



Module 4 - Drafting Conventions

4.4 MOCK-UP DRAWING SET

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Mock-Up Set, Cartoon Set, Story Book Set, and Mini-Set are names referring to drawings (or sketches) usually reproduced at 1/4-size representing all the project sheets required for a phase of the construction drawings. The mock-up is either manually sketched or CAD generated.

The mock-up set assists in the planning of the entire drawing set by assigning graphic and textual information to specific sheets in the construction document set. It uses standards provided by *Drawing Set Organization*, *Sheet Organization*, and other UDS modules.

It is preferable that this reduced set of drawings be started at the onset of the design development phase or before. The step-by-step procedures for producing a mock-up follow.

4.4.1 Mock-Up Set Procedures

Step 1: Compile a sheet list based on the Sheet Type Designators described in the [*Drawing Set Organization, UDS section 1.3*](#). Identify each sheet using the designators described under [*Sheet Identification, UDS section 2.3*](#). Format the sheets as prescribed in the *Sheet Organization Module*.

Step 2: Create in CAD a blank project sheet at 1/4-size and make a number of copies on which to draw the mock-up.

Step 3: Reduce the drawings from the preceding phase of the project and paste on the sheets either by using CAD or manually. Augment with added drawings from the sheet list.

Step 4: Circle items that require detailing. Eliminate repetition by identifying typical details. Enlarge these circled areas to the appropriate scale, refer to [*Scale, UDS section 4.2*](#) and place in the subdivided sheets. Add bubbles containing the number of each detail to the sheets from which the details were enlarged.

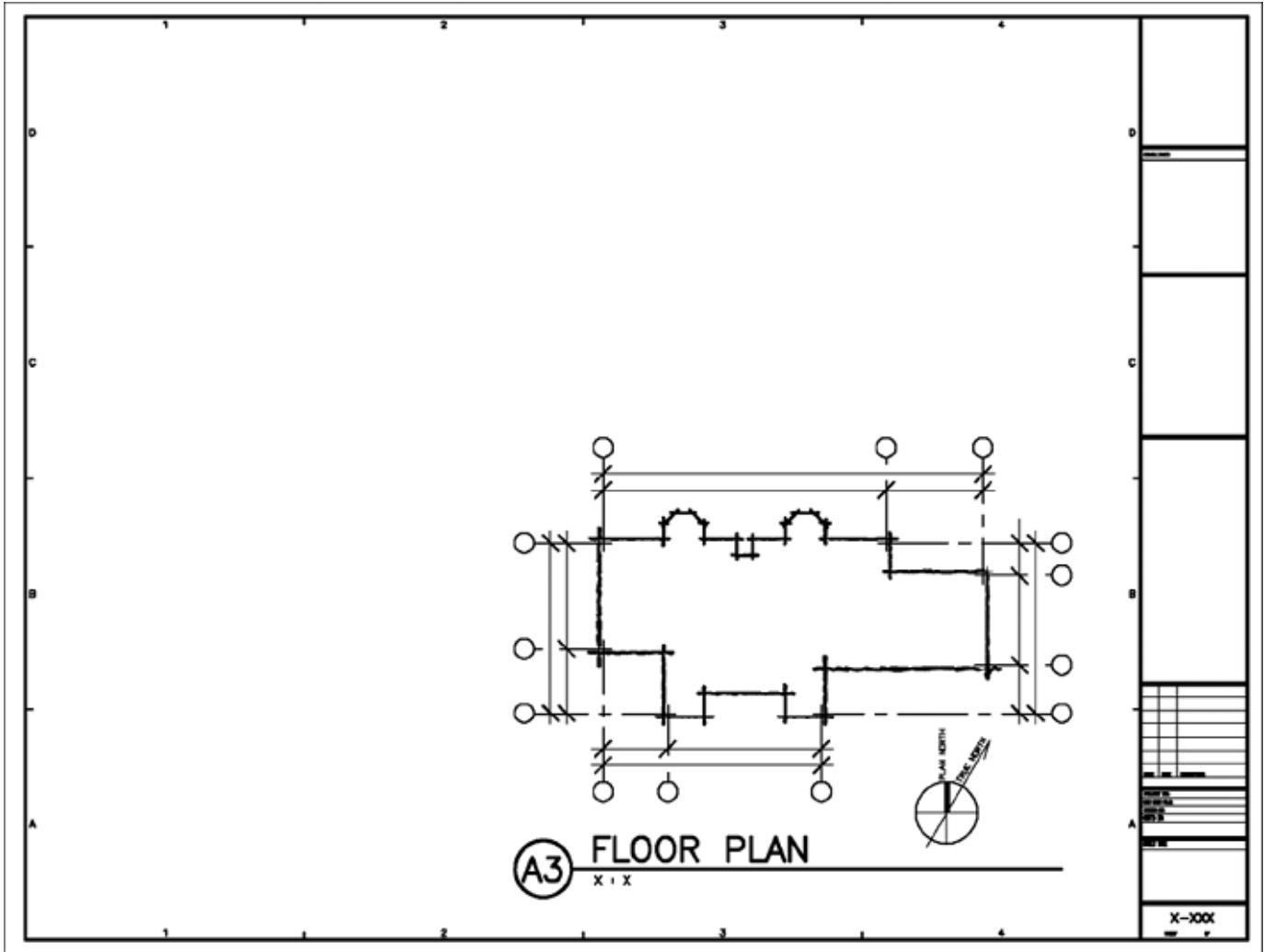
Step 5: Identify rooms that require interior elevations using the symbols shown in Symbols. Sketch each elevation on the appointed sheet(s).

Step 6: If the schedules are to be included in the drawings rather than in the specifications, estimate the size of schedules by counting the number of items to be included in them.

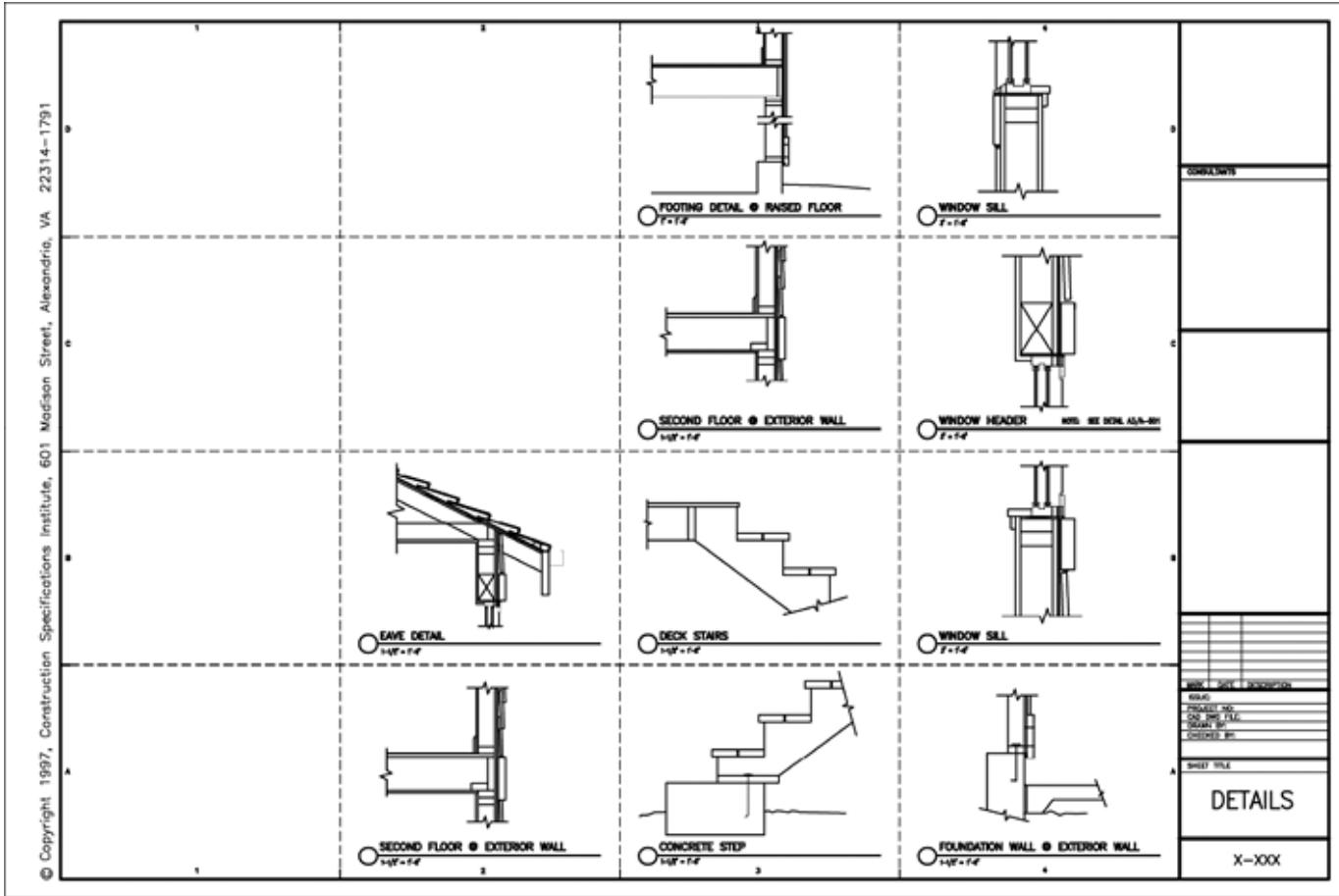
Step 7: Sketch diagrams representing partition, door, window, etc. Refer to [*Sheet Types, UDS section 4.3*](#). The sketching should show only the space requirement at this early stage in the project.

Step 8: Allocate space for 3D representations if required for the project. Also assign one sheet for miscellaneous details.

The mock-up must convey as much relevant information to the project team as necessary to show organization, numbering, and outline content. If CAD is used, enlarge or reduce the drawing from the preceding phase to generate details. After the drawing is generated, paste on the detail sheet. Refer to the [*UDS Appendix C - Influences Table, UDS section 1.8*](#) for sheet groupings, format, subdivisions, and numbering. Also, identify standard details to be retrieved from the firm's standard details library, reduce to 1/4-size, and paste on their respective sheets. Refer to **UDS Figures 4.4.1-1** and **4.4.1-2**.



UDS Figure 4.4.1-1 Mock-up of a plan sheet.



UDS Figure 4.4.1-2 Mock-up of a detail sheet.

4.4.1.1 Mock-Up Guidelines

The following items should be considered in preparing a mock-up drawing set:

- Establish minimum standard sheet size from largest unbroken plan footprint, elevation, or section. Use standard sheet sizes as provided in [Sheet Organization, UDS section 2.2](#).
- Choose a scale factor for the mock-up set as directed by [Sheet Organization, UDS section 2.4](#).
- Develop a comprehensive list of scaled and non-scaled views to be added to drawing sheets. The mock-up worksheet is provided at the end of this section to assist in this tabulation.
- Determine the extent of the participation of each of the various disciplines. Use discipline designators as shown in [Drawing Set Organization, UDS section 1.3](#) and [UDS Appendix A - Discipline Designators, UDS section 1.6](#) level one or level two designators as required.
- Assign scaled and nonscaled views to appropriate sheets based on [Sheet Organization, UDS section 2.4](#) and [Drawing Set Organization, UDS section 1.3](#).
- Review drawing categories to check for completeness.

4.4.2 Mock-Up Worksheet

A mock-up worksheet is a tool intended to help the drawing organizer estimate the total number of drawings and the total amount of production time required to develop a comprehensive drawing set. Additional space on the back or another sheet may be needed to list the total number of small-scale details and/or schedules the project requires. Refer to the Mock-Up Worksheet below.

MOCK-UP WORKSHEET

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