

Proving Your Point:

Researched
Sustainable Strategies
in Historic Housing
applied and
documented in
contemporary practice.

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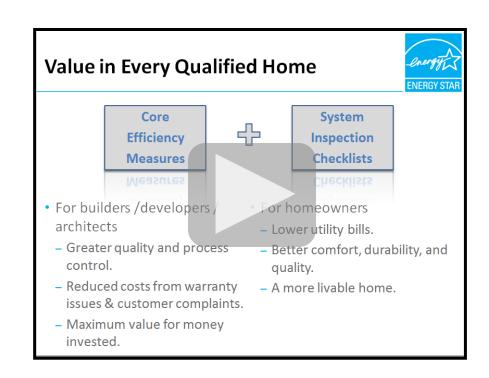


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Louis Wasserman AIA Principal Architect

M. Caren Connolly
Landscape Designer

of Louis Wasserman & Associates

Submit a question to the moderator via the Chat box. They will be answered as time allows.



Stephen Schreiber FAIA

Professor and Architecture+Design Program Director Department of Art, Architecture, and Art History University of Massachusetts Amherst



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Course Description

When architects innovate they have a responsibility to "Prove their Point."

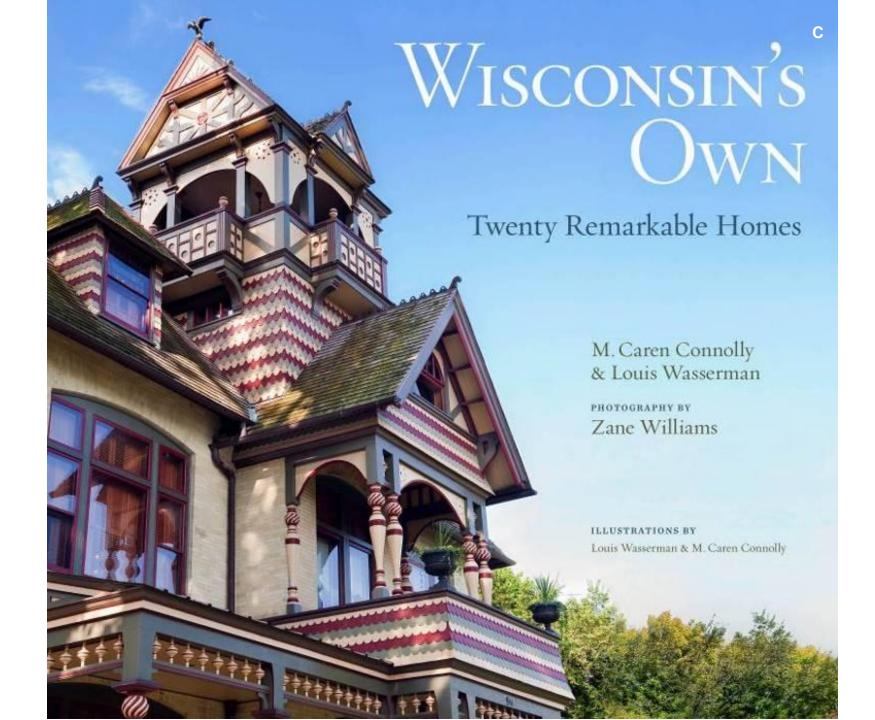
Wasserman and Connolly will demonstrate the innovative and sustainable building practices of historic residential architecture found in the homes they researched for their book Wisconsin's Own: Twenty Remarkable Homes. They will explain how one particular sustainable strategy: the Vent Chimney was researched and adapted to new projects. Wasserman and Connolly will show how they employed economical tools to gather the necessary data to "Prove their Point."



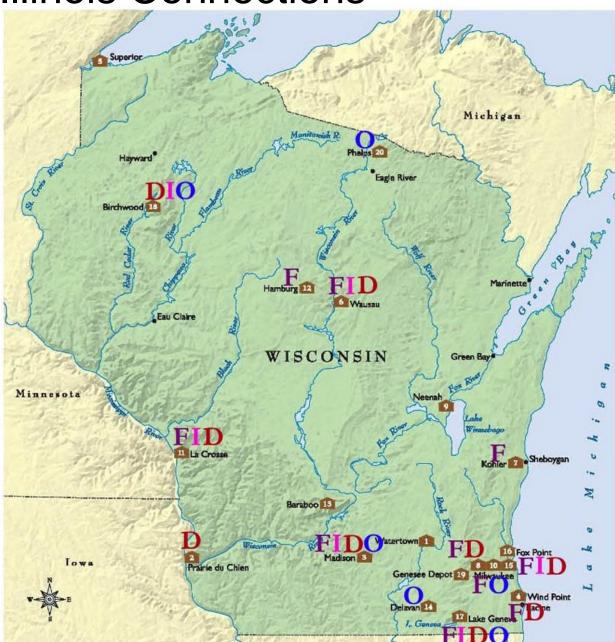
Learning Objectives

- Explain the contribution that historic residential architecture makes to contemporary American architecture.
- 2. Evaluate an historic home's sustainable practices according to current environmental standards.
- 3. Discuss how sustainable strategies in historic residential architecture can actually be applied today.
- 4. Demonstrate how practicing architects can use economical and technical tools to gather data to demonstrate the efficacy of their design intent...to "prove their point."

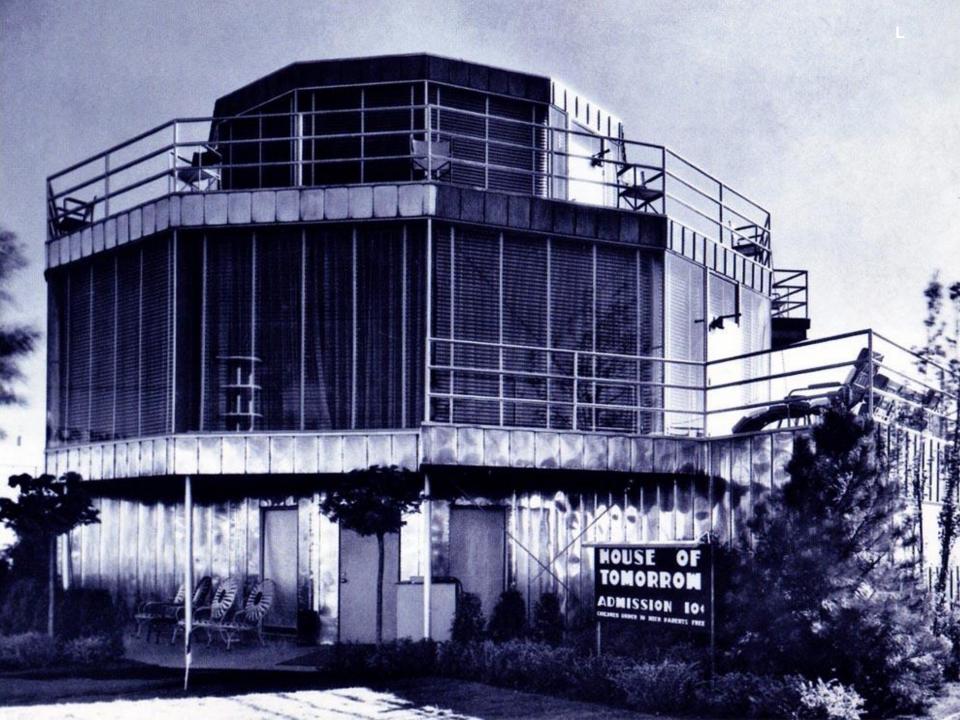




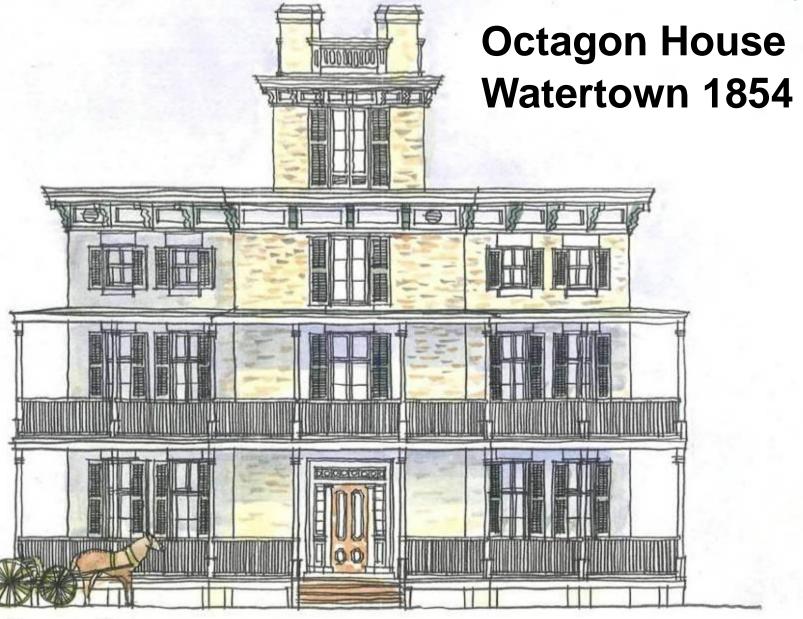
Illinois Connections



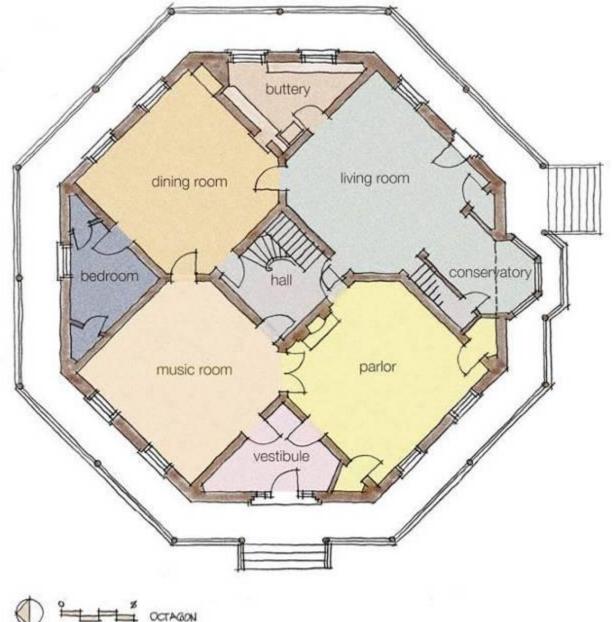
- 1. OCTAGON HOUSE
- 2. VILLA LOUIS
- 3. HAROLD C. BRADLEY HOUSE
- 4. WINGSPREAD
- 5. FAIRLAWN
- 6. CYBUS C. YAWKEY HOUSE
- 7. RIVERBEND
- 8. VILLA TERRACE
- 9. HAVILAH BABCOCK HOUSE
- 10. CAPTAIN FREDERICK PARST MANSION
- 11. HENRY A. SALZER HOUSE
- 12. WALTER AND MABEL FROMM HOUSE
- 13. HOUSE OF SEVEN GABLES
- 14. ALLYN MANSION
- 15. ADAM J. MAYER HOUSE
- 16. BROOKS STEVENS HOUSE
- 17. WADSWORTH HALL
- 18. ISLAND OF HAPPY DAYS
- 19. TEN CHIMNEYS
- 20. FORT EAGLE



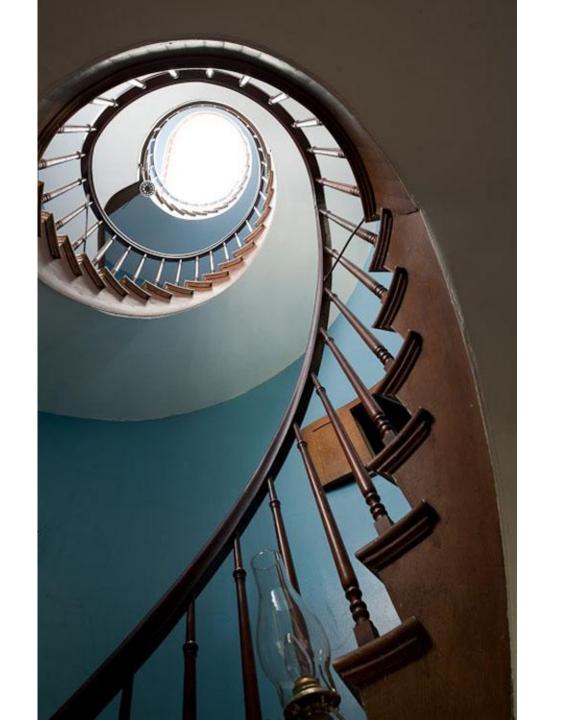


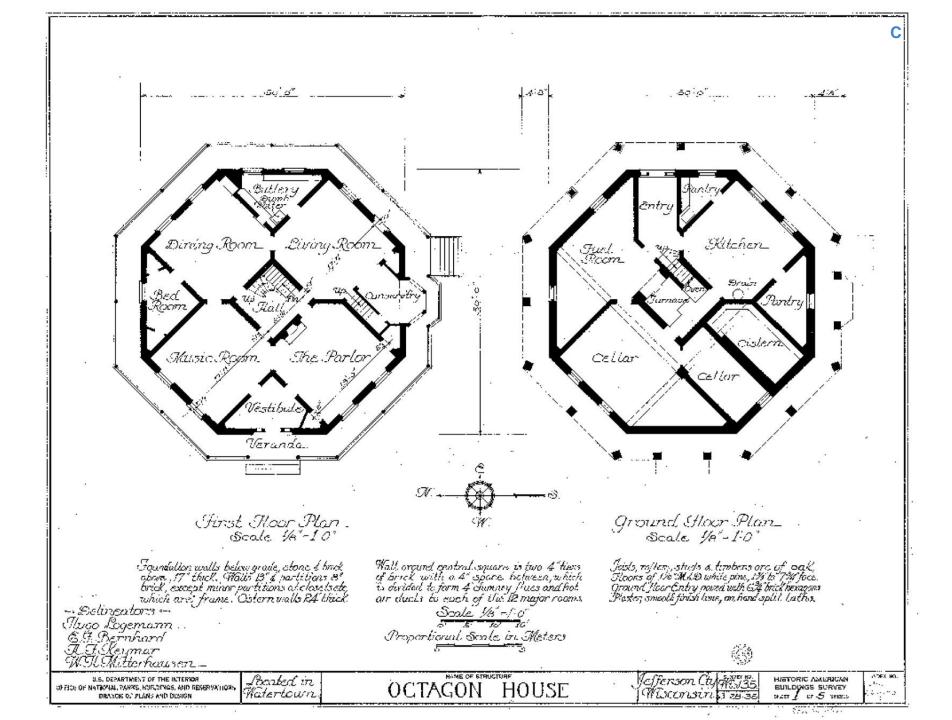


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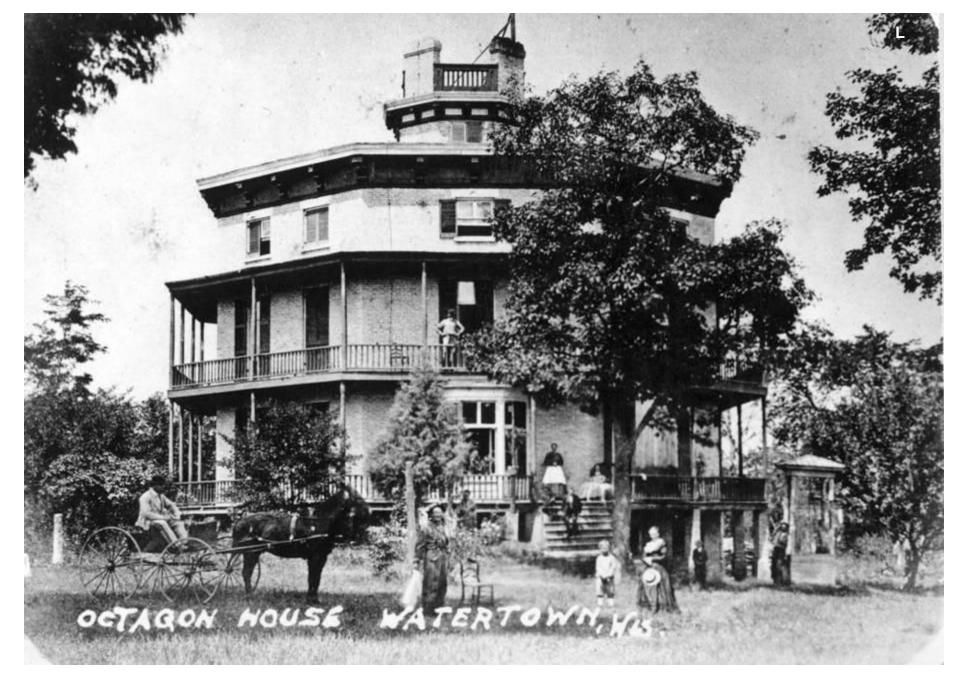


























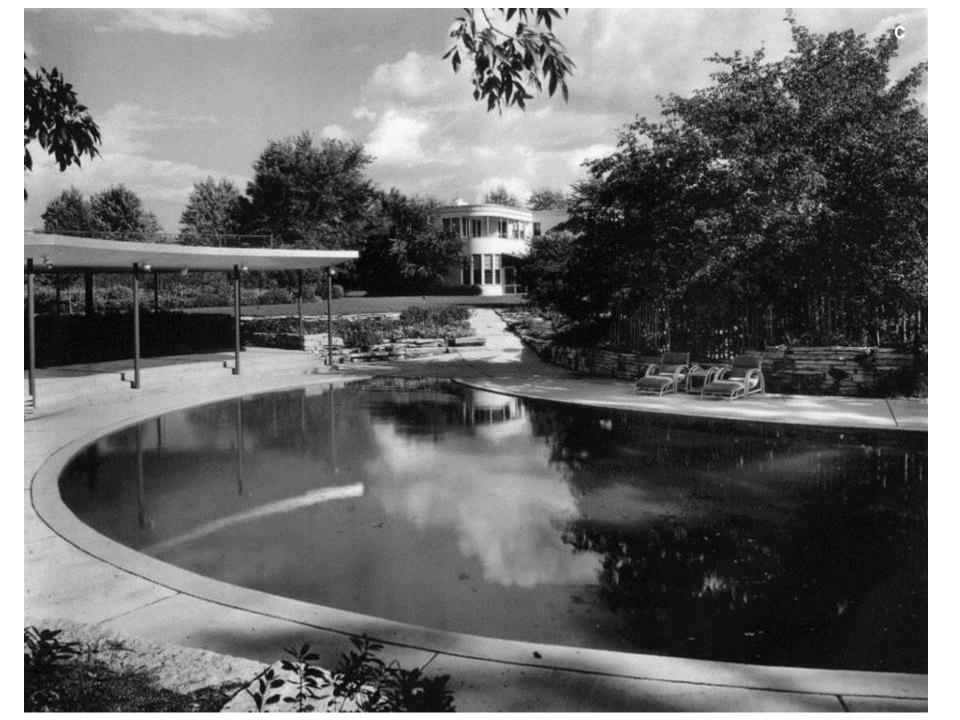


Brooks Stevens House Fox Point1939



EROOKS STEVENS























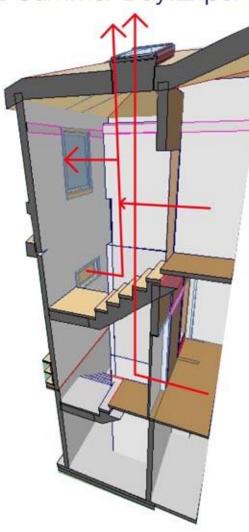






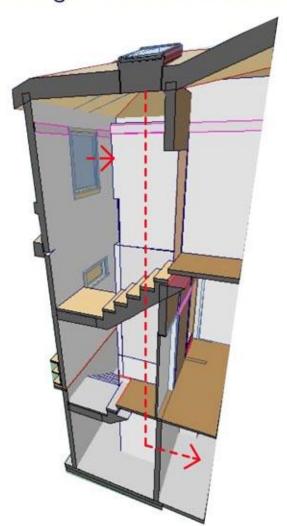
2 Summer Day: Expel Heat

3 Summer Night: Collect Cool Air



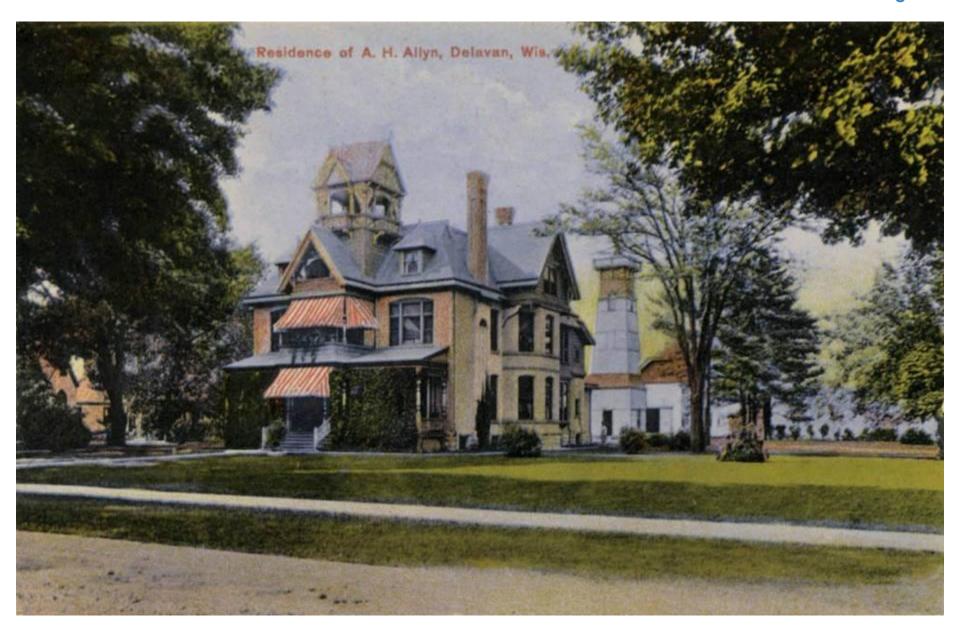
Ventilation Chimney Notes for Summer Cooling Cycle

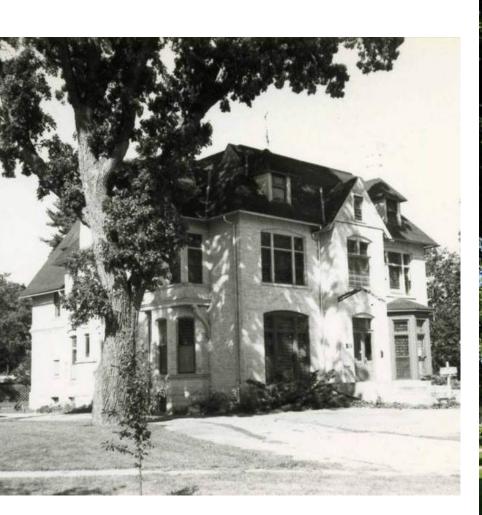
- Mechanical system provides conditioned air.
- 2. Hot air collects in Stair Tower aided by building fan at roof of tower and is expelled by skylights, windows and building fan.
- 3. At evening/cool cycle stair and vent shaft collect outside cool air and store in basement thermal mass then distribute to floors above.



Allyn Mansion Delavan 1884-1885

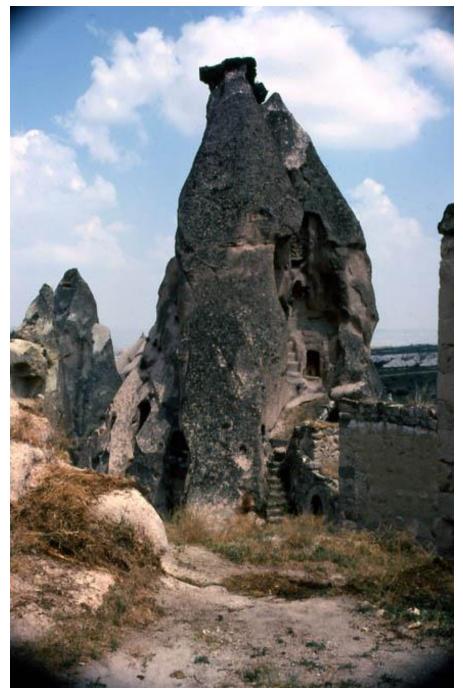






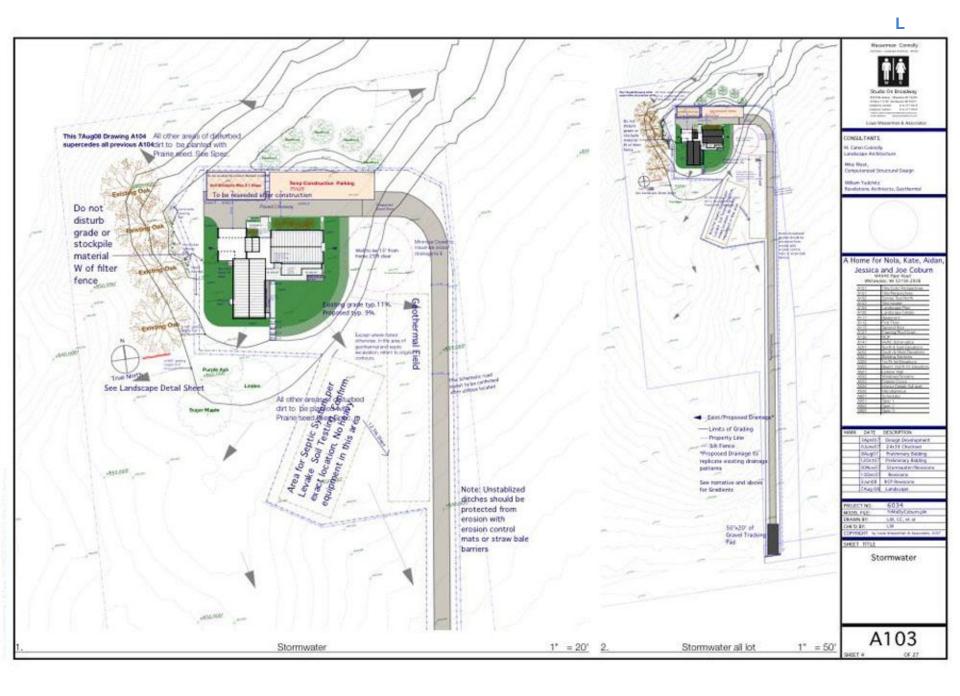


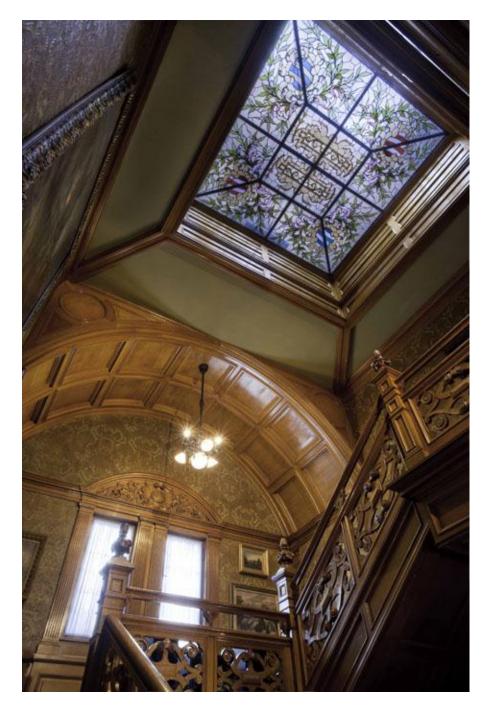


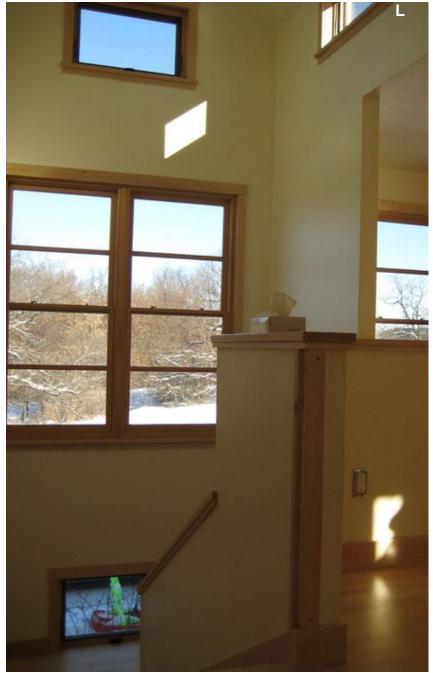


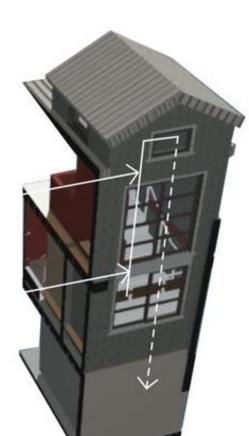


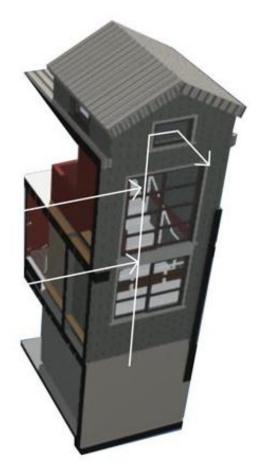


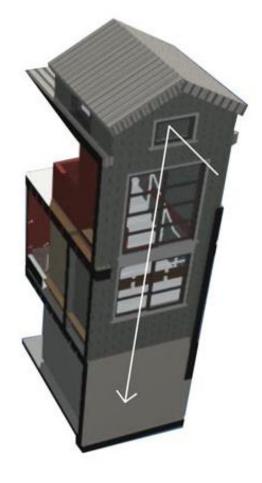












Winter

Ventilation Chimney Notes for Winter Heat Cycle

- 1. Mechanical system provides heat.
- Stair tower collects rising heat aided by building fan at roof of tower
- Vent shaft collects hot air at top of stair tower and redirects to first floor aided by fan at base of vent shaft.

Summer Day

Summer Night

Ventilation Chimney Notes for Summer Cooling Cycle

- 1. Mechanical system provides conditioned air.
- 2. Hot air collects in Stair Tower aided by building fan at roof of tower and is expelled by skylights, windows and building fan.
- 3. At evening/cool cycle stair and vent shaft collect outside cool air and store in basement thermal mass, then distribute to floors above.

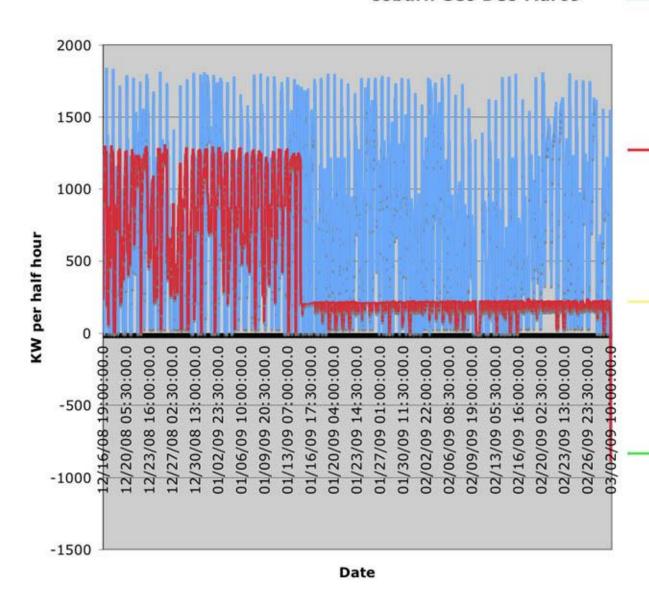
The Wisconsin Energy Conservation Corp & The Energy Center loaned data loggers







Coburn Geo Dec-Mar09

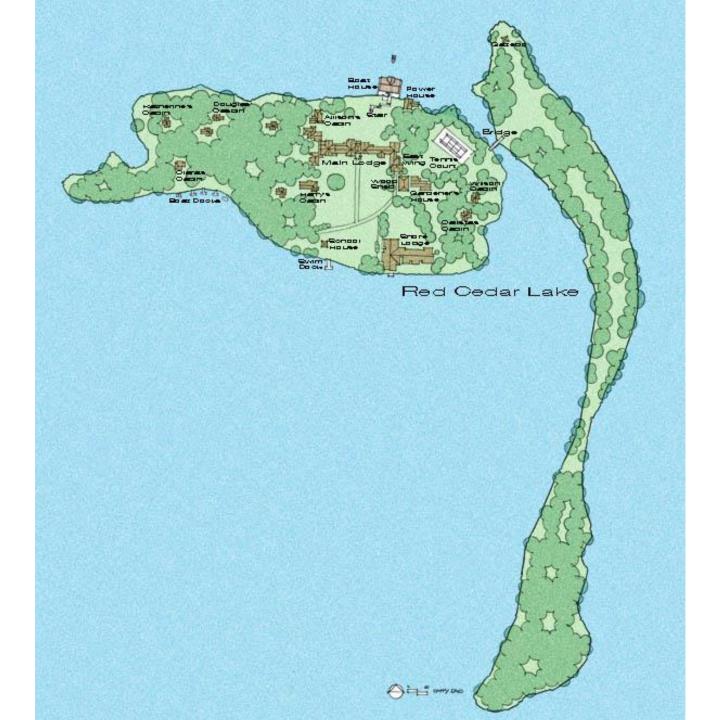


Geotherm 1 Counts (#) 4093 250 0 0 0 223 0 217 270 710 967 1201 1221 1220 1286 1051 439 310 596 760 884 929 68 0 0 0 219 0 0 283 649 555 509 812 770 858 869 939 886 921 930 1235 1831 1372 1580 1549 1764 1795 1687 1682 1625 1462 1396 23 0 268 791 930 1227

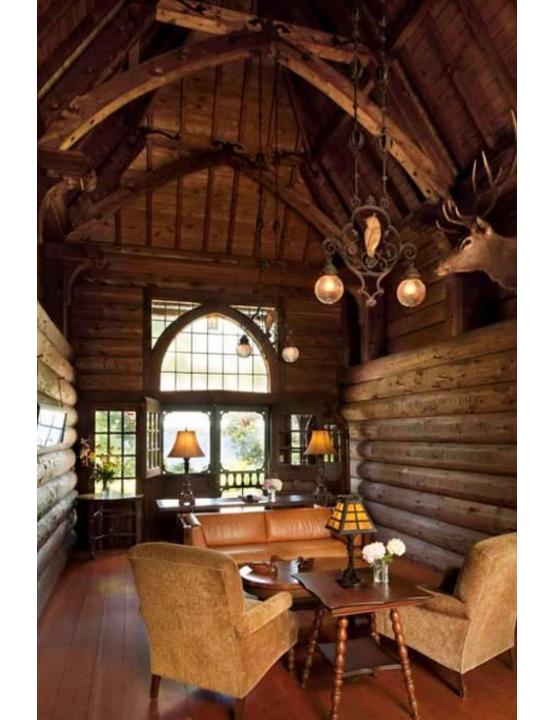
Geotherm2 Counts (#) 4093 0 206 274 371 704 830 860 863 949 971 976 896 1045 1004 1054 889 750 347 389 644 638 709 1050 1130 1219 1236 1285 1259 1210 1236 1263 1222 1236 1244 1243 1243 1275 1185 1252 1249 1250 1252 1227 1155 1237 1243 1246 1246 1181 1167

Geotherm2 Counts (#) 4093 0 206
Series Logger Info Model Serial
Number Memory Size (Bytes)
Deployment Series Info Points Used
First Point Last Point Duration Stats
Wrap Count Max Value Min Value Avg
Value Launch Parameters Load Time
Launch Time Logging Ti

Geotherm2 Counts (#) 4093 0 206 Geotherm 1 Counts (#) Information specific to the logger HOBO Micro Station Logger [H21-002] 731191 524288 45 Information about the data in the series 3704 12/15/08 10:00:00.0 03/02/09 13:30:00.0 77 Days 03:30:00.0 Calculat









M. Caren Connolly & Louis Wasserman Architecture Landscape Architecture

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Thank you for joining us!

This concludes the AIA/CES Course #H12003.

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