

SOUTHERN OREGON CHAPTER AIA

Regular Monthly Meeting

May 21, 2008

The meeting was called to order at 12:00 pm in Room 340 of the Medford City Hall. Members Jeffrey Bender, Gary Caperna, Steve Ennis, Raymond Kistler, Joanne Krippaehne, Bruce Richey, James Robillard, Robert Seibert, and David Straus were present along with associate members Jason Zook and Eric Abrams. Emeritus members F. Jerome Hunter and Theodore Mularz and guest Tom Marineau also attended.

The minutes of the meeting are as follows: The Carnegie Library workgroup approved the AIA drawings. The next meeting is June 11. Exterior elevations will be presented to the workgroup. Design Development and Construction Documents will need to be scheduled next.

PROGRAM: RADIANT FLOOR HEATING SYSTEMS

Presented by Greg Enright and Tim Magnun

History - Ancient Romans used hot water circulation systems. Koreans started using radiant floor heat about 2000 years ago.

Hydronic (water) is a very efficient method of floor heating. There is a higher first cost but lower operating costs. Electric radiant heating has a lower first cost but higher operating costs.

There are different electric heating methods:

- Cables woven in a pattern.

- Cables attached to a mat - approximately 12 watts/s.f.

- Some systems require a thin set embedment.

- Other systems do not require embedment.

Cable systems can be used for exterior snowmelt. Approximately 45 minutes of warm-up time is needed.

Cautions:

- Metal 1/4" toothed (notched) trowels can nick wires.

- Ohm test should be performed on delivery, after placement and at completion.

- The system should be fully GFIC rated for equipment and people.

Questions and answers followed the presentation.

The meeting was adjourned at 1:10 pm.

Submitted by Bruce Richey, AIA, Chapter Secretary.