Electric LEAGUE of the pacific northwest

Bureaucratic Affairs Building Scavenger Hunt Questions

Facility Dynamics ENGINEERING

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Bureaucratic Affairs Building Scavenger Hunt Questions

1. What is the size of the inlet duct on a typical terminal unit?
2. How many steps are there from the first to the second floor?
3. What are the hours of operation for the Department of Bureaucratic Affairs?
4. Who manufactured the ladders that are being used on the project?
5. Will the ladders float?
6. Does the hot water system have any balance valves in it and if it does, who is the manufacturer?

Bureaucratic Affairs Building Scavenger Hunt Questions (continued)

7. For the finned tube radiation serving the West perimeter zone (Scene 12), what would you estimate that the pressure drop was through the balance valve if the flow is 7.4 gpm?
8. Can you propose a reason for the issue noted in the header picture on the Bureaucratic Affairs Building HHW System Logic Exercise web page. In other words, can you find a problem in the piping network that could be causing people at the East end of the 1st floor to complain of being cold when the rest of the building is comfortable?

Bureaucratic Affairs Building Scavenger Hunt Questions (continued)

9. Are all of the terminal units the same and if not, why do you think there is a difference between them?
10. Did you find any other “Easter Eggs”? If so, what did you find?