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Mark A. Lazo, P.E. received his B.S. degree in Fire Protection Engineering from the University of Maryland, College Park. Upon completion of his undergraduate work, he spent thirteen years working on the design, construction and certification of fire suppression and alarm systems for industrial, commercial and residential facilities for the Department of Defense (DOD). He has assessed Navy, Marine Corps and Air Force infrastructure for compliance with applicable building codes, the Life Safety Code, NFPA Standards, DOD regulations and federal government standards. Included in his assessments are single and multiple aircraft hangars, storage facilities, dormitories, single and multiple family dwelling units, educational facilities, office buildings, fire pump systems and water distribution systems. Mr. Lazo is a certified infrared thermographer and is currently employed at Applied Building Sciences, Inc. (ABS) where he is the lead engineer in charge of non-destructive testing. As part of the non-destructive testing, Mr. Lazo has performed ASTM E-1105 water penetration resistance testing of over 70 windows and doors for both residential and commercial structures over the past two years.