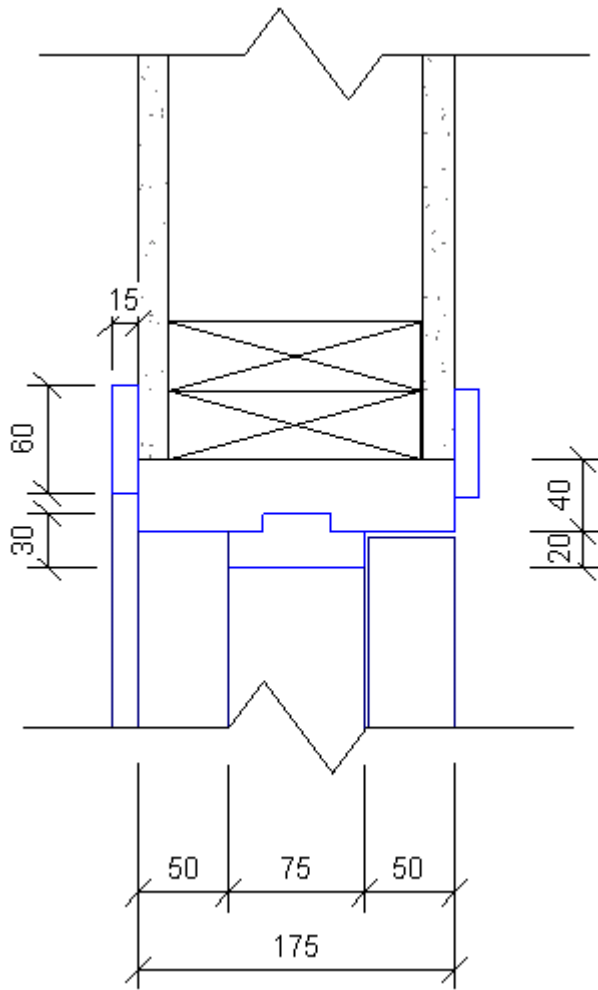


B - Creating a Detail in the Drafting View

In this exercise, you create a door detail in the new drafting view.



Dataset

Continue to use the dataset you used in the previous exercise, *m_Drafting_views.rvt*.

Create a drafted door detail

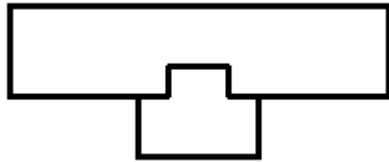
1. On the Drafting tab of the Design Bar, click Detail Lines.

TIP: If the tab that you need does not display in the Design Bar, right-click in the Design Bar, and click the tab in the context menu.

2. In the Type Selector, select Wide Lines.

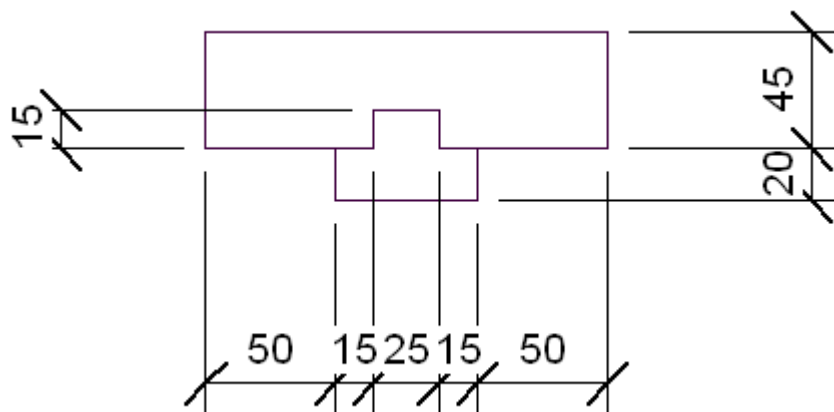
3. Sketch the door jamb shown in the following illustration.

TIP: You may want to use the Chain option when you sketch the door jamb. You can also use the Rectangles sketching tool to create the basic shapes, and then use the Split and Trim tools to complete the sketch.



4. On the Design Bar, click Dimension.
5. Permanently dimension the door jamb sketch so that the dimension values match those in the following illustration.

After you create a dimension, you can change its value by clicking Modify on the Design Bar and selecting one of the lines the dimension references. When the dimension value displays in blue, you can change it.



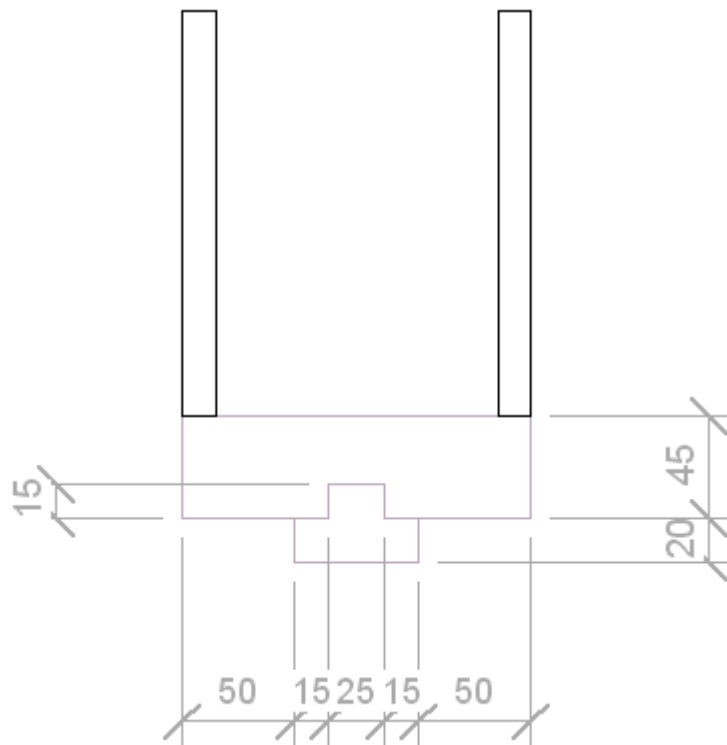
Create filled regions

6. You sketch filled regions to represent gypsum wall board.

On the Design Bar, click Filled Region.

7. On the Sketch tab of the Design Bar, click Lines.
8. On the Options Bar, click .
9. Turn off automatic snapping to facilitate sketching in close detail:
 - On the Settings menu, click Snaps.
 - Under Dimension Snaps, clear Length dimension snap increments, and click OK.

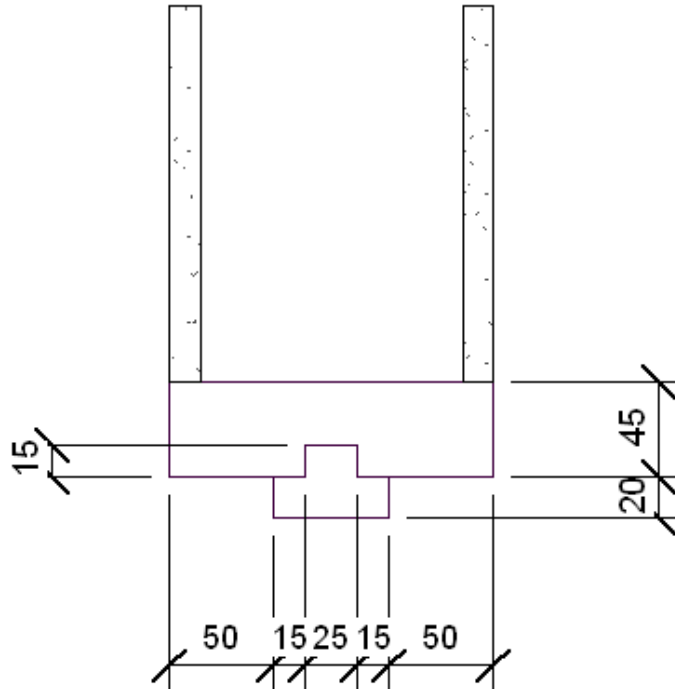
10. Sketch two 15 mm thick rectangles as shown.



11. On the Design Bar, click Region Properties.
12. In the Element Properties dialog box, click Edit/New.
13. In the Type Properties dialog box, click Duplicate.
14. In the Name dialog box, enter **Plasterboard**, and click OK.
15. In the Type Properties dialog box, click  for the Fill pattern type parameter.
16. In the Fill Patterns dialog box, under Name, select Sand.
17. Under Pattern Type, verify Drafting is selected, and click OK 3 times.

18. On the Design Bar, click Finish Sketch.

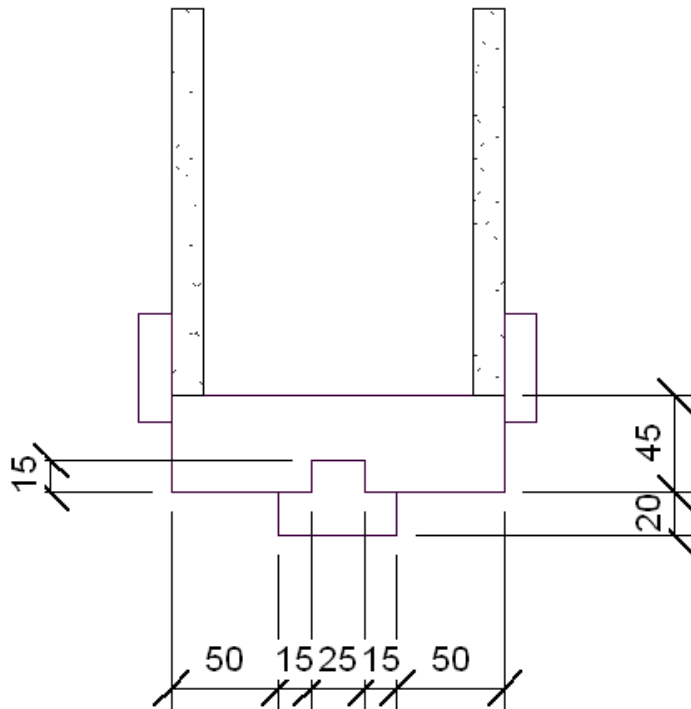
The detail with filled regions (the gypsum wall board with the sand drafting pattern) is displayed.



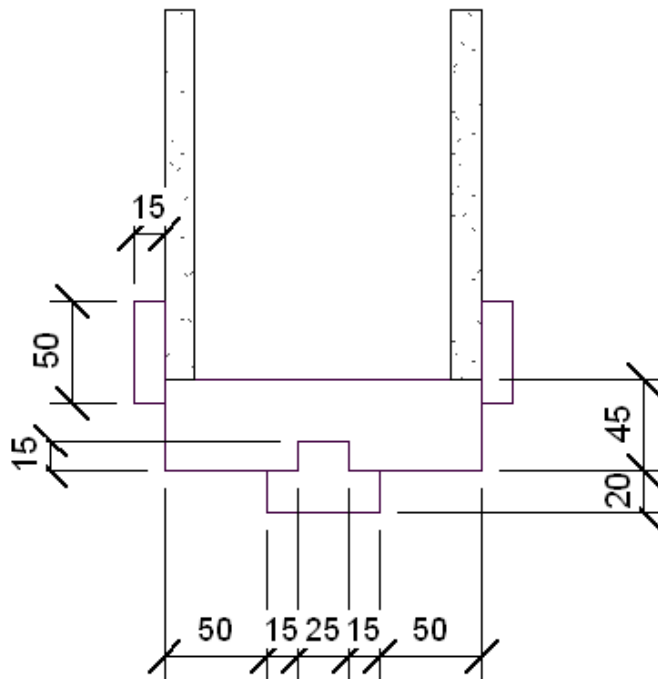
19. On the Design Bar, click Detail Lines.

20. In the Type Selector, select Wide Lines.

21. Sketch the 50 mm x 15 mm door trim as shown.



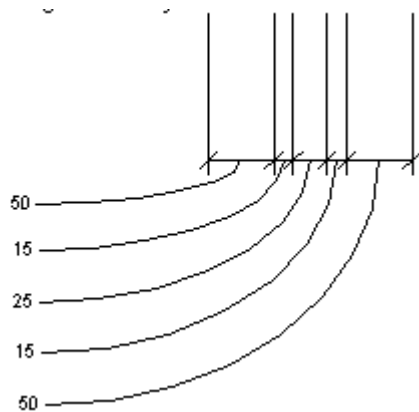
22. On the Design Bar, click Dimension, and dimension the door trim.



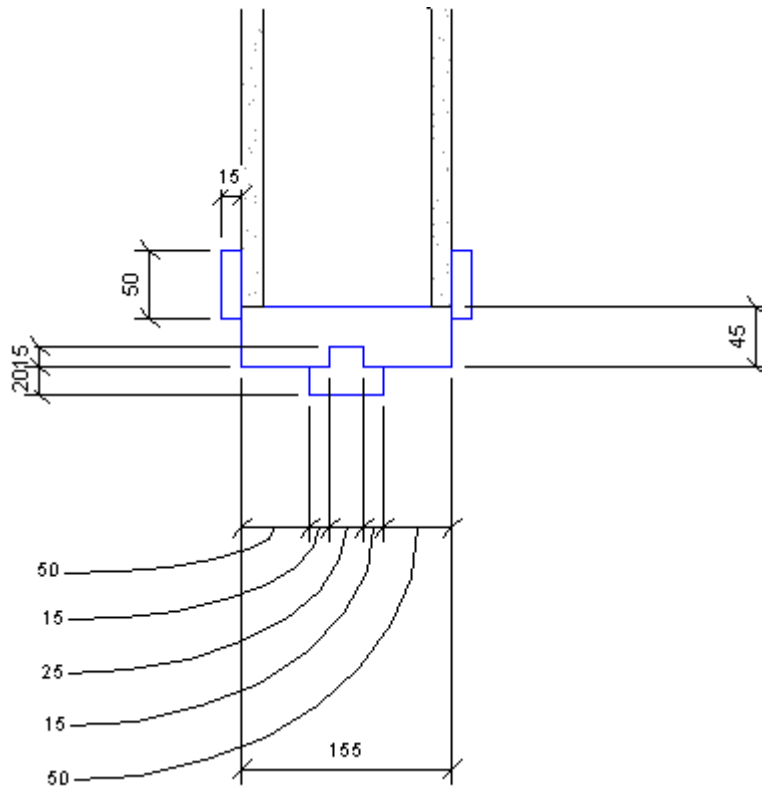
Adjust witness lines

23. Select each door jamb dimension.

24. Drag the door jamb dimension controls to pull the dimensions away from the detail.



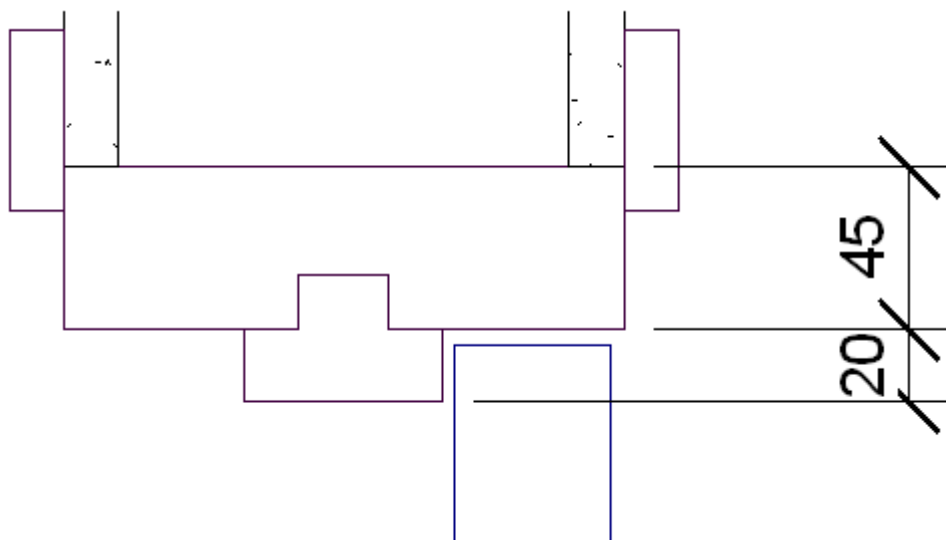
25. Add an overall dimension of the door jamb.



Sketch a door

26. On the Design Bar, click Detail Lines.
27. In the Type Selector, select Medium Lines.
28. Draw lines that represent the door as shown.

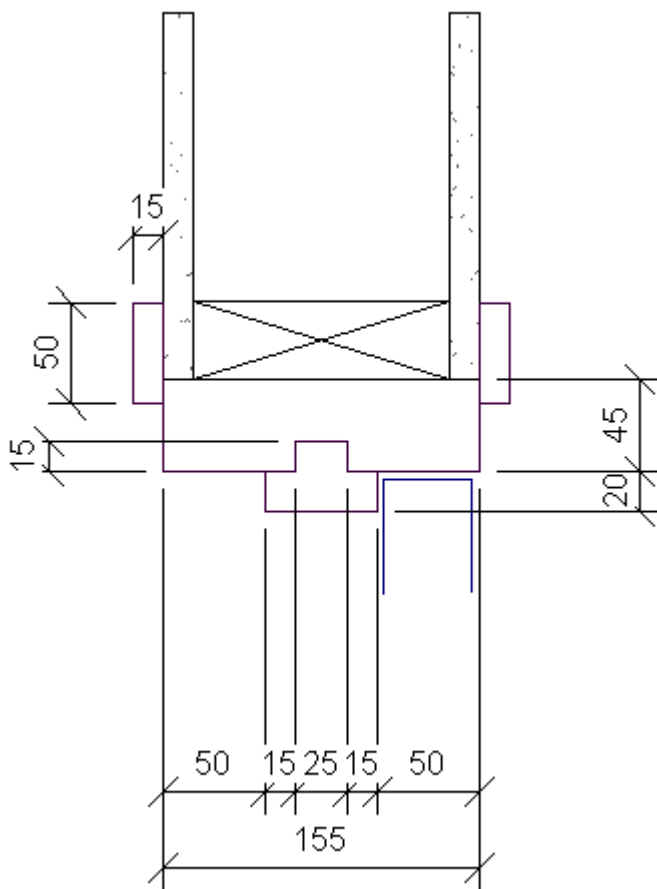
TIP: You may find it helpful to temporarily hide the dimensions in the view when sketching the door. Select the desired dimensions, and on the View Control Bar, click the Hide/Isolate command, and click Hide Object from the context menu.



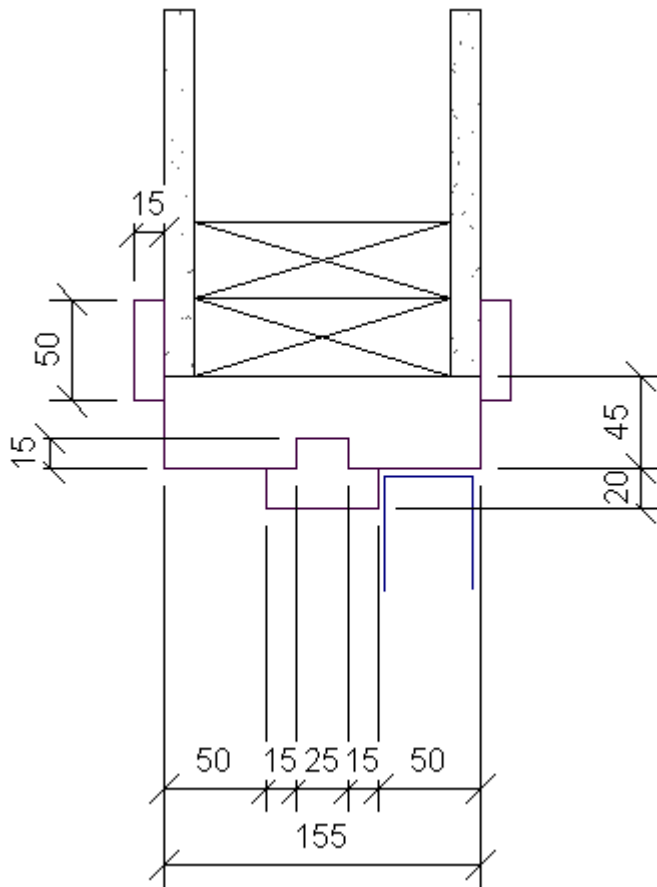
Add the dimensional lumber for the header

29. On the Drafting tab of the Design Bar, click Detail Component.
30. In the Type Selector, select M_Dimension Lumber 38X140.
31. On the Options Bar, click .
32. In the Element Properties dialog box, click Edit/New.
33. In the Type Properties dialog box, click Duplicate.
34. In the Name dialog box, enter **38 x 125**, and click OK.
35. In the Type Properties dialog box, enter **125** for the Width type parameter, and click OK twice.
36. Press the Spacebar to rotate the Lumber counter-clockwise.
37. Place the lumber component in the detail.

TIP: You may need to use the Move command to adjust the position of the lumber.



38. Stack another 38 x 125 directly above the one that you placed in the previous step to complete the header.

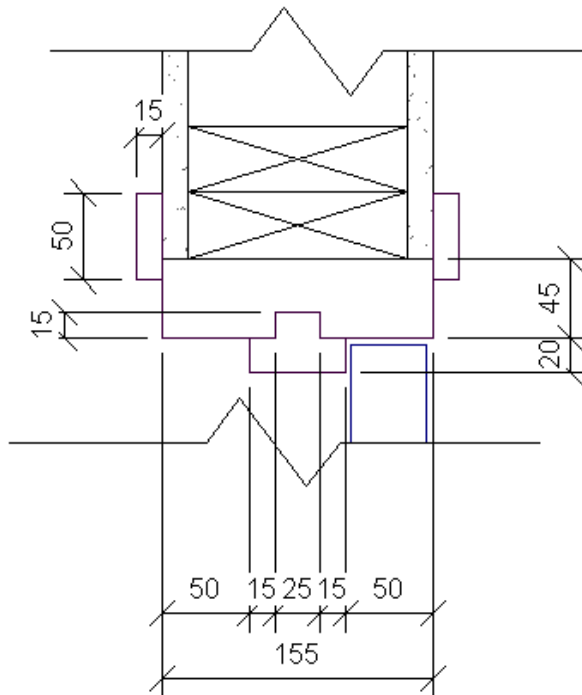


Add two break lines

39. On the Design Bar, click Detail Component.
40. In the Type Selector, select Break Line.

41. Add two break lines as shown.

TIP: Rotate and move the bottom break line to adjust its masking element.

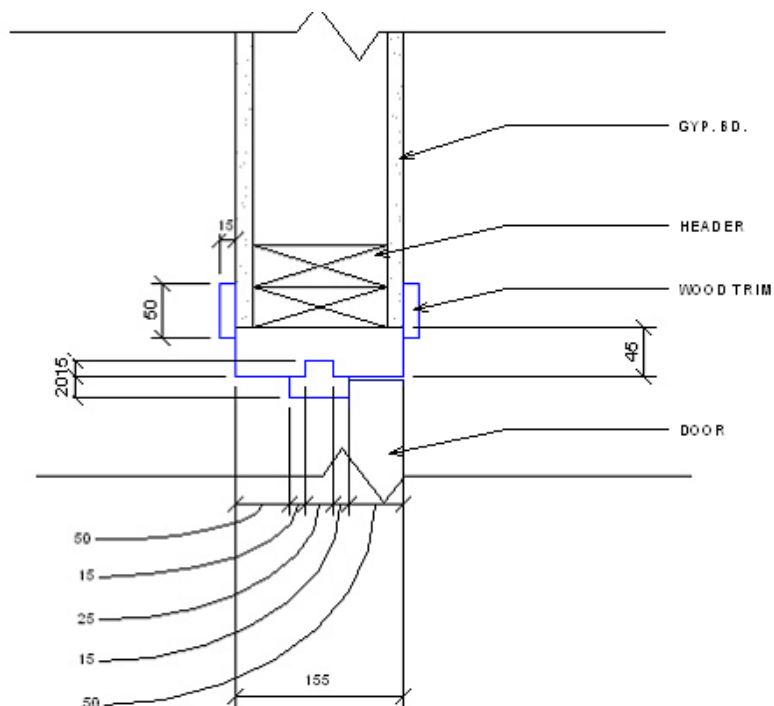


Add text notes to complete the detail

42. On the Design Bar, click Text.

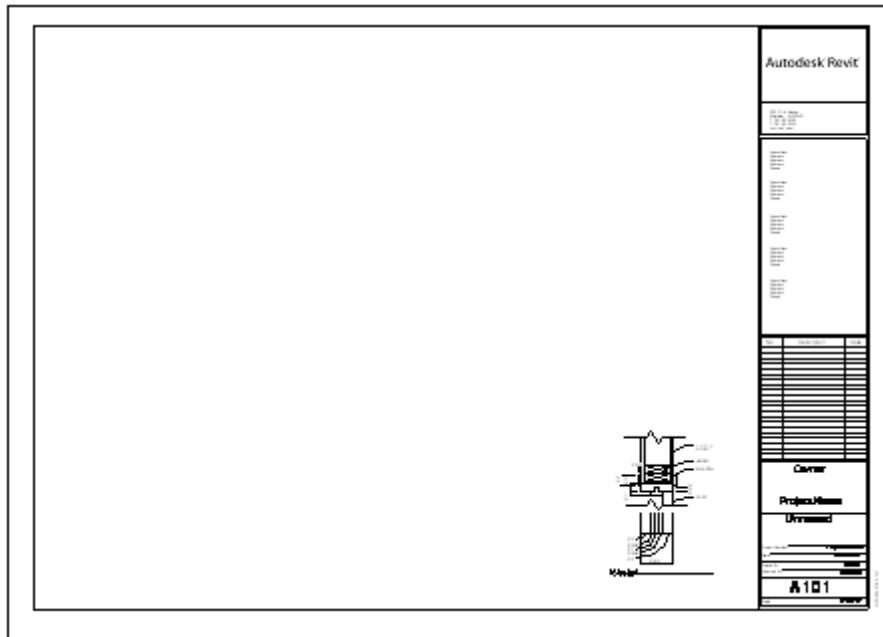
43. In the Options Bar, click  to create a leader with two segments.

44. Add leaders and text notes to the detail as shown.



Place the drafting view on a new sheet

45. On the View menu, click New - Sheet.
46. Select a Titleblock dialog box, click Load.
47. In the left pane of the Open dialog box, click Training Files, and open Metric\Families\Titleblocks\ A0 metric.
48. In the Select a Titleblock dialog box, click OK.
49. In the Project Browser, expand Views, and expand Drafting Views.
50. Select Door Detail, and drag it onto the sheet.
51. Click to specify an insertion point.
52. On the Design Bar, click Modify to end the command.



53. Proceed to the next exercise