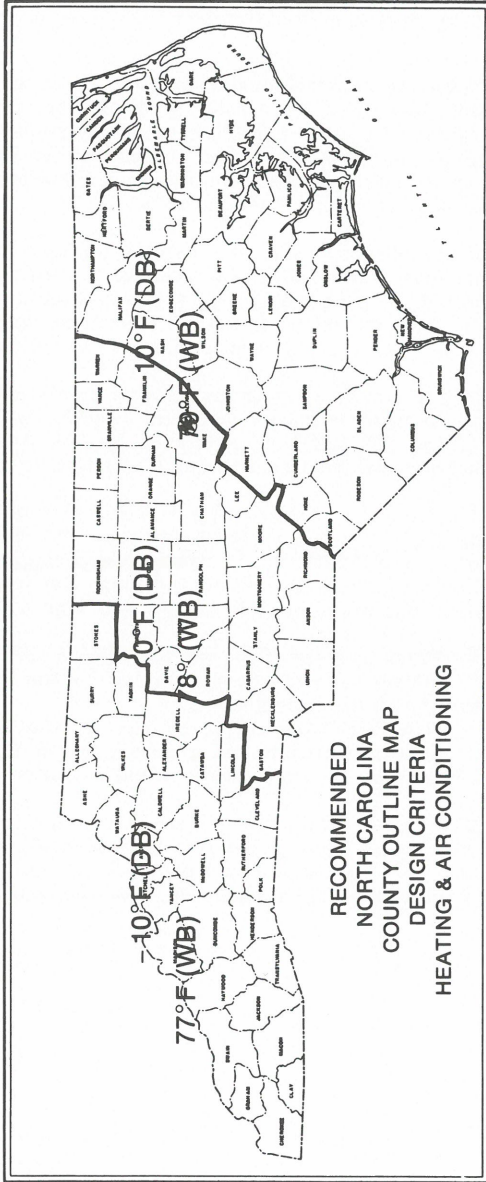


APPENDIX "H"



Note:

This recommendation is for conditions within the comfort zone.

Exceptions:

A freezer locker plant for example, or a warehouse not requiring heating or cooling within the comfort zone, will be acceptable where plans and specifications are submitted indicating other objectives.

Appendix H

RECOMMENDED DESIGN CRITERIA

- (a) The air conditioning system shall be designed for 78 degree Fahrenheit inside temperature when the outside temperature is 95 degrees Fahrenheit and 78 degrees Fahrenheit wet bulb (plus or minus according to location of statewide area, and in accordance with map on previous page).
- (b) The heating portion of the system shall be designed for an indoor temperature of 75 degrees Fahrenheit when the outside is -10 degrees Fahrenheit in the mountain area; zero (0) Fahrenheit in the Piedmont area and plus ten (10) degrees Fahrenheit on the Coastal Plain. The installer shall be held responsible if he selects the equipment; the engineer or architect or developer shall be responsible if he selects it.
- (c) Where design conditions are to be other than that of maintaining a temperature within the comfort zone, (for example, a warehouse, a freezer locker plant, or a factory building) the person obtaining the permit shall submit in writing or a drawing with indication of design criteria for approval. Upon acceptance by the Inspection Department permit will be issued.

Design criteria, application of equipment and installation details shall be in accordance with nationally recognized good engineering practice and within the recommendations of the "GUIDE" as published by the American Society of Heating, Refrigeration and Air Conditioning Engineers, or equivalent data.

SCHOOL BUILDING (Heating, Air Conditioning & Refrigeration) plans and specifications for installations of heating, air conditioning and refrigeration or ventilation shall also comply with the Division of School Planning, N. C. Department of Public Instruction, Education Building, Raleigh, N.C. 27602. All plans and specifications are subject to review and approval prior to advertising for bids.

MEDICAL FACILITIES—Plans and specifications for heating, air conditioning or refrigeration are subject to review and approval by the Medical Care Commission, 437 N. Harrington St., Raleigh, N.C.

NORTH CAROLINA PUBLIC BUILDINGS sponsored by the Department of Administration are subject to review and approval by the Division of Property Control, Department of Administration, Administration Building, Raleigh, N.C. 27602.

HEATING REQUIREMENTS for Industrial, Merchantile and Service Establishments, are governed by the "*Safety and Health Standards*" Article 2, page 5, 6 and issued by the N. C. Dept. of Labor, Raleigh, N. C. This Article 2 stipulates definite temperatures for workers depending upon the work activity.