# AutoCAD

#### Multi-view drawing



**AutoCAD: Multi-view** 

#### **1. Initialize**

• Limits

• Grid / Snap

• Toolbars

Note: These setup steps are optional

# 2. Layer Properties Manager

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# **3. Construction**

• Draw:

✓ Construction Line

✓ Circle

Modify:✓ Offset





AutoCAD: Multi-view

# 4. Modify – First Feature

- Layers: Use Appropriate
- Draw
  - Line: Object Snaps
  - Offset: Construction
- Modify
  - Trim
  - Mirror



#### 5. First Feature – Front View

- Xline Add required
- Trim
- Layer
  - Construction -> Object



### **6. Next Detail**



#### 7. Next detail

• Hidden in Top View



# 8. Holes

• Repeat Previous



# 9. Centerlines

.0625

- Layer:
  - construction -> centerline
- Modify
  - Offsets: .0625
  - Trim
  - Erase
- LTSCALE: .25



# **10. Fillet / Chamfer**

- Modify
  - Chamfer
    - Dist 1= .125
    - Dist 2= .125
    - No Trim
  - Fillet
    - Radius = .125
    - Option: No Trim
  - Draw
    - Line





# **11. Complete Views**

- Object
- Hidden
- Centers
- Layer
  - Off: Construction



# 12. Section View - Setup

- Modify
  - Trim
- Layer:
  - Hidden -> Object
- Erase:



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- Boundaries
  - Pick Points-
- Pattern
  - Type=ANSI31
- Properties
  - Angle= 0
  - Scale= .5



# 14. Threads (Symbolic)

- Front View
  - Snap
  - Line / Offset (.0625)
  - Copy Selection (Array)
- Top View
  - Offset .0625





# **15. Check / Dimensions**

- Layer: Dimension
- Object Snap
- Dimension
  - Linear
  - Diameter
  - Radius



# **16. Lineweight - Setup**

- Layer Properties I
  - Lineweight

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### **17. Final Display**



- Layer 0:
  - Threads
  - Section lines



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AutoCAD: Multi-view

#### **18. Multi-view Practice**

