

CASE STUDY

Project: Resort—Nassau, Bahamas Confidential Client

LBFG Staff:

- **J. David Odom** - Principal Investigator

The Problem:

The hotel had a documented leak history of CPVC pipe failures and the rate of pipe leaks had been approximately one leak per month. Oftentimes multiple units were affected by water when the leaks occurred. The documented leaks occurred mostly in the hot water piping but they also occurred in the cold water lines. Most, if not all, leaks had occurred at floor penetrations and at locations where black grommets had been used as a fireproofing method during the original construction.

The Solution:

Based on field and laboratory analysis, Liberty Building Forensics Group® (Liberty) concluded that there was a high rate of possibility that many more pipe failures would occur over a 5 year time period. Liberty recommended how to test and identify problem piping so that remediation could become more proactive and less damage to the building would occur. This was done to keep the hotel operational while piping replacement occurred.

The Challenge:	CPVC Pipe Failures in A High Rise Hotel Building
The Solution:	Formed a team to investigate and determine conditions surrounding pipe break events.
The Results:	Keyed in on conditions and provided recommendations for a more proactive approach to remediation.



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