PLAINTIFF'S EXHIBIT
GPR-37

September 12, 1961

COPY

Wheeling Steel Corporation
Wheeling, West Virginia

Attention: Mr. C. W. Knight
Purchasing Agent

Subject: Our Proposal #61107-1
Detrick Suspended Open Hearth Construction
#4 Furnace
Steubenville Works

Gentlemen:

For the purpose of clarifying our proposal for the above furnace, we offer subject quotation. This supersedes our Proposal #61107, dated January 24, 1961 and our #61174, dated May 31, 1961.

We are requoting this furnace suspension in its entirety, but wish to emphasize that all materials and prices noted for uptake areas remain as originally quoted. We have incorporated changes in construction for fantails and regenerator roofs, however, which represent our latest thinking on the best designs for these two critical areas. Our Drawing, P-24590-1, submitted with our January 24, 1961 proposal, still applies to the uptake area.

Materials and Price Information

I. Chill Walls: 12" tile and necessary support castings will be furnished for the area shown on our drawing. 60% Alumina tile will be used at the bottom of the wall, to approximately 2'-3" above the lower nosing; the balance of the wall will utilize externally plated basic tile of your choice. Corrugated expansion plates will be detailed and furnished for the basic area involved.

Price.....f.o.b. shipping points....$6,353.00

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Weights and Estimated Freight Charges:

60% Alumina Tile.....	6.7 Tons.....	$ 30.00
Basic Tile.....	14.8 Tons.....	106.00
Castings.....	2.8 Tons.....	114.00
	Total.....	$250.00

We have shown and named additional structural steel required to support our construction. This amounts to approximately 4.2 Tons, and will be detailed, but not furnished, by us.

II. End Walls: All 12" externally plated basic tile, corrugated expansion plates and support castings for the area shown.

Price.....f.o.b. shipping points.....$2,688.00

Weights and Estimated Freight Charges:

Basic Tile.....	8.5 Tons.....	$ 60.00
Castings.....	1.2 Tons.....	48.00
	Total.....	$108.00

Additional steelwork for this wall, to be detailed but not furnished by us, approximates 1.3 Tons and consists of support angles plus new binder steel to support our relieving belt.

III. Pit Walls: 12 " basic tile with external plates, supporting-castings and expansion plates for the relieving belt shown.

Price.....f.o.b. shipping points.....$1,042.00

Weights and Estimated Freight Charges:

Basic Tile.....	3 Tons.....	$22.00
Castings.....	840 Lbs.	17.00
	Total.....	$39.00

IV. Checker Walls: 12" basic tile with external plates, supporting castings and expansion plates for the fantail nose and relieving belt shown.

Price.....f.o.b. shipping points.....$4,299.00

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Weights and Estimated Freight Charges:

Basic Tile.....	13.7 Tons.....	$ 98.00
Castings.....	1.9 Tons.....	77.00
	Total.....	$175.00

Additional steelwork required for this wall will weigh approximately 2.3 Tons and will consist of plates and structural members to properly tie our nosing to your 20" binders.

V. Fantails: Detrick Pipe Construction as shown on our drawing P-22174 and consisting of 60% Alumina and Superduty tile in 9" depth and necessary rod castings for two fantails, or an exposed area of approximately 300 sq.ft. The 60% Alumina tile will be used for approximately 2'-0" directly behind the fantail nose.

Price, f.o.b. shipping points.....$2,730.00

Weights and Estimated Freight Charges:

Refractories.....	14.9 Tons.....	$ 66.00
Castings.....	2.25 Tons.....	92.00
	Total.....	$158.00

The 2½" O. D. pipe required for immediate fantail suspension will be detailed, but not furnished, by us.

VI. Regenerator Roofs: For this exposed area of approximately 856 sq.ft., we would recommend a Detrick Multiple Support Arch, as illustrated on our attached brochure. This arch utilizes 10" and 7½" first quality tile supported by 3" I-beams on 16" transverse centers. We will furnish the required tile, fireclay, castings and 3" I-beams.

Price, f.o.b. shipping points.....$6,210.00

Weights and Estimated Freight Charges:

Refractories.....	42.8 Tons.....	$190.00
Castings.....	3 Tons.....	122.00
3" I-beams.....	1.8 Tons.....	37.00
	Total.....	$349.00

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The preceding six (6) prices are listed separately; however, in the hope that you will find it desirable, we are listing below the total price involved for all the suspended construction described herein.

Price, No. 4 Furnace, complete, f.o.b. shipping points - TWENTY THREE THOUSAND THREE HUNDRED TWENTY TWO DOLLARS ($23,322.00).

Total freight charges, approximately ONE THOUSAND SEVENTY NINE DOLLARS ($1,079.00).

As with all Detrick proposals, this includes complete engineering drawings, bill of material, necessary steel details, construction spares on all items furnished by us, and the services of a Detrick erector during installation. It does not include any unsuspended refractories, chrome or clay mortars, tie plates or insulating materials.

Terms - Net 30 Days.

This quotation is based on present day prices. We reserve the right to increase or decrease our prices, to those in effect at time of shipment.

The price given herein includes standard palletizing but does not include any extra protection for the tile in shipment. This added service will be provided if requested and will be passed on for your account at our cost.

Thank you for the opportunity of presenting this valued quotation.

Yours very truly,

M. H. DETRICK COMPANY

James D. Thomas

JDT:GH

cc/ G. B. Whitaker
H. R. Ford
D. E. Strang

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Wheeling Office

Engineering Department
Steubenville - South

Mr. C. W. Knight
Assistant Purchasing Agent

September 19, 1961

OPEN HEARTH - NO. 4 FURNACE REBUILD
DETRICK SUSPENDED REGENERATOR ROOF

(File 9-A-45)

Herewith please find one (1) print of W.S.C. Drawing 9-15603, Rev. (2) with corrected dimension marked in red crayon.

Please forward this print to the M. H. Detrick Company for their record.

This change does not affect their proposal for the suspended roofs of the regenerators, but does affect the suspended roofs over the fantails.

The fantail roofs are to be furnished by the G. P. Reintjes Co., however for the record we wish M. H. Detrick to make necessary corrections to their drawing for the fantail roofs.

H. R. Ford
CHIEF PLANT ENGINEER

HRF/mar
cc: L.W.M.
G.P.W.
D.E.S.