NORTH CAROLINA BOARD OF EXAMINERS
FOR ENGINEERS AND SURVEYORS

POLICY

Title: **STAIR DESIGN AND STRUCTURAL SHOP DRAWINGS**

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The preparation of structural shop drawings that reflect the design from sealed engineering design drawings does not constitute the practice of engineering as defined in G.S. 89C. If the shop drawings are design drawings for stairs, mezzanines or other structural components that are not designed in the set of sealed structural design drawings, then the shop drawings must be sealed by a PE. The sealing of a separate letter that approves the shop drawings does not substitute for sealing the shop drawings. For the PE to seal, the work must be prepared by, or under the responsible charge of the PE, in compliance with Board Rule 21-56.0701(c)(3). The PE can delineate the applicability of the seal so as not to take responsibility of architectural or other aspects of the design.

The PE can review and approve shop drawings that conform to the PE's original design with appropriate disclaimer language and sign and seal to that effect. This does not alleviate the requirement that shop drawings of components not covered in the original set of design drawings must be separately signed and sealed.

This does not prohibit a PE from providing a signed and sealed letter attesting to the compliance with code of fabricated or installed components, as distinguished from a review of drawings for the fabrication. Tilt-up panel evaluation, construction deviations from the engineering design drawings, and similar situations fall into this category.

If held out by the steel fabricator as an engineering service or as being done by a PE then the work must be signed and sealed and the company must be appropriately licensed with this Board, even if prepared based upon sealed engineering design drawings.