## Add a Handle to a Door

Estimated Time: 20 minutes

This exercise reinforces the following skills:

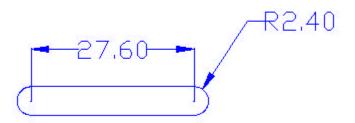
Multi-View Blocks

One pet peeve of a lot of architects and designers is that the multi-view blocks included with ADT don't show hardware. In this lesson, you learn how to modify the door blocks used in the restroom to add a doorknob or handle.

Open a drawing that has doors you want to add handles.

First, we create an AutoCAD block that represents a door handle.

In the right view port, draw a small door handle.



Units are in inches.

Rotate the block so that it is vertical instead of horizontal.

Use the BLOCK command to create a handle. Do not include the dimensions in the block definition.

	Pick a door that you want to add a handle. Right click and select 'Entity Display'.
Door 위 Door Style 위	Draws In Empty Empty Controls Select the Display Props tab. Select Model from the drop-down- list. Highlight the Door Property Source, select 'Attach Override', then 'Edit Display Props'.
Attach Override Remove Ov	emide
Entity Properties Layer/Color/Linetype Other Select to Custom Block Display Disable Custom Blocks Add	he 'Other' tab, then choose the 'Add' button to block. Choose the 'Select Block' button.
Scale To Fit	

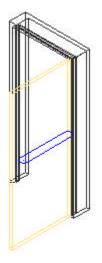
Select A Block	
Blocks	
Aec_Door_Rev3D_Glass Aec_Overhead_7ft_Plan AVE_GLOBAL AVE_RENDER BubbleDef	Locate the handle block you just created in the list.
BUCKET_ELEVATOR[1] Cubicle Cubicle (disabled) handle	Highlight and press 'OK'.
I EQUP_ELEV_Square_F I_EQUP_ELEV_Square_L I_EQUP_ELEV_Square_M I_EQUP_ELEV_Square_P I_EQUP_ELEV_Square_R M_BATH_ACC_HAND_DRYER_F M_BATH_ACC_HAND_DRYER_L M_BATH_ACC_HAND_DRYER_M	
0K Cancel	
	the graphics window area, you see a eview of the block as it will appear in top ew.
Insertion Point	
X: 📕 Right 💌 Y: 🚅 Front 💌	Z: Bottom
Insertion Offset	
X: -3'-5" Y: 3'-6"	Z: 4'

Enter values that represent the location of the door handle.

(Note: The values entered will be different depending on the insertion point of the block and the swing location of the door.)

For example, if you look at a door that has a handle on the left, use the following values. If the door handle is 3" over from the left of the door, select Left for the X position and 3" for the Insertion Offset.

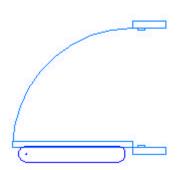
Select Front for the Y value, and enter 0" for the Insertion Offset. This is based on the door handle block's insertion point located in the center and the back of the handle). The door handle will be 3'-0" from the bottom of the door, therefore select Bottom from the Z Insertion Point, and enter 3' for the Z Insertion Offset value.



Use the Rotate tool or pre-set views to check how you have located your handle.

After you have entered the appropriate values, choose OK to return to the Entity Display dialog.

AutoCAD Props Display Props Plan * Class: AecDbDispRepDoorPlan	-	Draws In Curre	ent View: True	On the Display Props tab, select Plan* from the drop-down. Highlight Door under Property
Property Source Door Door Style System Default		Display Contribution ↑ Controls ↑ Empty ★ Overridden	Attached Yes No Yes Yes	Source. Press 'Attach Override' then 'Edit Display Props'.
Attach Override	Remove	Override	Edit Display Props	



Once again, add the handle block and locate it so it appears correctly in the Plan View.

Insertion Point -		
X: 🔲 Left 💽	Y: 🗗 Front 💽	Z: Bottom
Insertion Offset -		
X: 0"	Y: 3'-6"	Z: 0"

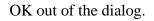
OK out of the dialog.

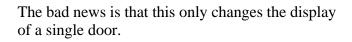
ww.sucacad.com			
	We now wrong sid		dle on our door, but it is on th
	Pick the	door. Right clic	k and select 'Entity Display'.
utoCAD Props Display Props			
Plan *	Draws In Curr	ent View: True	
Property Source	Display Contribution	Attached	Т
Door Door Style System Default	← Controls ☆ Empty ★ Overridden	▼Yes No ▼Yes	
Attach Override Rem	ove Override	Edit Display Props	

Select the 'Edit Display Props' button.

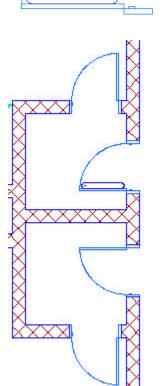
Layer/Color/Linetype Other	
Custom Block Display	Select the 'Edit' button.
🔲 Disable Custom Blocks	
Add handle	
E dit	
Remove	

Change the X-value to 6" to move the handle to the other side of the door.





In order to change all the doors we need to edit the door style.



Go to Design $\rightarrow$ Doors $\rightarrow$ Door Styles.

EVTR_CNTR Hinged - Single Hinged - Single Overhead - Repare	Locate the Hinged – S Right click and select	-
General   Dimensions   Design Rules     Plan * Class: AecDbDispRepDoorPlar		Current View: True
Property Source Door Style System Default	Display Contribution Controls Overridden	n Attached I⊄Yes I⊄Yes
Attach Override	Remove Override	Edit Display Props

Select the Display Props tab. Select Plan\* from the drop-down. Highlight Door Style. Press 'Attach Override', then 'Edit Display Props'.

Layer/Color/Linet	ype Other	
Custom Block	Display	 
🗖 Disable C	ustom Blocks	
Add.		
Edit.		
Remov		
- nemos	e	

Select the Other tab. Press the Add button.

