

Acme Coke
11236 S. Torrence Ave.
Chicago IL 60617



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Spiral Heat Exchanger Installation Report
Dated: March 1969

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SPECIFICATION
OF
CONCRETE FOUNDATION
FOR
SPIRAL HEAT EXCHANGERS
AT THE
CHICAGO COKE PLANT

SPECIFICATION NO. 4060

MARCH 5, 1969

INTERLAKE STEEL CORPORATION
10730 BURLEY AVENUE
CHICAGO, ILLINOIS

1.00 INTRODUCTION -

This specification covers the concrete foundation for the spiral heat exchanger at Interlake Steel Corporation's Coke Plant at 11236 Torrence Avenue.

2.00 SCOPE OF WORK -

The Contractor shall furnish all supervision, labor and material for the following items of work all in accordance with this specification and Drawing CA-213.

- 2.01 Excavate for the foundation (base quotation on normal excavation).
- 2.02 Install reinforcement as shown.
- 2.03 Install required forms.
- 2.04 Furnish and install anchor bolts as shown.
- 2.05 Pour concrete as specified in Specification IIC 1204 (Delete item 4.00 - Tests).
- 2.06 Remove forms.
- 2.07 Backfill and clean up area.

3.00 GENERAL AND SPECIAL CONDITIONS -

- 3.01 The Contractor shall make a thorough site inspection to determine all items of work involved.
- 3.02 Site inspection, work coordination, and installation approval shall be handled with the Plant Engineer.
- 3.03 The provisions of Interlake's Standard General Conditions No. ISC-1000 shall apply as part of this specification.
- 3.04 The provisions of Interlake's General Specification for Concrete Work shall apply as part of this specification.
- 3.05 The provisions of Interlake Steel Corporation's Contractor Safety Responsibility shall apply and will be enforced.

4.00 BID INSTRUCTIONS -

4.01 Bids must be submitted on the attached bid form.

4.02 Bids shall be for a firm lump sum.

PROPOSAL

Bidder _____

Bidders Proposal No. _____ Date _____

RE: ISC Inquiry No. _____ Date _____

The following proposal is hereby made to Interlake Steel Corporation, 135th Street and Perry Avenue, Chicago, Illinois - 60627.

1.00 The Undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools, supplies, and services necessary for the installation of CONCRETE FOUNDATION FOR SPIRAL HEAT EXCHANGER at CHICAGO COKE PLANT all in accordance with Specification No. ISC 4060 dated March 5, 1969, for the stipulated amount of \$ _____, based on straight time labor.

2.00 The Undersigned agrees to start field work within _____ calendar days after receipt of order and to proceed continuously to completion in _____ calendar days.

3.00 The Undersigned agrees to furnish adequate competent supervision on the jobsite to insure expeditious progress and proper workmanship commensurate with the Contractor's responsibilities as outlined in the Specification.

4.00 The proposed Contract Price includes all taxes and working permits. An account breakdown is as follows:

LABOR	\$ _____
MATERIAL	_____
TAX	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Total \$ _____

SPECIFICATION
FOR
INSTALLATION
OF
SPIRAL HEAT EXCHANGERS
AT THE
CHICAGO COKE PLANT

SPECIFICATION NO. 4061

MARCH 5, 1969

INTERLAKE STEEL CORPORATION
10730 BURLEY AVENUE
CHICAGO, ILLINOIS

1.00 INTRODUCTION -

This specification covers the installation of one (1) spiral heat exchanger and associated piping at Interlake Steel Corporation's Coke Plant at 11236 Torrence Avenue.

2.00 SCOPE OF WORK -

The Contractor shall furnish all supervision, labor and material (unless noted) for the following items of work, all in accordance with this specification.

- 2.01 Install the four (4) steel columns and platform assemblies on the concrete foundation. Steel work and the foundation to be furnished by ISC.
- 2.02 Erect one (1) spiral heat exchanger (8,000 lbs.). Heat exchanger furnished by ISC.
- 2.03 Grout columns.
- 2.04 Install piping and valves for the north heat exchanger as shown on Drawing CA-213.
- 2.05 Connect into the water header during a shutdown of four (4) hours.
- 2.06 Connect into the oil header during a shutdown of four (4) hours. ISC personnel will drain and purge the oil header for the contractor.
- 2.07 Steam trace all water lines with a 1/4 inch pipe and insulate with 1-1/2 inches of Calcium Silicate, or equal, insulation and a tar paper covering. Use stainless steel wire and banding material. Insulate water valves and flanges in accordance with ISC specification 1402.
- 2.08 Install four (4) test wells with 3/4" NPT and four (4) indicating industrial thermometers. Thermometers and test well will be furnished by ISC.
- 2.09 Install four (4) pressure gauges furnished by ISC. Provide four (4) 1/2 inch shut-off valves. Two valves to be Crane 488 and two valves to be Crane 490.

3.00 GENERAL AND SPECIAL CONDITIONS -

- 3.01 No open flames or burning will be permitted within 25 feet of the Light Oil Coolers. Some arc welding will be permitted within the 25 feet zone if adequate precautions are taken.
- 3.02 The Contractor shall make a thorough site inspection to determine all items of work involved.
- 3.03 Site inspection, work coordination, and installation approval shall be handled with the Plant Engineer.
- 3.04 The provisions of Interlake's Standard General Conditions No. ISC-1000 shall apply as part of this specification.
- 3.05 The provisions of Interlake's General Piping Specification IIC 1401 and General Specifications for Piping Insulation shall apply as part of this specification.
- 3.06 The provisions of Interlake Steel Corporation's Contractor Safety Responsibility shall apply and will be enforced.

4.00 BID INSTRUCTIONS -

- 4.01 Bids must be submitted on the attached bid form.
- 4.02 Bids shall be for a firm lump sum.

PROPOSAL

Bidder _____

Bidders Proposal No. _____ Date _____

RE: ISC Inquiry No. _____ Date _____

The following proposal is hereby made to Interlake Steel Corporation, 135th Street and Perry Avenue, Chicago, Illinois - 60627.

1.00 The Undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools, supplies, and services necessary for the installation of SPIRAL HEAT EXCHANGERS

at Chicago Coke Plant
all in accordance with Specification No. ISC 4061
dated March 5, 1969, for the stipulated amount of \$ _____,
\$ _____, based on straight time labor.

2.00 The Undersigned agrees to start field work within _____ calendar days after receipt of order and to proceed continuously to completion in _____ calendar days.

3.00 The Undersigned agrees to furnish adequate competent supervision on the jobsite to insure expeditious progress and proper workmanship commensurate with the Contractor's responsibilities as outlined in the Specification.

4.00 The proposed Contract Price includes all taxes and working permits. An account breakdown is as follows:

LABOR	\$ _____
MATERIAL	_____
TAX	_____

Total \$ _____