Build Your One AutoCAD® Toolsets IQ!
Working with Blocks in AutoCAD

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About Us:

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This Webinar’s Agenda

- Creation of Blocks
- Block Editor Functionality
- Publish/saving blocks
- Other Tips & Tricks
Blocks

What are they & Why we use them

- Blocks are complex, compound objects made up of one or more entities combined into a single object. They are commonly used for symbols, parts, and title blocks etc.
  - Block Definition – Saved in drawing database
  - Block Reference – an instance of the block definition
  - Block Attributes – labels or tags that attach data to a block

- Provides advantages such as:
  - Save time by reducing the need for repetitive tasks
  - Ensure uniformity between identical copies of symbols, parts, furniture etc.
  - Automatic updates to block references after modifying block definitions
  - Reduction in file size
  - Allow creation of custom components with intelligence
Create Blocks

Modify Blocks (Block Editor Functionality)
- Inserting Attributes (with fields)
- Dynamic Block features
  - Basepoint
  - Lookup
  - Properties Table

Saving blocks for Future reuse
- Blocks Palette
- Tools Palette
- Design Center

Workflow
From creation to reuse
Blocks Tips & Tricks

Rename Blocks

- Command: **RENAME**
- ‘Rename To:’ button will update in place
- Click 'OK' to update changes in the drawing
- Rename Multiple blocks
  - * (Asterisk Mark)
  - ? (Question Mark)
Blocks Tips & Tricks

Block commands from Express tool (AutoCAD & Verticals)

- Explode Attributes : BURST
- Import/Export Attributes
- Replace Block
- List Properties
- Convert blocks to XREF
- Copy Nested Objects
- Extend to Nested Objects
- Trim to Nested Objects

Control panel > Programs and features > AutoCAD > Add or Remove features
Blocks Tips & Tricks

Counting Blocks

- Command: **BCOUNT** (Express Tool)
  - Note: **BCOUNT** does not select or count nested blocks or blocks nested in associative array objects.

- **SELECTSIMILAR** > Check properties

- **QSELECT** > Block Reference > Name
Additional Links:

- AutoCAD 2021 Help - Blocks
  - About Using a Block Properties Table
  - About Controlling the Visibility of Objects in Dynamic Blocks

- Past Webinars on blocks:
  - Working with Dynamic Blocks: AutoCAD 2017 WEBINAR | AutoCAD
  - Back to Basics: Introduction to Blocks in AutoCAD 2017 WEBINAR | AutoCAD
  - AutoCAD 2021 New Features Webinar (includes Block Palette Enhancements)

- Introduction of Design Center

- About the Blocks Palette
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