



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

By -

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...



**READ ONLINE**  
[ 7.56 MB ]

### Reviews

*Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.*

-- **Felicia Nikolaus**

*These sorts of ebook is the ideal book offered. It can be written in simple terms rather than confusing. I discovered this pdf from my dad and i advised this publication to understand.*

-- **Mr. Alejandrin Murphy PhD**