CHAPTER 33 EXERCISES

1. Column Framing Plan

Open the CE16EX2 drawing from the Chapter 16 Exercises. Modify the columns to be TS10x10x1/2 and the foundation piers to be 36” diameter as shown in Figure CE33-1. Add column lines and dimensions as shown (DIMSCALE should be set to 96). Activate a Layout and Insert TBLK_D into paper space. Modify the titleblock as necessary for the correct drawing title.

Figure CE33-1
Create three viewports as shown in Figure CE33-2 (one for the plan and two for enlarged detail views of the plan). The plan view should be scaled to plot at 1/8"=1'-0" (Zoom 1/96XP) and the detail views should be set to plot at 1"=1'-0". Add labels and scale notes to each view of the drawing. In order to display linetypes correctly, set PSLTSCALE to 1 and set the LTSCALE to .5. SaveAs FRAMEPLN.

Figure CE33-2
2. Detail Plans

Continue working on the drawing from the previous exercise. Create an additional Layer for the dimensions to be added to the detail views (e.g., DIM2). In model space, dimension the exterior column detail as shown in Figure CE33-3, using a DIM-SCALE of 12. For the interior column detail, simply add Leaders to indicate the size of the column and the foundation pier. You will notice that these dimensions will appear in the overall plan view also.

In model space, select the overall plan viewport, and through the Layer Control drop-down list Freeze the DIM2 layer in that viewport only (Fig. CE33-4). In paper space, Freeze the layer for the viewports. Save your work.
3. Framing Section

Open the FRAMING drawing from the Chapter 26 Exercises. In model space, add dimensions as shown in Figure CE33-5. Set the DIMSCALE so that the view will plot at ¼”=1'-0”.

**Figure CE33-5**

In the Layout, add two more viewports as shown in Figure CE33-6. Scale these detail views to 1”=1'-0”. Use the Layer Properties Manager so that the dimensions from the full section do not display in the detail views. Remember to change the necessary settings to have the linetypes plot correctly. Save your changes.

**Figure CE33-6**
4. Connection Details

Continue working on the FRAMING drawing from the previous exercise. In paper space, dimension the detail views as shown in Figure CE33-7 and CE33-8. In order to dimension correctly in paper space, set the DIMSCALE to 1 and the DIMLFAC to 12 (since the drawing is 1/12 scale). To complete the drawing, add labels and scale notes to each view and Freeze the viewports layer.

Figure CE33-7

Figure CE33-8
The completed drawing should look like Figure CE33-9. Use the **Page Setup** dialogue box from the **Layout** tab to edit a plot style so that the object and border lines are thick, the text and dimensions are medium, and the hatch pattern is thin. Make a **Plot** of the drawing at 1:1 on D-size paper. **Save** your drawing.

**Figure CE33-9**