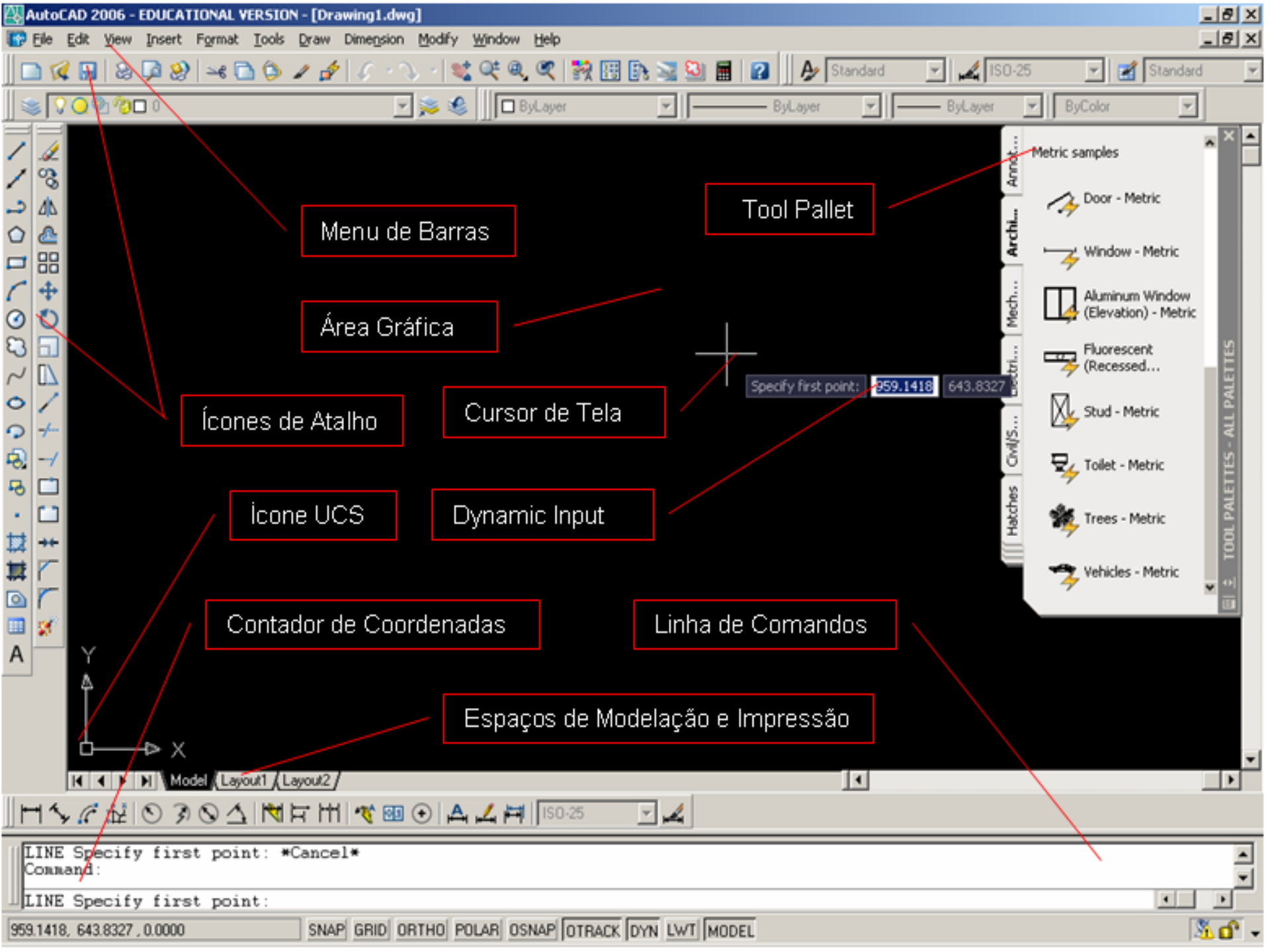
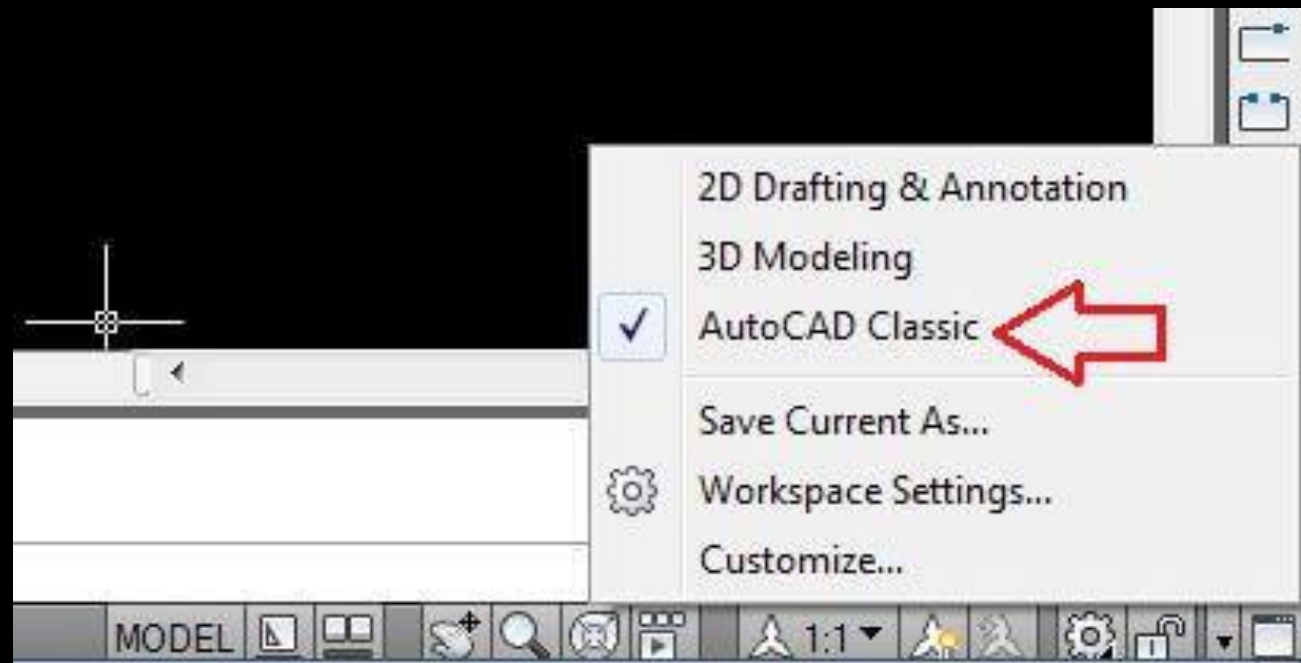
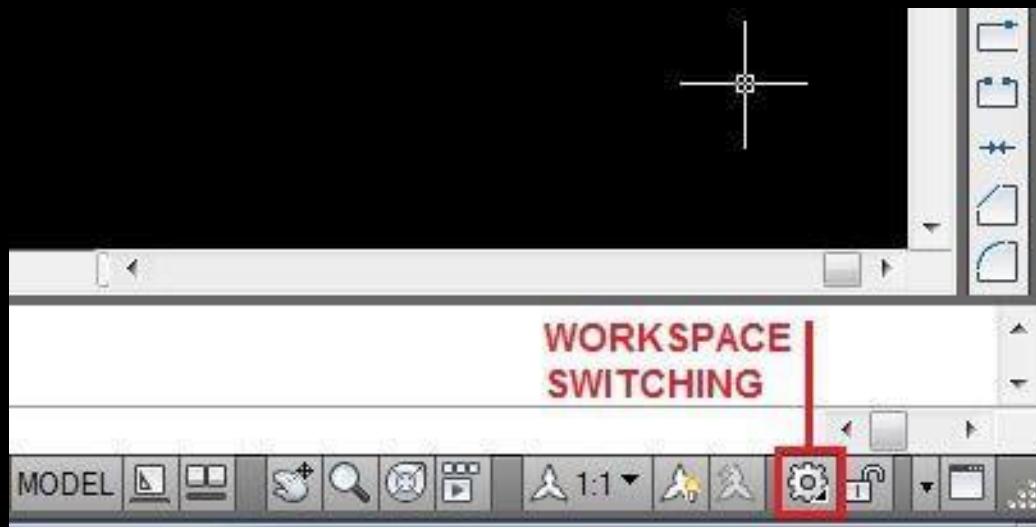


# DESENHO TÉCNICO E ARQUITETÔNICO

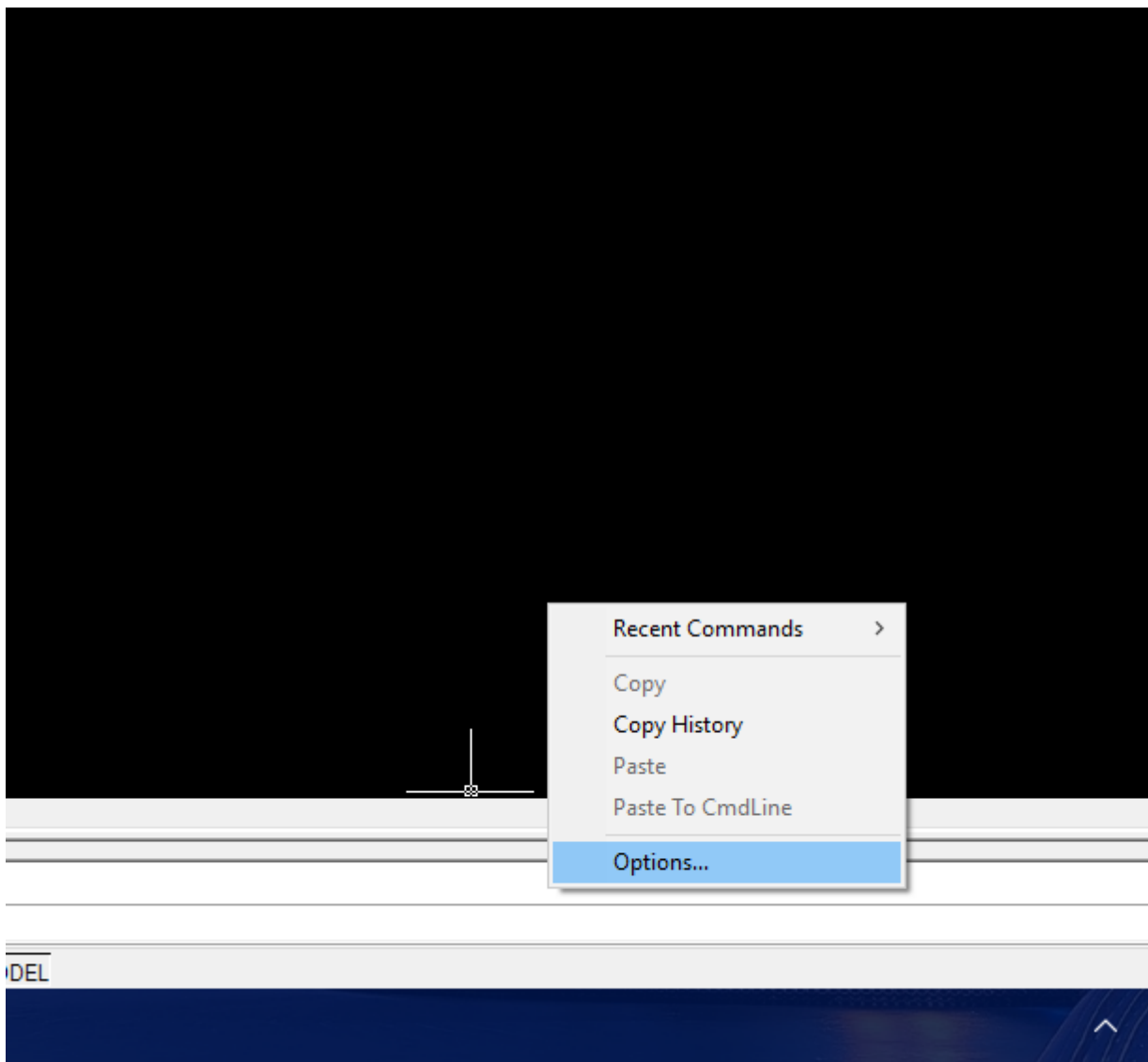
REPRESENTAÇÃO DE PROJETOS DE  
ARQUITETURA COM O AUTOCAD 2D

Mundi - Centro de Formação Técnica  
Unidade Vitória da Conquista – BA  
Professor: Philipe do Prado Santos  
Curso Técnico de Edificações





# CONFIGURAÇÃO PRIMÁRIA



Current profile: &lt;&lt;Unnamed Profile&gt;&gt;

Current drawing: Drawing1.dwg

Files **Display** Open and Save Plot and Publish System User Preferences Drafting 3D Modeling Selection Profiles





## Window Elements

- Display scroll bars in drawing window
- Display screen menu
- Use large buttons for Toolbars
- Show ToolTips
- Show shortcut keys in ToolTips

Colors...

Fonts...




## Display resolution

-  1000 Arc and circle smoothness
-  8 Segments in a polyline curve
-  0.5 Rendered object smoothness
-  4 Contour lines per surface

## Layout elements

- Display Layout and Model tabs
- Display printable area
- Display paper background
  - Display paper shadow
- Show Page Setup Manager for new layouts
- Create viewport in new layouts

## Display performance

- Pan and zoom with raster & OLE
- Highlight raster image frame only
-   Apply solid fill
-   Show text boundary frame only
-   Draw true silhouettes for solids and surfaces

## Crosshair size

100

## Reference Edit fading intensity

50

I Tamanho do cursor

OK

Cancel

Apply

Help

Current profile: &lt;&lt;Unnamed Profile&gt;&gt;

Current drawing: Drawing1.dwg

Files Display Open and Save Plot and Publish System **User Preferences** Drafting 3D Modeling Selection Profiles

## Windows Standard Behavior

- Double click editing
- Shortcut menus in drawing area

Right-click Customization...

## Priority for Coordinate Data Entry

- Running object snap
- Keyboard entry
- Keyboard entry except scripts

## Insertion scale

Default settings when units are set to unitless:

Source content units:

Meters

Target drawing units:

Meters

## Associative Dimensioning

- Make new dimensions associative

## Hyperlink

- Display hyperlink cursor, tooltip, and shortcut menu

## Fields

- Display background of fields

Field Update Settings...

## Undo/Redo

- Combine zoom and pan commands

Lineweight Settings...

Edit Scale List...

OK

Cancel

Apply

Help

Current profile:

&lt;&lt;Unnamed Profile&gt;&gt;



Current drawing:

Drawing1.dwg

Files Display Open and Save Plot and Publish System **User Preferences** Drafting 3D Modeling Selection Profiles

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- Combine zoom and pan commands

Lineweight Settings...

Edit Scale List...

OK

Cancel

Apply

Help

Current profile: &lt;&lt;

Files Display Open

Windows Standard B

 Double click editi Shortcut menus in

Right-click

Insertion scale

Default settings whe

Source conten

Meters

Target drawing

Meters

Fields

 Display backgrou

Field Up

Lineweight Setti

## Right-Click Customization ? X

- Turn on time-sensitive right-click:  
Quick click for ENTER  
Longer click to display Shortcut Menu  
Longer click duration:  milliseconds

## Default Mode

If no objects are selected, right-click means

- Repeat Last Command  
 Shortcut Menu

## Edit Mode

If one or more objects are selected, right-click means

- Repeat Last Command  
 Shortcut Menu

## Command Mode

If a command is in progress, right-click means

- ENTER  
 Shortcut Menu: always enabled  
 Shortcut Menu: enabled when command options are present

Apply &amp; Close

Cancel

Help

OK

Cancel

Apply

Help



AutoCAD 2007 - [Drawing1.dwg]

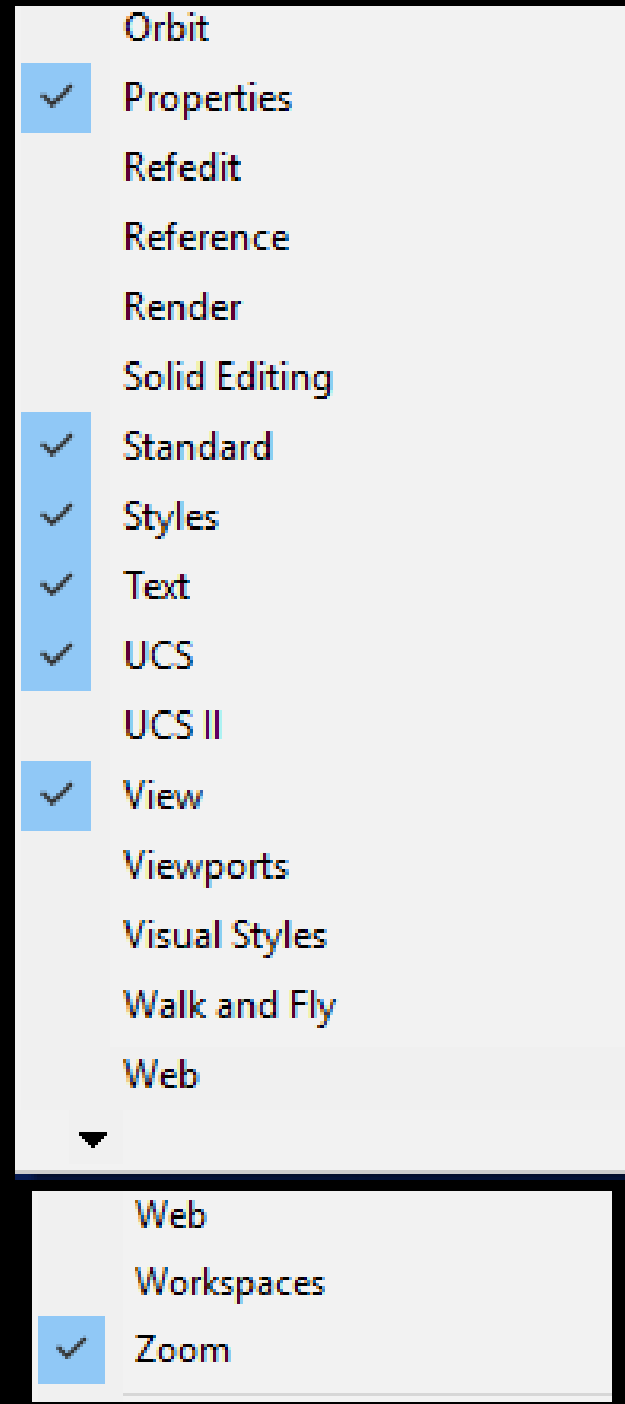
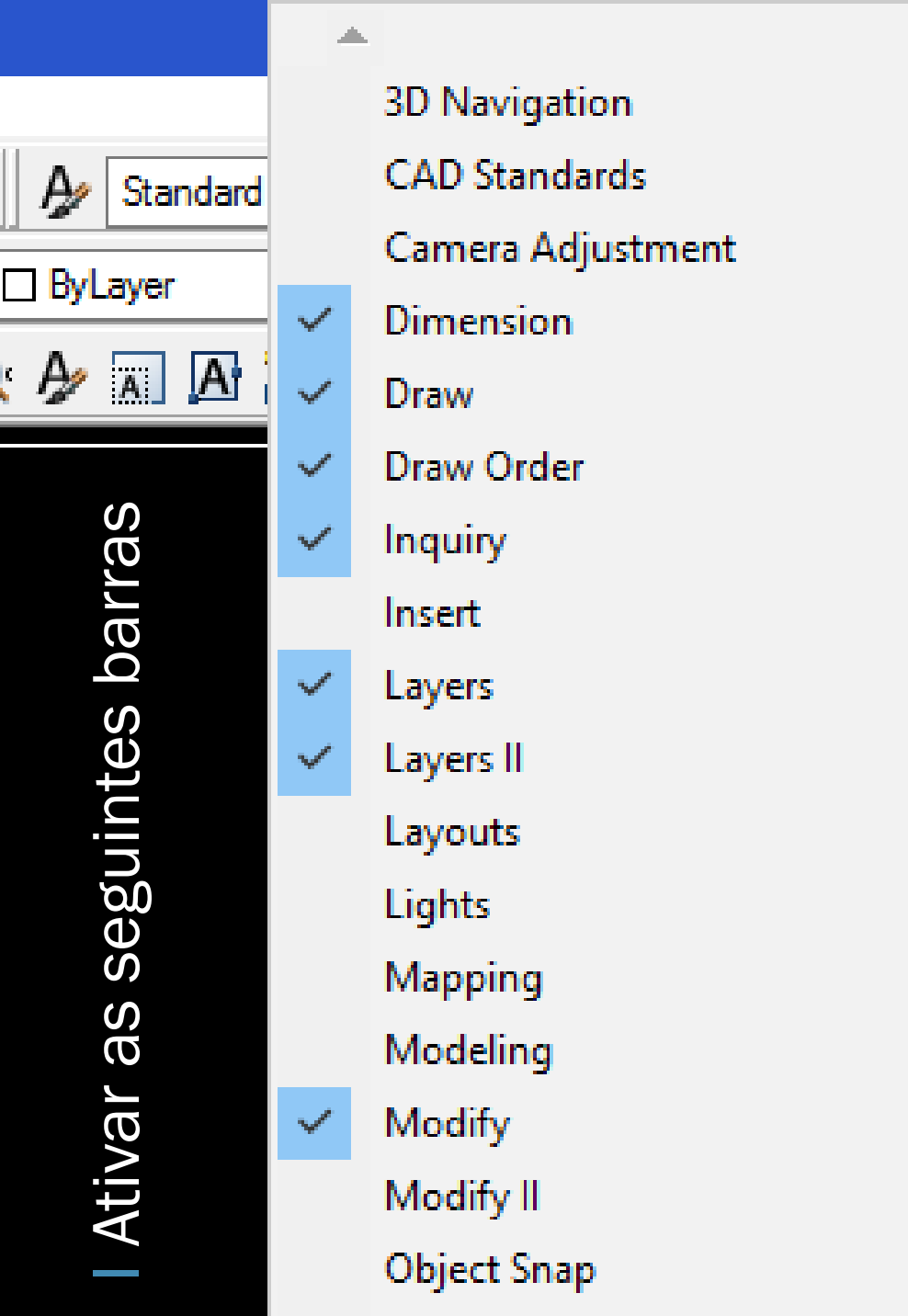
File Edit View Insert Format Tools Draw Dimension Modify Express Window Help

AutoCAD Classic | 0 | ByLayer | ByLayer | ByLayer | ByColor



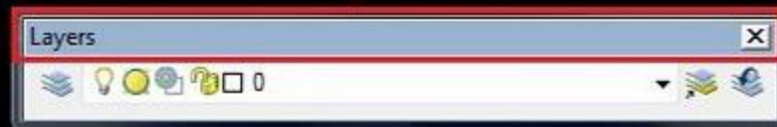
Command:   
 Command:   
 3239.3838, 627.7185, 0.0000 | SNAP GRID ORTHO POLAR OSNAP OTRACK DUCS DYN LWT MODEL

# Ativar as seguintes barras





**CLICANDO SOBRE O LOCAL  
INDICADO E MANTENDO O  
MOUSE PRESSIONADO, É  
POSSÍVEL ARRASTAR A  
BARRA DE FERRAMENTA  
OU MENU PARA QUALQUER  
PONTO DA ÁREA DE  
TRABALHO**



AutoCAD 2007 - [Drawing1.dwg]

File Edit View Insert Format Tools Draw Dimension Modify Express Window Help

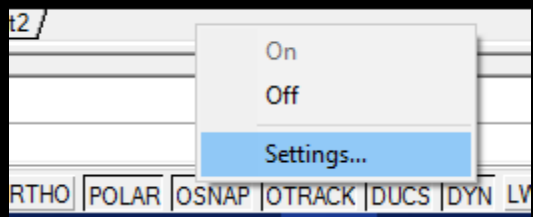
Standard ISO-25 Standard ByLayer ByLayer ByLayer ByColor



Model Layout1 Layout2

Command: Specify opposite corner:  
Command:

3814.7762, 292.0661, 0.0000 SNAP GRID ORTHO POLAR OSNAP OTRACK DUCS DYN LWT MODEL



### Drafting Settings

Object Snap

Object Snap On (F3)       Object Snap Tracking On (F11)

**Object Snap modes**

<input type="checkbox"/> <input checked="" type="checkbox"/> Endpoint	<input type="checkbox"/> Insertion	Select All
<input type="checkbox"/> <input checked="" type="checkbox"/> Midpoint	<input type="checkbox"/> Perpendicular	Clear All
<input type="checkbox"/> <input checked="" type="checkbox"/> Center	<input type="checkbox"/> Tangent	
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Node	<input type="checkbox"/> Nearest	
<input type="checkbox"/> <input checked="" type="checkbox"/> Quadrant	<input checked="" type="checkbox"/> Apparent intersection	
<input type="checkbox"/> <input checked="" type="checkbox"/> Intersection	<input type="checkbox"/> Parallel	
<input type="checkbox"/> <input checked="" type="checkbox"/> Extension		

To track from an Osnap point, pause over the point while in a command. A tracking vector appears when you move the cursor. To stop tracking, pause over the point again.

Options...      OK      Cancel      Help

ByLayer ByLayer ByLayer

ISO-25

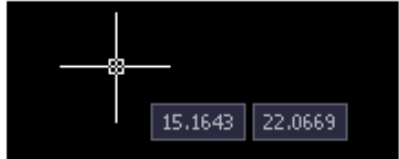
### Drafting Settings

Snap and Grid Polar Tracking Object Snap **Dynamic Input**

Enable Pointer Input

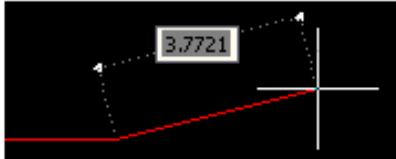
Enable Dimension Input where possible

Pointer Input




Settings...

Dimension Input




Settings...

Dynamic Prompts



Show command prompting and command input near the crosshairs

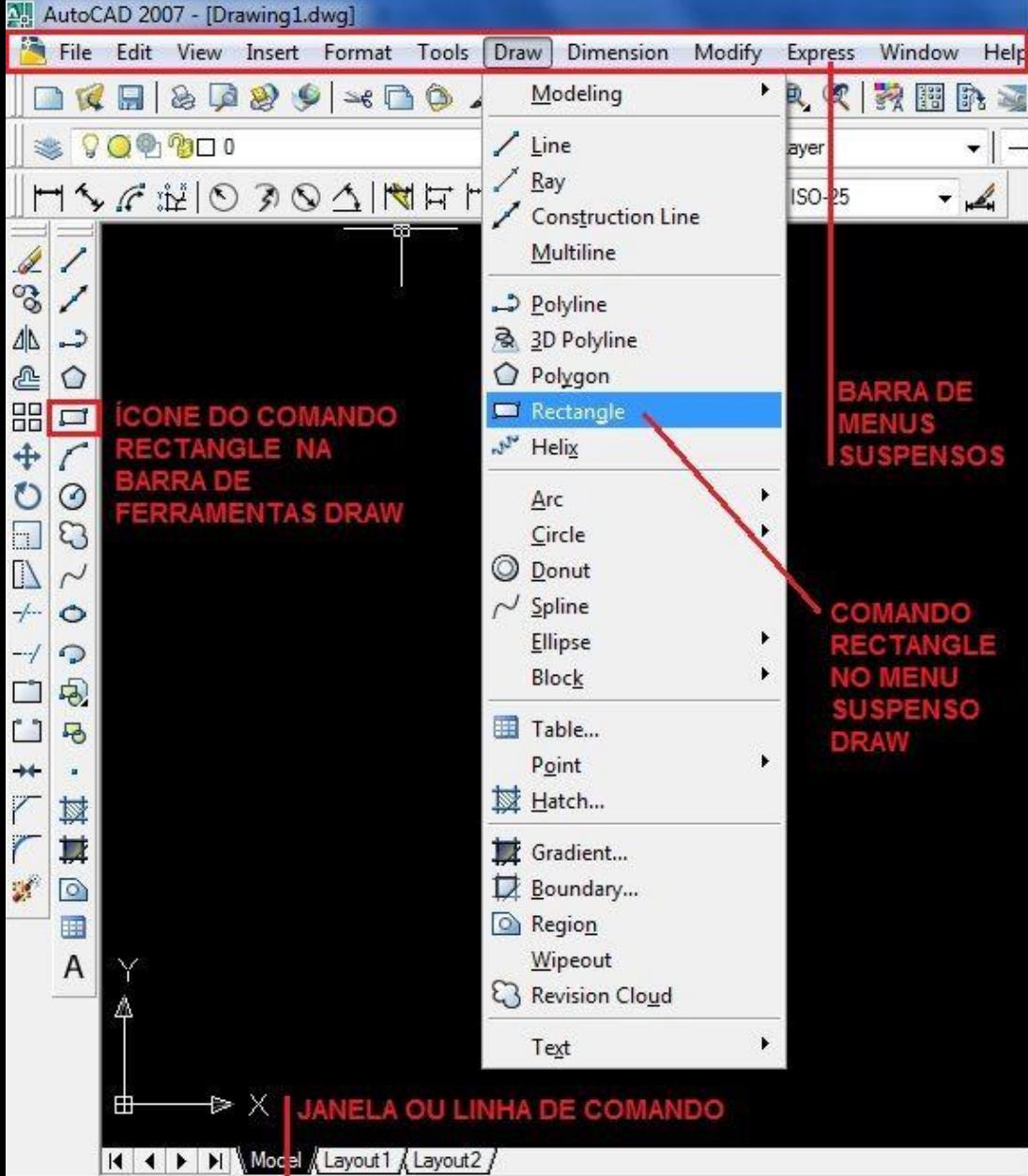
 In a dynamic prompt, press the Down Arrow key to access options.

Drafting Tooltip Appearance...

Options... **OK** Cancel Help

Layout2

ORTHO POLAR OSNAP OTRACK DUCS DYN LWT MODEL



ÍCONE DO COMANDO RECTANGLE NA BARRA DE FERRAMENTAS DRAW

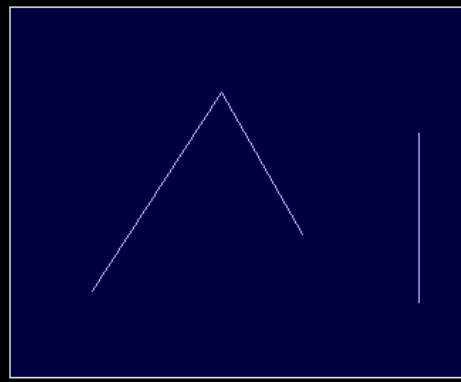
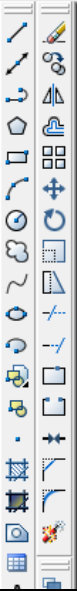
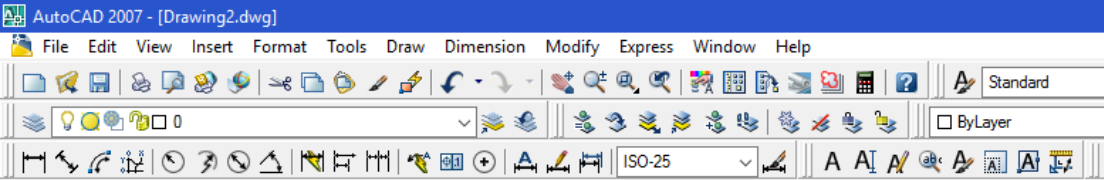
BARRA DE MENUS SUSPENSOS

COMANDO RECTANGLE NO MENU SUSPENSO DRAW

JANELA OU LINHA DE COMANDO

Command: '\_layer  
Command: Specify opposite corner:  
Command: **REC (+ TECLA ENTER)**

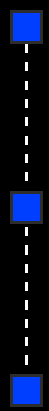
Creates a rectangular polyline: RECTANG



| Só o que está totalmente dentro

Specify opposite corner: 1478.2734 599.5958

| Tudo que toca



| Seleção individual



Specify opposite corner: 469.7826 556.1205





PAN

ZOOM REAL TIME

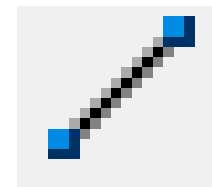
ZOOM WINDOW

ZOOM PREVIOUS

# LINE

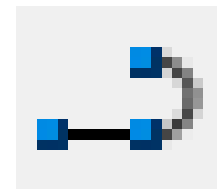
| O comando Line permite desenhar linhas independentes.

1. Digite **L** e aperte a tecla **Enter**.
2. Clique no primeiro ponto.
3. Verifique se a tecla **F8** está ligada para que as linhas fiquem “amarradas” aos eixos X e Y.
4. Direcione o cursor do mouse na direção em que deseja desenhar a linha.
5. Digite a medida desejada e aperte a tecla **Enter**.
6. Para sair do comando, aperte a tecla **Enter** ou **Esc**.



# POLYLINE

| Permite desenhar linhas que formarão um único objeto, isto é, cada linha é dependente da outra. O formato é o mesmo do comando LINE, só mudando a forma de acesso, ao invés de L, digitar PL.



# POLYLINE

1. Digite **PL** e aperte a tecla **Enter**.
2. Clique no primeiro ponto.
3. Verifique se a tecla **F8** está ligada para que a polyline fique “amarrada” aos eixos X e Y.
4. Direcione o cursor do mouse na direção em que deseja desenhar a linha.
5. Digite a medida desejada e aperte a tecla **Enter**.
6. Retorne ao passo 4 até finalizar o desenho pretendido.
7. Para sair do comando, aperte a tecla **Enter** ou **Esc**.
8. Clique sobre uma das linhas que formam a polyline para confirmar se todas as outras linhas serão selecionadas simultaneamente.

# EXPLODE

- | Permite “explodir” as polylines, tornando as entidades que as formam independentes umas das outras. Exemplo: ao “explodir” um quadrado desenhado originalmente com o comando POLYLINE, as linhas que formam os lados do mesmo se transformarão em linhas independentes (você conseguirá apagar uma a uma se desejar).



# EXPLODE

1. Clique no ícone com o desenho de uma dinamite (geralmente é o último ícone de uma das barras verticais localizadas do lado esquerdo da tela).
2. Com o quadrinho que apareceu na tela, clique sobre a(s) polyline(s) que deseja explodir.
3. Aperte a tecla Enter.
4. Clique sobre uma das linhas para confirmar se realmente está independente das outras.