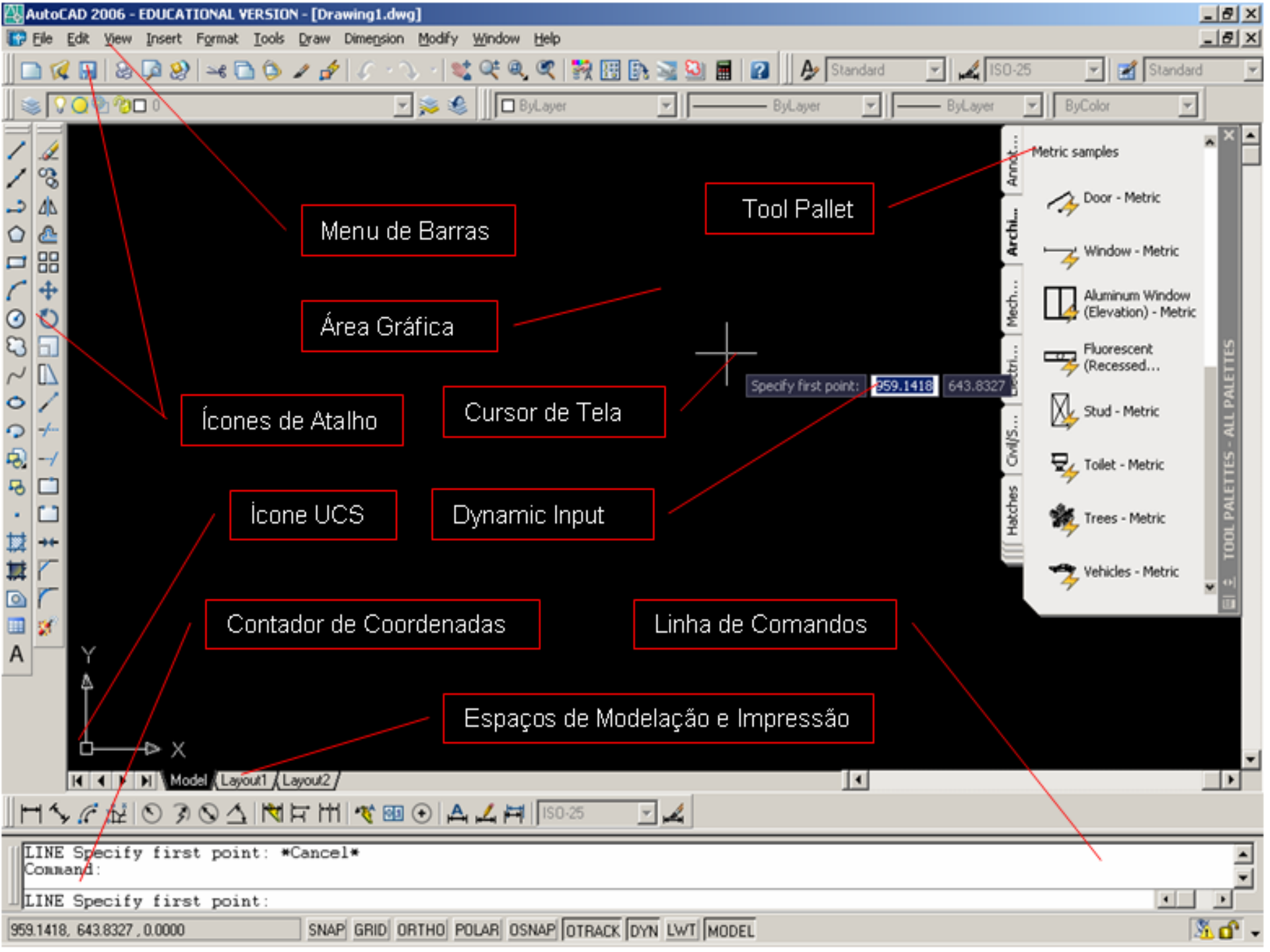
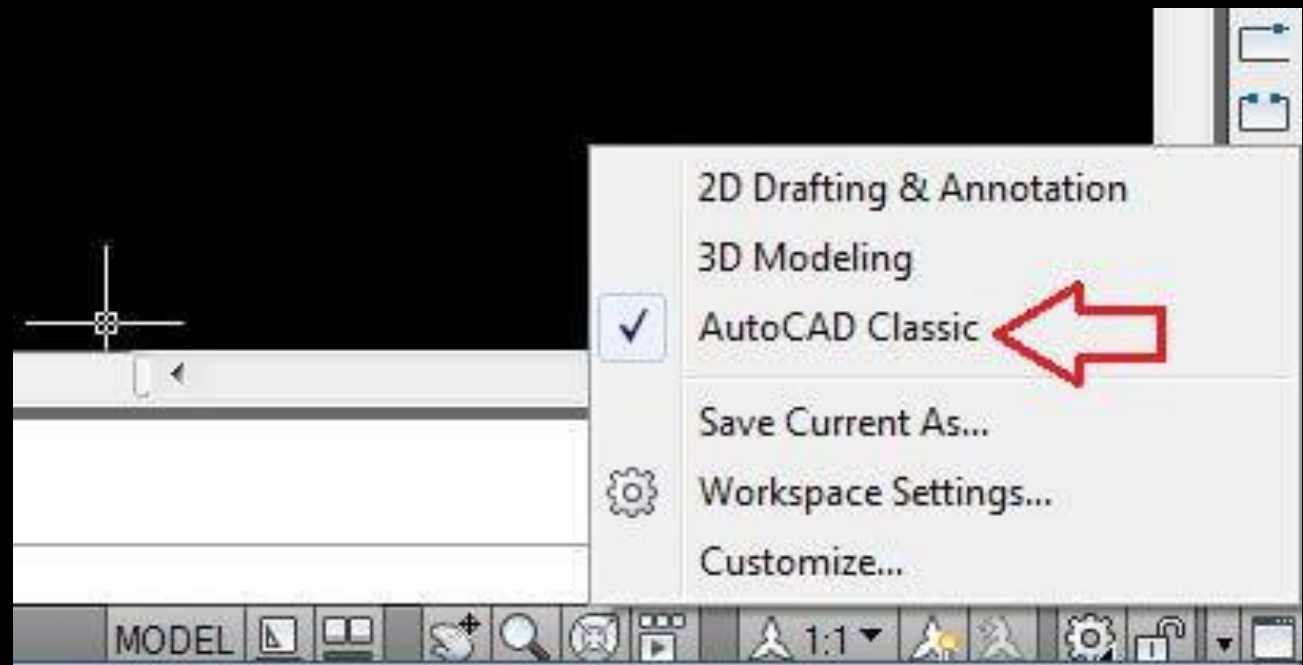
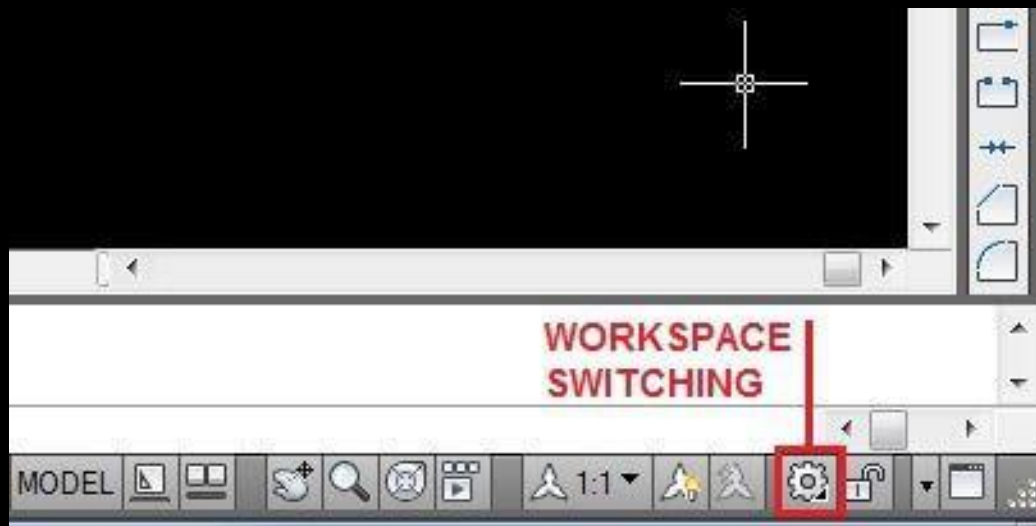


DESENHO TÉCNICO E ARQUITETÔNICO

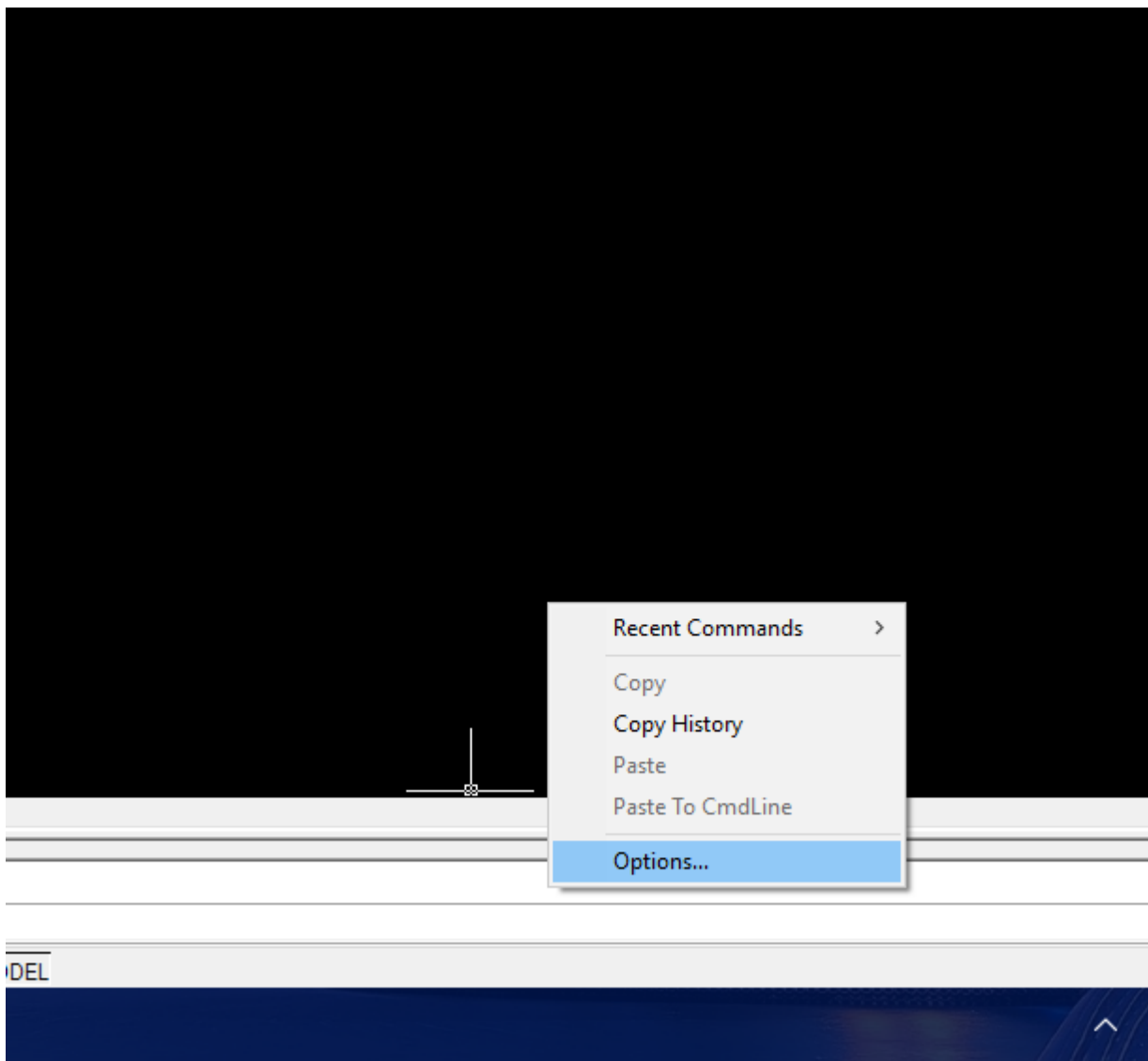
REPRESENTAÇÃO DE PROJETOS DE
ARQUITETURA COM O AUTOCAD 2D

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





CONFIGURAÇÃO PRIMÁRIA



Current profile: <<Unnamed Profile>>

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:

<<Unnamed Profile>>



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:

<<Unnamed Profile>>



Current drawing:

Drawing1.dwg

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

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Undo/Redo

- Combine zoom and pan commands

Lineweight Settings...

Edit Scale List...

OK

Cancel

Apply

Help

Current profile: <<

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 & Close

Cancel

Help

OK

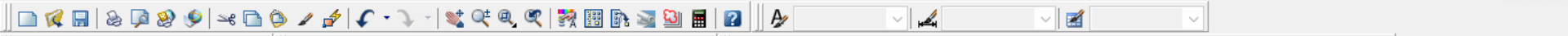
Cancel

Apply

Help

AutoCAD 2007 - [Drawing1.dwg]

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



AutoCAD Classic ByLayer ByLayer ByLayer ByColor



Model / Layout1 / Layout2

Command:
Command:

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

Ativar as seguintes barras

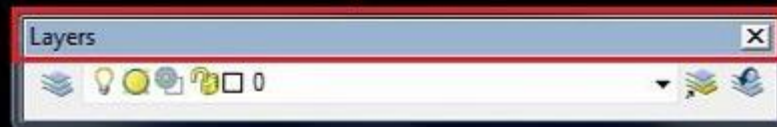


- 3D Navigation
- CAD Standards
- Camera Adjustment
- ✓ Dimension
- ✓ Draw
- ✓ Draw Order
- ✓ Inquiry
- Insert
- ✓ Layers
- ✓ Layers II
- Layouts
- Lights
- Mapping
- Modeling
- ✓ Modify
- Modify II
- Object Snap

- Orbit
- ✓ Properties
- Refedit
- Reference
- Render
- Solid Editing
- ✓ Standard
- ✓ Styles
- ✓ Text
- ✓ UCS
- UCS II
- ✓ View
- Viewports
- Visual Styles
- Walk and Fly
- Web



**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

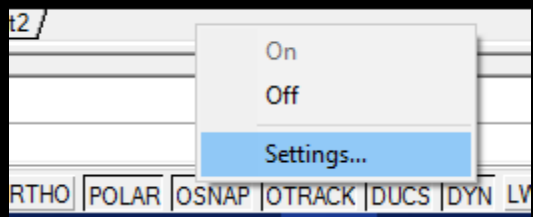
Standard ISO-25 Standard ByLayer ByLayer ByLayer ByColor



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


Drafting Settings [?] [X]

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

Enable Pointer Input

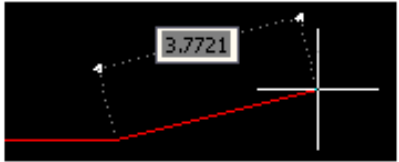
Enable Dimension Input where possible

Pointer Input




Settings...

Dimension Input




Settings...

Dynamic Prompts



Show command prompting and command input near the crosshairs

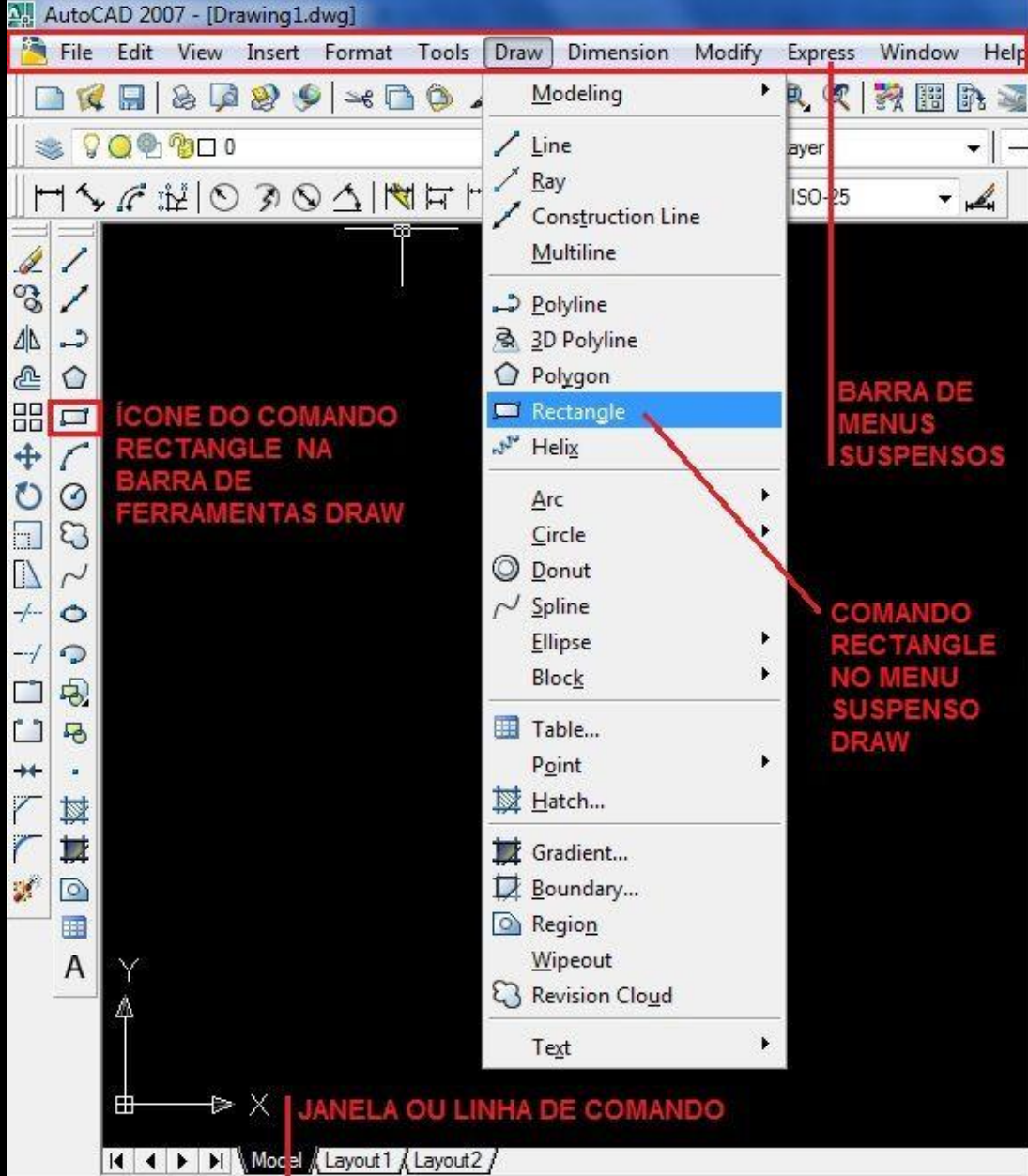
 In a dynamic prompt, press the Down Arrow key to access options.

Drafting Tooltip Appearance...

Options... **OK** Cancel Help

Layout2

IND | ORTHO | POLAR | OSNAP | OTRACK | DUCS | DYN | LWT | MODEL



ÍCONE DO COMANDO RECTANGLE NA BARRA DE FERRAMENTAS DRAW

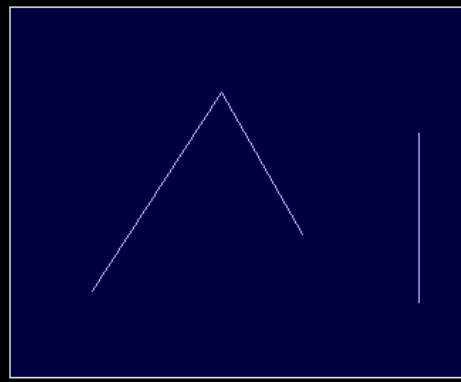
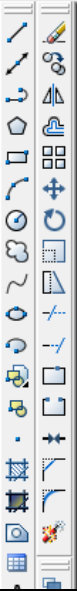
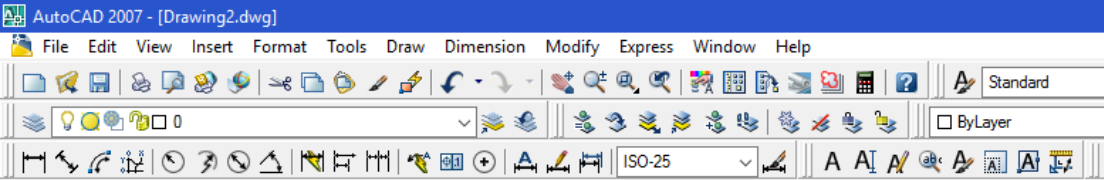
BARRA DE MENUS SUSPENSOS

COMANDO RECTANGLE NO MENU SUSPENSO DRAW

JANELA OU LINHA DE COMANDO

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

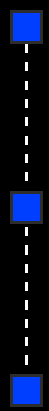
Creates a rectangular polyline: RECTANG



| 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

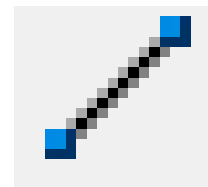
ZOOM WINDOW

ZOOM PREVIOUS

LINE

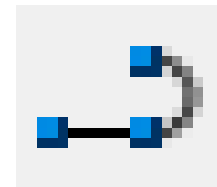
| O comando Line permite desenhar linhas independentes.

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.

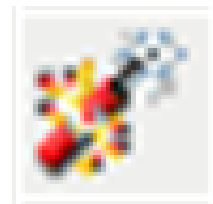


POLYLINE

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.