

Infrared Flyover of Middlebury Campus June 4, 2019

In general, whiter colors are warmer, darker colors are cooler. Note however that reflective surfaces, like new metal roofs, register as black thus not representative of the actual heat signature of roof.



McCardell
Bicentennial
Hall

Atwater
Dining Hall

Wright Memorial Theater

Buried
Steam Line

Underground
steam vault

LaForce
Hall

Alexander
Twilight
Hall

College St.

The
Chapel

Davis Family Library

South St.

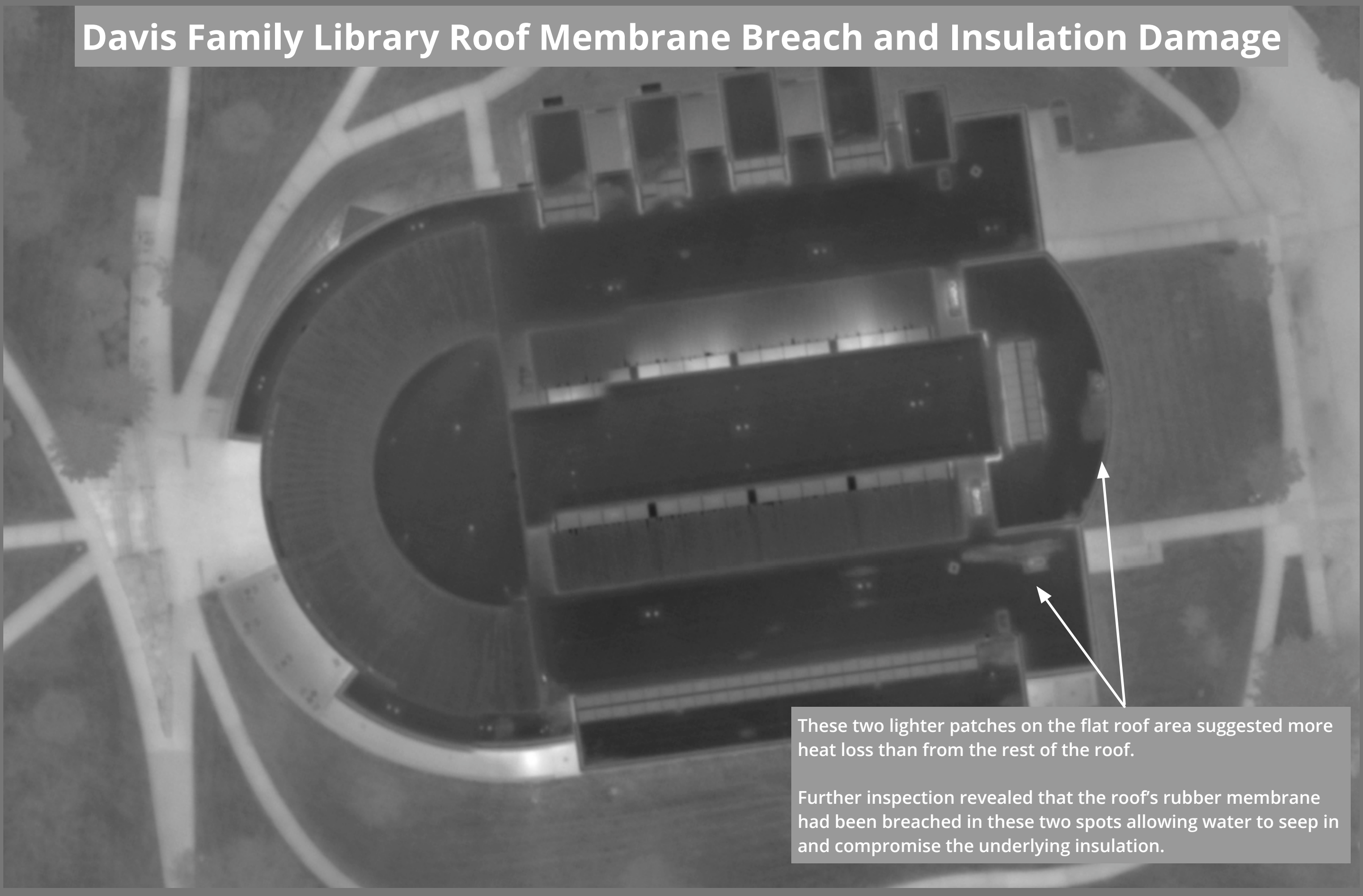
Dave W. Ginevan
Recycling
Center

Route 30

Peterson Family
Athletic Complex &
Virtue Fieldhouse

Ralph Myrhe
Golf Course

Davis Family Library Roof Membrane Breach and Insulation Damage



These two lighter patches on the flat roof area suggested more heat loss than from the rest of the roof.

Further inspection revealed that the roof's rubber membrane had been breached in these two spots allowing water to seep in and compromise the underlying insulation.

Steam Line Infrastructure Malfunction and Repair

This buried steam line was over 50 years old and showing significant heat loss due to deteriorating insulation. This line was replaced shortly after this flyover.

This underground steam vault shows a large expanse of white which upon further inspection turned out to be inadequate insulation and a leak at a pipe junction which were promptly repaired.

