2  Annotation and Appearance

The following section will give an overview of document annotation and appearance. Adding annotations to your snapshots provides information about the assembly that cannot be shown visually. Properties of the Autodesk Inventor® models can be directly retrieved into a callout. Arrows can emphasize movement. Adding annotation and changing appearance settings can greatly enhance your documentation story.

2.1 Project 2

1. Open Clamp-ANNOTATE.ipb

2. Click on the Document storyboard bread crumb on the Storyboard Editor

3. Rename the existing storyboard: Disassemble
4. Copy to create duplicate storyboard
   - Right-click on the Disassemble storyboard, select **Copy**

   ![Disassemble storyboard]

   ![Copy option highlighted]

   **Reverse Storyboard**
   
   **Clipboard**
   
   **Copy**
   
   **Cut**
   
   **Paste**
   
   **Delete**
   
   **Play**

   ![Paste option highlighted]

   ![Disassemble storyboard]

   **Reverse Storyboard**
   
   **Clipboard**
   
   **Copy**
   
   **Cut**
   
   **Paste**
   
   **Delete**
   
   **Play**

   ![Disassemble storyboard]

   **Reverse Storyboard**
   
   **Clipboard**
   
   **Copy**
   
   **Cut**
   
   **Paste**
   
   **Delete**
   
   **Play**

   ![Disassemble storyboard]

   ![Assemble storyboard]

   **Reverse Storyboard**
   
   **Clipboard**
   
   **Copy**
   
   **Cut**
   
   **Paste**
   
   **Delete**
   
   **Play**

   ![Disassemble storyboard]

   ![Assemble storyboard]

   **Rename the new copied storyboard: Assemble**
5. Right-click the *Assemble* storyboard and select **Reverse Storyboard** to reverse all the steps.

6. Double click the *Assemble* storyboard to activate it.

7. Right like the first snapshot thumbnail, select **Activate**

   The first snapshot is now Step 14.3 because the storyboard was reversed.

8. Add property associated callout annotation to snapshot.
- Start the **Callout** tool
  
  **Home tab | Annotation panel | Callout**

- Select the base plate component and then place the callout location

- Set callout associate property to Part Number
  
  **Annotation panel | Associate Property panel | Part Number**

- Change the callout shape
  
  **Annotation panel | Callout Style panel | Shape | Slot**
■ Change the Font style
  Annotation panel | Font panel

  Font type: Arial
  Font size: 14

■ If needed, adjust the callout with the grips

■ Completed callout

9. Add manual text callout
   ■ Double-click the second snapshot thumbnail to activate it (*Step 14.2*)
1. Start the Callout tool

2. Select one of the ISO 8733 6x20 pull dowels, then place the callout

3. Change the Associate Property value to Manual Text

4. Click the callout and type text:
   \[\text{ISO 8733 6x20 (4) PLC'S}\]

**NOTE:** Callout shape and font style will remain from the last setting change. If the shape or font is not correct, repeat setting steps from step 8.

10. Repeat callout steps for ISO 8733 8x24 pull dowels
11. Add Label

- Start the Label tool
  Home tab | Annotation panel | Label

- Place label within the Publish Area

- Enter text:
  *Press Pull Dowels*
  *Minimum Depth 1-1/2 Times Diameter Value*
12. Completed Snapshot with callouts and label

13. Add callout with multiple leader arrows
   - Double-click the fifth snapshot thumbnail to activate it (*Step 13.3*)
   - Select one of the *Detail - 037* weldment, then place the callout
- Change the **Associate Property** value to **Manual Text** (if not already set)

- Click the callout and type text:
  
  `Detail – 037`

- Select the callout, then click-hold the “plus sign” next to the callout and drag out an additional leader arrow

14. Add linear arrow to snapshot

  - Double-click the snapshot thumbnail for Step 7.6 to activate it
Start the **Linear Arrow** tool from the ribbon
Home tab | Annotation panel | Linear

- Click 1 in the **Graphics Window** to place the arrowhead
- Click 2 to the right to place the arrow tail.

- Drag the arrow down onto the rack component. Notice it is hidden behind the model.

**NOTE:** Annotation items are placed in 3D space
- Toggle the **Keep On Top** check box Off then On to display the arrow on top of the model.
  
  **Annotation tab | Screen Placement panel | Keep On Top**

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- Using the grip points the arrow can be resized to fit within the Rack component.
15. Add circular arrow to snapshot

- Start the **Circular Arrow** tool from the ribbon

Home tab | Annotation panel | Circular
Click the Graphics Window to place center
Click to the right to place the arrow tail
Click to the left to place the arrowhead

Drag the arrow down onto the Pinion Gear component.

Toggle the Keep On Top check box Off then On to display the arrow on top of the model

Using the grip points the arrow can be resized to fit within the Pinion Gear component

Change the fill color to Green if it isn't already

16. Extract Camera from snapshot thumbnail Step 7.5 to reset the view in Step 7.6
17. Add Label
   - Start the **Label** tool
   - Place label within the **Publish Area**
   - Enter text:
     
     **Align Rack To Pinion Gear**

18. Complete Snapshot
19. By default, changes only change the active snapshot. Right-click the first snapshot thumbnail (Step 14.3) then select Set Affected Snapshots | Within Storyboard | All Snapshots.

20. Select the base plate component in the Graphics Window then click Material.

21. Click the Appearance button then Autodesk Library.

23. Activate the last snapshot (Step 1), see that material change was applied to the entire storyboard.

24. Add a label to the last snapshot
   - Start the Label tool
   - Place the label within the Publish Area
   - Enter the following text:
     
     CLAMP ASSEMBLY IS NEARLY SYMMETICAL
     REPEAT ASSEMBLY STEP FOR LEFT HAND SIDE
Use the following Font, Shape, and Fill settings:

- **Font**: Arial, 14
- **Fill**: More Colors...
- **Outline**: None
- **Shape**: Circle, Rhombus, Slot
25. Completed Snapshot

CLAMP ASSEMBLY IS NEARLY SYMMETRICAL
REPEAT ASSEMBLY STEPS FOR LEFT HAND SIDE

26. This completes the project.
   ■ Optional:
      Callout out all components and hardware throughout the storyboard

27. Close all files.
    Do not save.