LRGVAIA
LOWER RIO GRANDE VALLEY
AMERICAN INSTITUTE OF ARCHITECTS

Provider Number: A090

AutoCAD is Still Everywhere

C23-08

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CONTINUING EDUCATION
AIA

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Course Description

C23-08

This presentation offers timesaving tips and tricks that will help users of Autodesk software increase their productivity. The class will show many new tools, introduced in the latest upgrades, that could be utilized, but also tips about existing tools many users don’t know about and that could be very helpful for increasing productivity. The class will offer tips of how to use AutoCAD as a common platform for importing files from other software and create professional details. Attendees will leave the class with increased knowledge about the program and ways to boost their productivity.

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Learning Objectives

At the end of the this course, participants will be able to:

- Learn about the newest tools of AutoCAD and how to apply them to increase productivity
- Learn about hidden tricks that will help you work faster and more efficiently
- Learn how to use AutoCAD as a common platform for other software files
- Learn how to incorporate 3D models from different programs to develop clear and professional details

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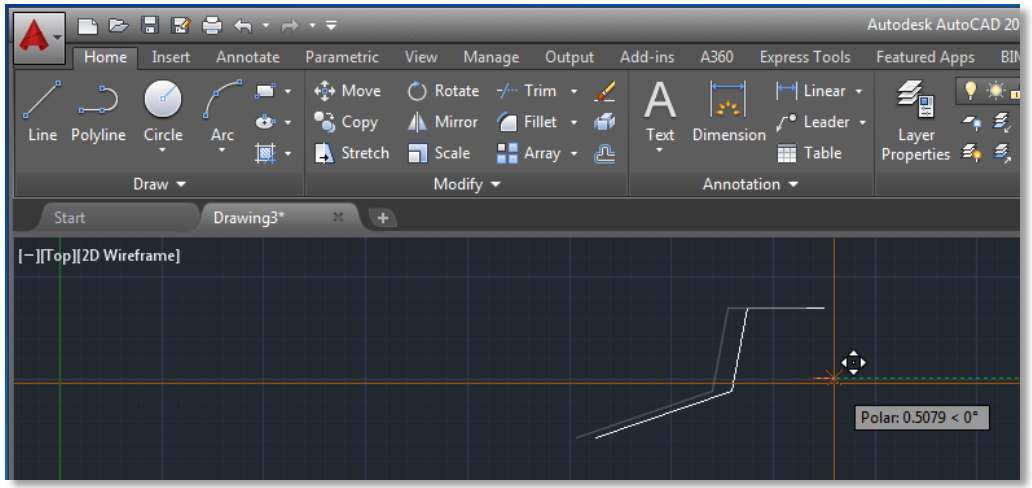
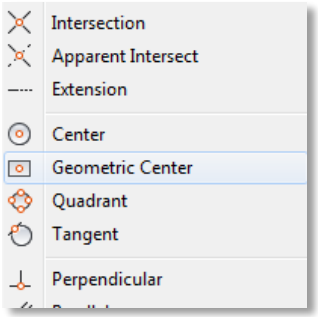
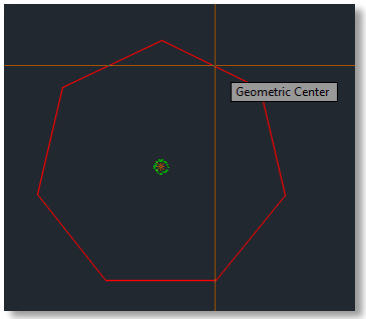
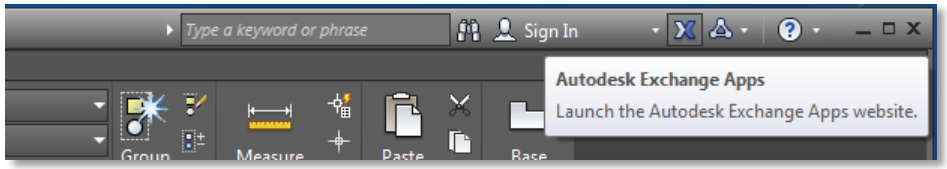
What is New in AutoCAD 2016 (and 2015)

- Start tab
- Dimensioning
- Geometric center osnap
- Revision cloud
- Autodesk Exchange Apps
- Other improvements





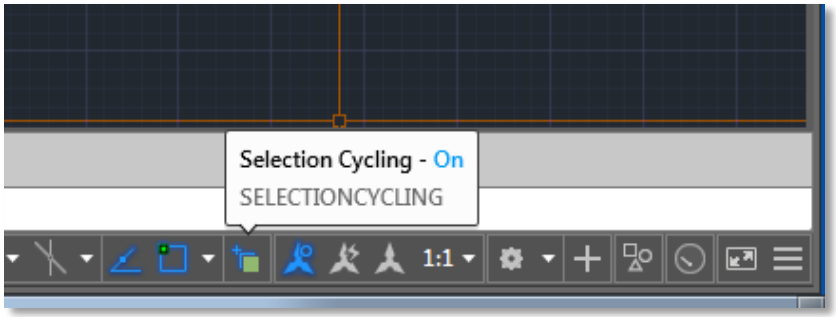


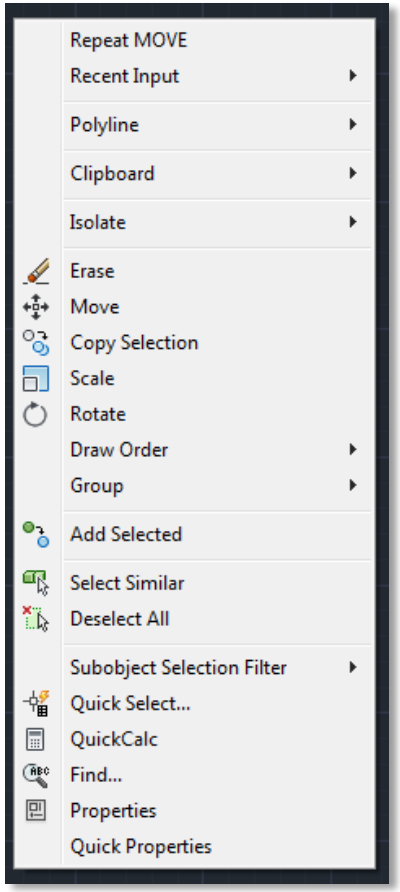


New and Old
Tips, Tricks and Timesavers

Selection tools

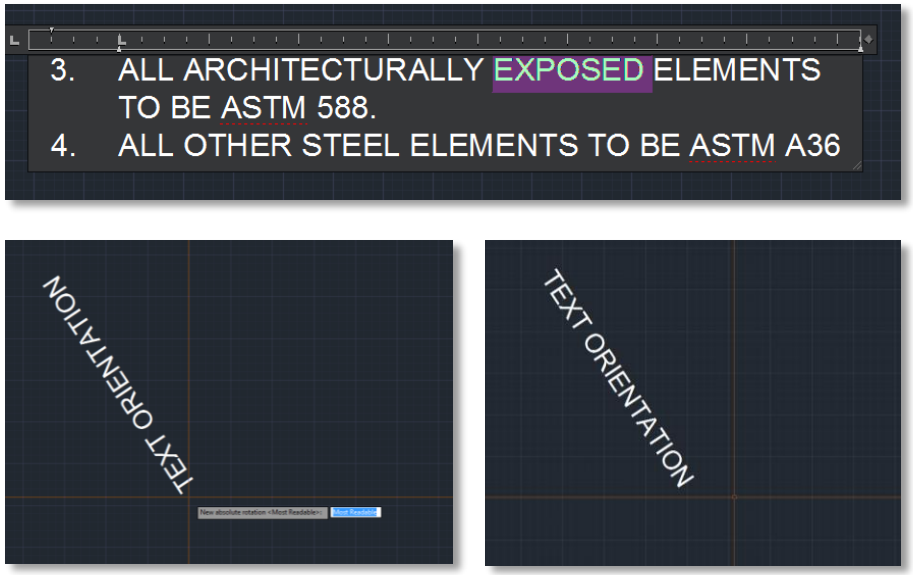
- Select similar
- Isolate / Un-isolate
- Add selected
- Quick select
- Selection Cycling
- Lasso selection
- Find





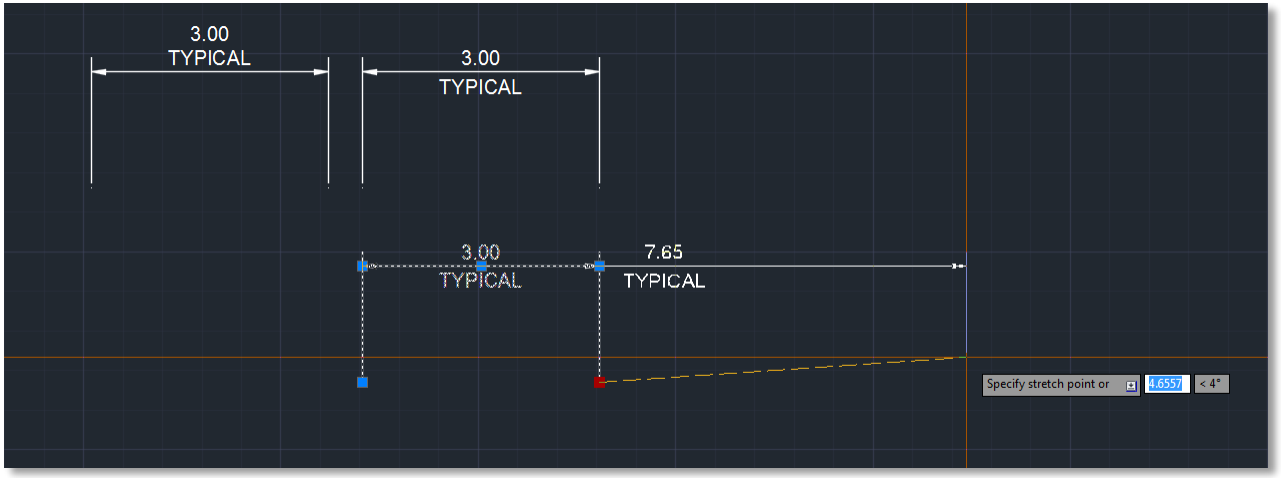
Working with text

- MTEXT editor – little known tricks
- TEXTALIGN
- Text justification
- Resizing text box
- TORIENT - Text orientation



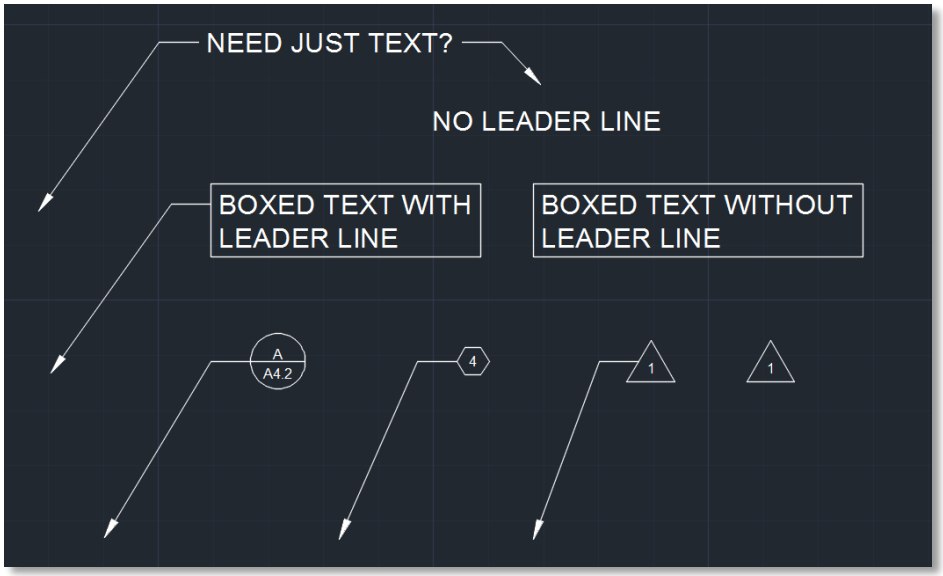
Working with dimensions

- QDIM – quick dimensioning and editing
- Stack dimensions - \X followed by text
- DIMSCALE set to 0 – for multiple viewport scales
- Trim and extend dimensions



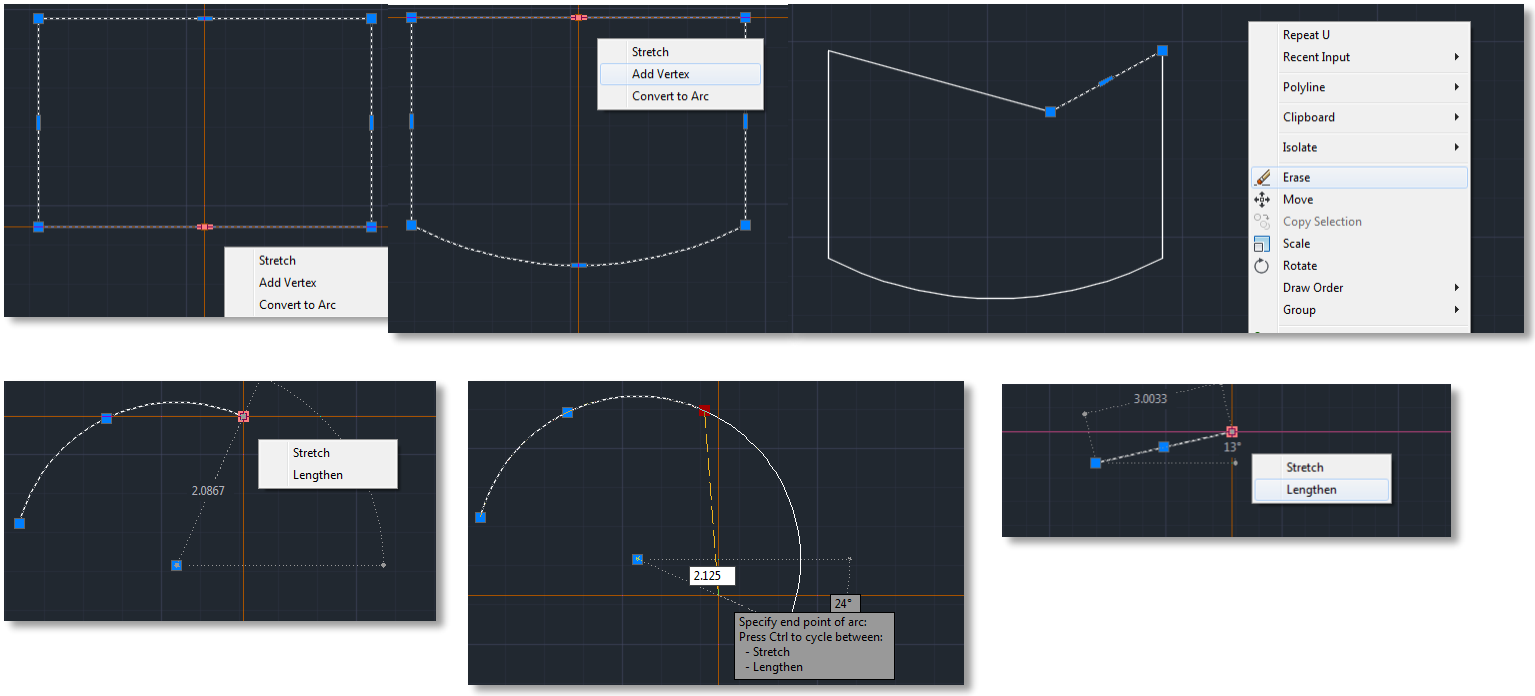
Working with multileaders

- No leader line, just text
- Leader with boxed text
- Leader with blocks



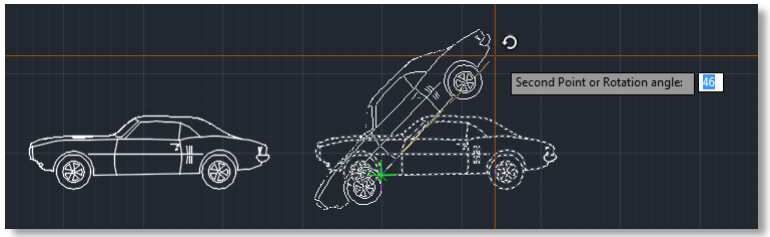
GRIPS Editing

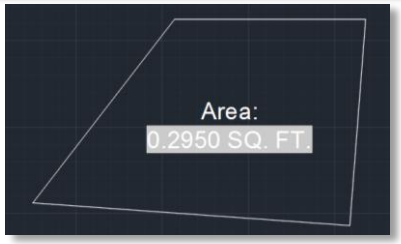
- Ojects: Lines, Polylines, Arcs, Arrays
- Dimensions
- Leaders

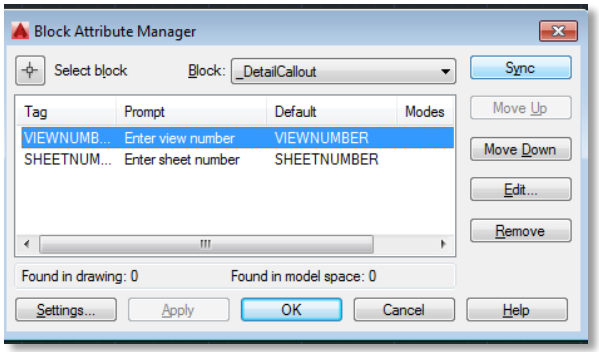


Objects creation and editing

- Layer creation – use of comma “,”
- PEDITACCEPT
- TRIM/EXTEND - Extend option
- Rotate using directions (N, S, E, W) - 90° increments
- Copy – Array option
- MOCORO – Move, Copy, Rotate within one command
- Automatic Area
- BATTMAN - when working with block attributes
- ATTIPEDIT – CTRL+select attribute line to edit

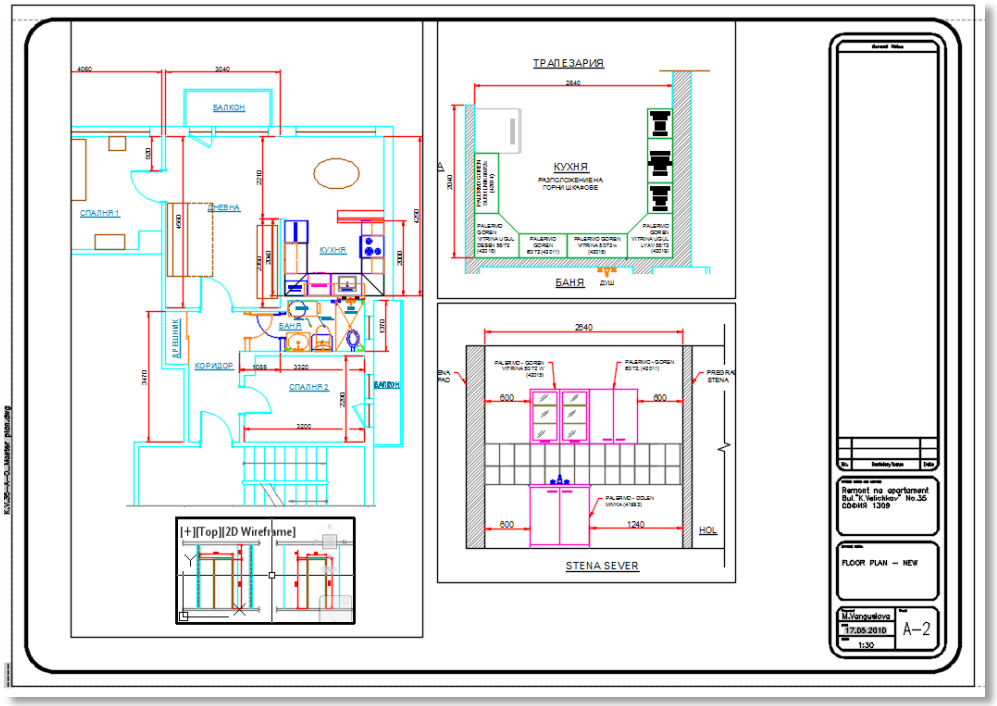






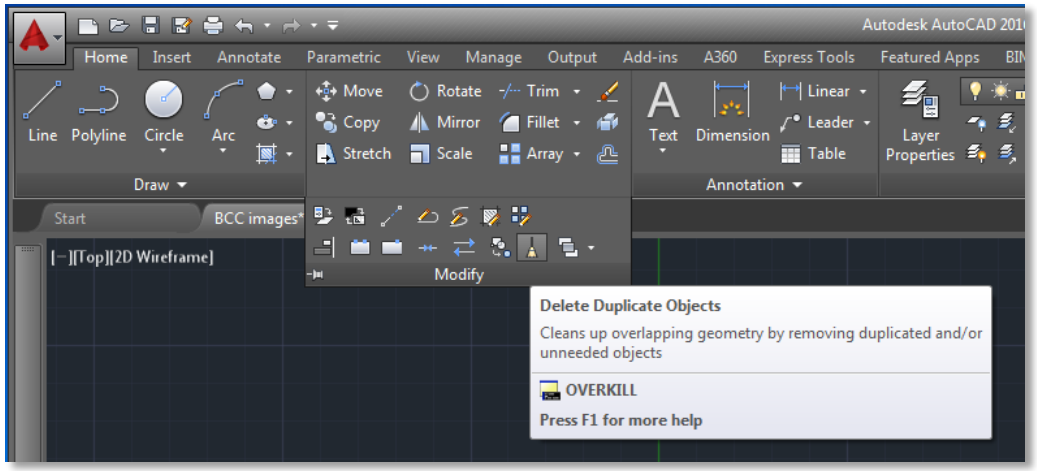
Viewports

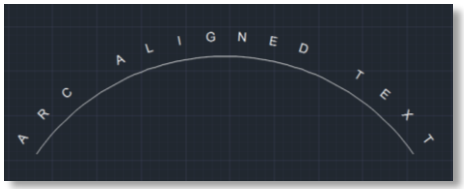
- Cycle viewports (CTRL+R)
- Spaceswich – to disable double click viewport activation
- VPLAYER



Some Express (or former Express) tools

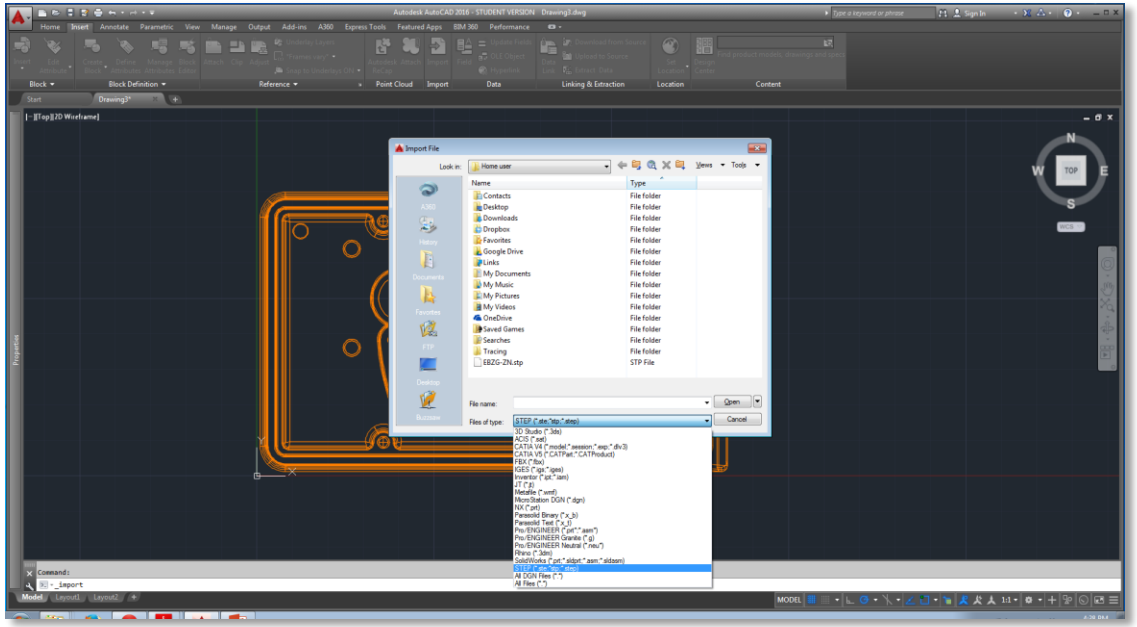
- Text tools:
  - Convert single line text to Mtext
  - Auto Number
  - Enclose text in object
  - Fit text
  - Arc Aligned
- OVERKILL – Delete Duplicate Objects (now in Home tab)
- SuperHatch
- BURST – explode block with attributes and keep attribute value

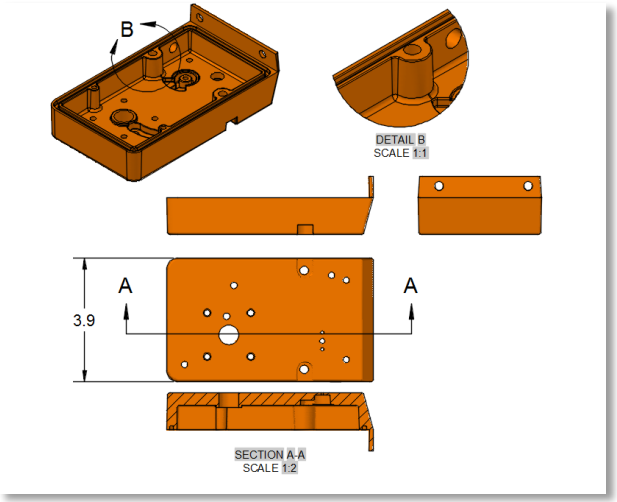




Common platform for Files from other software

- Import files created in Fusion 360, Inventor, SolidWorks, Rhino and many other software
- Create detail views
- Annotate





This concludes The American Institute of Architects Continuing Education Systems Course

THANK YOU FOR ATTENDING!

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