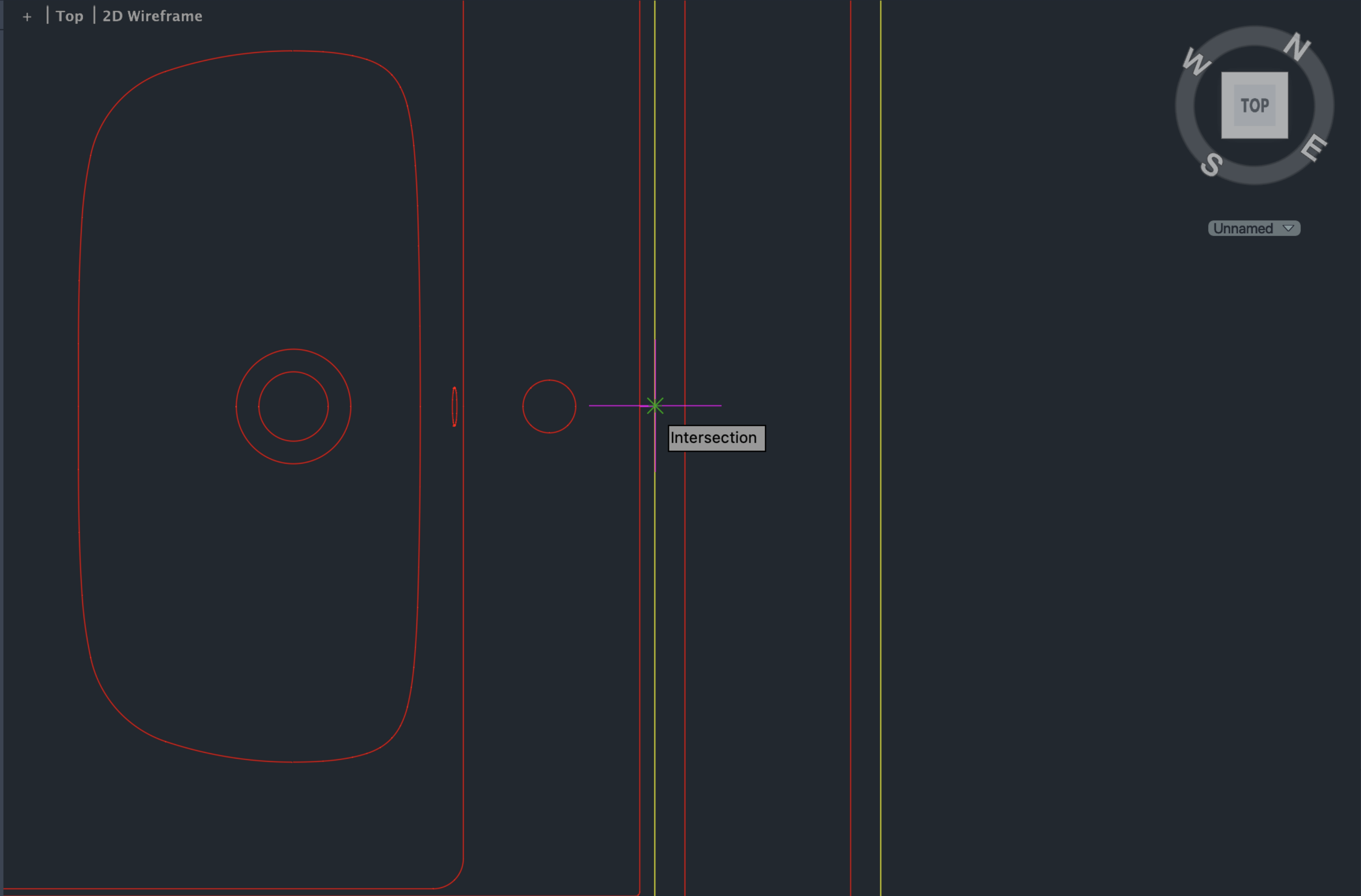
- Single, Multiple, etc.

Table

- Table, Table style, etc.

Parametric

- Parametric constraints (Horizontal, Vertical, etc.)



Layers

Viewport PORM

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Texto Layout
Texto Model
TOP
Viewport

Search for layer

Properties

Model Space

Color: ByLayer

Layer: ViewPort PORM

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

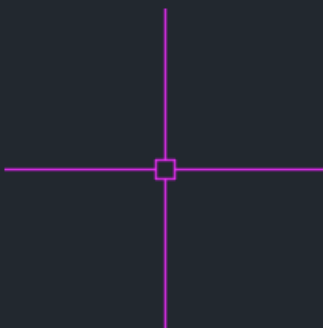
Text style: Standard

Dimension s...: ISO-25

Drafting | **Modeling** | << + | Top | 2D Wireframe

- Draw**
 - Line, Arc, Circle, Rectangle, etc.
- Hatch**
 - Hatch command icon
- Block**
 - Block command icon
- Modify**
 - Move, Rotate, Scale, etc.
- Text**
 - Text command icon
- Dimension**
 - Dimension command icon
- Leader**
 - Leader command icon
- Table**
 - Table command icon
- Parametric**
 - Parametric command icon

Após o bloco estra criado,
desaparece do Model



Layers

ViewPort PORM

Unsaved Layer State

Hide Layer List

Name
0
Aux
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Texto Layout
Texto Model
TOP
ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: ViewPort PORM

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Left sidebar containing tool palettes:

- Draw: Line, Arc, Circle, Rectangle, etc.
- Hatch: Pattern fill tools.
- Block: Insert, Modify, Delete tools.
- Modify: Move, Rotate, Scale, etc.
- Text: Text, Mtext, Text style tools.
- Dimension: Dimension line, Center mark, etc.
- Leader: Leader line, Callout, etc.
- Table: Table, Table style tools.
- Parametric: Parametric constraints.

Para buscarmos o bloco, basta usar o comando Insert ↵ (enter)

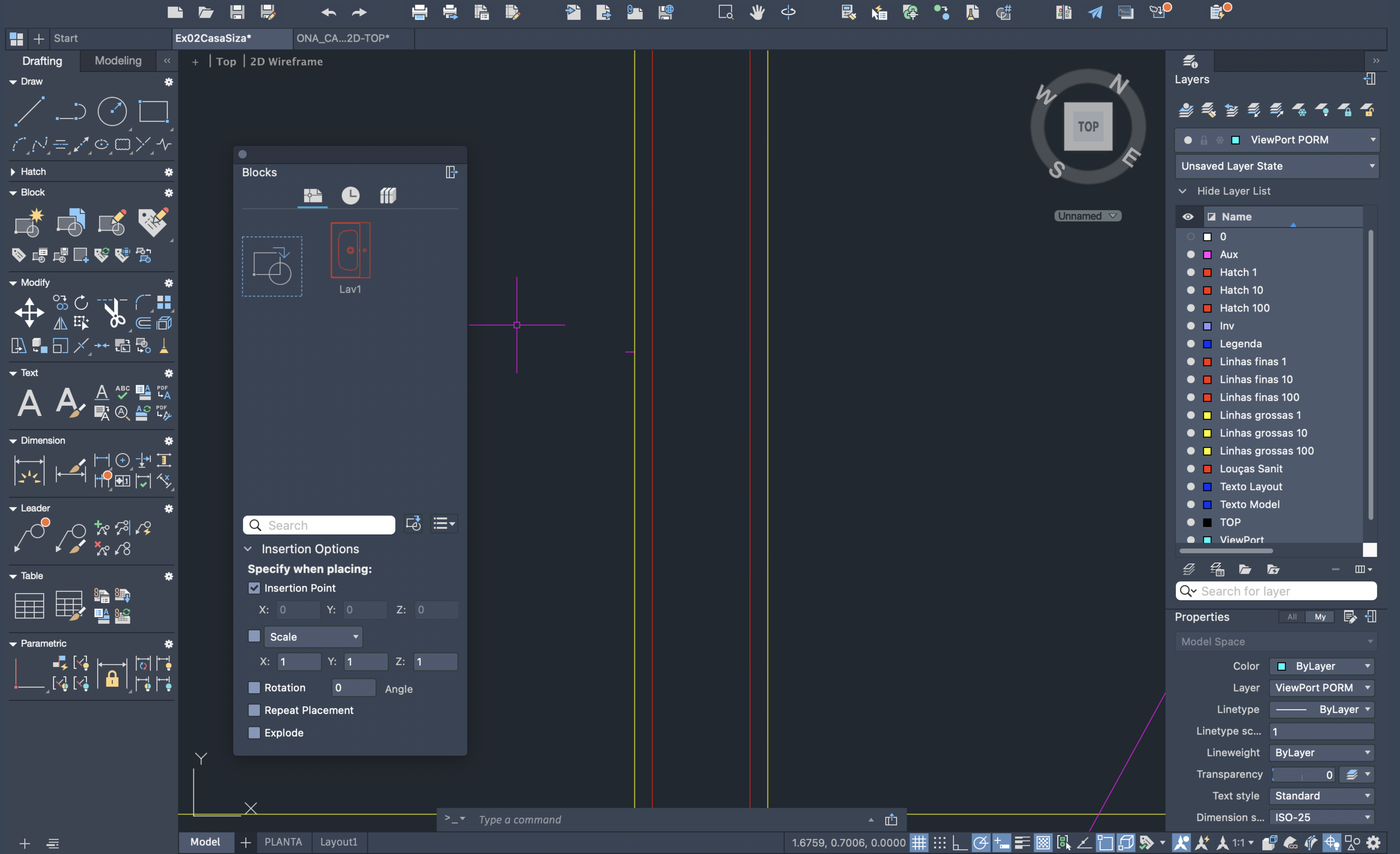
Command palette for 'inse' showing the following options:

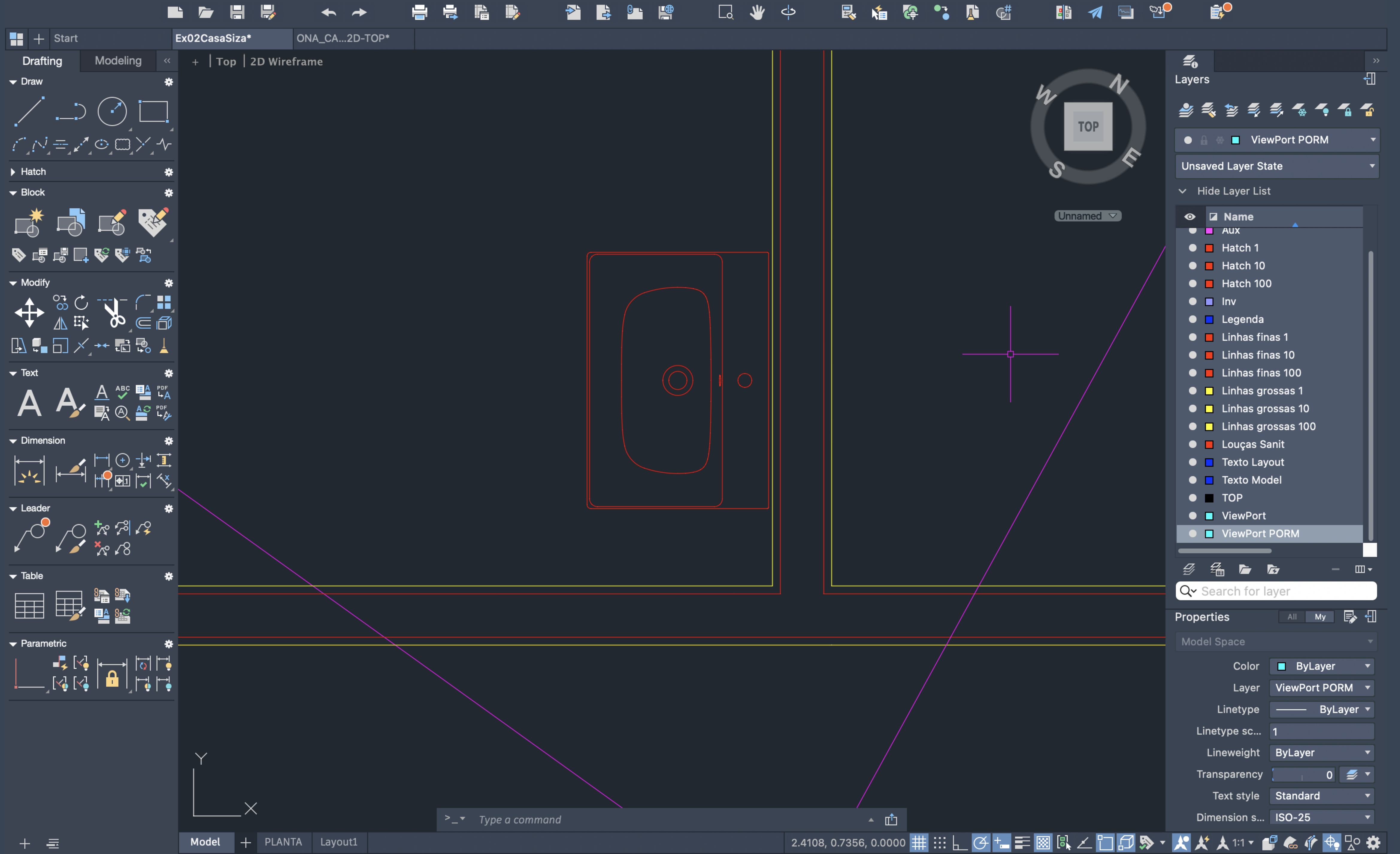
- INSERT
- INSERTCONTROLPOINT (CVADD)
- INSERT
- INSERTCONTENT
- CLASSICINSERT
- DDINSERT
- MININSERT
- TINSERT



Right sidebar containing panels:

- Layers: List of layers including 0, Aux, Hatch 1, Hatch 10, Hatch 100, Inv, Legenda, Linhas finas 1, Linhas finas 10, Linhas finas 100, Linhas grossas 1, Linhas grossas 10, Linhas grossas 100, Louças Sanit, Texto Layout, Texto Model, TOP, ViewPort.
- Properties: Model Space, Color (ByLayer), Layer (ViewPort PORM), Linetype (ByLayer), Linetype sc... (1), Lineweight (ByLayer), Transparency (0), Text style (Standard), Dimension s... (ISO-25).





Preço

Preço



Dimensões

Largura (mm) 700 - 1900



Comprimento (mm) 535 - 1350



Altura (mm) 20 - 800



Cores



Vythos
Banheira retangular acrílica dois lugares

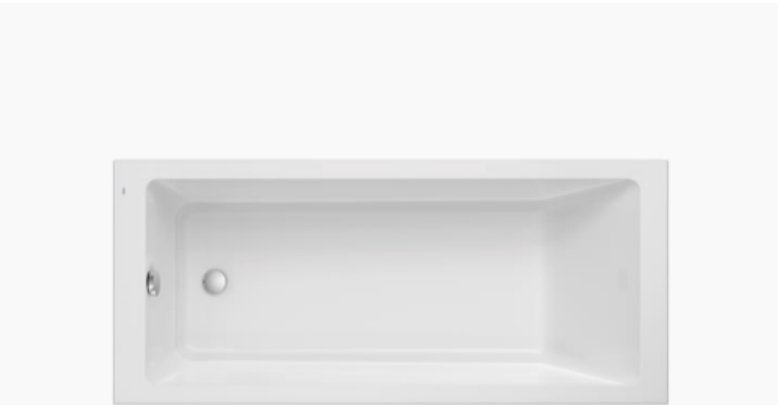
Ref: A248556000
1800 x 900 x 435
PRVP: 973,00 €



Vythos
Banheira acrílica retangular

Ref: A248552000
1700 x 750 x 435
PRVP: 636,00 €

Onde comprar Ver mais →



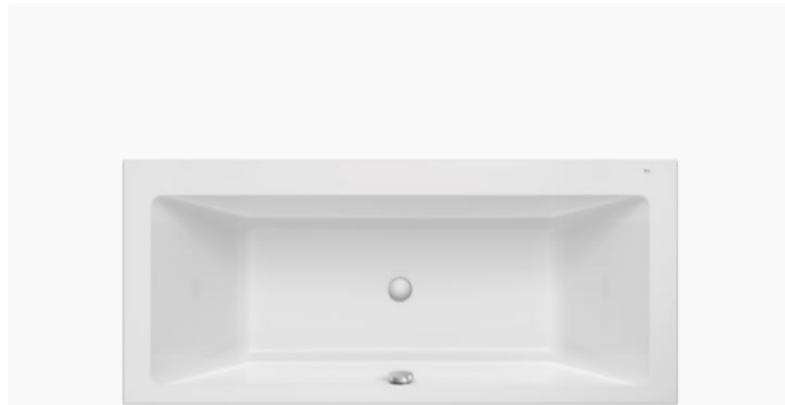
Vythos
Banheira acrílica 2 lugares

Ref: A248632000
1800 x 800 x 435
PRVP: 747,00 €



Vythos
Banheira retangular acrílica dois lugares

Ref: A248554000
1700 x 750 x 435
PRVP: 659,00 €



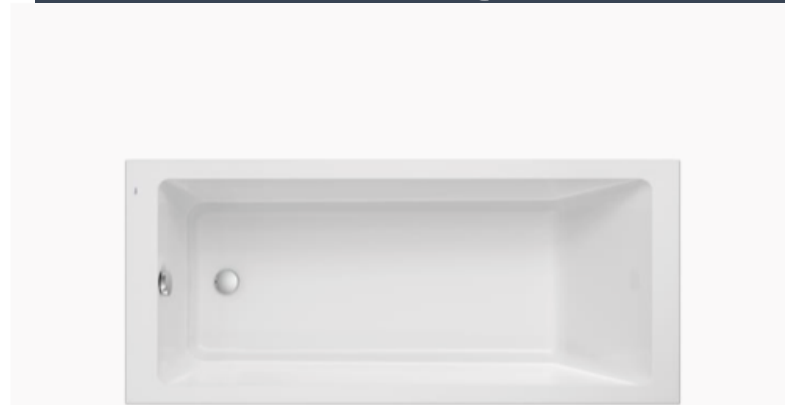
Vythos
Banheira retangular acrílica dois lugares

Ref: A248555000
1700 x 800 x 435
PRVP: 683,00 €



Vythos
Banheira acrílica retangular

Ref: A248550000
1700 x 700 x 435
PRVP: 613,00 €



Agora fazer o mesmo procedimento para as outras louças sanitárias



Start | Ex02CasaSiza* | ONA_CAD...D-TOP-2* | 2D_Top* | ONA_CA...2D-TOP*

Drafting | Modeling | << | Top | 2D Wireframe

Draw

Hatch

Block

Modify

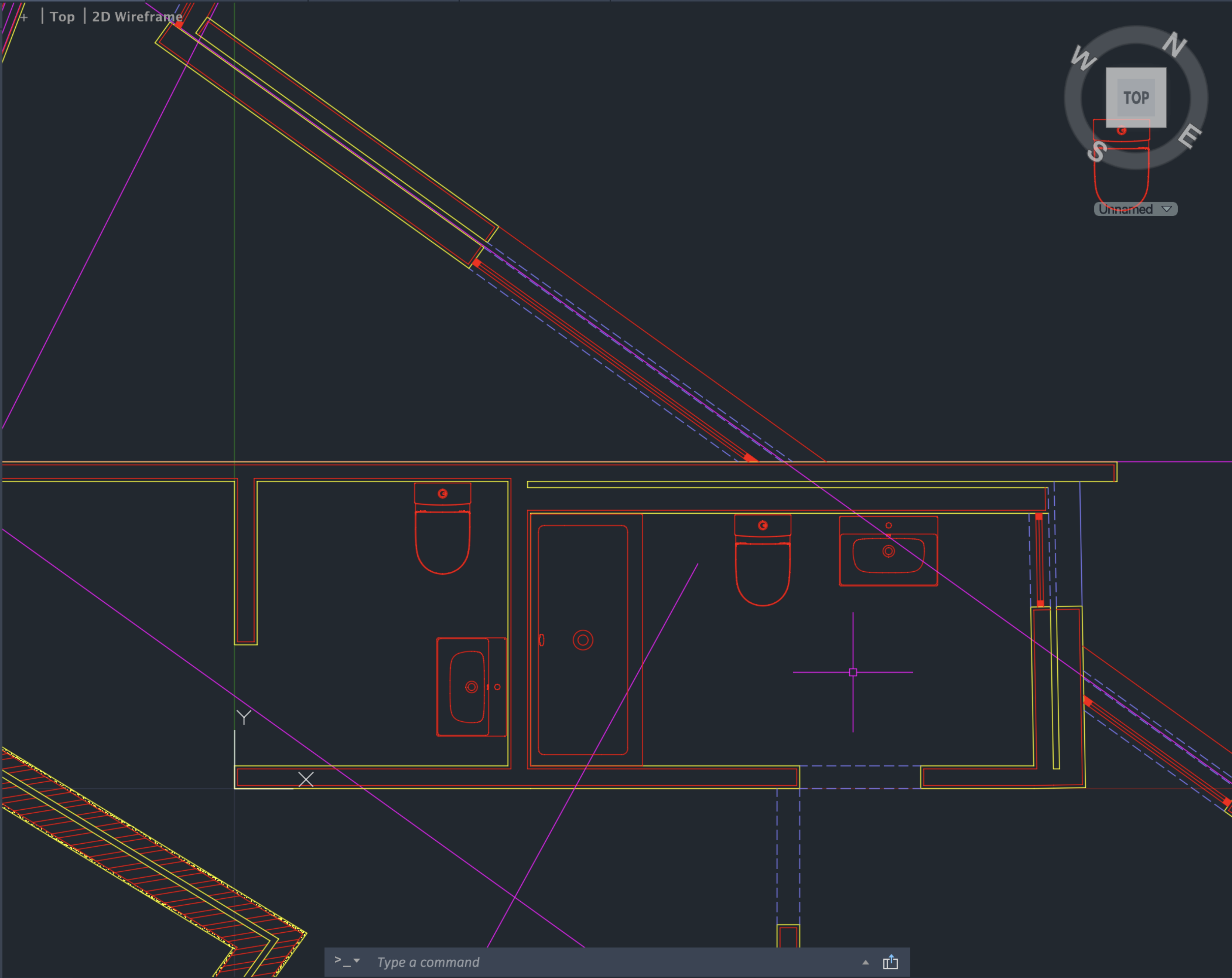
Text

Dimension

Leader

Table

Parametric



Layers

ViewPort PORM

Unsaved Layer State

Hide Layer List

Eye	Name
☐	0
☐	Aux
☐	Hatch 1
☐	Hatch 10
☐	Hatch 100
☐	Inv
☐	Legenda
☐	Linhas finas 1
☐	Linhas finas 10
☐	Linhas finas 100
☐	Linhas grossas 1
☐	Linhas grossas 10
☐	Linhas grossas 100
☐	Louças Sanit
☐	Texto Layout
☐	Texto Model
☐	TOP
☐	ViewPort

Search for layer

Properties

Model Space

Color: ByLayer

Layer: ViewPort PORM

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

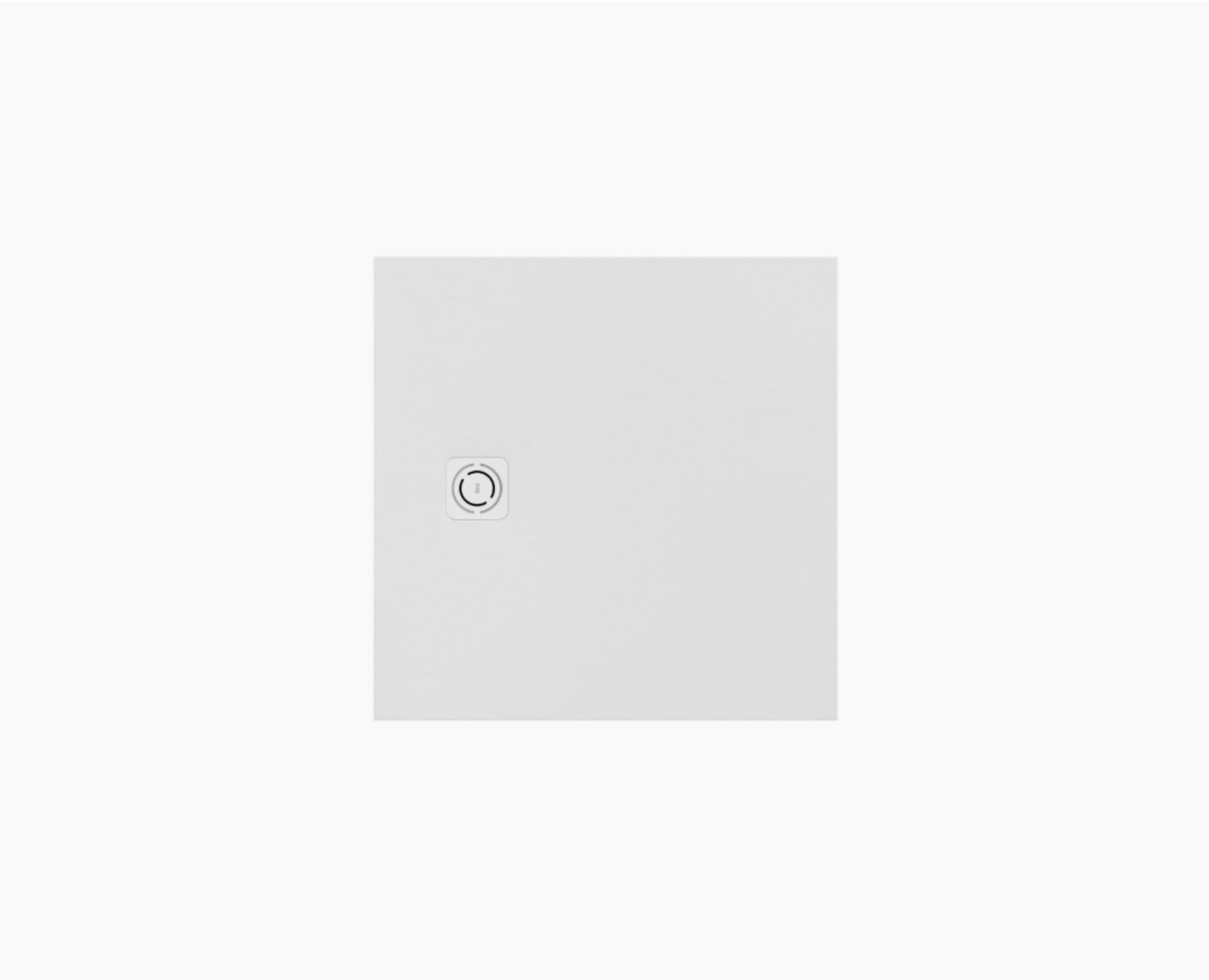
Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Início > Produtos > Bases de duche > Base de duche

← Voltar



Terran-N

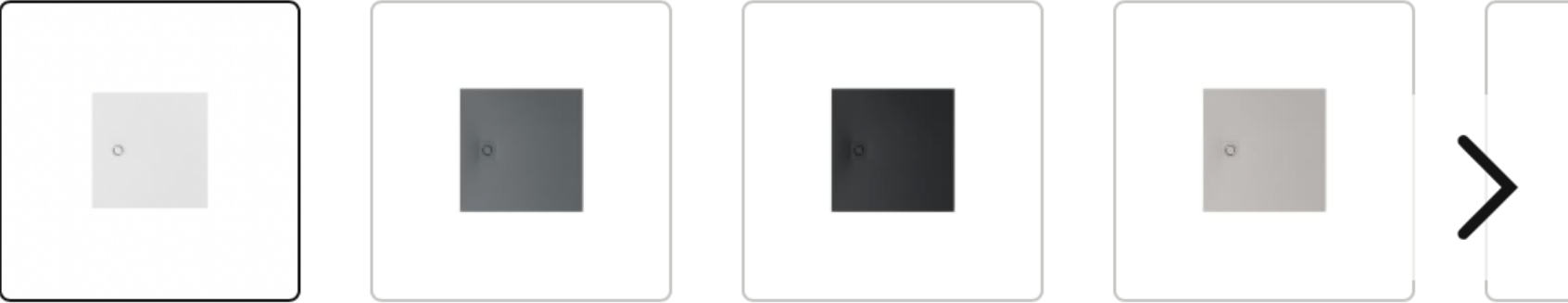


Bases de duche em STONEX®

REF: APA0132032001100

PRVP (SEM IVA)

284,00 €



10 - Branco

Medidas (comprimento, largura, altura)

800 x 800 x 26 mm

↓ Ficha de produto (pdf) [] Ver medidas completas

Onde comprar

Start

Ex02CasaSiza*

2D_TOP_TD*

ONA_CA...D-TOP-3*

ONA_CA...D-TOP-2*

2D_Top*

ONA_CA...2D-TOP*

Drafting

Modeling

<<

+ | Top | 2D Wireframe

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

W

N

S

E

TOP

Unnamed

Layers

Unsaved Layer State

Hide Layer List

Name

0

Aux

Hatch 1

Hatch 10

Hatch 100

Inv

Legenda

Linhas finas 1

Linhas finas 10

Linhas finas 100

Linhas grossas 1

Linhas grossas 10

Linhas grossas 100

Louças Sanit

Texto Layout

Texto Model

TOP

ViewPort

Search for layer

Properties

Model Space

Color ByLayer

Layer ViewPort PORM

Linetype ByLayer

Linetype sc... 1

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... ISO-25

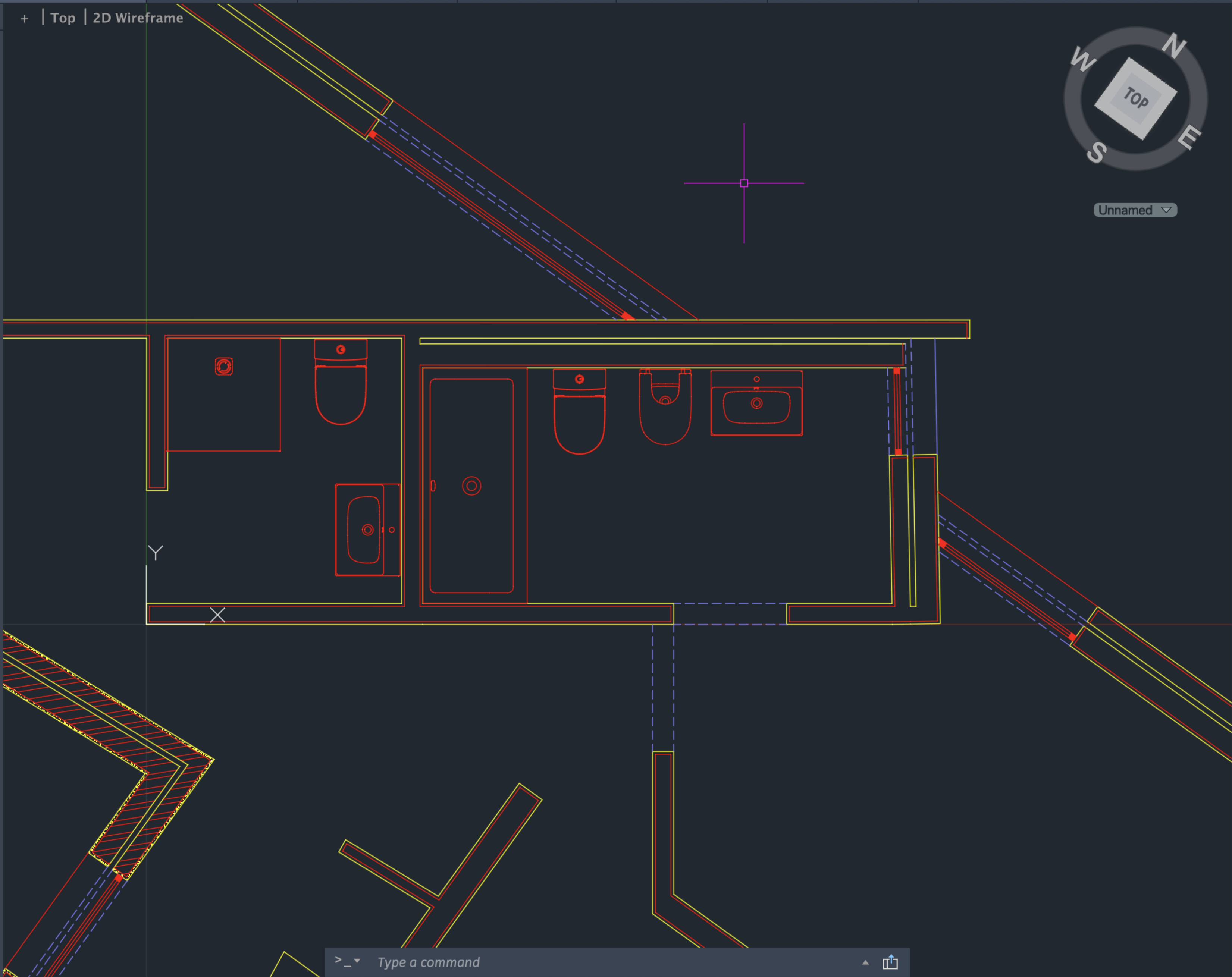
>_ Type a command

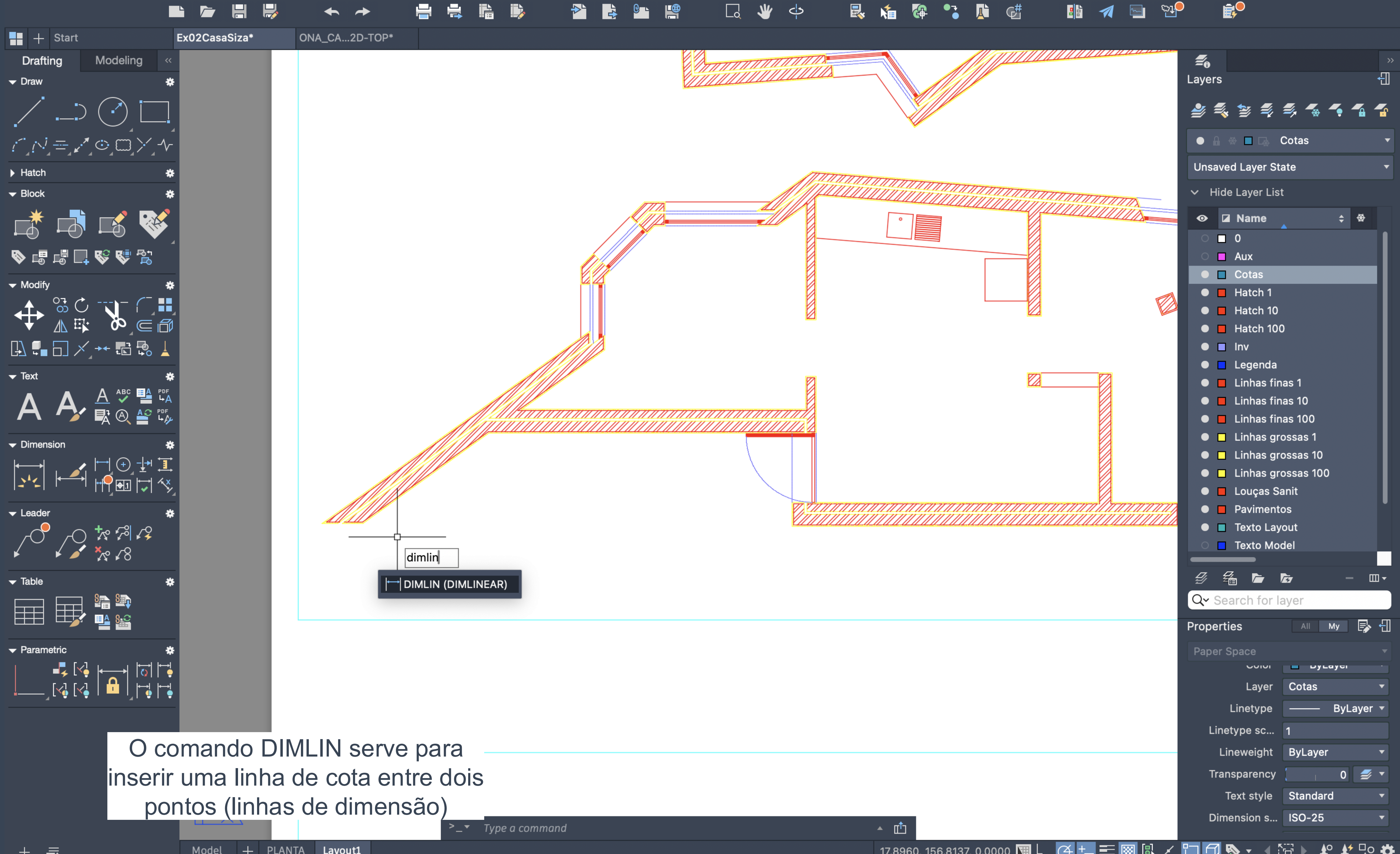
4.2353, 3.1190, 0.0000

Model

PLANTA

Layout1





O comando DIMLIN serve para inserir uma linha de cota entre dois pontos (linhas de dimensão)

Drafting | Modeling <<

▼ Draw

Hatch

▼ Block

▼ Modify

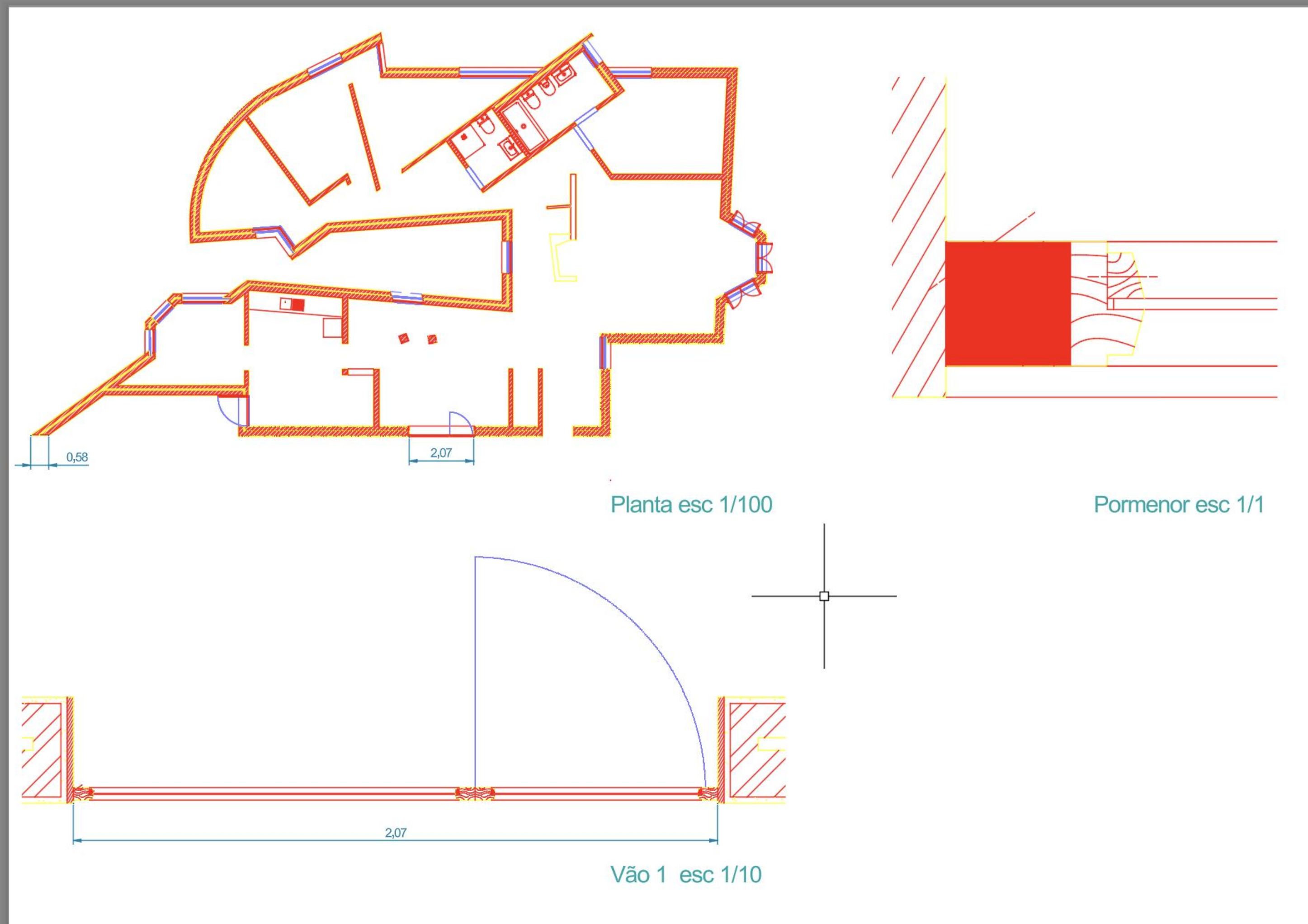
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

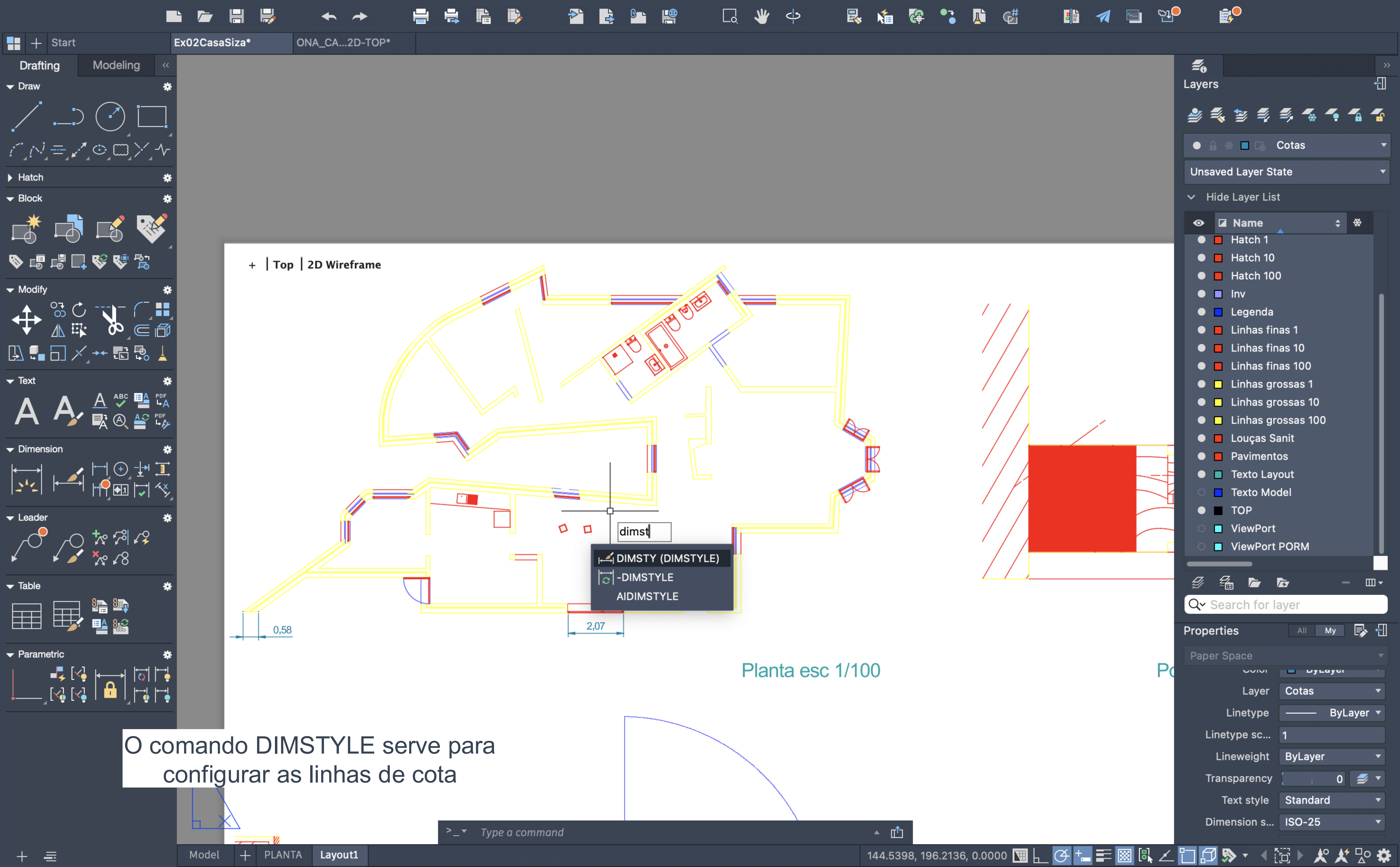
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25



O comando DIMSTYLE serve para configurar as linhas de cota

Drafting | **Modeling** | <<

Draw

- Line, Arc, Circle, Rectangle, etc.

Hatch

Block

Modify

- Move, Rotate, Scale, etc.

Text

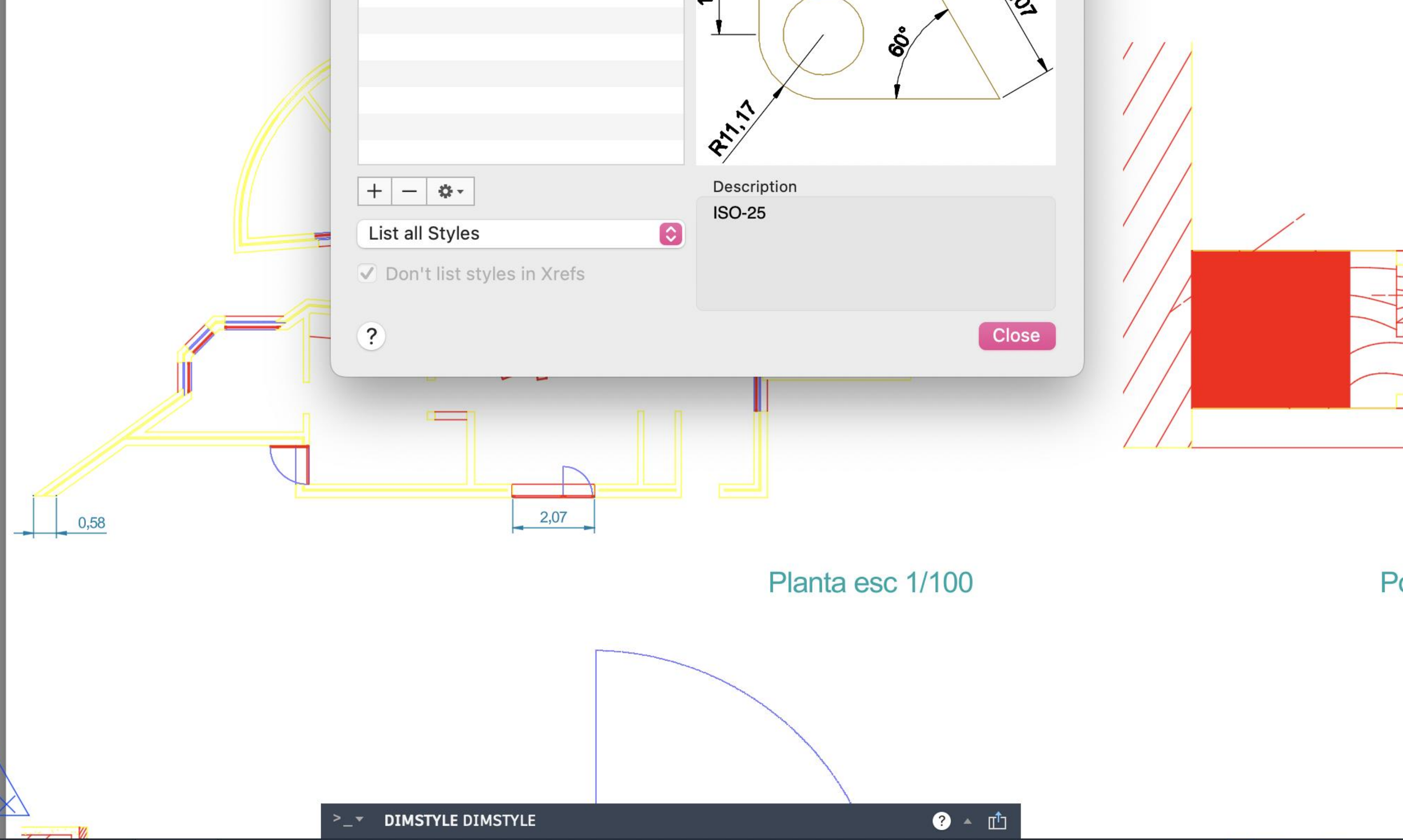
Dimension

Leader

Table

Parametric

+ | Top | 2D Wireframe



Dimension Style Manager

Current dimension style: ISO-25

Styles:

- Annotative
- ISO-25**
- Standard
- STANDARD_ACAD

Preview of: ISO-25

Description: ISO-25

Buttons: +, -, Settings, List all Styles, Don't list styles in Xrefs, Close

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Drafting | Modeling <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

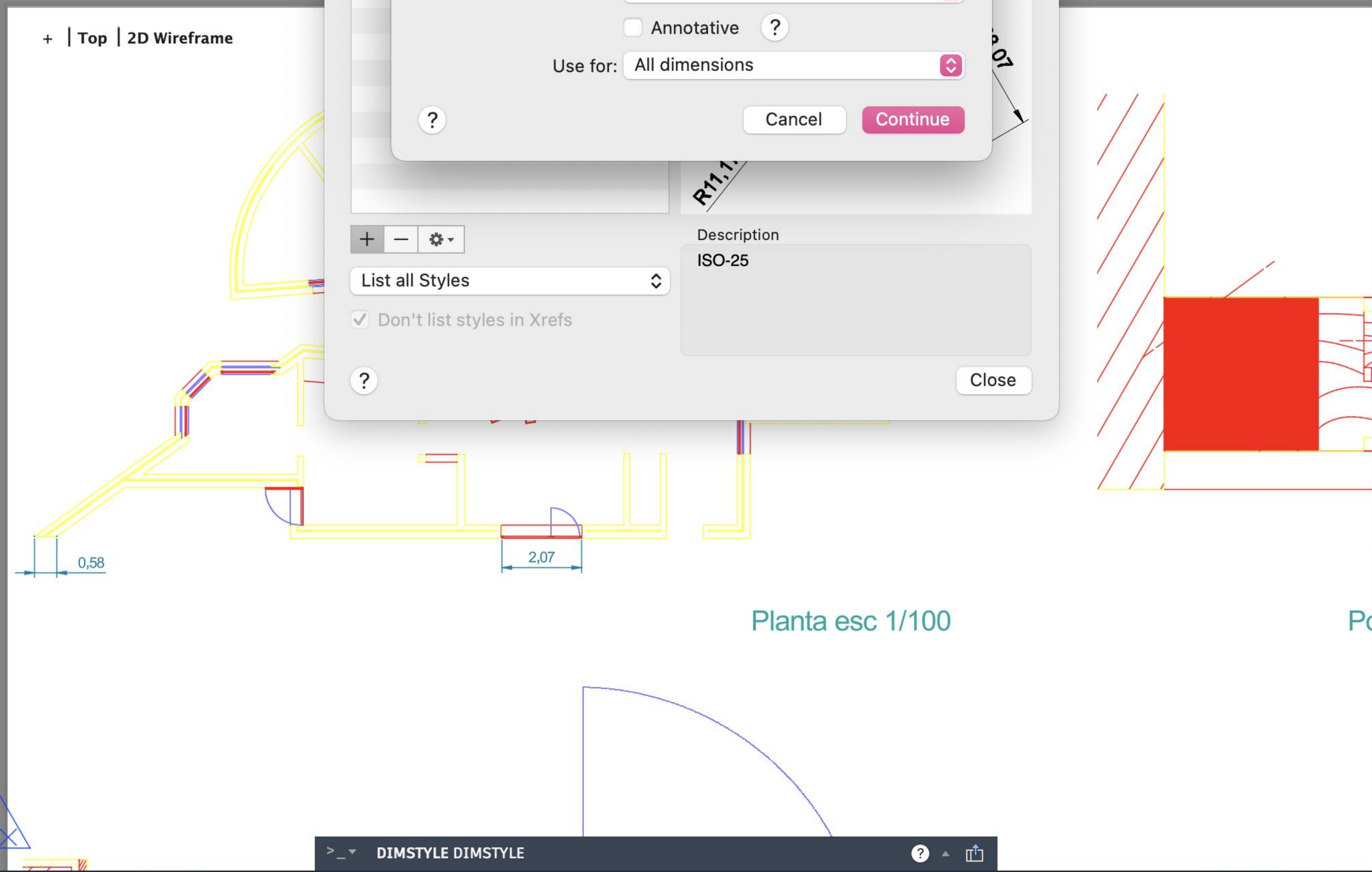
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Dimension Style Manager

Create New Dimension Style

New Style Name: Copy of ISO-25

Start With: ISO-25

☐ Annotative ?

Use for: All dimensions

Cancel Continue

Close

ISO-25

Don't list styles in Xrefs

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Layer: Cotas

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25

Drafting | Modeling <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

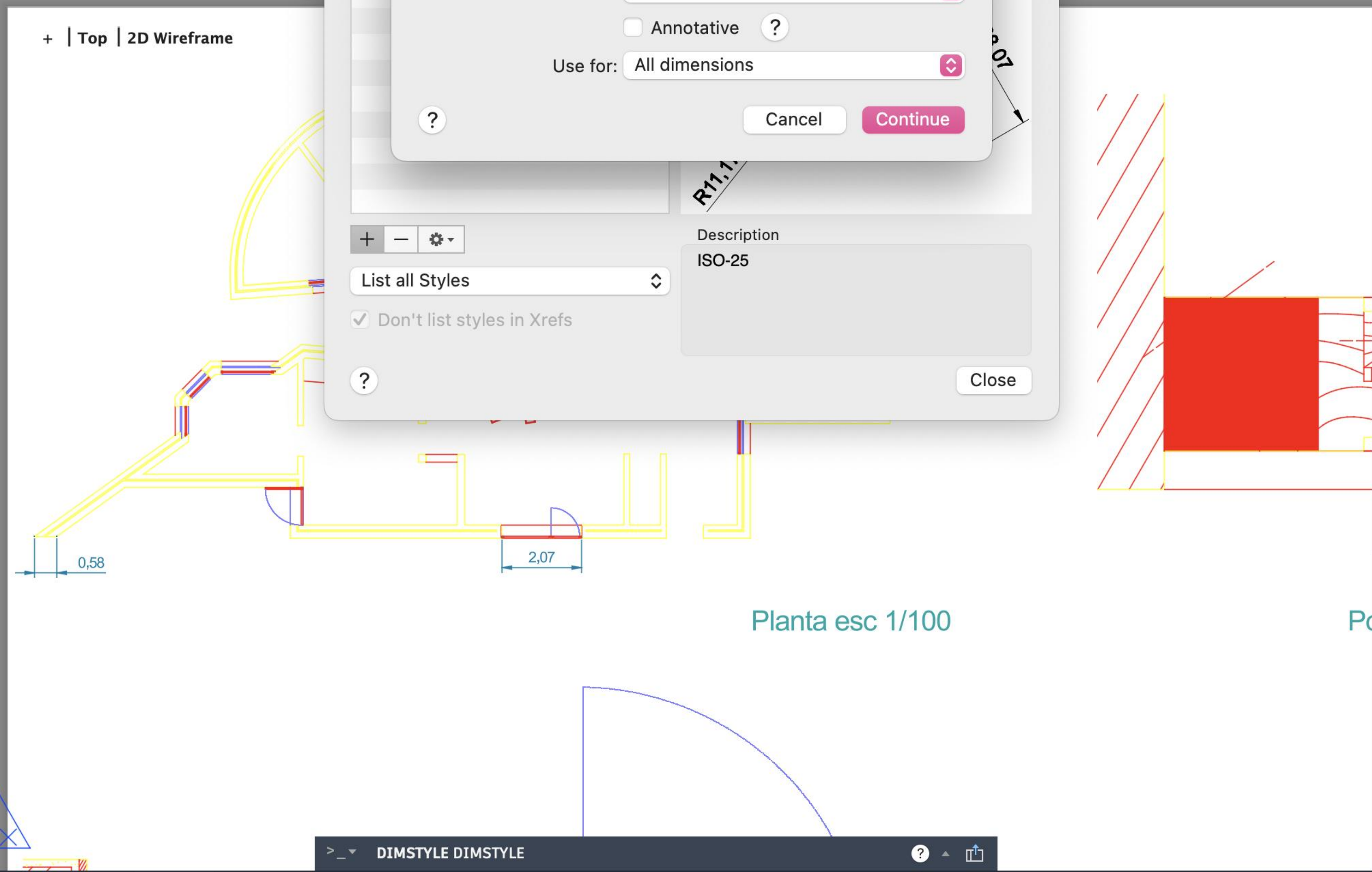
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Dimension Style Manager

Create New Dimension Style

New Style Name: Cotas Turma

Start With: ISO-25

☐ Annotative

Use for: All dimensions

Cancel Continue

Close

ISO-25

Don't list styles in Xrefs

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Properties

Paper Space

Layer: Cotas

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25



Start Ex02CasaSiza* ONA_CA...2D-TOP*

Drafting | **Modeling** | <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric

New Dimension Style: Cotas Turma I

Lines | **Symbols and Arrows** | Text | Fit | Primary Units | Alternate Units | Tolerances

Arrowheads

First: Closed filled
Second: Closed filled
Leader: Closed filled
Arrow size: 2.5

Dimension Break

Break size: 3.75

Center Marks

Type: ☐ None ☒ Mark ☐ Line
Size: 2.5

Radius Jog Dimension

Jog angle: 45

Arc Length Symbol

☒ Preceding dimension text
☐ Above dimension text
☐ None

Linear Jog Dimension

Jog height factor: 1.5 * Text height

Cancel OK

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Properties

Paper Space

Layer: Cotas

Linetype: ByLayer

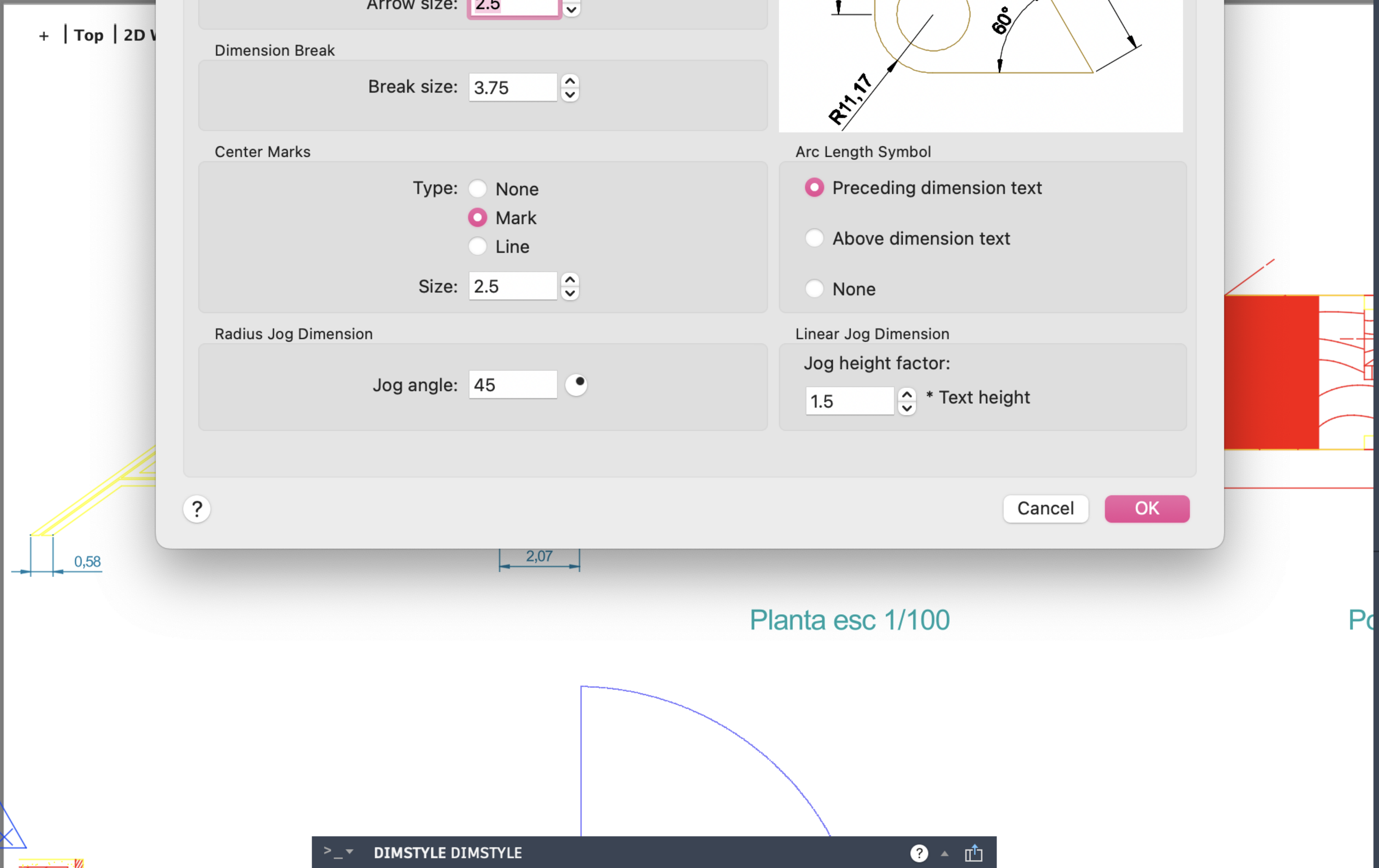
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25





Start Ex02CasaSiza* ONA_CA...2D-TOP*

Drafting Modeling

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

New Dimension Style: Cotas Turma I

Lines Symbols and Arrows Text Fit Primary Units Alternate Units Tolerances

Arrowheads

First: Architectural tick

Second: Architectural tick

Leader: Closed filled

Arrow size: 2.5

Dimension Break

Break size: 3.75

Center Marks

Type: ☐ None ☒ Mark ☐ Line

Size: 2.5

Radius Jog Dimension

Jog angle: 45

Arc Length Symbol

☒ Preceding dimension text

☐ Above dimension text

☐ None

Linear Jog Dimension

Jog height factor: 1.5 * Text height

Cancel OK

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name

- Hatch 1
- Hatch 10
- Hatch 100
- Inv
- Legenda
- Linhas finas 1
- Linhas finas 10
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- Louças Sanit
- Pavimentos
- Texto Layout
- Texto Model
- TOP
- ViewPort
- ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

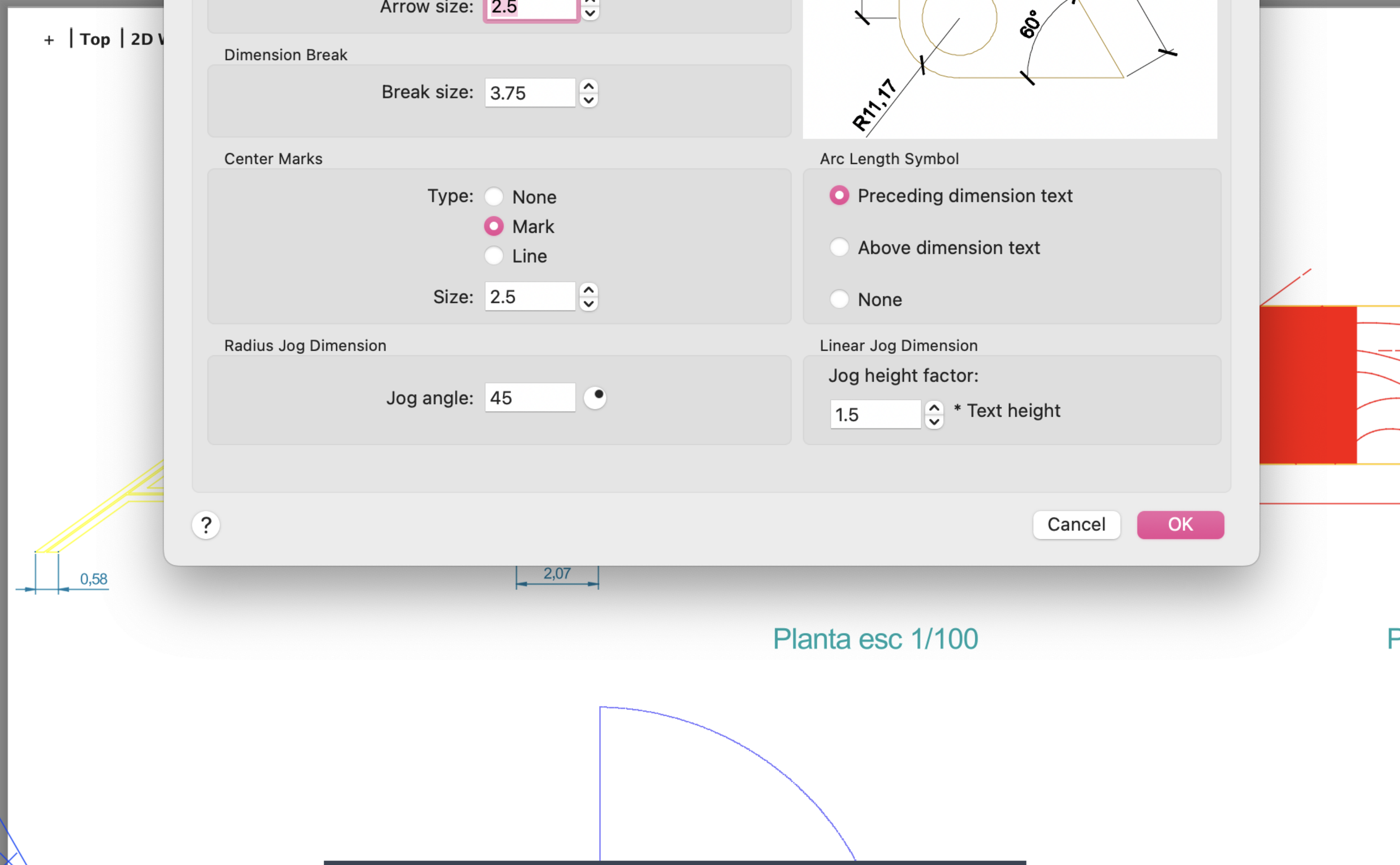
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: ISO-25



Drafting | **Modeling** | <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric

New Dimension Style: Cotas Turma I

Lines | Symbols and Arrows | Text | Fit | Primary Units | Alternate Units | Tolerances

Dimension Lines

Color: ☐ ByBlock

Linetype: ☐ ByBlock

Lineweight: ByBlock

Extend beyond ticks: 2

Baseline spacing: 3.75

Suppress: ☐ Dimension line 1
☐ Dimension line 2

Extension Lines

Color: ☐ ByBlock

Linetype ext line 1: ☐ ByBlock

Linetype ext line 2: ☐ ByBlock

Lineweight: ByBlock

Suppress: ☐ Extension line 1
☐ Extension line 2

Position and Length

Extend beyond dim lines: 1.25

Offset from origin: 0.625

☐ Fixed length extension lines
Length: 1

Cancel OK

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

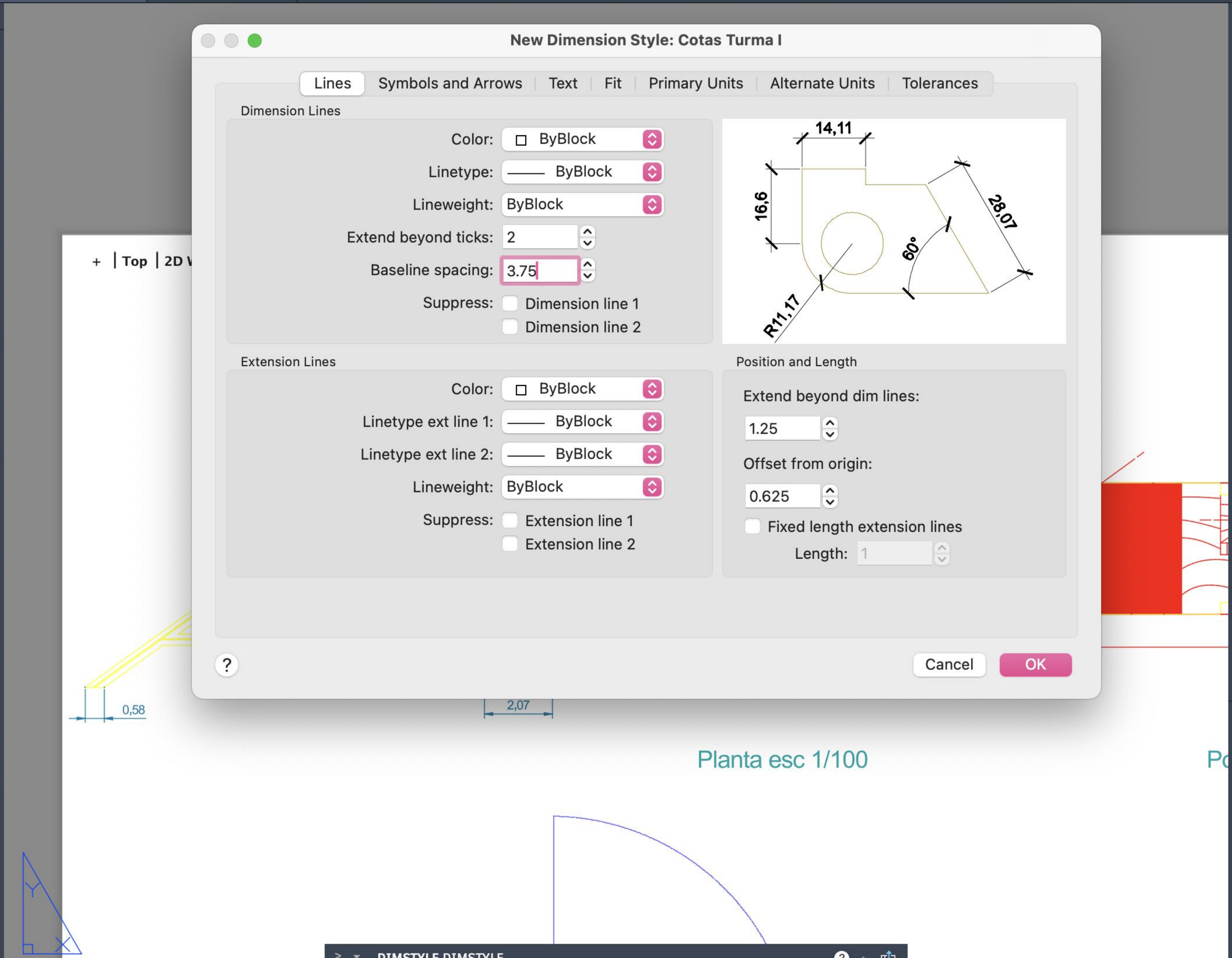
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

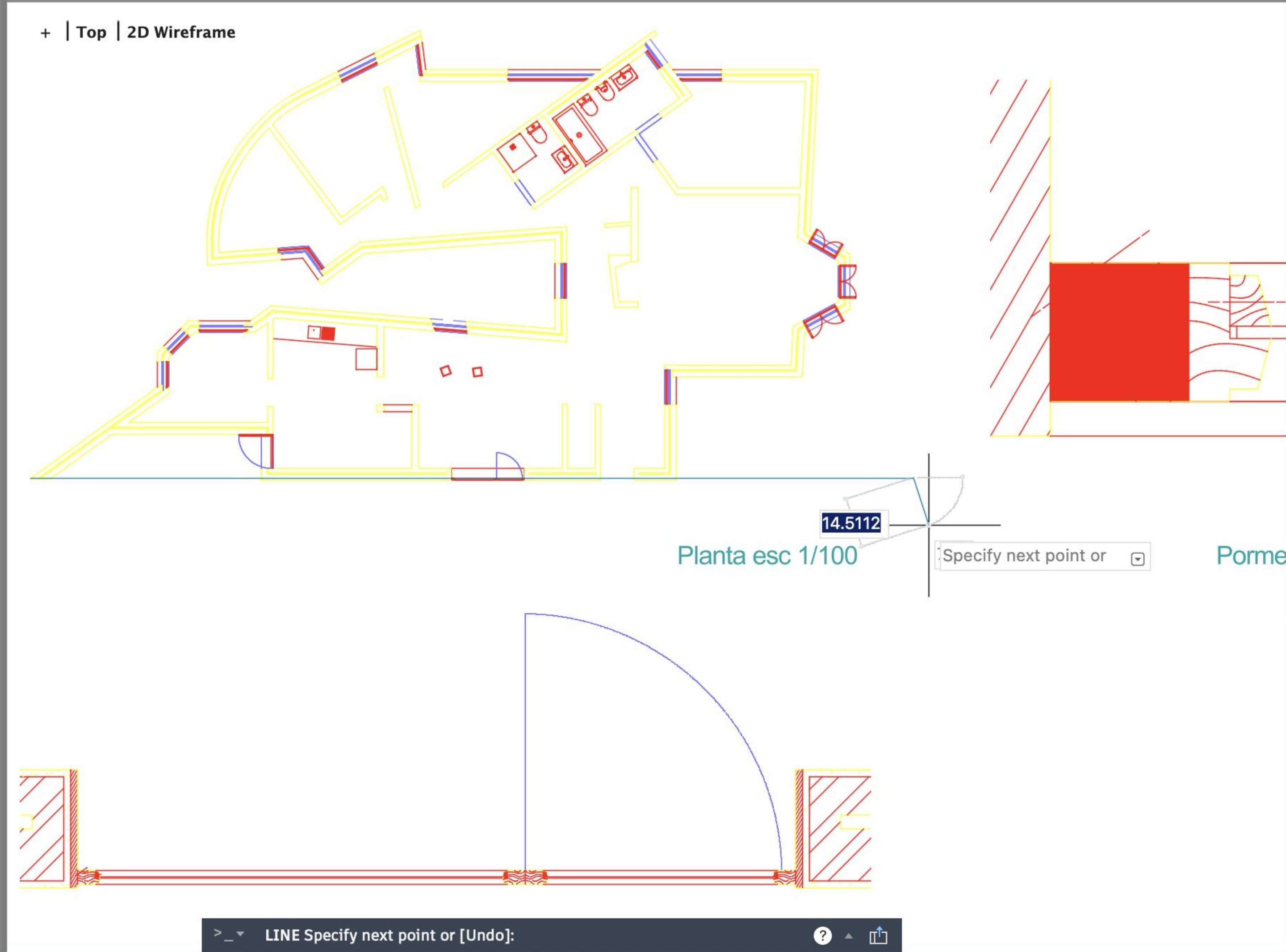
Text style: Standard

Dimension s...: ISO-25



Left sidebar containing tool palettes:

- Draw**: Line, Arc, Circle, Rectangle, etc.
- Hatch**: Hatch tool.
- Block**: Block tool.
- Modify**: Move, Rotate, Scale, etc.
- Text**: Text, Mtext, etc.
- Dimension**: Dimension tools.
- Leader**: Leader tool.
- Table**: Table tool.
- Parametric**: Parametric tools.



Right sidebar containing panels:

- Layers**: List of layers including Hatch 1, Hatch 10, Hatch 100, Inv, Legenda, Linhas finas 1, Linhas finas 10, Linhas finas 100, Linhas grossas 1, Linhas grossas 10, Linhas grossas 100, Louças Sanit, Pavimentos, Texto Layout, Texto Model, TOP, ViewPort, and ViewPort PORM.
- Properties**: Panel for setting object properties. Current settings include Layer: Cotas, Linetype: ByLayer, Linetype sc...: 1, Lineweight: ByLayer, Transparency: 0, Text style: Standard, and Dimension s...: Cotas Turma I.



Start Ex02CasaSiza* ONA_CA...2D-TOP*

Drafting Modeling

▼ Draw

▼ Hatch

▼ Block

▼ Modify

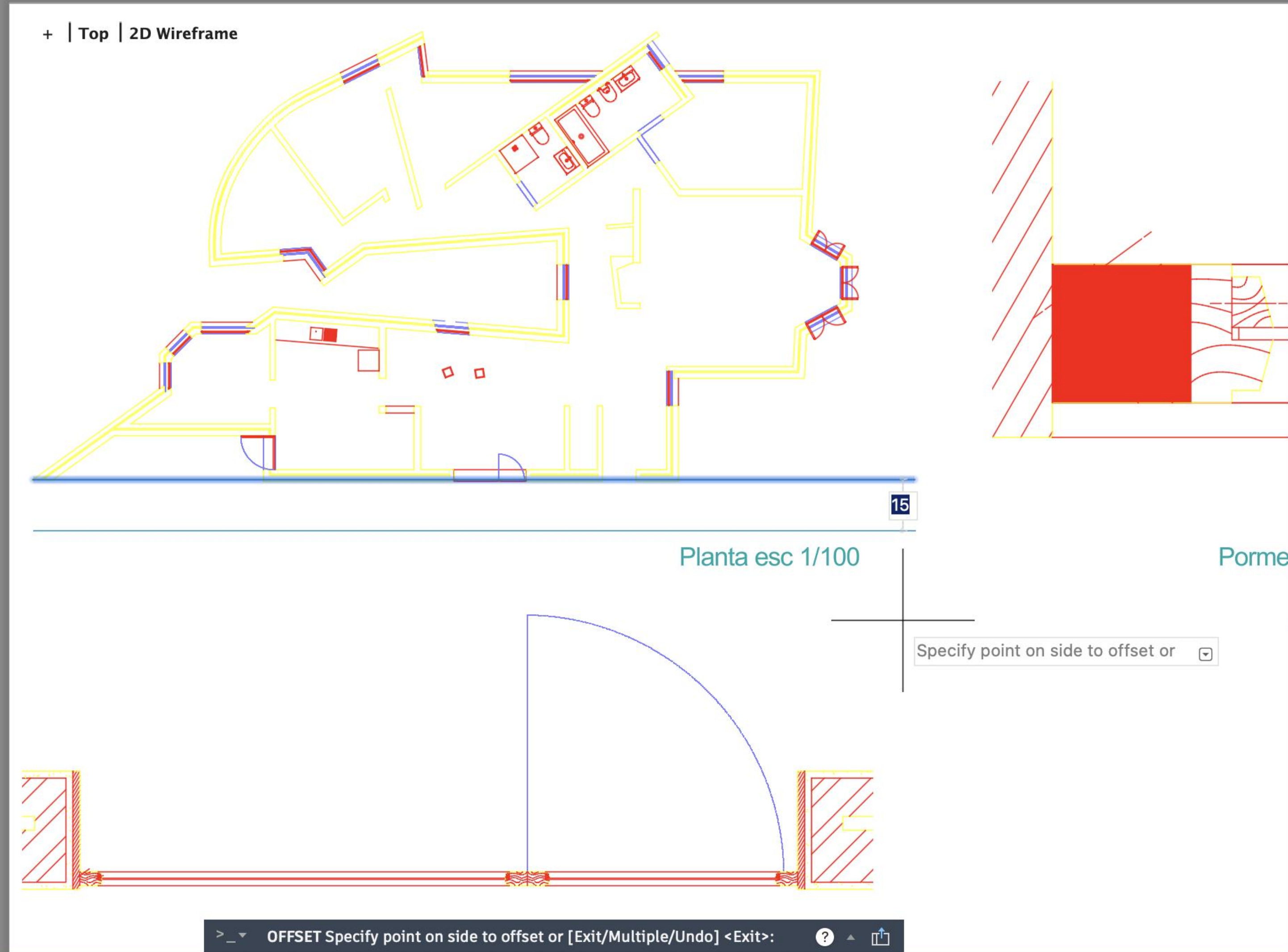
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color ByLayer

Layer Cotas

Linetype ByLayer

Linetype sc... 1

Lineweight ByLayer

Transparency 0

Text style Standard

Dimension s... Cotas Turma I



Start Ex02CasaSiza* ONA_CA...2D-TOP*

Drafting Modeling <<

Draw

Hatch

Block

Modify

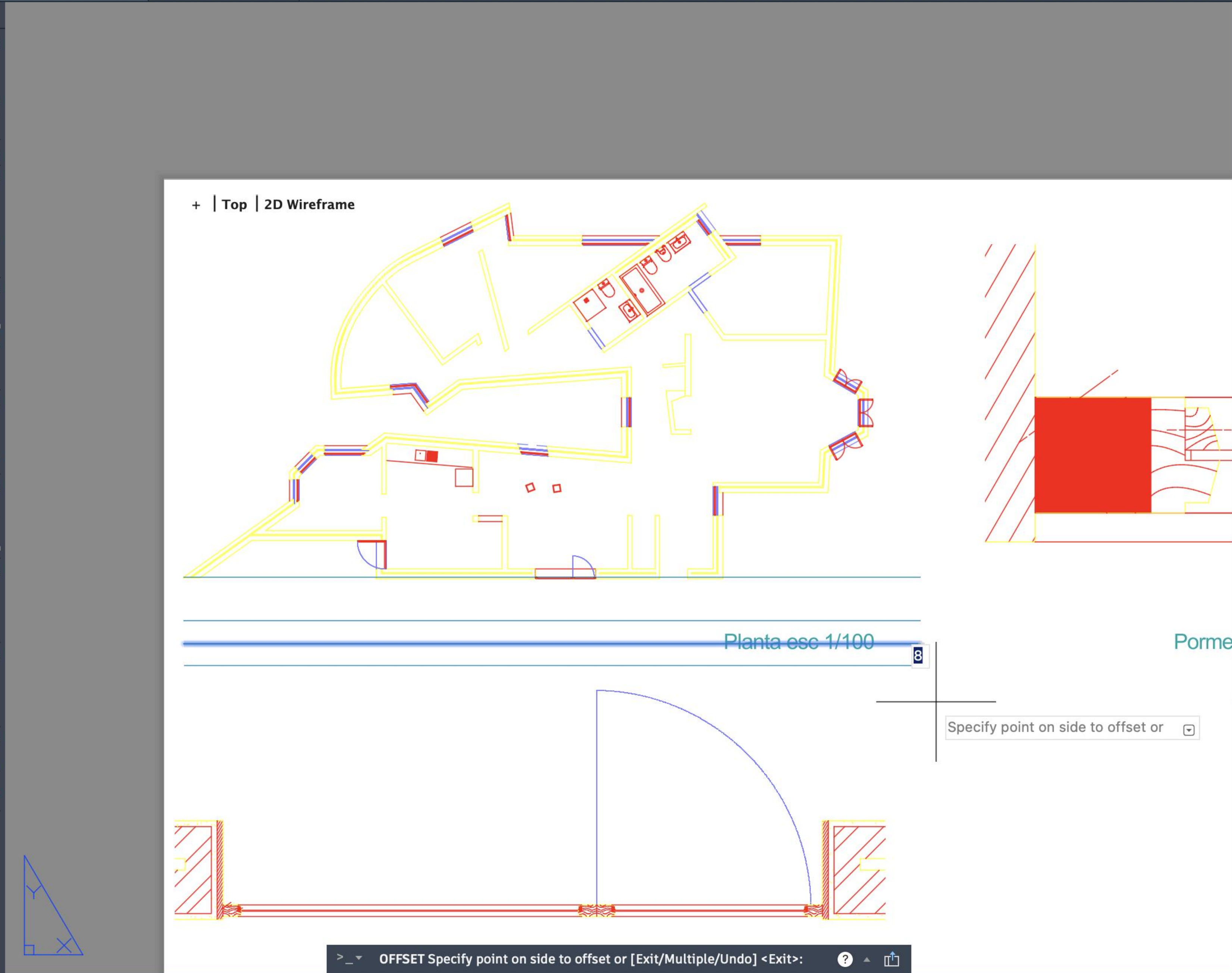
Text

Dimension

Leader

Table

Parametric



Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: Cotas Turma I

Drafting | Modeling <<

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Mline, Dimension, Leader, Table, Parametric

Hatch

- Hatch

Block

- Block

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, Offset, Layer, Color, Linetype, Lineweight, Transparency, Text style, Dimension style

Text

- Text, Text style, Dimension style

Dimension

- Dimension

Leader

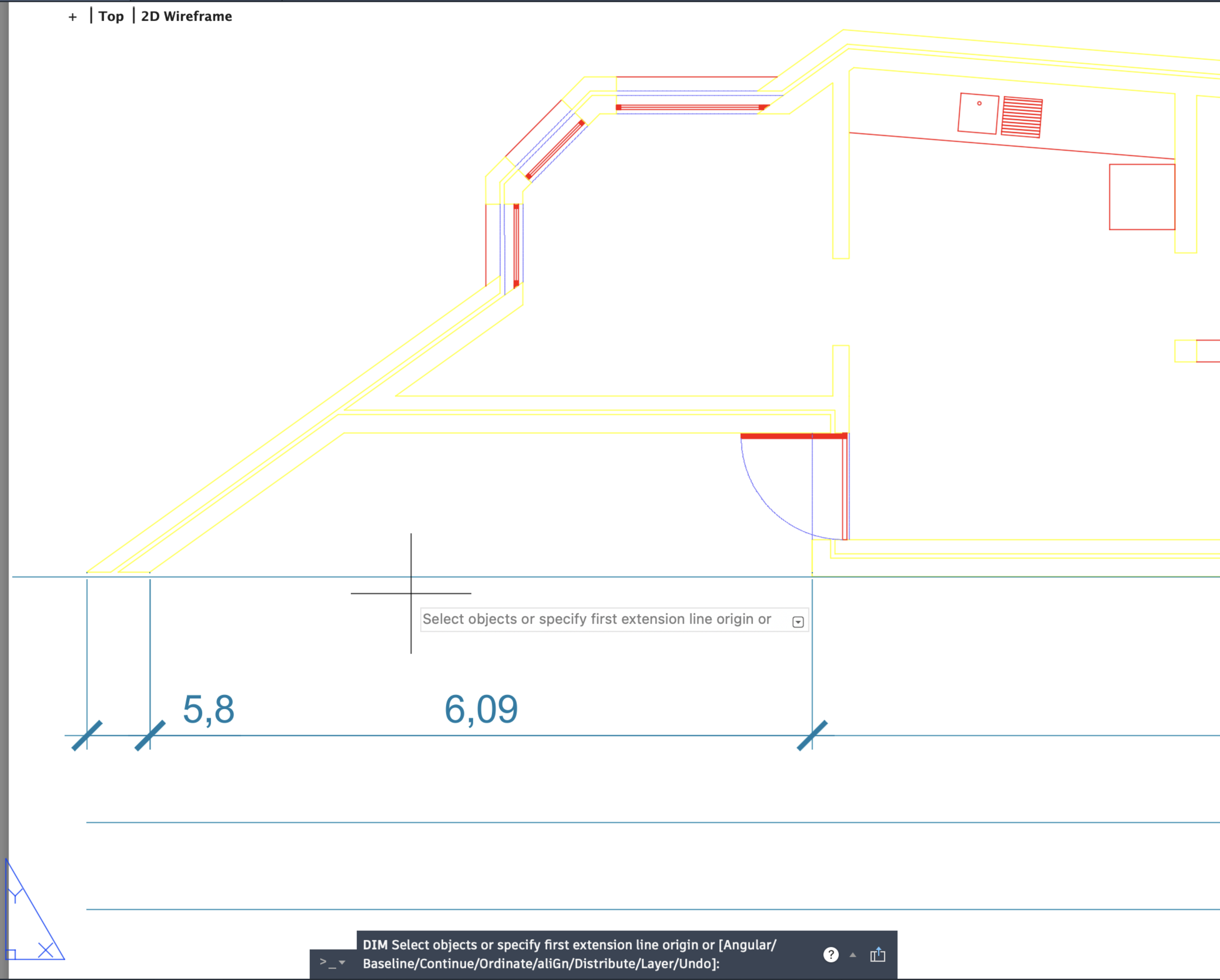
- Leader

Table

- Table

Parametric

- Parametric



Layers

Layers list:

- Cotas
- Unsaved Layer State
- Hide Layer List
- Name
- Hatch 1
- Hatch 10
- Hatch 100
- Inv
- Legenda
- Linhas finas 1
- Linhas finas 10
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- Louças Sanit
- Pavimentos
- Texto Layout
- Texto Model
- TOP
- ViewPort
- ViewPort PORM

Search for layer

Properties

Properties panel showing settings for the selected object (Cotas):

- Color: ByLayer
- Layer: Cotas
- Linetype: ByLayer
- Linetype sc...: 1
- Lineweight: ByLayer
- Transparency: 0
- Text style: Standard
- Dimension s...: Cotas Turma I

Drafting | **Modeling** | <<

Draw

- Line, Arc, Circle, Rectangle, Ellipse, Polygon, Polyline, Spline, Hatch, Block

Modify

- Move, Rotate, Scale, Mirror, Trim, Extend, Fillet, Chamfer, Offset, Layer, Color, Linetype, Lineweight, Text, Dimension, Leader, Table, Parametric

Modify Dimension Style: Cotas Turma I

Top | 2D Wireframe

Lines | Symbols and Arrows | Text | Fit | Primary Units | Alternate Units | Tolerances

Dimension Lines

Color: ☐ ByBlock

Linetype: ☐ ByBlock

Lineweight: ByBlock

Extend beyond ticks: 2

Baseline spacing: 3.75

Suppress: ☐ Dimension line 1 ☐ Dimension line 2

Extension Lines

Color: ☐ ByBlock

Linetype ext line 1: ☐ ByBlock

Linetype ext line 2: ☐ ByBlock

Lineweight: ByBlock

Suppress: ☐ Extension line 1 ☐ Extension line 2

Position and Length

Extend beyond dim lines: 2.5

Offset from origin: 2.5

☒ Fixed length extension lines

Length: 1

Cancel OK

Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

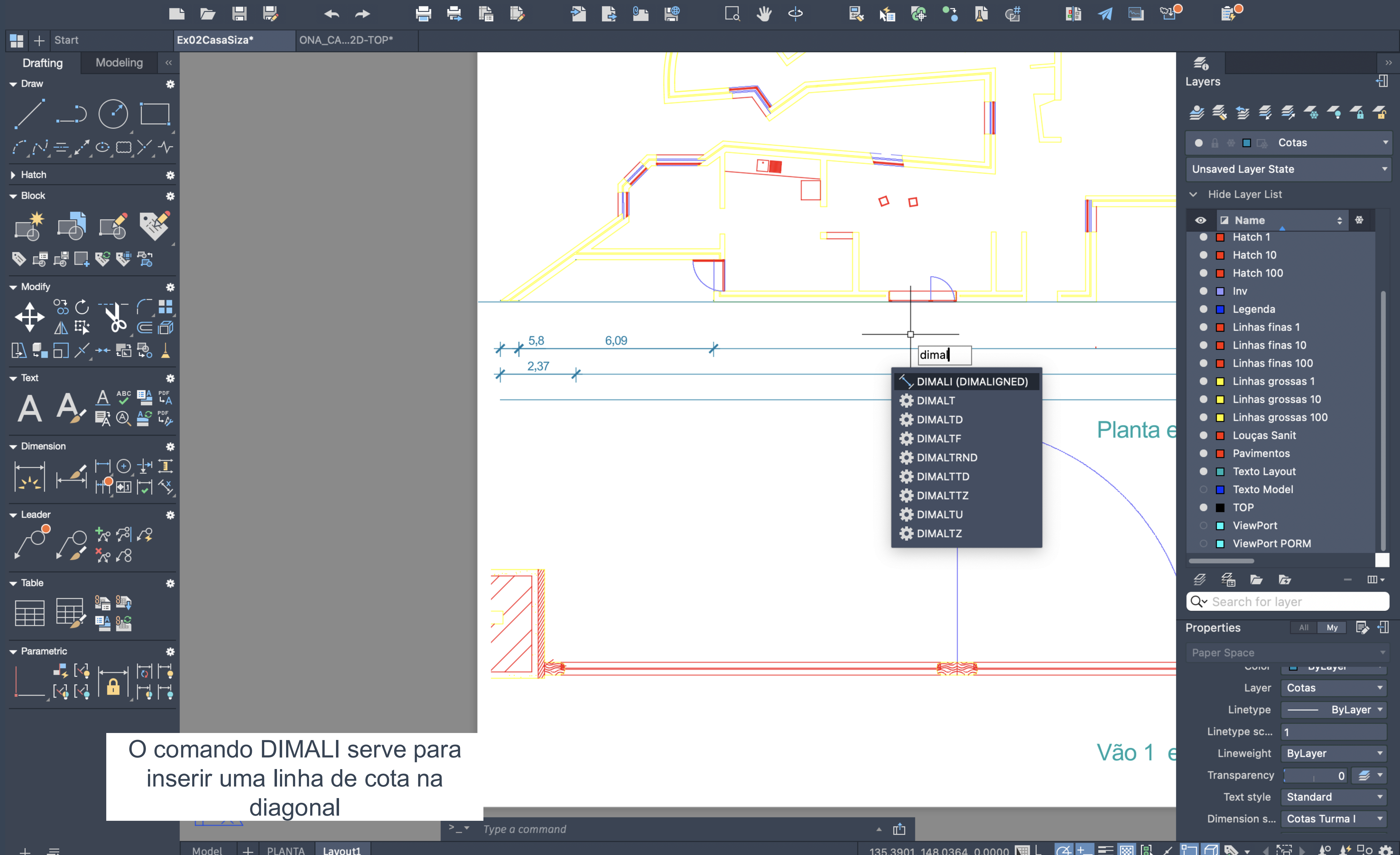
Linetype sc...: 1

Lineweight: ByLayer

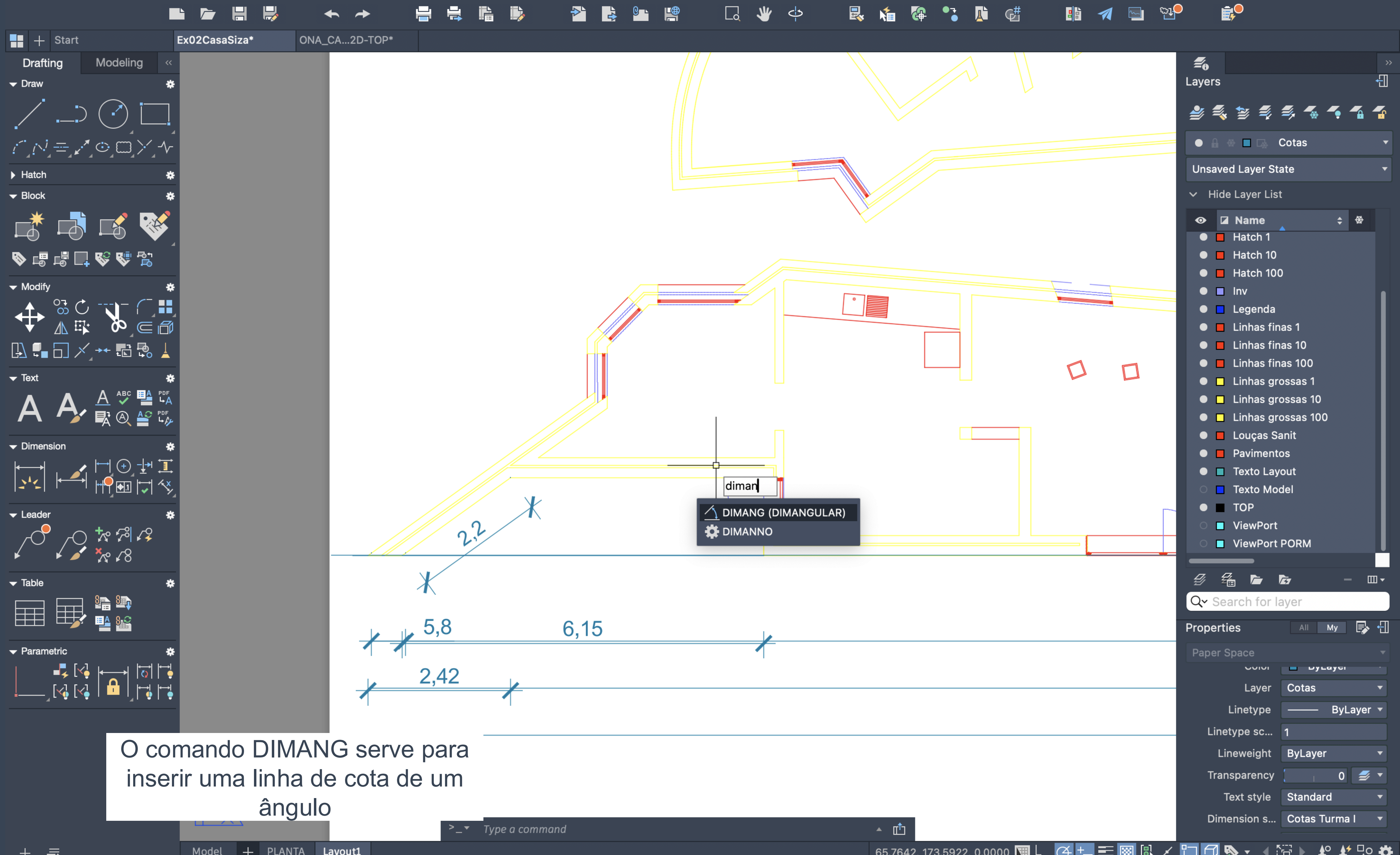
Transparency: 0

Text style: Standard

Dimension s...: Cotas Turma I



O comando DIMALI serve para inserir uma linha de cota na diagonal



O comando DIMANG serve para inserir uma linha de cota de um ângulo

Drafting | Modeling <<

▼ Draw

▼ Hatch

▼ Block

▼ Modify

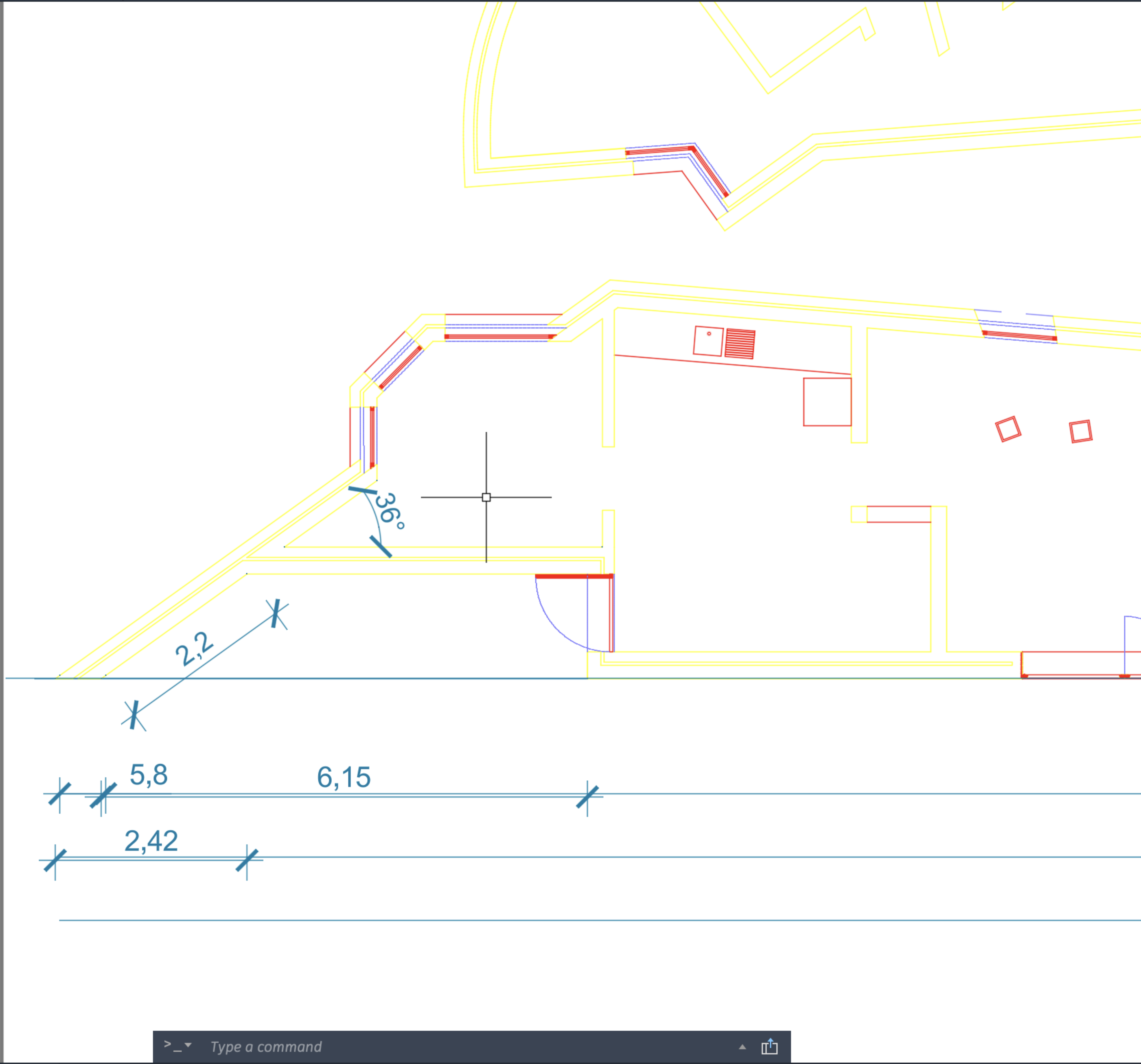
▼ Text

▼ Dimension

▼ Leader

▼ Table

▼ Parametric



Layers

Cotas

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

Search for layer

Properties

Paper Space

Color: ByLayer

Layer: Cotas

Linetype: ByLayer

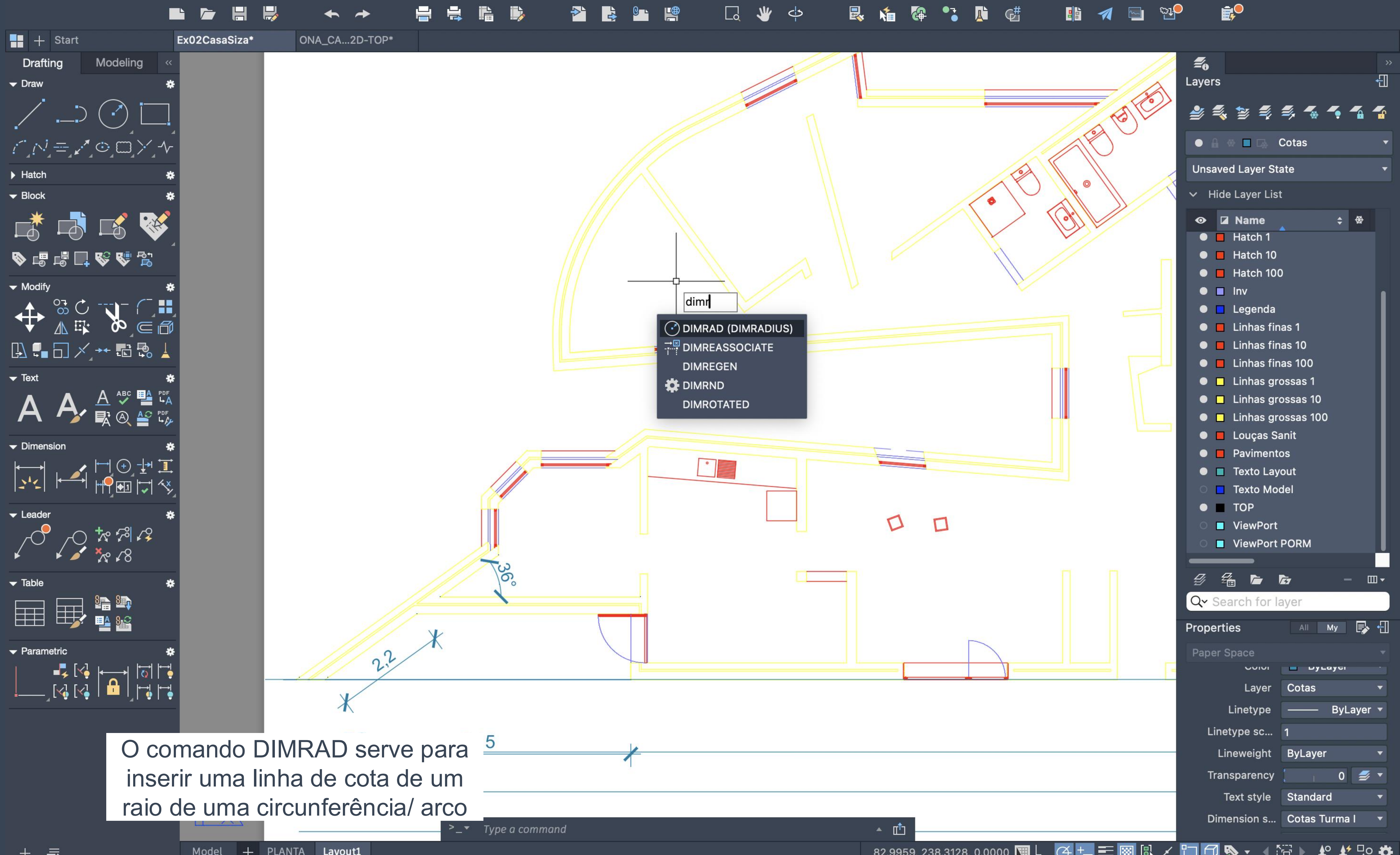
Linetype sc...: 1

Lineweight: ByLayer

Transparency: 0

Text style: Standard

Dimension s...: Cotas Turma I



O comando DIMRAD serve para inserir uma linha de cota de um raio de uma circunferência/ arco

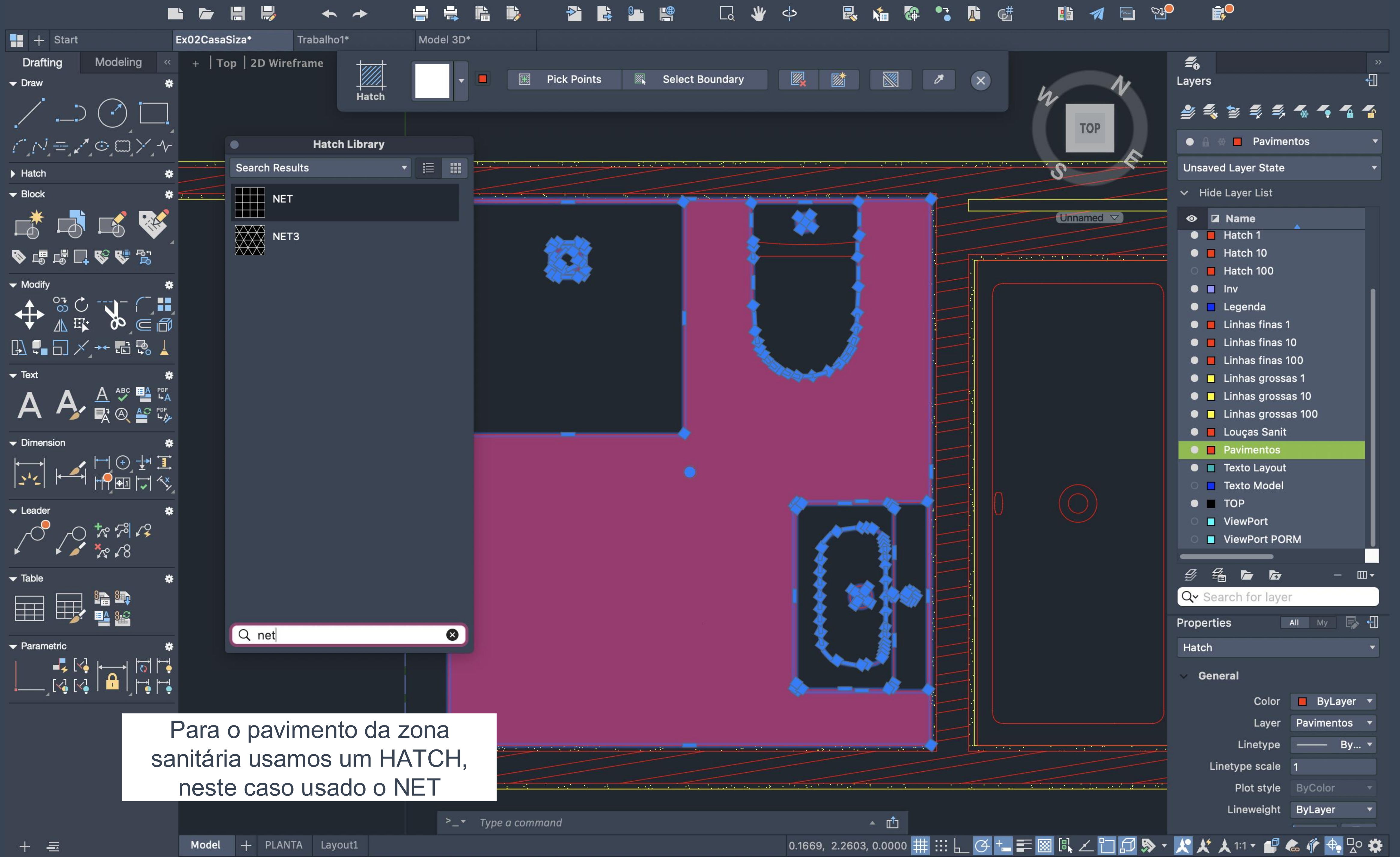
5

2,2

36°

Type a command

82.9959, 238.3128, 0.0000



Para o pavimento da zona sanitária usamos um HATCH, neste caso usado o NET



Start Ex02CasaSiza* Trabalho1* Model 3D*

Drafting | **Modeling** | << | T

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, etc.

Hatch

Block

- Insert, Modify, Delete, etc.

Modify

- Move, Rotate, Scale, Mirror, etc.

Text

- Text, Text Style, etc.

Dimension

- Dimension, Dimension Style, etc.

Leader

- Leader, Leader Style, etc.

Table

- Table, Table Style, etc.

Parametric

- Parametric, etc.

Hatch

Grid: 3x3 | Color: Red | Angle: 0 | Scale: 0.1

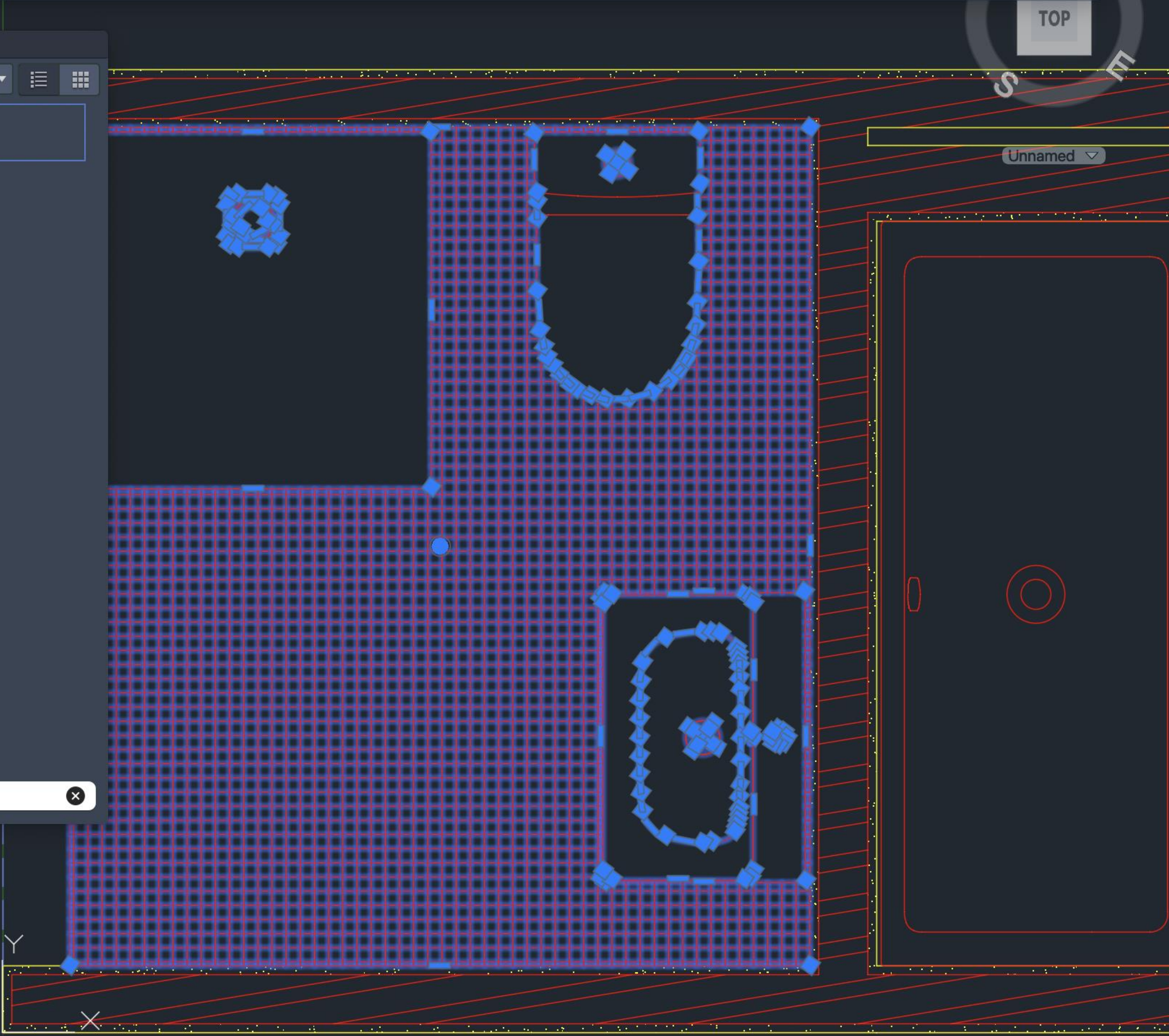
Pick Points | Select Boundary

Hatch Library

Search Results

- NET
- NET3

Q net



Layers

Unsaved Layer State

Hide Layer List

Name
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout
Texto Model
TOP
ViewPort
ViewPort PORM

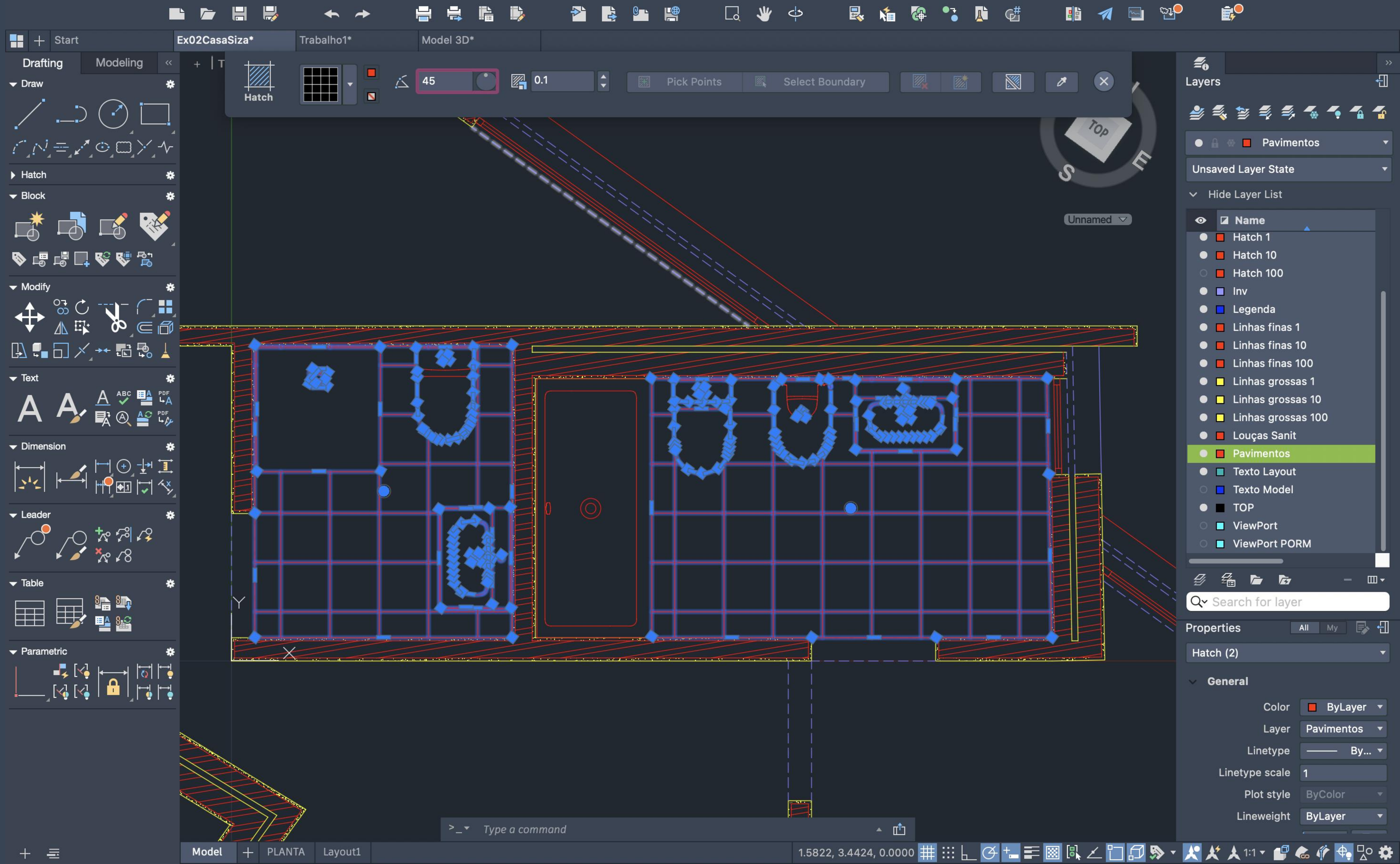
Search for layer

Properties

Hatch

General

- Color: ByLayer
- Layer: Pavimentos
- Linetype: By...
- Linetype scale: 1
- Plot style: ByColor
- Lineweight: ByLayer



Drafting | **Modeling** | << | T

Draw

- Line, Arc, Circle, Rectangle, Polygon, etc.

Hatch

Block

- Insert, Rotate, Scale, etc.

Modify

- Move, Copy, Paste, Delete, etc.

Text

- Text, Mtext, etc.

Dimension

- Dimension, etc.

Leader

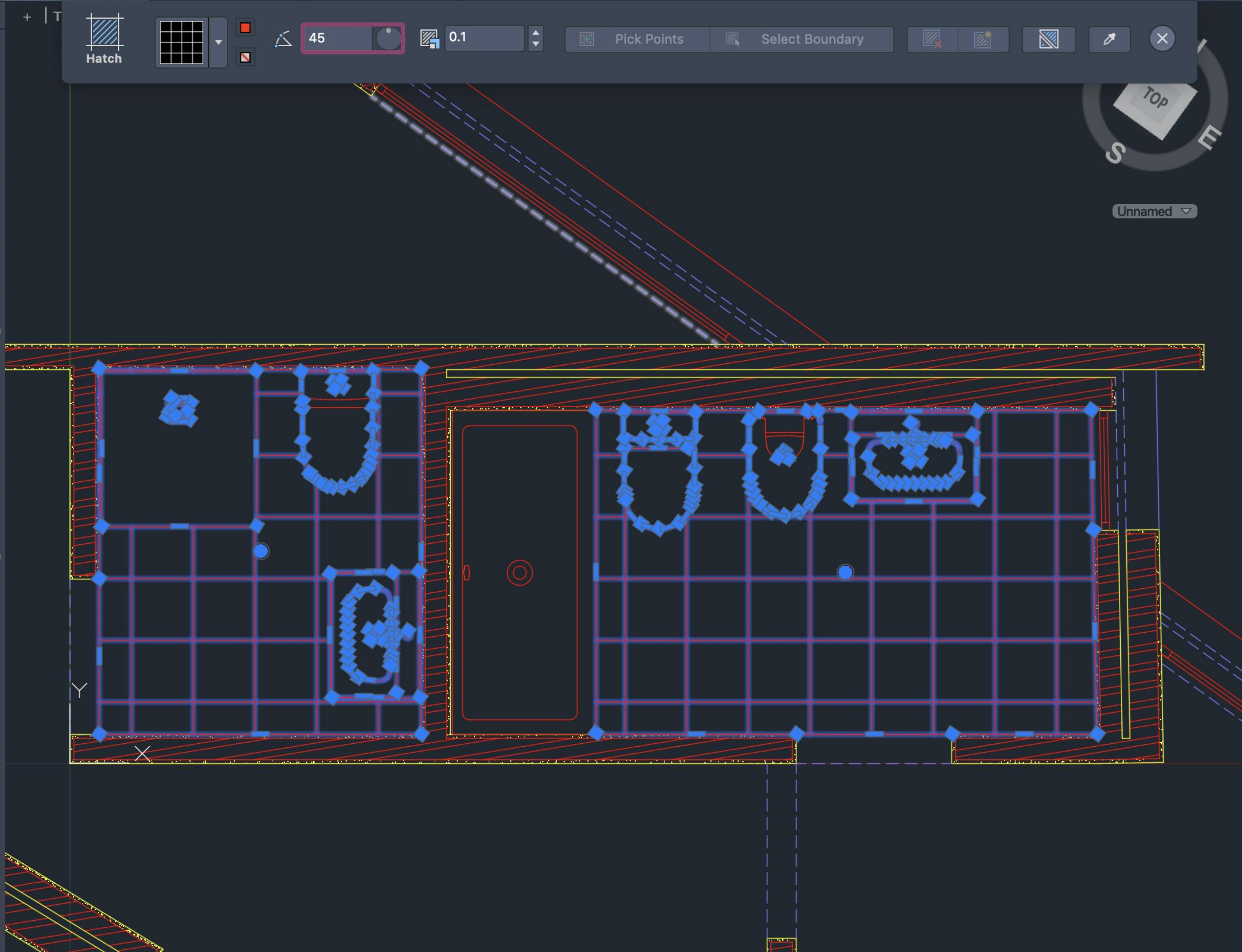
- Leader, etc.

Table

- Table, etc.

Parametric

- Parametric, etc.



Layers

- Pavimentos
- Unsaved Layer State
- Hide Layer List
- Name
- Hatch 1
- Hatch 10
- Hatch 100
- Inv
- Legenda
- Linhas finas 1
- Linhas finas 10
- Linhas finas 100
- Linhas grossas 1
- Linhas grossas 10
- Linhas grossas 100
- Louças Sanit
- Pavimentos
- Texto Layout
- Texto Model
- TOP
- ViewPort
- ViewPort PORM

Properties

Hatch (2)

General

- Color: ByLayer
- Layer: Pavimentos
- Linetype: By...
- Linetype scale: 1
- Plot style: ByColor
- Lineweight: ByLayer

Start

Ex02CasaSiza*

Trabalho1*

Model 3D*

Drafting

Modeling

Draw

Hatch

Block

Modify

Text

Dimension

Leader

Table

Parametric

Hatch

0

0.05

Pick Points

Select Boundary

W

TOP

E

S

WCS

Y

X

>_

Type a command

Model

PLANTA

Layout1

32.8602, 17.2402, 0.0000

1:1

Layers

Unsaved Layer State

Hide Layer List

Name

0

Aux

Cotas

Defpoints

Hatch 1

Hatch 10

Hatch 100

Inv

Legenda

Linhas finas 1

Linhas finas 10

Linhas finas 100

Linhas grossas 1

Linhas grossas 10

Linhas grossas 100

Louças Sanit

Pavimentos

Texto Layout

Search for layer

Properties

Hatch (2)

General

Color

ByLayer

Layer

Pavimentos

Linetype

By...

Linetype scale

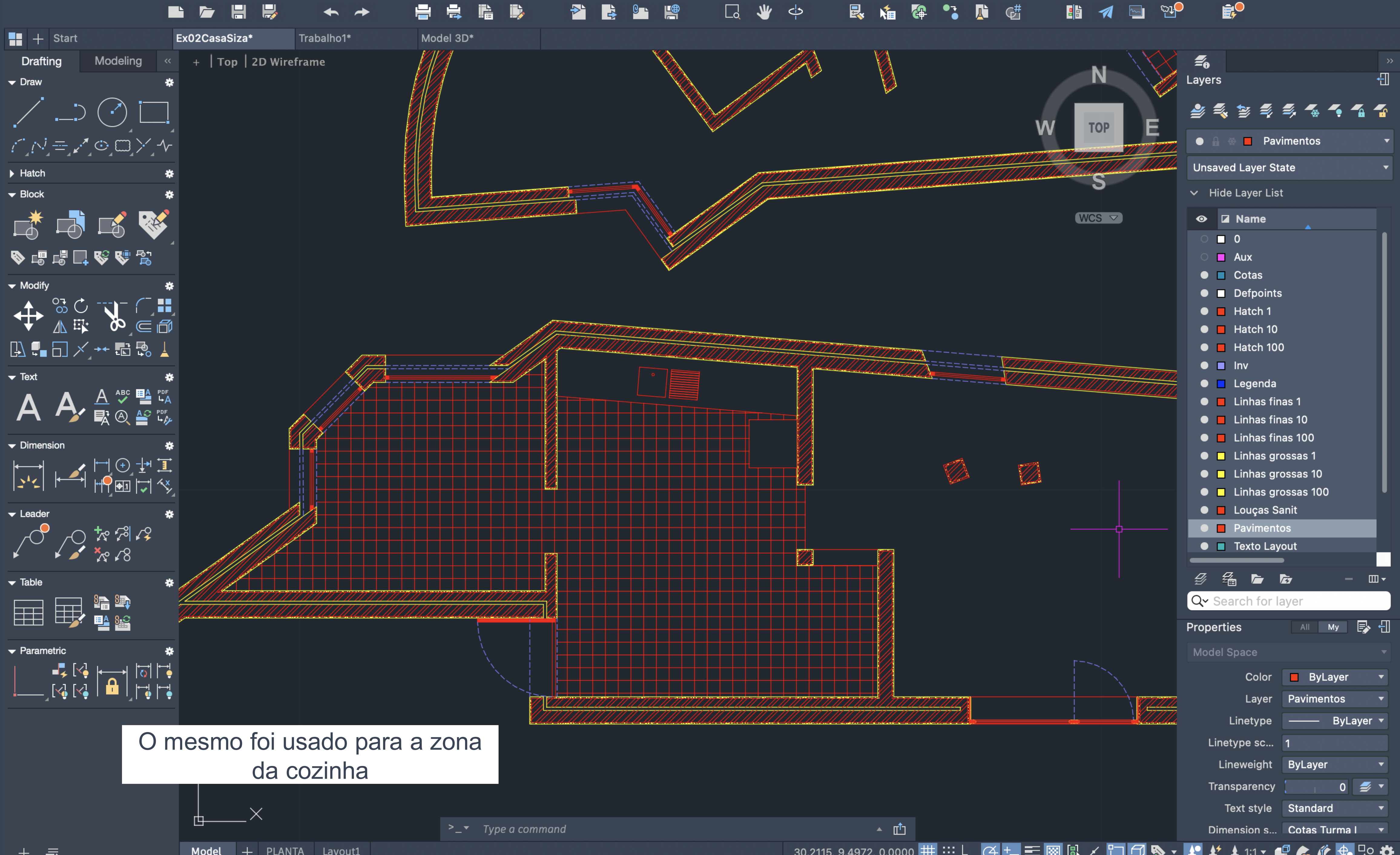
1

Plot style

ByColor

Lineweight

ByLayer



Drafting | **Modeling** | << + | Top | 2D Wireframe

Draw

- Line, Arc, Circle, Rectangle, Polygon, Ellipse, Spline, Hatch, Block, Image, Mtext, Text, Dimension, Leader, Table, Parametric

Modify

- Move, Rotate, Scale, Stretch, Trim, Extend, Fillet, Chamfer, Mirror, Offset, Copy, Paste, Undo, Redo, Delete, Lock, Hide, Show, Freeze, Thaw, Lock, Hide, Show, Freeze, Thaw

Text

- Text, Mtext, Text Style, Text Alignment, Text Justification, Text Orientation, Text Color, Text Layer, Text Linetype, Text Lineweight, Text Transparency

Dimension

- Dimension, Dimension Style, Dimension Alignment, Dimension Justification, Dimension Orientation, Dimension Color, Dimension Layer, Dimension Linetype, Dimension Lineweight, Dimension Transparency

Leader

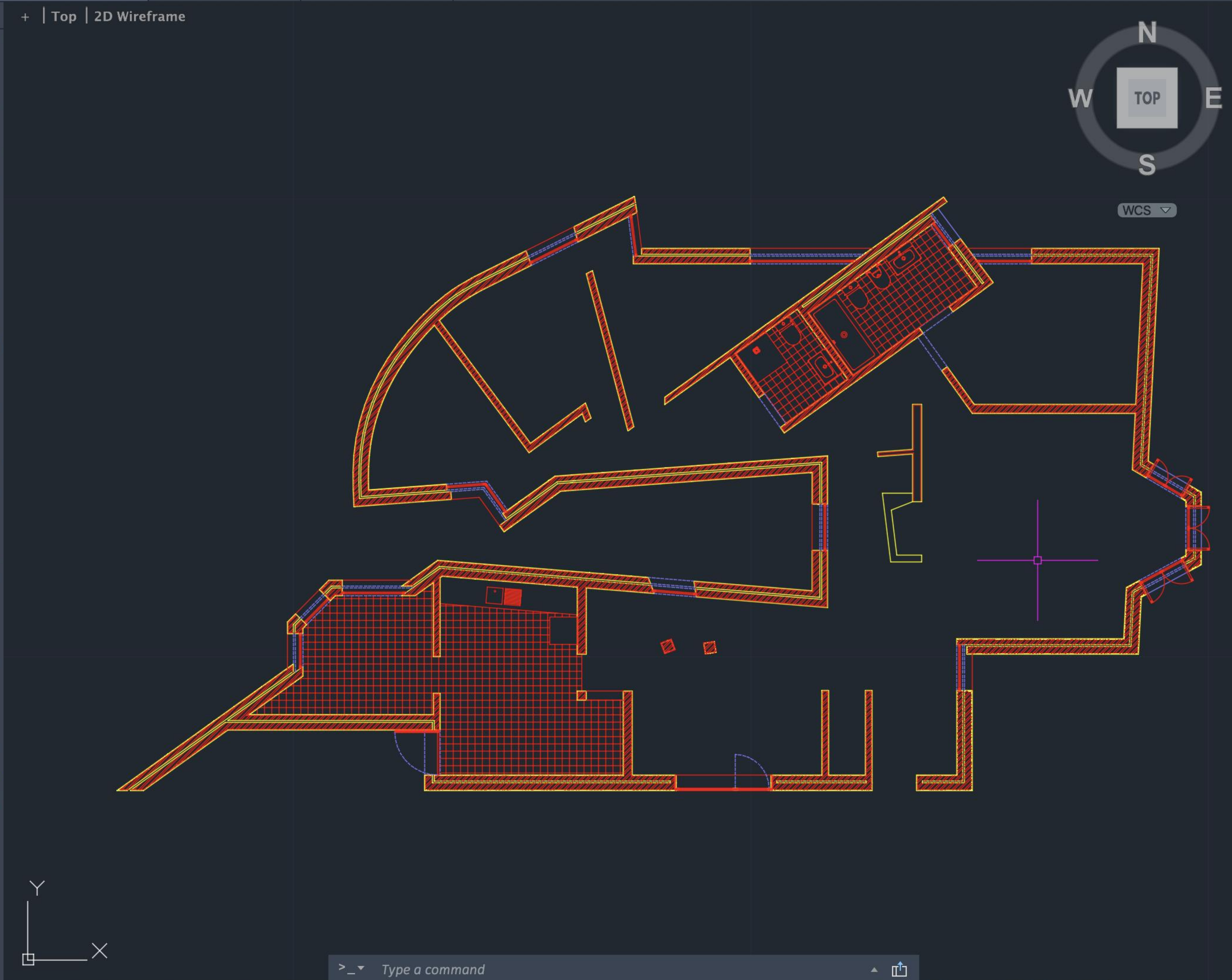
- Leader, Leader Style, Leader Alignment, Leader Justification, Leader Orientation, Leader Color, Leader Layer, Leader Linetype, Leader Lineweight, Leader Transparency

Table

- Table, Table Style, Table Alignment, Table Justification, Table Orientation, Table Color, Table Layer, Table Linetype, Table Lineweight, Table Transparency

Parametric

- Parametric, Parametric Style, Parametric Alignment, Parametric Justification, Parametric Orientation, Parametric Color, Parametric Layer, Parametric Linetype, Parametric Lineweight, Parametric Transparency



Layers

Unsaved Layer State

Hide Layer List

Name
0
Aux
Cotas
Defpoints
Hatch 1
Hatch 10
Hatch 100
Inv
Legenda
Linhas finas 1
Linhas finas 10
Linhas finas 100
Linhas grossas 1
Linhas grossas 10
Linhas grossas 100
Louças Sanit
Pavimentos
Texto Layout

Search for layer

Properties

Model Space

Color: ByLayer

Layer: Pavimentos

Linetype: Standard

Text style: Standard

Dimension s...: Cotas Turma I