

SCHULTE & ASSOCIATES

Building Code Consultants
880D Forest Avenue
Evanston, IL 60202
fpeschulte@aol.com
847/866-7479

FIRE PROTECTION HISTORY-PART 34: THE BRITISH FIRE PREVENTION COMMITTEE/ FIRE TEST No. 69 (1905)

By Richard Schulte

As part of the fire protection research conducted by the British Fire Prevention Committee (BFPC), the BFPC conducted fire testing of structural systems. One such test was Fire Test No. 69 conducted in 1905. The following is an excerpt of report on Test No. 69:

“OFFICIAL REPORTS

OF THE

BRITISH FIRE PREVENTION COMMITTEE

[Founded 1897 – Incorporated 1899].

FIRE TEST No. 69.—June 28TH, 1905.

A FLOOR

BY

THE NATIONAL FIREPROOFING COMPANY

PITTSBURGH, U.S.A.; AND LONDON.

OBJECT OF TEST.

To record the effect of a fire of four hours' duration, the temperature to reach 1800° Fahr. (982.2 C.), but not exceed 2200° Fahr. (1204.4 C.), followed by the application of water for five minutes, with a view of classification under “Full Protection” (Class B).

Note. – The area of the floor under investigation was to be at least 200 ft. sup. (18.58 □m.). The floor was to be loaded with 280 lb. (127 kg.) per foot (.3□m.) distributed.

[Text omitted]

The testing chamber was located at the Committee's New Testing Station, and was known as "No. 2 Hut."

[Test Data Follows]"

This test report is of particular interest because of the reference to a 4 hour test and also because of the reference to the maximum temperatures to which the test specimen was to be exposed.

The data included in the report on this test includes fire temperature measurements at five minute intervals and information on the "hose stream" test applied after the fire exposure.

The entire text of the report on Fire Test No. 69 can be found in the British Fire Prevention Committee Red Books which have been digitized by Google. This report and many of the Red Books (digitized by Google) can be found on the internet.

* * * * *