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Letter, to Warren Corman, from Francis O'Brien Murray, June 30, 1982

Francis O'Brien Murray

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Fort Hays State University



Hays, Kansas 67601

Office of Physical Plant and Planning
Phone 628-4424

June 30, 1982

Mr. Warren Corman
Board of Regents
Merchants National Bank Tower
800 Jackson, Suite 1416
Topeka, KS 66612

re: Solar Collectors
Classroom and Office Building
Fort Hays State University

Dear Warren:

You may recall that I forwarded a copy of a letter from Woods & Starr and Associates to Mr. Hipp regarding the leaks that had developed in the collector panels of the solar heating system on this project. Subsequent events and discovery of deficiencies in the manufacture and/or design of the copper absorber plates prompts me to alert you to possible continued problems and litigation that may develop. I am enclosing complete copies of all relevant correspondence for your reference.

The situation at the present time is this: corrective work as outlined in the March 23, 1982 letter referred to above is nearly complete, and as indicated, final inspection and acceptance of the panels will likely be scheduled soon. It has since been discovered that the copper tubing used in the header of the absorber plate is of such thin wall thickness that continued failure of the plates due to thermal expansion is a definite possibility. Attorneys for the bonding company met with Mr. Murphy of Revere Solar and Architectural Products Inc. last week. One panel has been removed and will be tested by an independent laboratory.

A second problem that is currently unresolved is the extent to which the leaking solar fluid (50% ethylene glycol and water) has damaged the roofing felts. Test cuts have not been made as of this writing.

Under these circumstances, I will be very reluctant to recommend acceptance of the panels until these questions are answered satisfactorily regardless of what was agreed to in March.

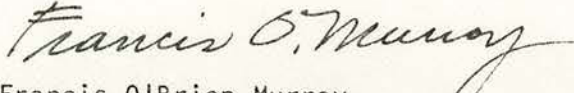
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At such time as an inspection of the work is called for by the contractor, it would be very desirable if you could attend.

Please let me know your feelings, and any advice you may wish to offer.

Thank you.

Very truly yours,

A handwritten signature in cursive script, reading "Francis O'Brien Murray". The signature is written in dark ink and is positioned above the printed name.

Francis O'Brien Murray
Director of Physical Plant Planning

FOM/rjs

cc: ✓ G.W. Tomanek
H.D. Johansen
D.L. Akers

Correspondence enclosed:

<u>DATE</u>	<u>FROM</u>	<u>TO</u>
6-16-81	Pierce-Schippers	T.B. & Associates
7-14-81	Revere	T.B. & Associates
6-25-81	Woods & Starr	T.B. & Associates
7-27-81	Woods & Starr	T.B. & Associates
10-15-81	Woods & Starr	T.B. & Associates
3-23-82	Woods & Starr	Division of Arch. Services
3-26-82	Division of Arch. Services	Woods & Starr
4-02-82	Woods & Starr	T.B. & Associates
4-16-82	Woods & Starr	T.B. & Associates
5-13-82	Woods & Starr	Division of Arch. Services