



Fire Flow Water Consumption in Sprinklered and Unsprinklered Buildings: An Assessment of Community Impacts

By Inc. Code Consultants

Springer-Verlag New York Inc., United States, 2013. Paperback. Book Condition: New. 2014 ed.. 226 x 155 mm. Language: English . Brand New Book. Fire Flow Water Consumption in Sprinklered and Unsprinklered Buildings offers a detailed analysis for calculating the fire water demand required in buildings with existing and non-existent sprinkler systems. The installation of automatic sprinkler systems can significantly reduce the amount of water needed during a fire, but it requires water for commissioning, inspection, testing, and maintenance (CITM). This book provides an estimate of fire water used under both fire conditions, including CITM, to allow communities to develop fire water fees for both sprinklered and un-sprinklered buildings that are proportional to the anticipated fire water usage. The types of buildings analyzed include residential (family dwellings as well as those up to four stories in height), business, assembly, institutional, mercantile, and storage facilities. Water volume was studied using guidelines from the International Code Council, the National Fire Protection Association, and the Insurance Services Office. Fire Flow Water Consumption in Sprinklered and Unsprinklered Buildings is intended for practitioners as a tool for analyzing water consumption in fire situations and for providing them with key information on the best types of water...



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