PLAINTIFF'S EXHIBIT USM 106

FED... 00148.3

H. S. Cropp

F. M. Stumpf

May 13, 1968

CIFCO BLACK-SHIELD Type D Complaint - Hallmark Builders Inc.

From reading Hallmark Builders' letter of April 26 to John O'Rourke and examining the sample, we gather the following facts:

These are shallow fluted and corrugated steel sheets which are 26 gauge. This would be very flexible and we wonder if it meets our requirements for a semi-rigid base. Since the fiber came off clean we wonder whether the CIFCO was applied under freezing conditions where there was a layer of ice, or whether this was applied to a painted surface, since CIFCO Type D usually takes a "bite" into galvanized metal and holds better; at least, under any condition adhesive should have been used. This is even more true if this was the roof of a building.

The maximum fiber density of the specimens tested was 14.3 lbs./cu.ft., which is under the average of 15. I don't know whether this lower density had anything to do with the complaint, except a slightly higher density might have had a little better wedging effect.

Additional information is required, based on the above comments, to completely answer the complaint.

FMS/ec

cc:
J. F. O'Rourke

FMS

File - Cifco Complaint