



3.2.14 Use of Screening—Existing Elements or Discipline References

Screened line work shall be used to indicate **Existing Elements** where applicable on all drawings. Screened line work will be applied to all referenced discipline line work other than the main discipline type of the drawing to emphasize the design.

3.2.15 Legends and Abbreviations

Standard legend sheets are provided on the Program web site based on the symbols libraries provided. Subject to PM approval, other symbols may be used as long as they are consistent throughout the project. If other symbols are used, provide a legend for those symbols.

Standard abbreviations provided will be used on this program. These will be referred to throughout the project to ensure that the drawings are produced using standard notations.

Refrain from using periods (.) after an abbreviation unless that abbreviation spells a word. If a necessary abbreviation is not listed or is not generally standardized within the industry, then spell out the word. If custom abbreviations are used, add to the abbreviations sheets provided.

3.2.16 Plotting and Deliverables

Plot configuration files will be provided to ensure a consistent output to plotters, printers, and exporting files for publishing.

The Program *Requirements for Engineers* specifies drawing submittal requirements for each project phase. In some cases electronic files will be required in pdf and AutoCAD format. Pdf files shall be created as full-size (24x36) drawings. For deliverable files in pdf format for Final Contract Documents, Conformed Documents, and Record Drawings, an individual pdf file shall be provided for each drawing, and each file name shall include the drawing number. Combined drawing pdf files are acceptable for preliminary submittals and shall also be provided with the Final Contract Documents, Conformed Documents, and Record Drawings submittals, along with the individual drawing files.

3.2.17 Drawing Set Development

The drawing set will be organized using the following discipline order.

- General—cover, location maps, index and legends
- Civil
- Landscaping
- Architectural
- Structural
- Process
- Mechanical—HVAC
- Plumbing
- Electrical
- Instrumentation and Control—P&IDs

Orient drawing file plan views with NORTH up. If not possible, orient NORTH to the left.