



**New England Association
Of
Fire Protection System Designers**

AMERICAN SOCIETY OF CERTIFIED ENGINEERING TECHNICIANS

MEETING NOTICE

DATE: Monday, January 13, 2020
PLACE: Double Tree Westborough Hotel
Rt. 9, Westborough, MA
TIME: 5:30 PM Social Hour
6:30 PM Dinner

COST: \$45.00 at the door

MENU: Beef \$40.00 (Prime Rib!)
Chicken \$35.00
Pasta \$30.00

USING A ROBOTIC TOTAL STATION AND BIM FOR MORE PRECISE INSTALLATIONS

The advent of Building Information Modeling (BIM) has brought a very precise coordination process to the task of designing sprinkler systems. The actual value of this process depends on many factors not the least of which is actual use of the BIM design in the final installation. Traditionally, the process of installing a sprinkler system according to design has relied on the creation of dimensioned installation drawings. The availability of highly accurate robotic total stations now allows for the direct transfer of the BIM design dimensions from the computer data to the real-world locations. This presentation will describe the technology used by these machines and the process by which these machines can be effectively used on an actual job site.

Our speaker for this meeting is Alan Johnston. Alan been the president of Hydratec, Incorporated since 1972. Hydratec started with providing sprinkler system design services and then went on to develop software for hydraulic analysis, material fabrication and AutoCAD and Revit based design of fire protection sprinkler systems. Alan holds a BS in mechanical engineering and has been involved in design, programming, training and support within Hydratec. Alan is also the holder of several US patents including one to simplify the retrofit of sprinkler systems into single family homes. Alan's passionate interest in the use of BIM related software in the design of fire sprinkler systems is an important application of his more than 50 years of experience in this industry.

Please reserve for the January dinner meeting by Friday, January 10, 2020. Make checks payable to NEAFPSD and mail to NEAFPSD, P.O. Box 149, Wrentham, MA 02093-0149.

Send all e-mail dinner reservations to: rsvp_neafpsd@yahoo.com
Please visit our website www.neafpsd.com