

M. H. DETRICK COMPANY

FEB 18 RECD.

SUBJECT: Koppers Company
For: Weirton Steel

FROM Chicago

DATE

Feb. 15, 1957

MR. W. ELLMAN
PITTSBURGH

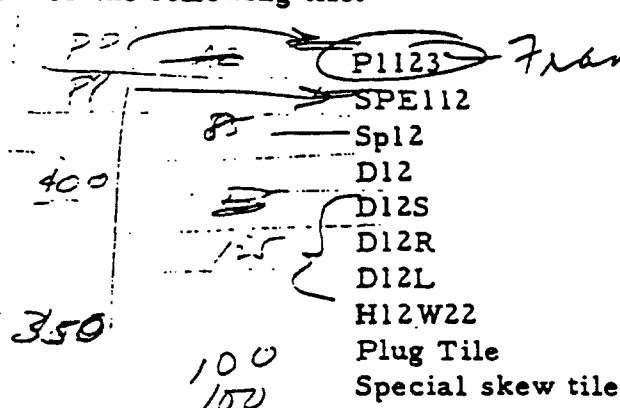
Dear Wally:



Attached is our estimate covering one furnace. Basically, the estimate is similar to the previous estimates except that in addition to figuring on alloy XC castings in the noses we think the complete nose casting should be alloy. You can understand this due to the fact that part of the nose casting is imbedded in the straight portions of the tile.

We have also added \$1,000 to our price to take care of the extra amount of engineering that these furnaces will require. The engineering, of course, can be split over the number of furnaces you are quoting.

In checking our records I can't find where Harbison Walker ever made the tile we require in 60% alumina. Some of the other manufacturers, like General and Mexico, have made the P1123. For your information, we figure ten new molds will be required. These cover the following tile.



Approximately 1000 P1123 will be required per furnace and 1550 H12W22. The other shapes range from 16 pieces to approximately 230 per furnace.

The backup insulation should probably be 4" of standard castable and 1-1/2" of Detrick block. This is the backup that was used on the Dow Chemical job that also ran at elevated temperatures. If this furnace is going to run at 2750 degrees our Decrete limitations are exceeded and also B&W's K22.

The engineering department no doubt will have a drawing for you sometime next week.

Yours very truly,

M. H. DETRICK COMPANY

RWF:CS

By

R. W. Ferguson