Effect of beamed, sloped, and sloped beamed ceilings on the activation time of a residential sprinkler

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Very good e book and useful one. Better then never, though i am quite late in start reading this one. I am just quickly could possibly get a pleasure of reading through a published ebook.
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EFFECT OF BEAMED, SLOPED, AND SLOPED BEAMED CEILINGS ON THE ACTIVATION TIME OF A RESIDENTIAL SPRINKLER

No binding. Book Condition: New. This item is printed on demand. Original publisher: Emmitsburg, MD : Dept. of Homeland Security, Federal Emergency Management Agency, U. S. Fire Administration ; Gaithersburg, MD : U. S. Dept. of Commerce, Technology Administration, National Institute of Standards and Technology, 2003 OCLC Number: (OCoLC)740450574 Subject: Ceilings. Excerpt: . . . 5. 1 Results of Computer Modeling Table 16 through Table 21 give comparisons between measured and predicted sprinkler activation times. Each table presents this information for a specific ceiling geometry. The first and second column of each table give the burner position, fire growth rate, time to sprinkler activation, and location of the sprinkler activated for each experiment. For each burner position and fire growth rate two experiments were performed and the average time to activation is given. The third column gives Fire Dynamics Simulator predicted activation time and location of the activated sprinkler for each burner position and fire growth rate. Table 22 through Table 27 are comparisons of the measured temperatures at the 1. 52 m (5 ft) elevation and the predicted values given by Fire Dynamics Simulator at the time of sprinkler activation. Each table presents this comparison for a specific ceiling geometry. The first column of each table gives the burner position and fire growth rate. The second column gives the average temperature, which represents the average of the four thermocouples, one at each sprinkler location, at the 1. 52 m (5 ft) elevation. The low - high temperature is simply the value of the lowest temperature recorded of the four thermocouples and the highest temperature recorded of the four thermocouples at the time of sprinkler activation. The third column gives Fire Dynamics Simulators predicted temperatures. 6 Uncertainty Analysis There are different components of uncertainty in the...

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