
NORTH CAROLINA BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS

Policy

Roofing Systems				
NUMBER: BP-1405-1		REV. NO.: 2 (Revisions: Underlined or Struck through)	ORIGINAL BOARD APPROVAL:	05/15/2014
			LATEST COMMITTEE REVIEW:	05/13/2020
CATEGORY(IES)	<input type="checkbox"/> Surveying	<input checked="" type="checkbox"/> Engineering	<input type="checkbox"/> Other	
	<input type="checkbox"/> Unlicensed	<input type="checkbox"/> Seal		
ORIGINATION:	<input type="checkbox"/> Surveying Committee	<input checked="" type="checkbox"/> Engineering Committee	<input type="checkbox"/> Other	

(Restatement of Policy approved by the Board on January 11, 1991, as revised 7/9/14 and re-titled 7/8/15, and as revised 9/14/16)

NOTE: Underline and strikeouts in black are revision 2 revisions.

The design, inspection, investigation, evaluation, specification or preparation of drawings in connection with the construction, major repair (other than limited patching), ~~renovation~~, replacement, recover, or retrofit of the roofing systems for commercial, industrial, institutional and residential (other than ~~steep-sloped-shingled~~ the building code exemption from a design professional for one or two family residential and residential buildings with eight or fewer units having at-grade-exits) buildings may involve the practice of engineering as defined in the G.S. 89C-3(6).

The offering or rendering of services to evaluate or determine the structural integrity or capacity, or to evaluate or analyze specific aspects of a roofing system (including but not limited to wind uplift resistance, primary and secondary drainage systems, gravity loads, dew point determination, fire resistance, thermal resistivity, etc.), whether or not provided in conjunction with other roof consulting services, constitutes a specific practice of engineering. Such practice would include the analysis of problems with roofing systems requiring engineering judgment, calculation, or physical and/or chemical tests upon materials and/or structural elements, as well as development of remedial actions, excluding localized and nominal repairs which result only in restoration of the existing roof system to a watertight and serviceable condition. Construction specifications prepared for roof replacement where the membrane and insulation is removed and new insulation and membrane installed or for roof recover where new insulation and membrane is installed over the top of an existing system should be performed by licensees working for licensed firms.

Therefore, the practice of, or any form of representation as a "Roof Consultant" involving activities defined as "practicing engineering" as described herein, may be pursued only by an individual or firm licensed to provide engineering services.

Examples of activities which should be undertaken only by or under responsible charge of a Professional Engineer include but are not limited to:

- a) Structural analyses of the roof system, including the supporting structure, existing fixed loads, etc., and determination of adequacy to accommodate changes or modifications to the system.
- b) Design of roof decks and supporting structure.

- c) Analysis of drainage systems on and below the roof surface and design of new systems or additions and modifications to existing systems.
- d) Analysis of available roof systems and determination of appropriateness and applicability to building conditions.

Nothing in this policy is intended to restrict the normal practice in this field by registered Architects. Nothing in this policy is intended to restrict the normal practice of roofing contractors in so far as repairing or the replacement of like kind roofing systems.