

APPENDIX C

2006 Edition, Published January 1, 2006; Document Revision Date: July 1, 1996

ENERGY CONSERVATION REPORT

Engineering Data to be submitted with basic review documents.

A. BUILDING CONSTRUCTION

Building Area Gross (Sq. Ft.) _____ sq. ft.
Overall "U" Factor for wall envelope U = _____ BTU/hr/sq. ft./degrees F
(Include walls, glass, doors)
Overall "U" Factor for Roof U = _____ BTU/hr/sq. ft./degrees F
Percent Glass Area _____ Type of Glass _____

B. HEATING

Design Heat Loss _____ BTU/hr
Ventilation Load _____ BTU/hr
Total _____ BTU/hr
_____ BTU/hr/sq. ft.
Boiler Capacity _____ BTU/hr
Fuel _____

C. VENTILATION SYSTEMS

Supply Air _____ CFM _____ HP _____ KW _____
(Total Supply and Return Fan)
_____ CFM/sq. ft. _____ CFM/ton
_____ KW/ton _____ KW/sq. ft.
Exhaust Fans _____ CFM _____ HP _____ KW _____

D. COOLING SYSTEM

Chiller 100% _____ Tons _____ KW _____ KW/ton _____ KW/sq. ft.
50% _____ Tons _____ KW
Auxiliaries (Tower Fans, CHW Pumps, Cond. Pumps)
_____ HP _____ KW _____ KW/Ton _____ KW/sq. ft.

E. HEATING AUXILIARIES

Pump, etc.

_____ HP _____ KW _____ Kw/sq. ft.

F. LIGHTING

- INTERIOR

Fluorescent Watts per sq. ft. _____ Total KW _____

Incandescent Watts per sq. ft. _____ Total KW _____

Interior Total KW _____

- EXTERIOR

All lights

Exterior Total KW _____

G. MAXIMUM BUILDING ENERGY LOAD

Building Sq. Ft. _____

Total BTU per year _____

BTU per sq. ft. per year _____
(Non-elect. HVAC)

BTU per sq. ft. per year (Electric) _____

Total BTU per sq. ft. per year _____

END OF APPENDIX C