



AutoCAD[®] MEP 2012

What's New

Case Technologies, Inc.

Courtesy of Burns & McDonnell

Top Features

AutoCAD® MEP 2012 Software

Improved Usability

Increase productivity

- Associative Arrays
- Multifunctional Grips
- 3D Modeling Enhancements
- Command line Enhancements
- Optimize Performance

Drafting Productivity

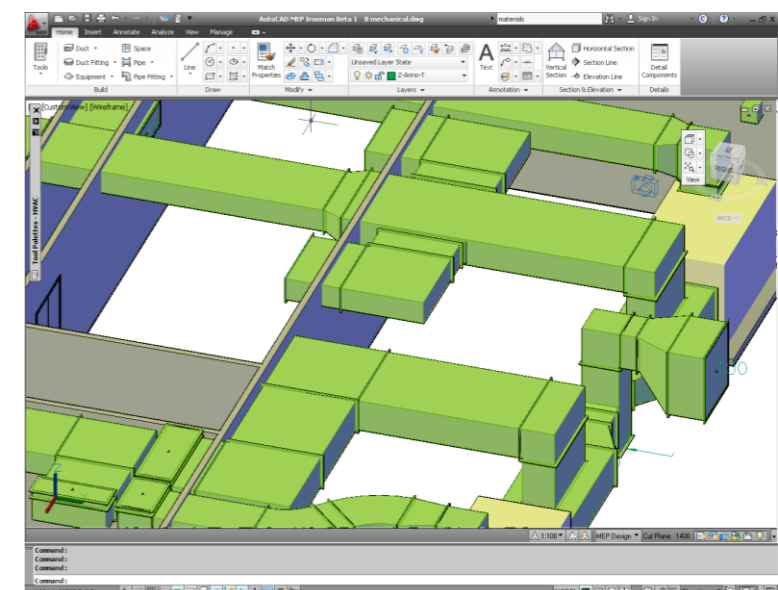
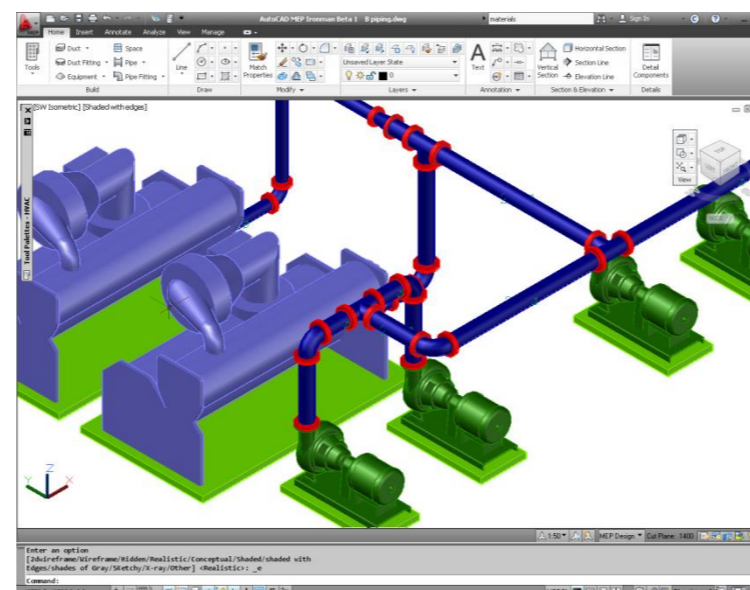
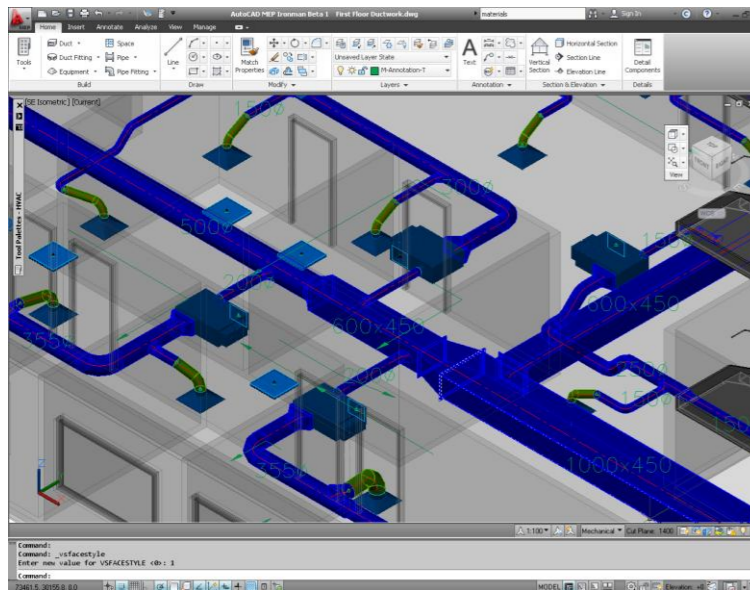
Automate drafting tasks

- Routing Enhancements
- Auto layout Enhancements
- Tool-based UI
- HVAC Engineer Units

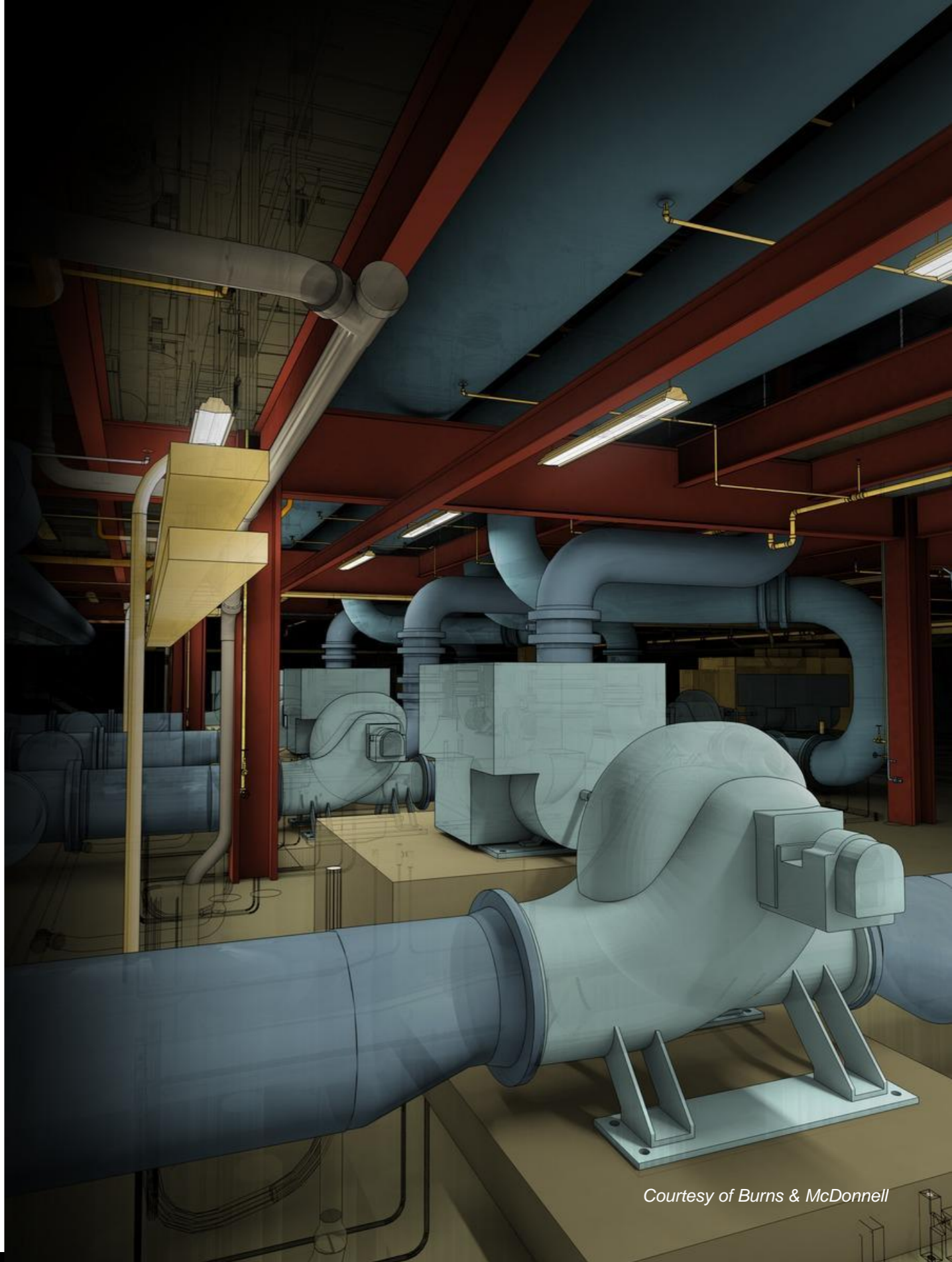
Enhanced Collaboration

Minimize design coordination errors

- IFC Data Support
- AutoCAD® Content Explorer™
- AutoCAD® WS Web and Mobile Applications
- Autodesk® Exchange



Improved Usability



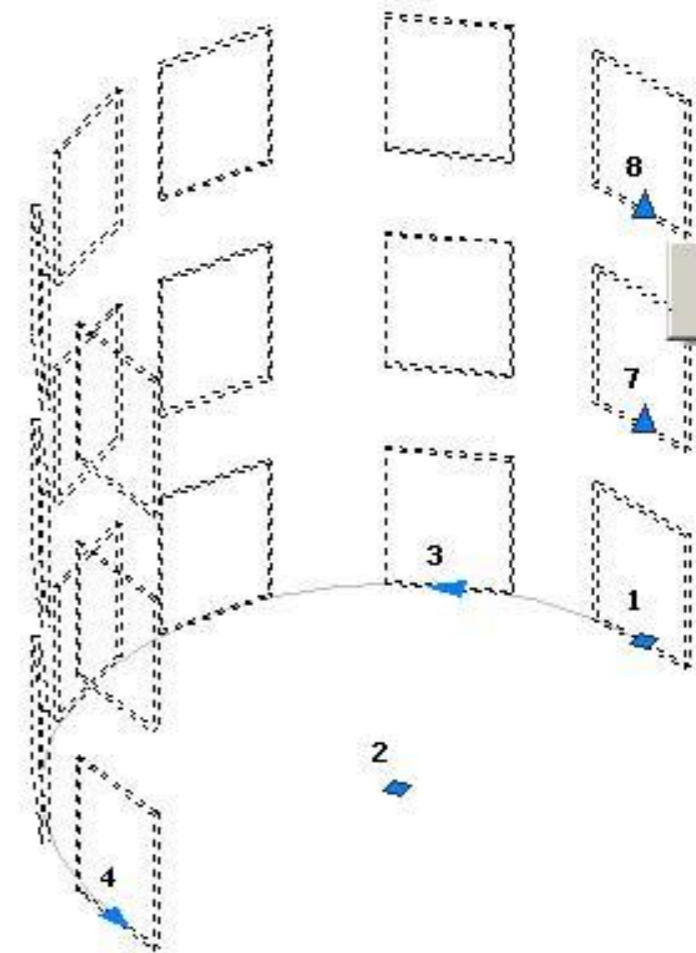
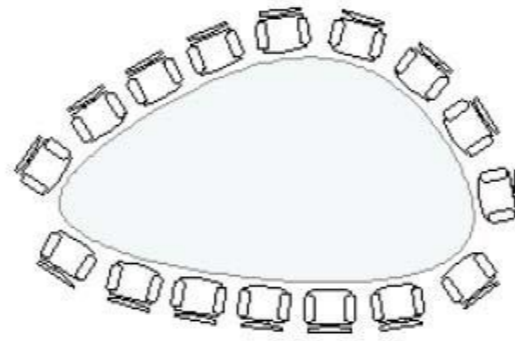
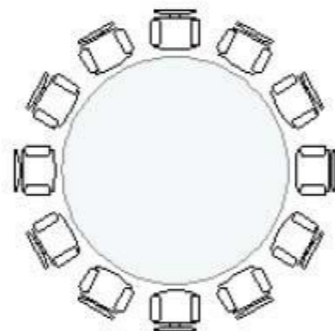
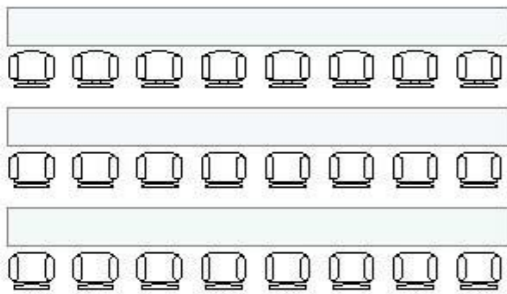
Courtesy of Burns & McDonnell

Improved Usability

AutoCAD MEP 2012

2D and 3D Associative Arrays

- Rectangular
- Path
- Polar



Lay out complex designs more easily with enhanced functionality

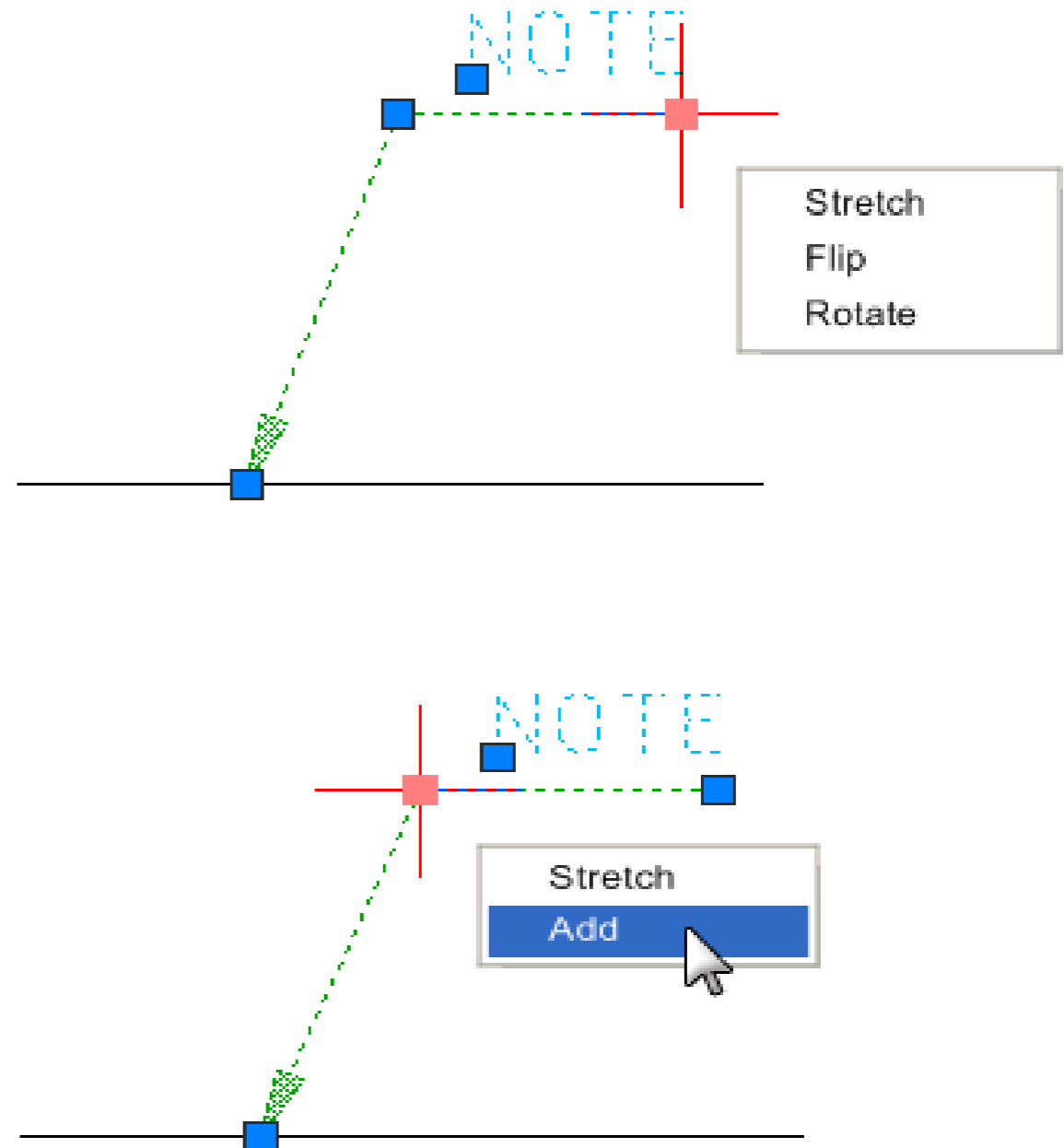
Improved Usability

AutoCAD MEP 2012

Multifunctional Grips

- Extend multifunctional grips to additional objects
- Provides direct access to existing functionality
- Edit values with dynamic input enabled

*Modify designs more quickly
using the new grip functionality*

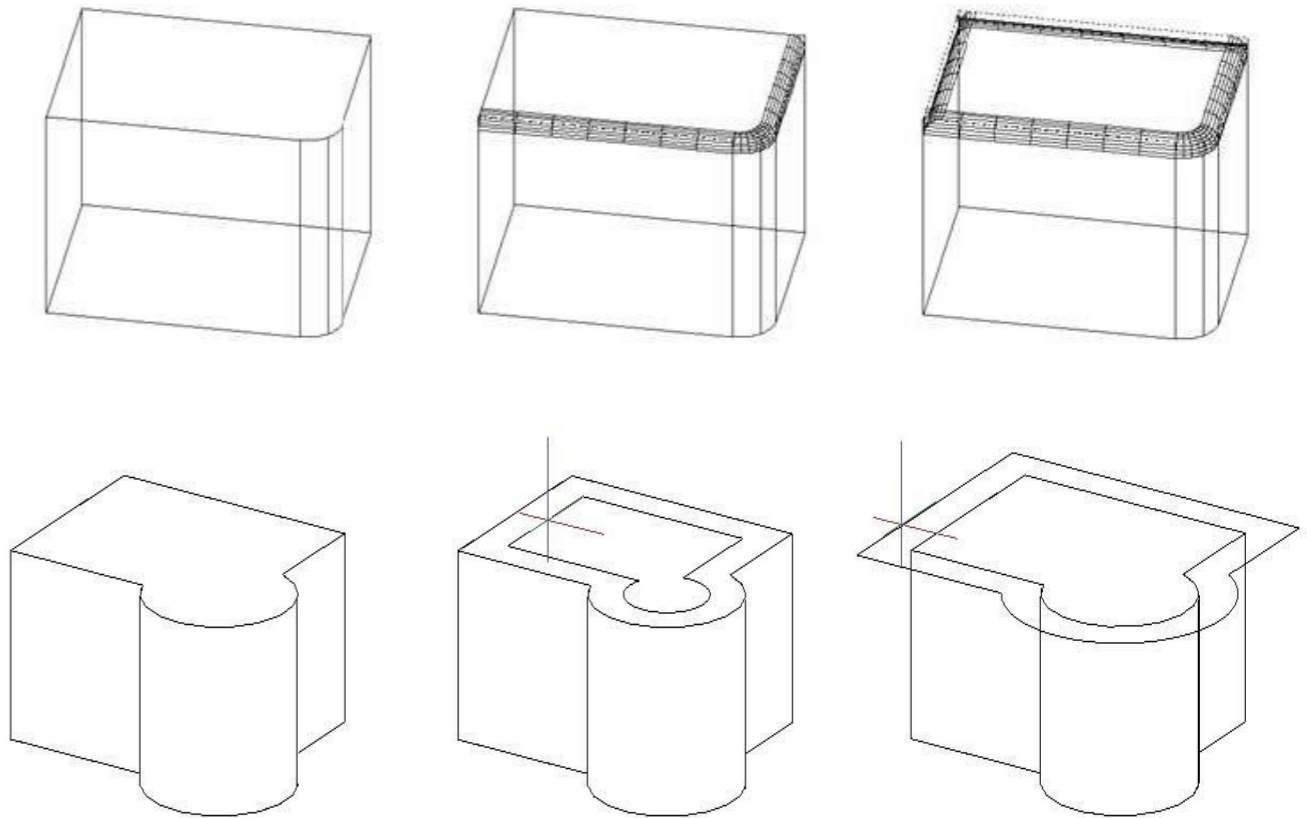


Improved Usability

AutoCAD MEP 2012

3D Modeling Enhancements

- Chain and loop selection
- Presspull functionality
- Offset command



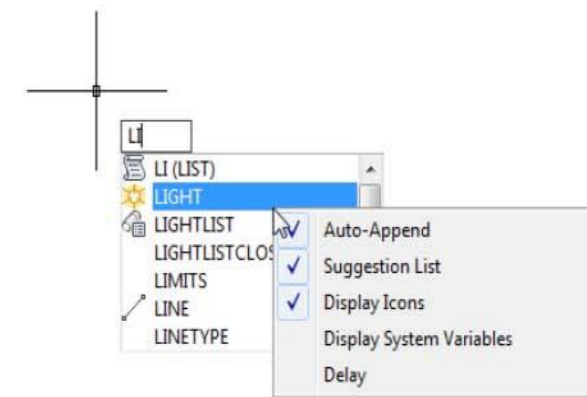
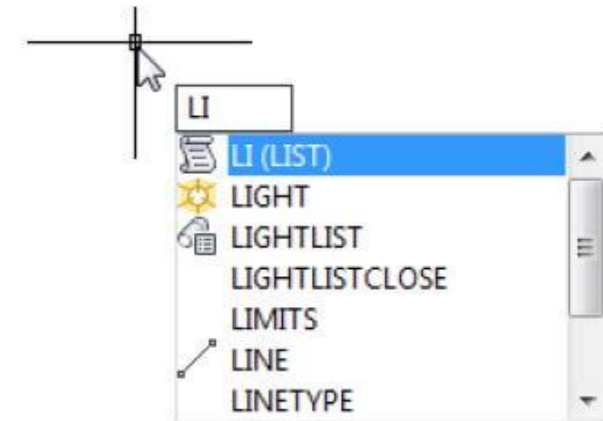
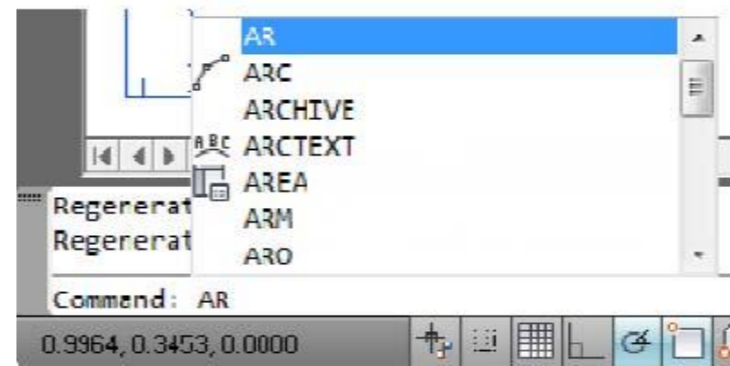
*Use new functionality to help create
MvParts and other design content*

Improved Usability

AutoCAD MEP 2012

Command Line Enhancements

- AutoComplete
- Auto-Append
- Suggestion list
- Dynamic input support
- Right-click menu integration



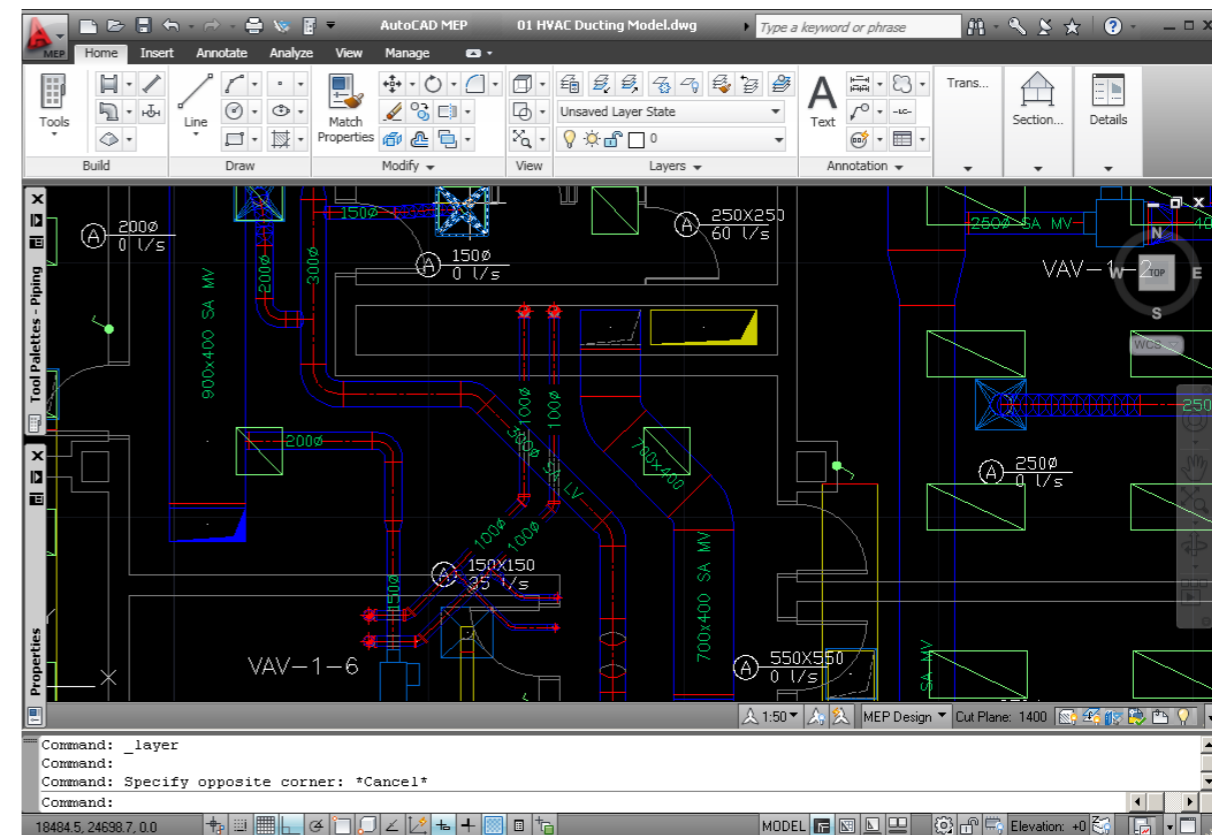
Increase your productivity with tools that support your workflow

Improved Usability

AutoCAD MEP 2012

Optimize Performance*

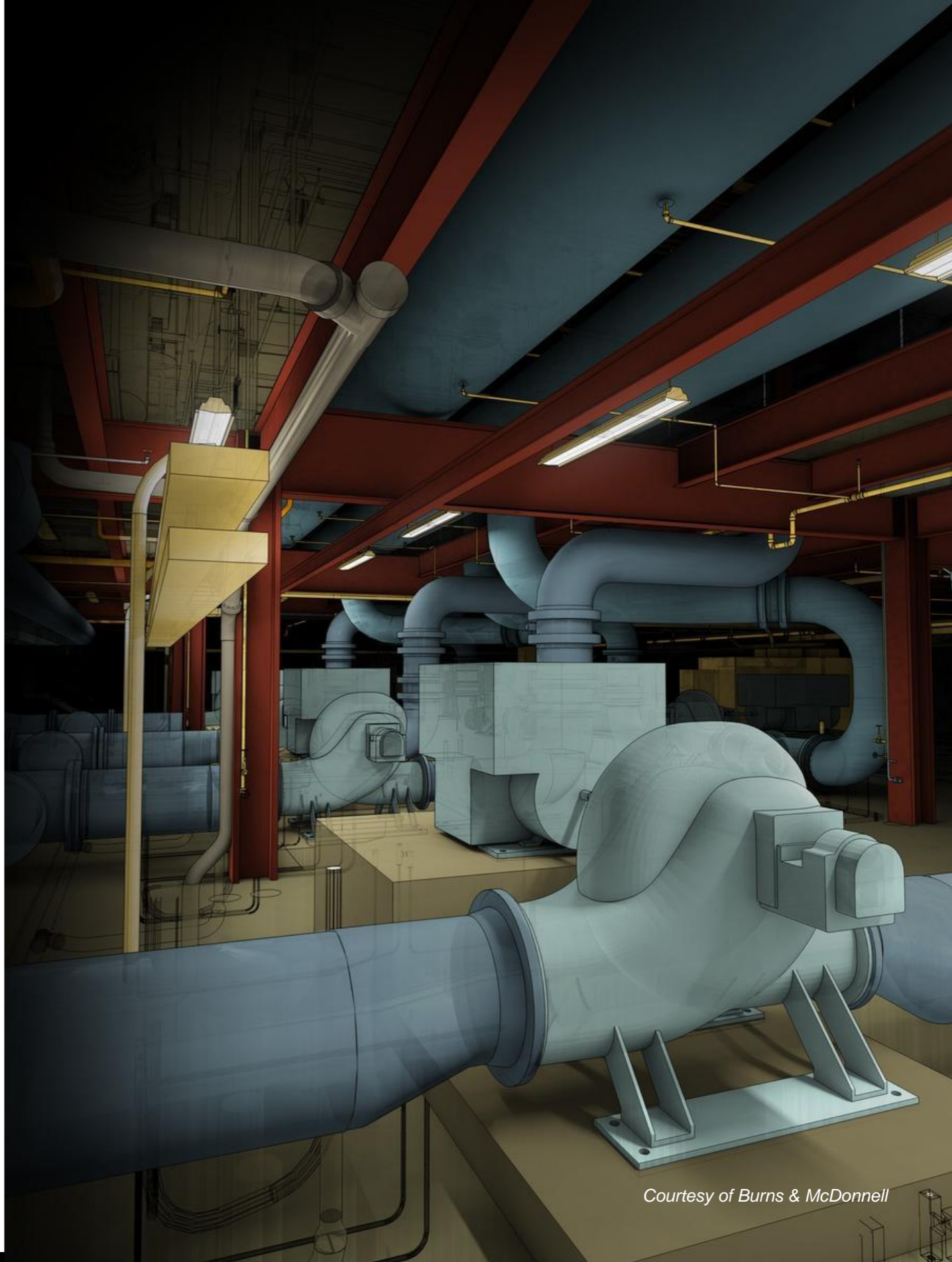
- ~25% faster application startup
- ~30% faster navigating large designs
- ~40% faster accessing tools
- ~50% faster sections



Improved overall performance with faster startup and easier handling of large design files

*Performance study conducted by Autodesk. Actual data throughput will vary with different models.

Drafting Productivity



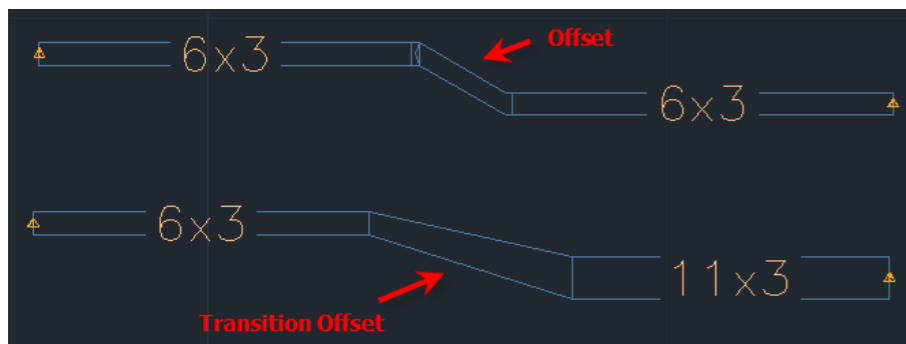
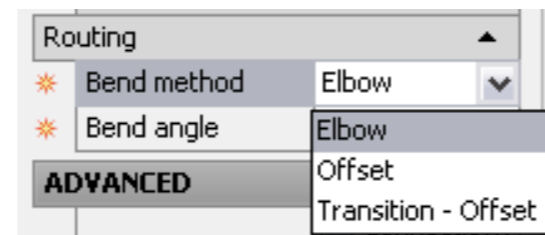
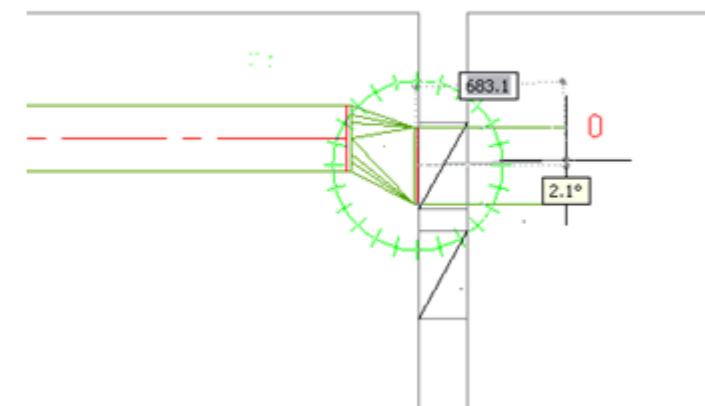
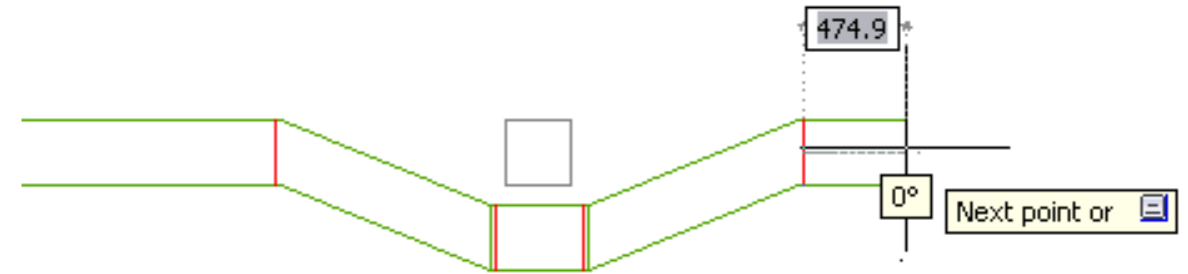
Courtesy of Burns & McDonnell

Drafting Productivity

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Routing Enhancements

- Bend method
- Detour routing
- Narrow passages
- Transitional offset



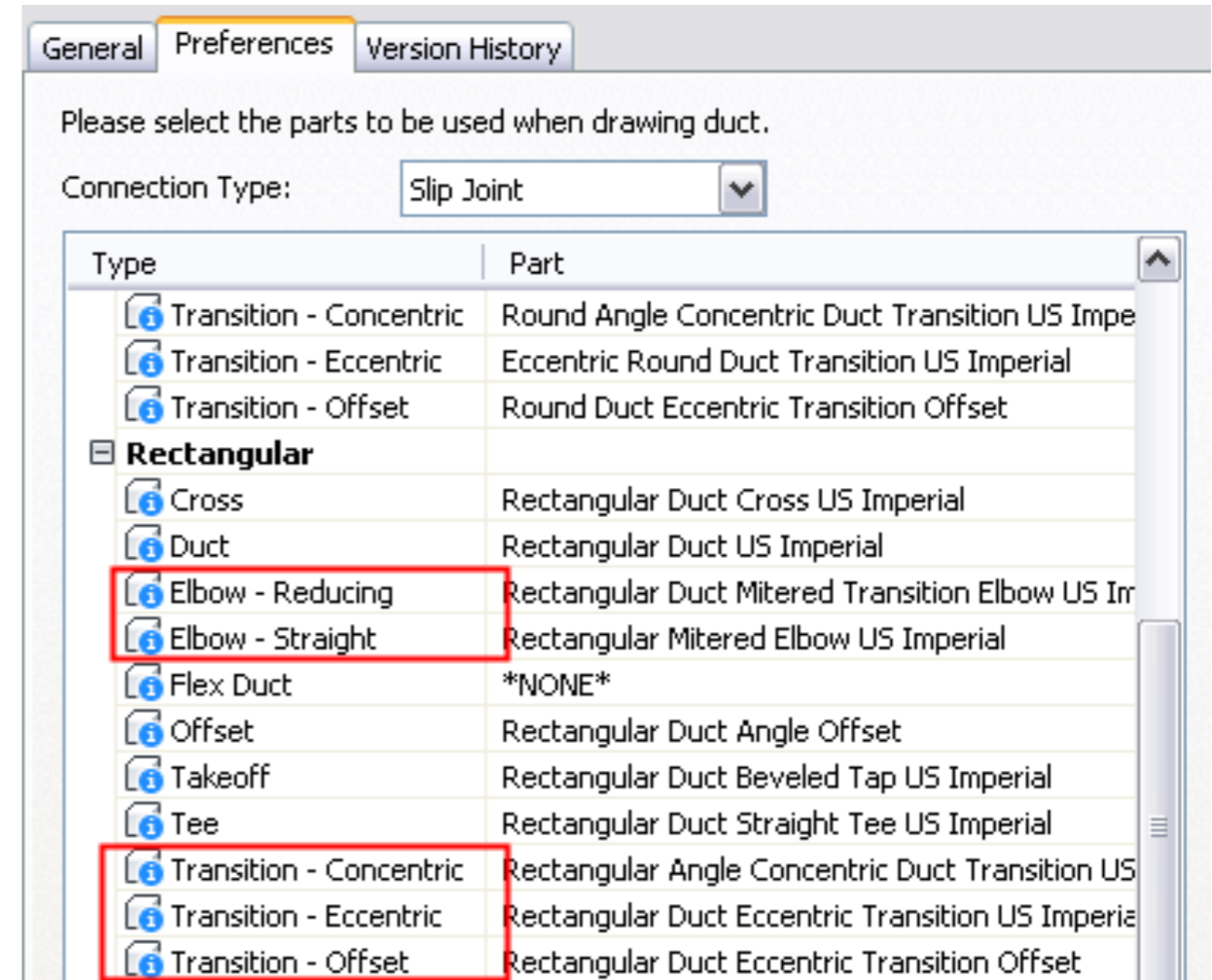
Route duct around obstacles to represent how the system will be constructed

Drafting Productivity

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Auto Layout Enhancements

- Simple offsets
- Simple transitions
- Reducing elbows
- Transition offsets



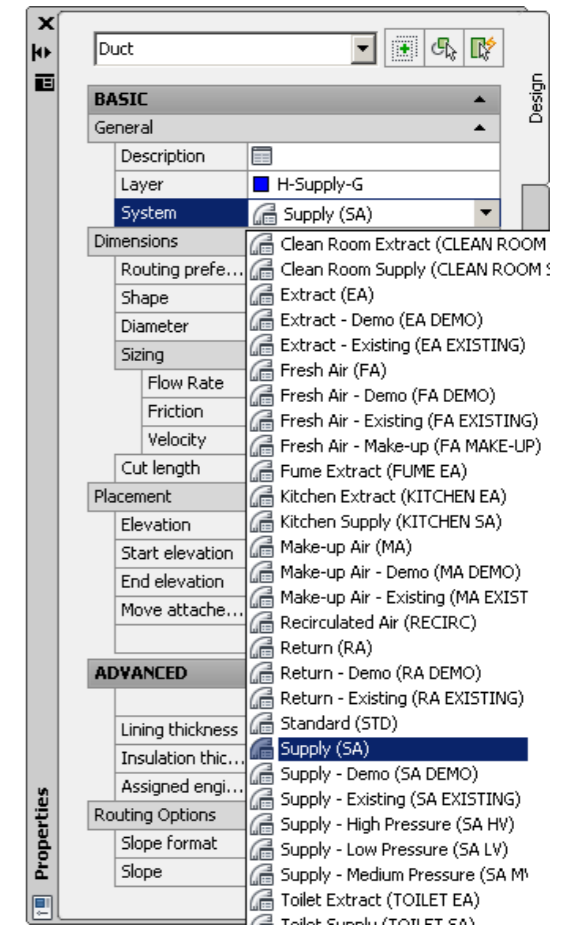
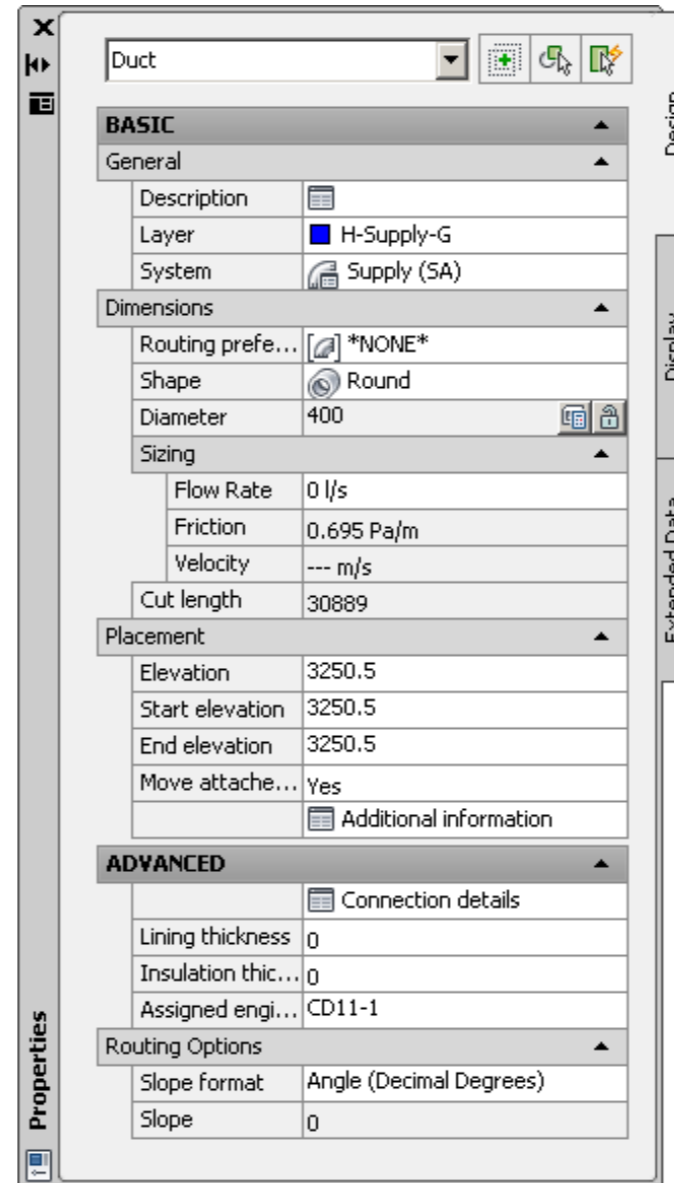
Auto layout tools route duct the same way it would be physically installed

Drafting Productivity

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Tool-based UI

- Properties palette
- Single location
- Consistent interface



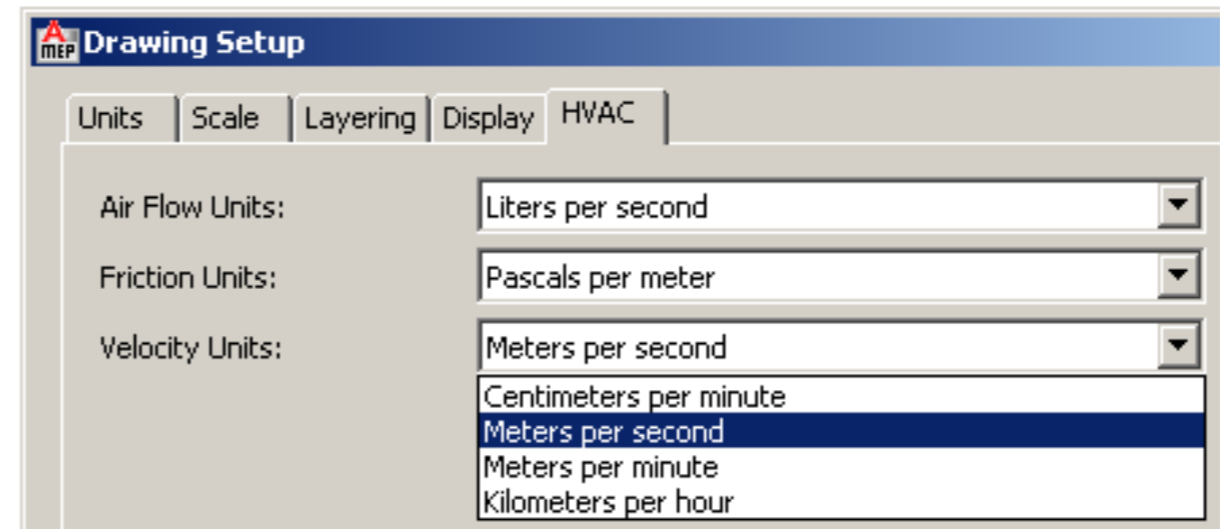
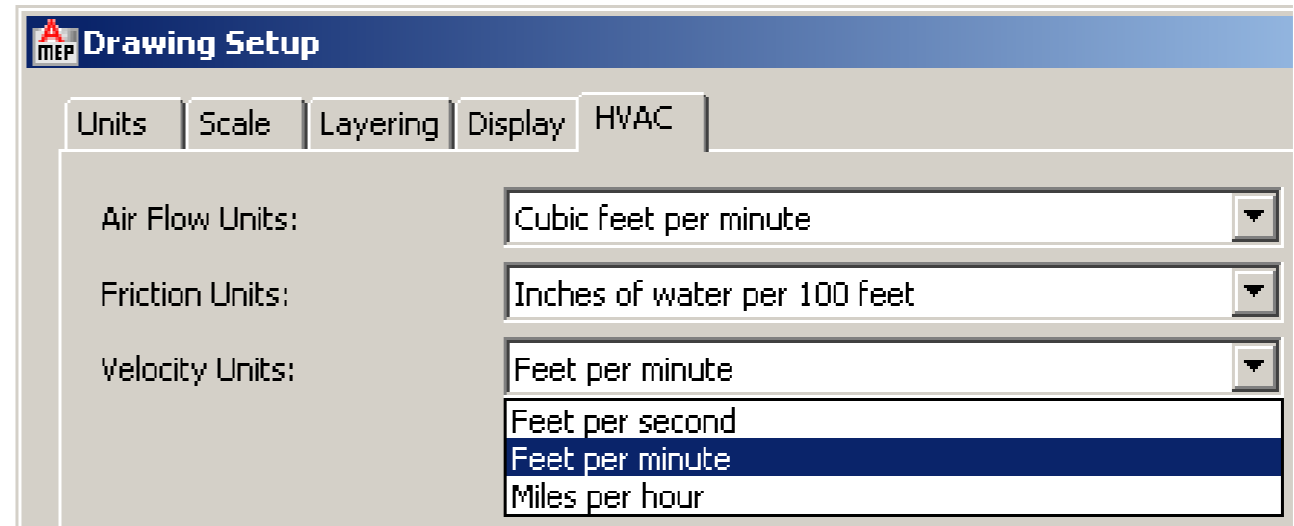
*Save time searching for information—
just look for a single location*

Drafting Productivity

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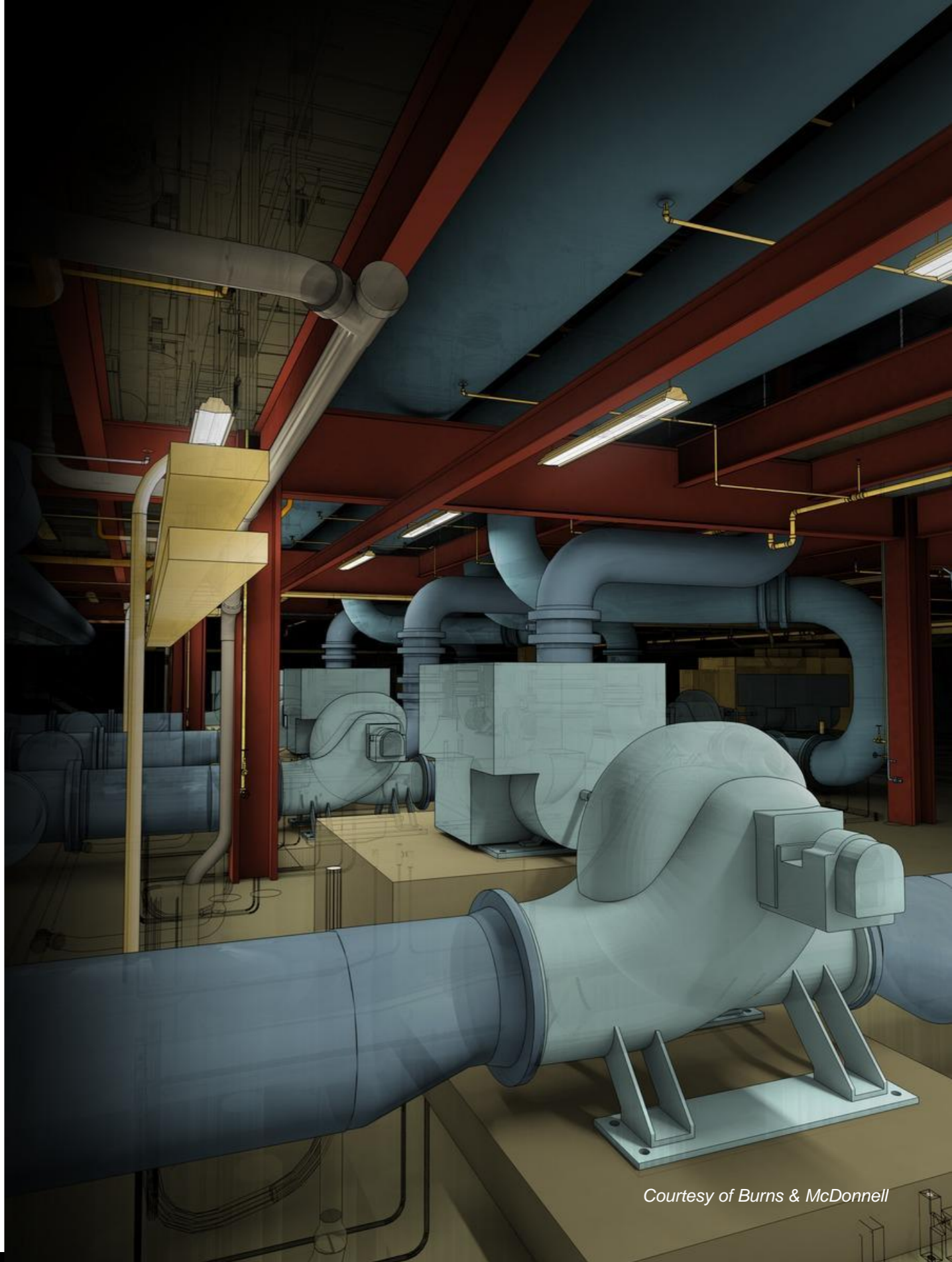
HVAC Engineer Units

- Flow
- Friction
- Velocity



Design more accurately with tools that make it easier to convert engineering units

Enhanced Collaboration



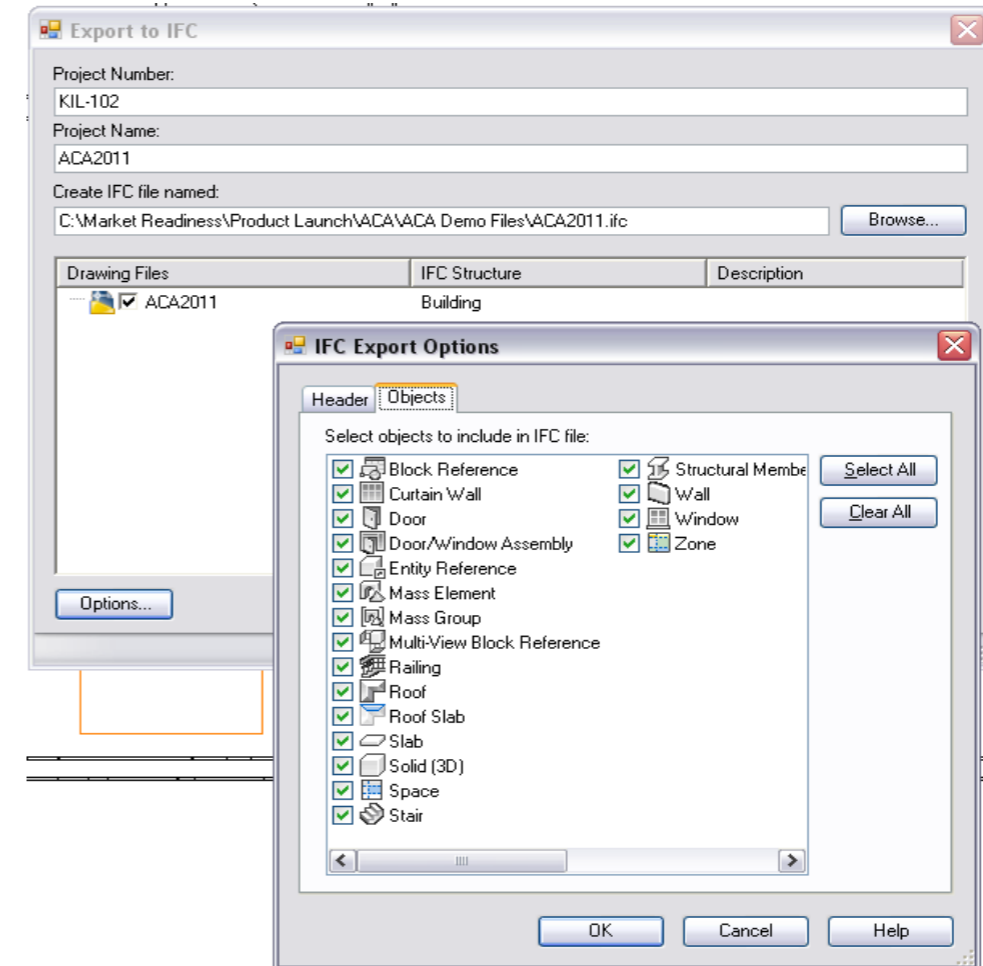
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Enhanced Collaboration

AutoCAD MEP 2012

IFC Data Support

- Recognize MEP objects
- Space boundary information
- Command line access
- New physical quantities



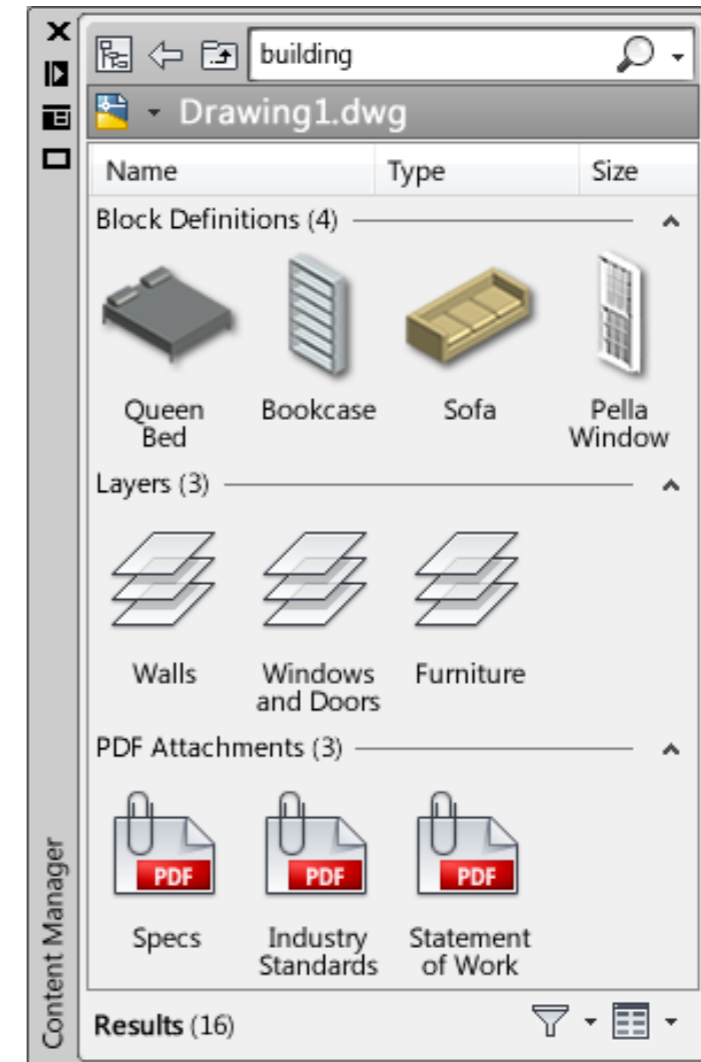
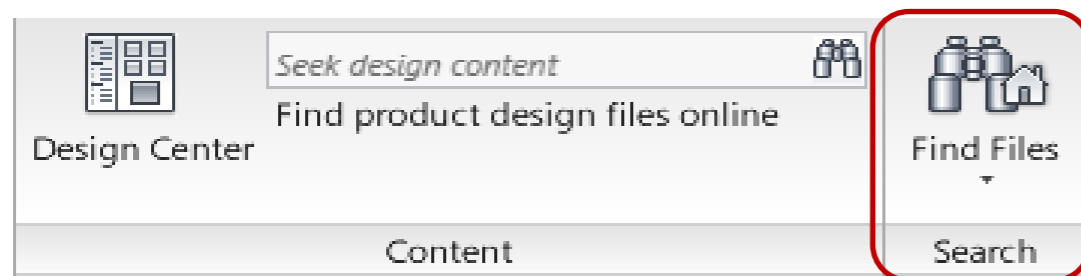
Smoothly exchange more relevant data with team members

Enhanced Collaboration

AutoCAD MEP 2012

AutoCAD Content Explorer

- Access design files, objects, content
- Search local and network drives
- Use content in design environment



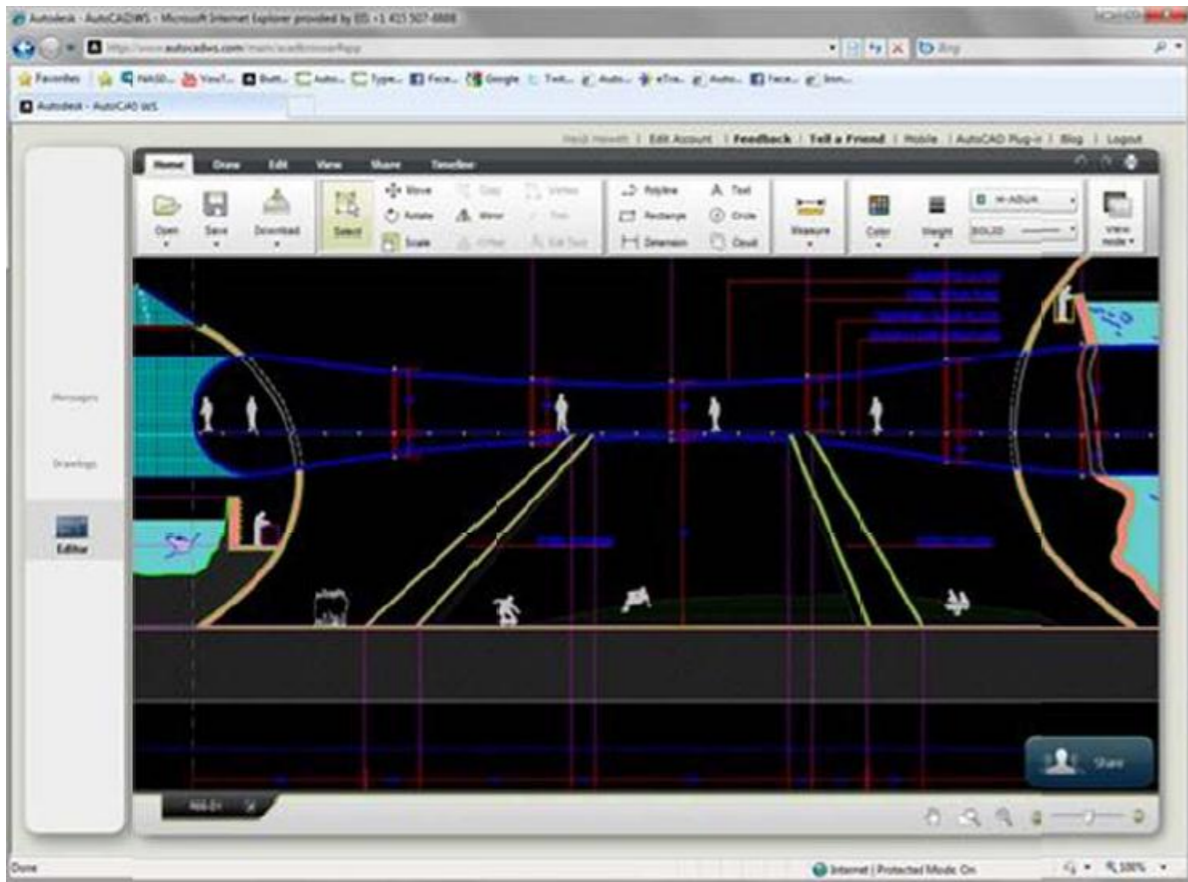
*Quickly access design content
with integrated content search*

Enhanced Collaboration

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AutoCAD WS Web and Mobile Applications

- View, share, and edit from wherever you are
- Stay connected via web or mobile device
- Access directly from user interface



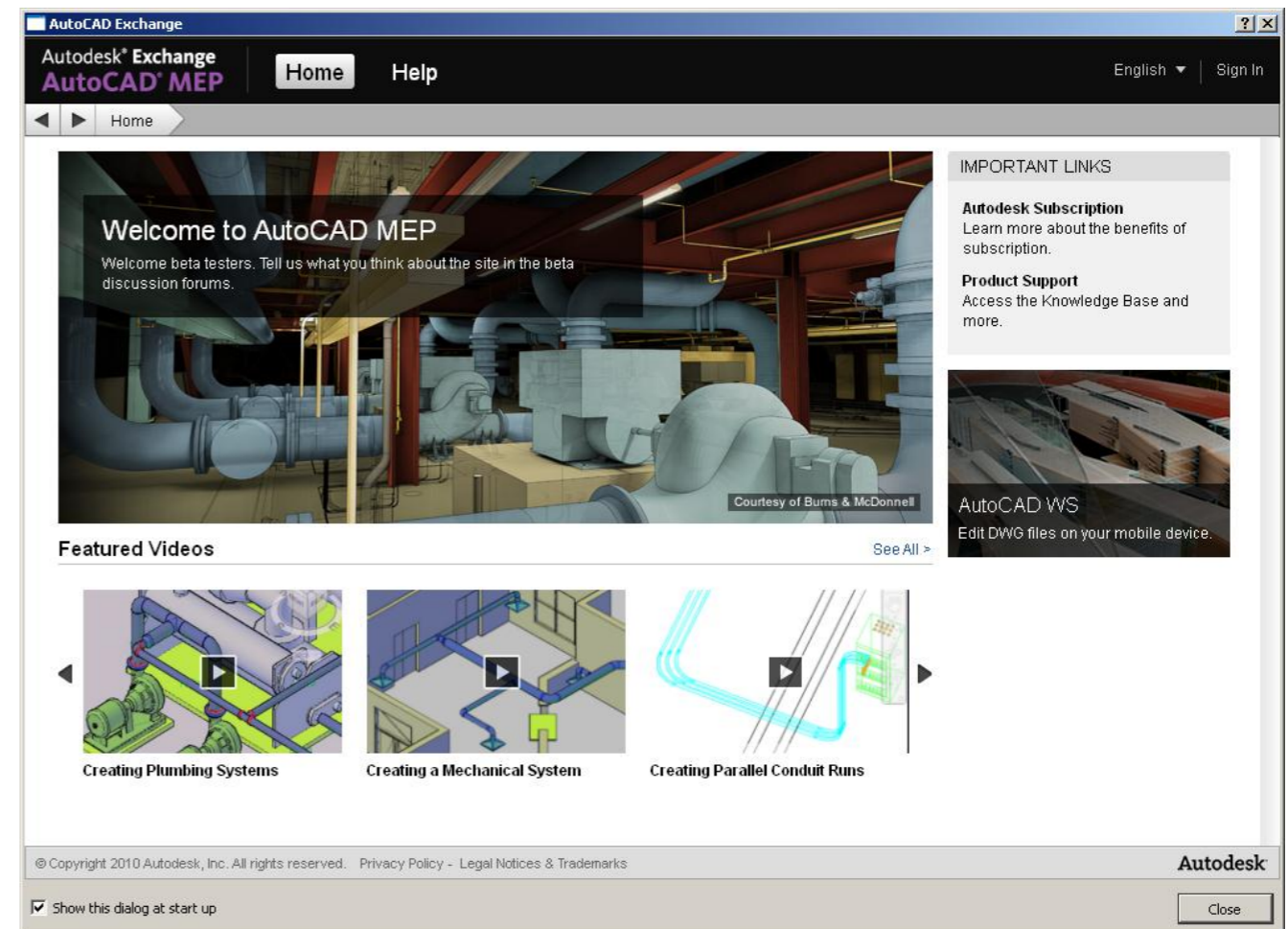
*Freedom to work virtually
anywhere, with anyone on your
extended team*

Enhanced Collaboration

AutoCAD MEP 2012

Autodesk Exchange for AutoCAD MEP

- Access to web-based help content
- Tips and tricks
- Aggregated content



Access a community filled with pertinent learning information

Autodesk Subscription

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AutoCAD MEP 2012

- Improved Usability
- Drafting Productivity
- Enhanced Collaboration



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