



ATHENA 2010

ATHENA commands in the AutoCAD tool palette

What are palettes?

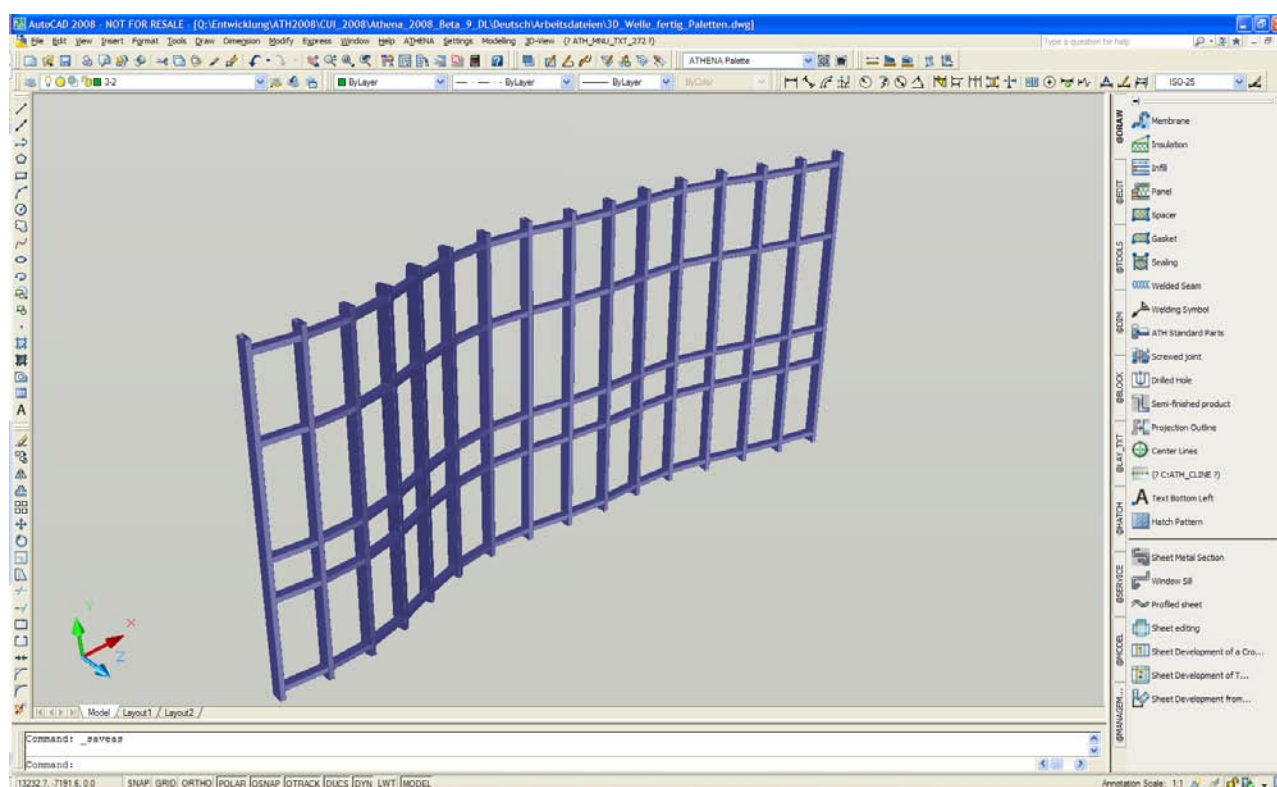
Since AutoCAD 2004, along with command lines, pull-down menus and toolbars, Autodesk has been employing tool palettes as a further element in the operation of AutoCAD.

In order to help our customers appreciate the use of palettes, we have for ATHENA 2009 enclosed ten tool palettes in this folder as examples.

Tool palettes offer some advantages compared to normal toolbars.

They can be anchored to the edge of the screen or be positioned floating freely on the screen. Alternatively, they can be automatically masked out or remain opened up continuously.

In particular with the use of wide-screen monitors the application of palettes presents itself instead of or as a complement to toolbars. Even with a generously wide palette at the screen edge, still more space than DIN landscape format remains as visible drawing area.



In contrast to the toolbars, in the palettes along with the icon there is also the command name. This means that newcomers soon feel at home and they quickly become familiar with the significance of the icons. But also at presentations, long-experienced tablet users commented positively about this form of command input.



We have produced the following example palettes for you:

- @DRAW	Frequently used ATHENA drawing commands
- @STANDARD	Standard parts
- @EDIT	Modification commands and drawing aids
- @MODIFY	Modification commands
- @DWG-AIDS	Drawing aids
- @ENGINEERING	Engineering tools
- @DIMENSION	Frequently used dimensioning commands.
- @BLOCK	Block commands
- @HATCH	Hatch patterns for materials
- @LAY_TXT	Layer and text commands.
- @LAYER	Layer commands.
- @ TEXT	Text commands.
- @PROFILES	Profiles from specific manufacturers
- @SERVICE	Settings and plot scripts
- @MODEL	modeling - use of 3D data
- @MANAGEMENT	modeling – creating 3D data and evaluating models.
- @METRIC	ATHENA settings for metric units
- @IMPERIAL	ATHENA settings for imperial units
- @ATH_A	Palette „symbol only“ with most frequently used commands
- @ATH_B	Palette „symbol only“ with 3D and other commands
- @LINES	Lines and text commands from ATH_USER.CUI
- @ALLE	Palette „symbol only“ with all commands for customization
- @Spacer Variants	Commands for spacers with preset material

As you can see, we have put a "@" before the palette designation. We have done that to be able to differentiate better in the overview between the ATHENA palettes and the AutoCAD tool palettes.

➔ *You can use the examples as templates for individual adaptation. You can, of course, use the palettes as you find them here, but you will profit most from them, if you adapt and optimize the palettes to your requirements.*

On the following two pages you will find an overview with the content of our ten example palettes. In the document "Setting up ATHENA palettes" you will learn how you can import the palettes into AutoCAD and apply them.

Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA
<div> <div>@Draw</div> <div> <div></div> <div>Dimension Object</div> </div> <div> <div></div> <div>Connected Dimension</div> </div> <div> <div></div> <div>Rotated Dimension</div> </div> <div> <div></div> <div>Peripheral Dimensioning</div> </div> <div> <div></div> <div>ATHENA Updat...</div> </div> </div> <div> <div>@Mod...</div> <div> <div></div> <div>Parts labeling</div> </div> <div> <div></div> <div>ATHENA Leader</div> </div> </div> <div> <div>@Dwg...</div> <div> <div></div> <div>Position Symbols</div> </div> <div> <div></div> <div>Change labeling scale</div> </div> </div> <div> <div>@Engi...</div> <div> <div></div> <div>Interrupted Dimension</div> </div> <div> <div></div> <div>Define Interrupted Dimension</div> </div> <div> <div></div> <div>Set Interrupted Dimension</div> </div> <div> <div></div> <div>Divide dimension</div> </div> </div> <div> <div>@Dim...</div> <div> <div></div> <div>Vertical Levels</div> </div> <div> <div></div> <div>Horizontal Levels</div> </div> <div> <div></div> <div>Plan View Level</div> </div> </div> <div> <div>@Block</div> <div> <div></div> <div>Section symbol ???</div> </div> <div> <div></div> <div>Coordinate Dimension</div> </div> <div> <div></div> <div>Arrange Dimensions</div> </div> <div> <div></div> <div>Arrange dimension texts</div> </div> <div> <div></div> <div>Manage dimension styles</div> </div> <div> <div></div> <div>Infills</div> </div> </div> <div> <div>@Layer</div> <div> <div></div> <div>Change Dimension Height</div> </div> <div> <div></div> <div>Dimension Scale Factor 1:1</div> </div> <div> <div></div> <div>Dimension Scale Factor 1:X</div> </div> </div>	<div> <div>@Draw</div> <div> <div></div> <div>Insert Block</div> </div> <div> <div></div> <div>Insert WBlock</div> </div> <div> <div></div> <div>Save WBlock</div> </div> <div> <div></div> <div>WBlock Text Frame</div> </div> <div> <div></div> <div>Create Unnamed Block</div> </div> </div> <div> <div>@Mod...</div> <div> <div></div> <div>Block element visibility</div> </div> <div> <div></div> <div>Assign block label</div> </div> </div> <div> <div>@Dwg...</div> <div> <div></div> <div>Save Intermediate Block</div> </div> <div> <div></div> <div>Insert Intermediate Block</div> </div> </div> <div> <div>@Engi...</div> <div> <div></div> <div>Save User Block</div> </div> <div> <div></div> <div>Insert User Block</div> </div> </div> <div> <div>@Block</div> <div> <div></div> <div>Create Group</div> </div> <div> <div></div> <div>Explode Group</div> </div> </div> <div> <div>@Lay_...</div> <div> <div></div> <div>Insert Drawing Frame</div> </div> <div> <div></div> <div>Complete Caption</div> </div> <div> <div></div> <div>Read out caption</div> </div> <div> <div></div> <div>Insert plan index</div> </div> </div> <div> <div>@Text</div> <div> <div></div> <div>Insert XRef</div> </div> <div> <div></div> <div>Bind and Insert all XRefs</div> </div> </div> <div> <div>@Profi...</div> <div> <div></div> <div>Display Limits</div> </div> <div> <div></div> <div>Block Manager</div> </div> </div>	<div> <div>@Draw</div> <div> <div></div> <div>Aluminum Left</div> </div> <div> <div></div> <div>Aluminum Right</div> </div> <div> <div></div> <div>Concrete Left</div> </div> <div> <div></div> <div>Concrete Right</div> </div> <div> <div></div> <div>Flexible Material Horizontal</div> </div> <div> <div></div> <div>Flexible Material Vertical</div> </div> <div> <div></div> <div>Glass Vertical</div> </div> <div> <div></div> <div>Glass Horizontal</div> </div> <div> <div></div> <div>Gravel</div> </div> <div> <div></div> <div>Lumber Vertical</div> </div> <div> <div></div> <div>Lumber Horizontal</div> </div> <div> <div></div> <div>Wood</div> </div> <div> <div></div> <div>Natural Stone Vertical</div> </div> <div> <div></div> <div>Natural Stone Horizontal</div> </div> <div> <div></div> <div>Plaster Horizontal</div> </div> <div> <div></div> <div>Plaster Vertical</div> </div> <div> <div></div> <div>Roughcast</div> </div> <div> <div></div> <div>Screed Left</div> </div> <div> <div></div> <div>Screed Right</div> </div> <div> <div></div> <div>Solid</div> </div> <div> <div></div> <div>Steel Left</div> </div> <div> <div></div> <div>Steel Right</div> </div> <div> <div></div> <div>Stone Big</div> </div> <div> <div></div> <div>Stone Small</div> </div> <div> <div></div> <div>Synthetic Material</div> </div> <div> <div></div> <div>Various</div> </div> </div> <div> <div>@Man...</div> <div> <div></div> <div>Hatch</div> </div> <div> <div></div> <div>Hatch Pattern</div> </div> <div> <div></div> <div>Hatch Edit</div> </div> </div>	<div> <div>@Draw</div> <div> <div></div> <div>Purge layer definitions</div> </div> <div> <div></div> <div>Freeze Layer</div> </div> <div> <div></div> <div>Thaw Layer</div> </div> <div> <div></div> <div>Layer OFF</div> </div> <div> <div></div> <div>Layer ON</div> </div> <div> <div></div> <div>Lock Layer</div> </div> <div> <div></div> <div>Unlock Layer</div> </div> <div> <div></div> <div>Modify Layer</div> </div> <div> <div></div> <div>Delete Layer</div> </div> </div> <div> <div>@Engi...</div> <div> <div></div> <div>Objects invisible</div> </div> <div> <div></div> <div>Objects visible</div> </div> </div> <div> <div>@Block</div> <div> <div></div> <div>Text Bottom Left</div> </div> <div> <div></div> <div>Text Bottom Right</div> </div> <div> <div></div> <div>Text Bottom Centered</div> </div> <div> <div></div> <div>Text Middle Centered</div> </div> </div> <div> <div>@Lay_...</div> <div> <div></div> <div>Manage text styles</div> </div> <div> <div></div> <div>Change Text, Multiple Same</div> </div> <div> <div></div> <div>Change Text, Multipl...</div> </div> <div> <div></div> <div>Modify Text Properties</div> </div> <div> <div></div> <div>Convert Text</div> </div> </div> <div> <div>@Layer</div> <div> <div></div> <div>Text Multilingual</div> </div> <div> <div></div> <div>Set Text Language</div> </div> </div> <div> <div>@Model</div> <div> <div></div> <div>Table Properties</div> </div> <div> <div></div> <div>Table Update</div> </div> <div> <div></div> <div>Table Import</div> </div> <div> <div></div> <div>Table Export</div> </div> <div> <div></div> <div>Parts Count</div> </div> </div>	<div> <div>@Draw</div> <div> <div></div> <div>Purge layer definitions</div> </div> <div> <div></div> <div>Freeze Layer</div> </div> <div> <div></div> <div>Thaw Layer</div> </div> <div> <div></div> <div>Layer OFF</div> </div> <div> <div></div> <div>Layer ON</div> </div> <div> <div></div> <div>Lock Layer</div> </div> <div> <div></div> <div>Unlock Layer</div> </div> <div> <div></div> <div>Modify Layer</div> </div> <div> <div></div> <div>Delete Layer</div> </div> </div> <div> <div>@Engi...</div> <div> <div></div> <div>Objects invisible</div> </div> <div> <div></div> <div>Objects visible</div> </div> </div>	<div> <div>@Draw</div> <div> <div></div> <div>Text Bottom Left</div> </div> <div> <div></div> <div>Text Bottom Right</div> </div> <div> <div></div> <div>Text Bottom Centered</div> </div> <div> <div></div> <div>Text Middle Centered</div> </div> </div> <div> <div>@Edit</div> <div> <div></div> <div>Manage text styles</div> </div> <div> <div></div> <div>Change Text, Multiple Same</div> </div> <div> <div></div> <div>Change Text, Multipl...</div> </div> <div> <div></div> <div>Modify Text Properties</div> </div> <div> <div></div> <div>Convert Text</div> </div> </div> <div> <div>@Dim...</div> <div> <div></div> <div>Text Multilingual</div> </div> <div> <div></div> <div>Set Text Language</div> </div> </div> <div> <div>@Block</div> <div> <div></div> <div>Table Properties</div> </div> <div> <div></div> <div>Table Update</div> </div> <div> <div></div> <div>Table Import</div> </div> <div> <div></div> <div>Table Export</div> </div> <div> <div></div> <div>Parts Count</div> </div> </div>
07 Dimensions	08 Block	09 Hatch	10 Lay_Txt	11 Layer	12 Text

Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA	Tool Palettes - ATHENA
<div><div>@Draw</div><div> Schueco</div></div> <div><div>@Stan...</div><div> Forster</div></div> <div><div>@Stan...</div><div> Hartmann</div></div> <div><div>@Edit</div><div> Hueck</div></div> <div><div>@Edit</div><div> Jansen</div></div> <div><div>@Mod...</div><div> Koemmerling</div></div> <div><div>@Mod...</div><div> RP-Technik</div></div> <div><div>@Dwg...</div><div> Raico</div></div> <div><div>@Dwg...</div><div> Staba</div></div> <div><div>@Engi...</div><div> Warema</div></div> <div><div>@Engi...</div><div> Wicona</div></div> <div><div>@Dim...</div><div> Reynears</div></div> <div><div>@Dim...</div><div> Reynolds</div></div> <div><div>@Block</div><div> Nufer</div></div> <div><div>@Block</div><div> Menziken</div></div> <div><div>@Hatch</div><div> Gilgen</div></div> <div><div>@Lay_...</div><div> Ekonal</div></div> <div><div>@Lay_...</div><div> DRL</div></div> <div><div>@Layer</div><div> Nova</div></div> <div><div>@Layer</div><div> RC</div></div> <div><div>@Text</div><div> Alusuisse</div></div> <div><div>@Text</div><div> UserBlock</div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	<div><div>@Draw</div><div> Load Layer</div></div> <div><div>@Stan...</div><div> Manage system variables</div></div> <div><div>@Stan...</div><div> ATHENA Match Properties</div></div> <div><div>@Edit</div><div> Regen</div></div> <div><div>@Edit</div><div> Set Default</div></div> <div><div>@Mod...</div><div> ATHENA Help</div></div> <div><div>@Mod...</div><div></div></div> <div><div>@Dwg...</div><div> Deactivate ATHENA objects</div></div> <div><div>@Dwg...</div><div> Activate ATHENA objects</div></div> <div><div>@Engi...</div><div> Adjust Plot Script File</div></div> <div><div>@Engi...</div><div> Plot 01</div></div> <div><div>@Dim...</div><div> Plot 02</div></div> <div><div>@Dim...</div><div> Plot 03</div></div> <div><div>@Block</div><div> Plot 04</div></div> <div><div>@Block</div><div> Plot 05</div></div> <div><div>@Hatch</div><div> Plot 06</div></div> <div><div>@Lay_...</div><div></div></div> <div><div>@Lay_...</div><div> Create Script</div></div> <div><div>@Layer</div><div></div></div> <div><div>@Layer</div><div></div></div> <div><div>@Text</div><div></div></div> <div><div>@Text</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	<div><div>@Draw</div><div> Auxiliary Constructions</div></div> <div><div>@Stan...</div><div> UCS Objects</div></div> <div><div>@Stan...</div><div></div></div> <div><div>@Edit</div><div> Apply bar assembly</div></div> <div><div>@Edit</div><div> Reattach bar assembly</div></div> <div><div>@Mod...</div><div> (? C:ATH_AXIS ?)</div></div> <div><div>@Mod...</div><div> Apply infill</div></div> <div><div>@Dwg...</div><div> Apply assembly</div></div> <div><div>@Dwg...</div><div> Object to solid body</div></div> <div><div>@Engi...</div><div> Apply process infill</div></div> <div><div>@Engi...</div><div> Assign process infill</div></div> <div><div>@Dim...</div><div> Apply Arrangement</div></div> <div><div>@Block</div><div> Cutting</div></div> <div><div>@Block</div><div> Copy Cutting</div></div> <div><div>@Hatch</div><div> Remove Cutting</div></div> <div><div>@Lay_...</div><div> Slice Profile</div></div> <div><div>@Layer</div><div> Determine bar joint</div></div> <div><div>@Layer</div><div> Determine infill</div></div> <div><div>@Text</div><div> Determine glazing</div></div> <div><div>@Text</div><div></div></div> <div><div>@Profi...</div><div> Analyse axis model</div></div> <div><div>@Profi...</div><div> Reset axis model</div></div> <div><div>@Servi...</div><div> Show associated bar nodes</div></div> <div><div>@Servi...</div><div> Define nodes</div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	<div><div>@Draw</div><div> Bar assembly manager</div></div> <div><div>@Stan...</div><div> Infill manager</div></div> <div><div>@Stan...</div><div></div></div> <div><div>@Edit</div><div> Create component</div></div> <div><div>@Edit</div><div> Assembly manager</div></div> <div><div>@Mod...</div><div> Modify assembly</div></div> <div><div>@Mod...</div><div></div></div> <div><div>@Dwg...</div><div> Bar joint manager</div></div> <div><div>@Dwg...</div><div> Process manager</div></div> <div><div>@Engi...</div><div> Arrangement Manager</div></div> <div><div>@Engi...</div><div></div></div> <div><div>@Dim...</div><div> Display Modes</div></div> <div><div>@Dim...</div><div></div></div> <div><div>@Block</div><div> Positions</div></div> <div><div>@Block</div><div> Position model</div></div> <div><div>@Hatch</div><div></div></div> <div><div>@Lay_...</div><div> Bar List</div></div> <div><div>@Lay_...</div><div> Infill List</div></div> <div><div>@Layer</div><div> Assembly List</div></div> <div><div>@Layer</div><div></div></div> <div><div>@Text</div><div> Bar Diagram</div></div> <div><div>@Text</div><div> Infill Diagram</div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Profi...</div><div> Isolate bar</div></div> <div><div>@Servi...</div><div> Section</div></div> <div><div>@Servi...</div><div> Generate section</div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	<div><div>@Draw</div><div>SETTINGS IMPERIAL</div></div> <div><div>@Stan...</div><div></div></div> <div><div>@Edit</div><div>DIMENSION TEXT HEIGHT:</div></div> <div><div>@Mod...</div><div><input type="text" value="1/16"/></div></div> <div><div>@Mod...</div><div><input type="text" value="3/32"/></div></div> <div><div>@Dwg...</div><div><input type="text" value="1/8"/></div></div> <div><div>@Dwg...</div><div><input type="text" value="3/16"/></div></div> <div><div>@Engi...</div><div><input type="text" value="1/4"/></div></div> <div><div>@Engi...</div><div><input type="text" value="3/8"/></div></div> <div><div>@Dim...</div><div><input type="text" value="1/2"/></div></div> <div><div>@Dim...</div><div><input type="text" value="3/4"/></div></div> <div><div>@Block</div><div><input type="text" value="1"/></div></div> <div><div>@Block</div><div><input type="text" value="1 1/2"/></div></div> <div><div>@Hatch</div><div><input type="text" value="3"/></div></div> <div><div>@Lay_...</div><div><input type="text" value="6"/></div></div> <div><div>@Lay_...</div><div><input type="text" value="1' 0"/></div></div> <div><div>@Layer</div><div><input type="text" value="?'?"/></div></div> <div><div>@Text</div><div></div></div> <div><div>@Text</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	<div><div>@Draw</div><div>SETTINGS METRIC</div></div> <div><div>@Stan...</div><div></div></div> <div><div>@Edit</div><div>DIMENSION TEXT HEIGHT.</div></div> <div><div>@Mod...</div><div><input type="text" value="_1.00_3.5mm"/></div></div> <div><div>@Mod...</div><div><input type="text" value="_1.43_5.0mm"/></div></div> <div><div>@Dwg...</div><div><input type="text" value="_2.00_7.0mm"/></div></div> <div><div>@Dwg...</div><div><input type="text" value="_2.86_10.0mm"/></div></div> <div><div>@Engi...</div><div><input type="text" value="_4.00_14.0mm"/></div></div> <div><div>@Engi...</div><div><input type="text" value="_5.71_20.0mm"/></div></div> <div><div>@Dim...</div><div><input type="text" value="_8.00_28.0mm"/></div></div> <div><div>@Dim...</div><div><input type="text" value="_10.00_35.0mm"/></div></div> <div><div>@Block</div><div><input type="text" value="_14.30_50.0mm"/></div></div> <div><div>@Block</div><div><input type="text" value="_20.00_70.0mm"/></div></div> <div><div>@Block</div><div><input type="text" value="_28.60_100.0mm"/></div></div> <div><div>@Hatch</div><div><input type="text" value="_40.00_140.0mm"/></div></div> <div><div>@Lay_...</div><div><input type="text" value="_50.00_175.0mm"/></div></div> <div><div>@Lay_...</div><div><input type="text" value="_71.40_250.0mm"/></div></div> <div><div>@Layer</div><div><input type="text" value="___???.___????.?mm"/></div></div> <div><div>@Text</div><div></div></div> <div><div>@Text</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Profi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Servi...</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Model</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Man...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Impe...</div><div></div></div> <div><div>@Metric</div><div></div></div>	
13 Profiles	14 Service	15 Model	16 Management	17 Metric	18 Imperial	

Tool Palettes - ATH

Draw -----

@ATH_A

Modify -----

@ATH_B

Drawing Aids -----

@Lines

Dimensions -----

@all

Layer -----

@Spacer Variants

Text -----

Block -----

Engineering -----

Service -----

Viewport -----

19 ATH_A

Tool Palettes - ATH

Modelling - Manage -----

@ATH_A

Modeling - Use -----

@ATH_B

Modeling - Evaluate -----

@Lines

Numerical Block -----

@all

Compass Card -----

@Spacer Variants

20 ATH_B

Tool Palettes - ATH

ATHENA Lines -----

@ATH_A

ATHENA Text -----

@Lines

21 Lines

Tool Palettes - ATH

Draw -----

@ATH_A

Standard Parts -----

@ATH_B

Modify -----

@Lines

Drawing Aids -----

@all

Engineering -----

Dimensions -----

Block -----

Hatching -----

Layer -----

Text -----

Profiles -----

Service -----

Modelling -----

22 all

Tool Palettes - ATH

Spacer Aluminum

Spacer Concrete

Spacer Masonry

Spacer PVC

Spacer Steel

Spacer Timber

Spacer Wood

Extended Palettes

The palettes on the left show ATHENA commands with view option "icon only".

This allows to place multiple commands on one palette.

Further on the icon size is adjustable in 7 steps. This allows better adjustments for people who wear glasses.

View option and icon size can be set separately for each palette.

The sample palette „@all“ contents all ATHENA commands and is considered to be used for customization. Sometimes it is easier to delete what you do not need than to start from scratch.

23 Spacer Variants