

APPENDIX B – CODES, STANDARDS AND REFERENCES

- A. At the time of preparing these guidelines, the following codes, standards and references were used. Designers are required to use recent codes and standards applicable at the time of designing a project. Some of these codes, standards, and references are listed for general information purposes only.

1. CODES

- a. North Carolina State Building Code (2000 International Building Code with North Carolina Amendments)
- b. North Carolina Building Code – 2002 Edition
- c. North Carolina Energy Code – 2002 Edition
- d. North Carolina Mechanical Code – 2002 Edition
- e. National Electrical Code – 2002 Edition

2. STANDARDS

- a. ASHRAE Handbook
 - 1) 2001 Fundamentals
 - 2) 2000 HVAC Systems and Equipment
 - 3) 1999 HVAC Applications
 - 4) 2002 Refrigeration
- b. ANSI/ASHRAE/IESNA Standard 90.1-1999 – Energy Standard for Buildings Except for Low-Rise Residential Buildings
- c. ASHRAE Standard 62.1- 1999 Ventilation for Acceptable Indoor Air Quality

3. REFERENCES

- a. Life cycle cost analysis for North Carolina State facilities, October 1, 2001
- b. Energy Guidelines for School Design and Construction, 1991. N.C.D.P.I., Raleigh, NC
- c. Landscape Planning for Energy Conservation, Reston, VA (1977)
- d. Design with Climate, 1973, Victor Olgay
- e. Edward Mazria, The Passive Solar Energy Book, Rodale. Press, Emmaus PA (1979)
- f. Carrier and Trane Systems Design Manuals.
- g. McGuinness, Stein and Reynolds, Mechanical and Electrical Equipment for Buildings, John Wiley & Sons, (1980)

- h. Passive Solar Construction Handbook, SSEC, Atlanta, GA (1981)
- i. Energy and Environment Division, Laurence Berkeley Laboratory, Daylighting/Window Design Resource Package, Vol. 1-20, LBL, Bldg. 90, Rm 3111, Berkley, CA, 94720, 1980
- j. Federal Energy Administration (NOW D.O.E.), Lighting and Thermal Operations, Conservation Paper No. 3, 1975
- k. Illuminating Engineering Society, I.E.S. Lighting Handbook, Ninth Edition
- l. Illuminating Engineering Society, Daylighting Committee Recommended Practice of Daylighting LD & A, Vol 9, No. 2, Feb 1979, pp 25-61