HW I brick from Hammond are now at Aur.

PLAINTIFF'S EXHIBIT
MHD-116

LABORATORY COMMITTEE MEETING

June 6, 1963

Messrs: R. W. Higgins
T. S. Clousing
J. W. Hosbein
H. B. Speelman - Aurora
E. R. Marden - Aurora
R. L. Hosbein
J. A. Buettgen - Aurora

Gentlemen:

The meeting was called to order at 10:30 a. m. on June 6, 1963 in the Aurora Laboratory conference room. The next meeting will be held in the same place July 11, 1963.

ACTION TAKEN ON THE REGULAR AGENDA:

1. E13-B TEMPERATURE GRADIENT COMPARATOR

cc of drawings available get from Higgins.

In response to Mr. Higgins' request for product samples and test data, Mr. Geo. Cobaugh, of Harbison-Walker, referred this to their Garber Research and Development Laboratory. Mr. Cobaugh seemed to think that some of their laboratory personnel may want to work with us on this project.



2. E32-A DEVELOPMENT OF "MS" WALLS AND ARCHES. brick & cstgs ordered - steel will be ordered this week - -

A plastic "MS" nose model is scheduled for early ~~July~~ August erection.
keep Joe advised of erection date

3. E36-B ABRESIST CEMENT lab wk. done - project delisted after next mtg

Mr. Marden has continued his research on cement suitable for use with Abresist linings. He can control the time of set from one (1) to nine (9) hours. The consensus of opinion was that a set of approximately 2½ hours would be satisfactory in most cases. this is the Dri Sa. formula
diamond saw obtained - Joe will rejuve Clipper saw

Some of our salesmen have indicated that many prospective Abresist customers would like to try sample patches. In order to have trial patch material available for immediate shipment Mr. Roger Hosbein proposes to stock Abresist in lots of approximately 5 1/3 sq. ft. Material can then be shipped with necessary cement.

4. E38-A DRYING OUT DATA

Data and drawings are now being evaluated and final report is under way. Joe will finish report

5. P3-B SUPER 711 RESEARCH sample to be prepared for Navy Test.

Several samples of Super 711 were shown by Mr. Speelman.

One of the samples, made with J-M asbestos, had a shrinkage range from 29½ to 36½% with a PH of 5.5.

SUPER 711 RESEARCH/continued

The other sample, made with Carey asbestos, had a range of 18½ to 22½% with a PH of 8.0. Allowable ASTM and Military Specifications is 20%. Work will continue on this project.

(6) D2-~~X~~ C PYROSCAT

no change

Mr. Marden has been working on various formulae for the purpose of eliminating cracking and crazing. Presently, the original formula is still best. Work will continue.

(7) E39-A REFRACTORY HANGER WALL TEMPERATURE STUDY Report finished and distrib

This test has now been completed. An evaluation, tabulation and final report will be issued.

(8) D1-B DECRETE - CALCRETE see red pen data on back of p 1 of 5/9 minutes cycling bears out Calc superiority

Mr. Marden completed physical tests on all Decrete and Calcretes with the exception of cycling. All samples were made on the same day, under the same conditions and all were cured seven days. A retest will be made on Decrete 40 and 50.

(9) E41-A REFRACTORY CASTABLE FACED BLOCK INSULATION FOR DETRICK PANEL CONSTRUCTION

10 DAYS MORE

Mr. Marden presented samples of Decrete with a glazed finish. The finish was fused to the Decrete at 1500 F. Mr. Marden will continue research.

(10) E42-A MINERAL WOOL BLOCK INSULATION FROM OLD MEXICO

Mr. Marden completed a thorough check on samples of Mexican block insulation. This material compares favorably with our Griptex block. Mr. Higgins has all information and will write a report. Report sent. matl is = to Griptex and costs .35/BF

(11.) E43-A TEST FURNACE - DETRICK-DENNIS - RICE HULLS

A temporary unit could be built at the rear of the plant washroom. We will require materials such as burners, regulators, blowers, etc. L.P. gas no problem - blower no problem

REMOVED FROM AGENDA

E40-A HEAT RESISTANT CASTING EVALUATION

This project is being removed because lack of facilities and equipment at the Laboratory for proper testing. Mr. Higgins will write to Mr. R. D. Westman, North Manchester Foundry, to this affect.

MISCELLANEOUS

Mr. John Hoebein introduced a letter from a District Office suggesting the use of a cloth material (Sil-Tem 175) for insulating an ingot carriage. Consensus was that this material was not feasible for this purpose.

Mr. Clousing will check into and write Mr. Ben Downer regarding the accoustical properties of high heat insulation.

A communication was received from Mr. Alan Foltz requesting mixing instructions and data on DRI-Seal Cement. This was especially developed for the Detroit Office for use on an incinerator. On future special products a report will be sent to all offices explaining use, instructions and technical data.

Respectfully submitted,
M. H. DETRICK COMPANY
R & D Laboratory

J. A. Buettgen

JAB:va
Copies to: Mr. L. Hoebein - Chgo.
Mr. C. F. Pollen - Chgo.
Mr. H. Rowley - Chgo.
Mr. R. D. Westmen - North Manchester

AURORA FILE

Howard has sandwiched 1" Fiberfax and 2" of 8# felt - attempting to find an intermediate product between the two. Benefits - lower cost and greater efficiency.