

PART 536 - STRUCTURAL ENGINEERING

WI 536.02(d)

§WI 536.01 Standard detail drawings.

(g) All drawings used repetitively in preparation of construction plans are considered standard drawings. Standard drawings will be classified as either structural or non-structural and are defined as follows:

(1) Structural drawings require specific design analysis in order to size critical components of the drawing. Load computations, foundation conditions, and strength of materials are examples of design parameters that may be used to develop a structural drawing.

(2) Non-structural drawings show component details, installation instructions, material requirements, or act as a data sheet to communicate design features or dimensions.

(h) All structural drawings shall be supported by a design folder. The design folder will be on file with the designer of the standard drawing and the State Conservation Engineer. The design will be checked and approved by an engineer with the appropriate level of approval authority.

(i) Technical checking and field review of all potential Wisconsin standard drawings will be coordinated by an interagency committee (Design Tools). The State Conservation Engineer will approve the issuance of standard drawings to all field offices.

(j) Field staff often develop variations to issued non-structural drawings for local use. These "detail sheets" may be submitted to the Design Tools Committee for assembly and distribution to all field offices. The detail sheets are issued as information and to avoid duplication of efforts. Detail sheets may be incorporated into existing standard drawing revisions or be the basis for development of a new standard drawing.

§WI 536.02 Use of standard detail drawings.

(d) Structural standard drawings shall not have structural features modified without approval from an individual with the appropriate level of engineering approval authority. The drawing can be tailored to the particular installation as long as the structural features are not modified. The person approving the construction plans is responsible for any changes made to standard drawings.

WI 536-2

A Wisconsin structural standard drawing that is modified, shall have a note added stating that it was modified, along with the date, or the standard drawing number and issue date must be removed from the drawing. This is not needed if the modifications were only to fill in the blanks on the drawing or delete non-applicable items.

(e) A non-structural drawing or “detail sheet” can be modified to meet the needs of the particular application. The person approving the construction plans is responsible for any changes made to the drawings.