

UAA Professional Development Seminar Series

Roof Ice Dams and Snow Loads on Structures **Replay**

Presented by

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Drs. Hamel & Quimby will host a replay of this past seminar originally given in March 2023 and provide updates and new information given the current near record setting 2023-2024 snow season

ABSTRACT Roof ice damming is caused by a complex interplay of internal and external temperatures, insulation configuration, ventilation, snow volume, and drainage. Roofs over heated spaces, both residential and commercial, can be designed and constructed as either cold roofs or hot roofs. Cold roofs are designed with a path for heat to escape allowing snow cover to remain at approximately the ambient air temperature, while hot roofs have no such mechanism which allows heat from the structure to warm, and often melt, snow on the roof.

