

## 1.0 DRAWING CHECKING PRACTICES

- (a) The checker shall indicate all corrections clearly and in sufficient detail for the designer to completely understand them.
- (b) Make no changes to the design drawing if it reflects sound engineering practices and can be readily interpreted, or to the arrangements, design, methods of presentation, and details if they do not conflict with drafting standards or the design criteria.
- (c) If interferences are found, the checker shall recommend coordination with other design groups to resolve problems.
- (d) On the checkprint:  
  
Correct work shall be yellowed out to verify that items have been checked.  
Changes or additions shall be clearly indicated in red.  
Deletions shall be indicated in green.  
As corrections are made, required corrections shall be circled in blue.
- (e) The drawing number shall be checked for conformance to the project drawing numbering format.
- (f) All lettering and linework shall be checked for legibility and for compliance to client requirements and engineering standards.
- (g) Drawings shall also be checked for:  
  
Correctness, completeness, and freedom from interference  
Conformance to design criteria  
Compliance with applicable codes  
Constructibility, operability, and maintainability, as applicable  
Incorporation of all outstanding approved changes (see FMEP-P-0320)
- (h) Upon submittal of the corrected drawing, assure that all comments have been incorporated or resolved before initialing the original.

## 2.0 DRAWING REVIEW PRACTICES

- (a) Items (a) through (d) above apply.
- (b) Review the design for interfaces with designs within the reviewers' technical area of expertise.
- (c) Identify interferences and omissions between the different areas of design.
- (d) Identify conflicts and omissions in design requirements and codes and standards.
- (e) Complete the drawing review with comments noted on the review print or through the use of the "Design Review Comments" form Exhibit F. Preference is to use the form where possible.