LABORATORY MEMO

M.H. DETRICK CO	ENGINEERING DEPT	CHICAGO ILL. CO
TO	FROM R. [illegible] Abell	CLASS
SUBJECT LABORATORY COMMITTEE MEETING		PROJECT
		DATE Nov. 7, 19

MEMBERS: R. W. Higgins
E. W. Rix
H. E. Lewis
H. B. Speelman
E. R. Marden
R. B. Abell

Gentlemen:

Meeting was called to order at 11:00 A.M., November 7, 1957, in the Aurora Laboratory Conference Room. The next meeting will be held on December 5, 1957 in the same place.

Action taken on regular Agenda.

1. E3-A Hot Strength Testing.

All masonry is now finished. The structure is closed against weather and we are proceeding with the installation of test equipment and piping. The rest of the castings and tile for this test are now here. Our target date for starting this test is December 2, 1957.

2. E4-B Cold Impact Test Program.

No action.

3. E7-B Tile Abrasion Test Program.

We finished one set of 345 tile from Mexico Refractories and have two left to test.

4. E8-B Comparitive Competitive Testing.

We have the following materials under test:

Eagle Picher 111
Eagle Picher 66
Eagle Picher Onecoat
"48" White Quick Set
Frankolite [illegible]
Insulag
Hylag
Insulwast
Standard #9 [illegible]

J. M. Blazecrete
J. M. 678
J. M. Rockwool Block
Calcium Silicate Block for H. E. L.

As fast as these are finished they will be taken off this list.

[illegible]

PLAINTIFF'S EXHIBIT
MHD- 82

5. E14-B New Model Thermolayer Wall.

No action.

6. E15-B Low Cost K Factor Equipment.

No action.

7. E14-B Model of American Arch Light Weight Insulating Firebrick Wall.

No Action - Held up awaiting OK from Engineering Department.

8. E16-A Cold Tension SF13, A. P. Green Empire 31A.

After last months meeting, Mr. Kimlinger still wants the full tile broken. This necessitates a redesign of our test equipment before we know if we can break the brick in this section. R. W. Higgins is to submit a report on this project to Mr. Kimlinger.

9. P1-A Block Insulation Research.

A. Block smoking - Samples of properly cured block, burned block, and under done block are now in the oven operators hands. Mr. Speelman gave us a resume of the plant history as affecting the quality or way our products are manufactured. We had a visit by Mr. H. Sock of Finland who told us that they purposely used an organic binder and put it in a very hot (800 degF) oven to burn it all out and set their ceramic binders.

B. ASTM Tests and Equipment.

No action.

C. Block Machine Improvements .

Temple Industries of Wabash, Indiana now has a contract for a new positive drive machine from the present mixing tanks and feeder to the saws and pickup head of the machine. This will be about eight feet shorter than our present machine.

D. Drying Costs.

Howard Speelman will look into these and initiate methods of reducing the costs.

10. P2-A Slug Free Wool and Shot Reduction.

Wool directly from the picker has been tried in the block machine but so far has only raised density of block. Needs further work. Howard Speelman stated that a variable speed drive on the granulator would improve the nodule size of the wool. He will sum up this project giving economic phases, etc.

11. D2-B Pyrocast

A discussion of gun requirements for various types of guns was held by R. W. Higgins, H. E. Lewis and E. R. Marden.

12. D4-A Utility Finish.

1. ~~NAVY~~ Requirements - E. R. Marden is to submit samples for Navy Tests as soon as he feels he has a satisfactory material.

2. Finish for highly absorbent block - in progress.

3. Priming Qualities vs One Coat. - E. R. Marden is to make this #1 priority on his list and work on it as much as possible until solved.

13. D12-B New Type Block Insulation Research.

No action.

Inactive Projects.

1. E6 - Hot Impact.
2. E9 - New Refractory Hanger.
3. P3 - Rust Innibited Insulating Cement.
4. D1 - Decretes.
5. D3 - Castables 60, 80, 100, 120# Classes.
6. D5 - Thinsuliner and Tainsuliner S.L.
7. D9 - Coating Materials - Waterproofing.
8. D13 - Bonding Cement.

Respectfully submitted,
R. B. Abell

RBA:fml
CC: L. Ellman
L. Hostein
C. F. Pallen
W. Ehrlich