

El Paso, Texas  
July 2, 1948

Mr. E. McL. Tittmann  
Present

ZINC PLANT CONSTRUCTION

Dear Sir:

As of July 1, 1948, the status of work on the Zinc Plant was as follows:  
(Note items previously listed as complete are omitted).

2-B STEARNS-ROGER CONSTRUCTION

PRIMARY CRUSHING PLANT

Airveyor 100% complete, Panfeeders 100% complete. Damaged shaft on magnetic head pulley of belt conveyor due to poor alignment. Being repaired.

CONDENSER CIRCULATING PUMPS

All pumps complete 100%. One motor drive installed complete using rented motor. Steam turbine one pump 90% complete. Short motor one pump.

FUMING FURNACE COOLING H2O PIPING

100% Complete

PRIMARY AIR FURNACE

Complete except installing air valves and heater cover on one heater.

TERTIARY AIR

Headers 100% complete. Piping headers to furnace 15% complete. 300 Ton Coal Bins - 100% complete except alterations discharge gate.

CONVEYORS 300 TON TO 30 TON BINS

All conveyor chain received 20% in place.

FURNACE BUILDING

100% Complete.

BOILER BUILDING

100% Complete except gutters and drain spouts.

FUMING FURNACE

100% Complete.

30 TON BINS

Operating mechanism 100%. Piping 100%. Limit switches 5%. Level indicators 70%. Vibrators 10%.

PULVERIZERS

100% Complete except automatic controls and calibration tests.

JACKET CIRCULATING WATER PUMPS

Complete on steam units except steam piping which is 30% complete. Jack pumps for motor driven units.

PLAINTIFF'S EXHIBIT

ASA-1003

ASARCO ELP 0001224

AIR HEATER STEAM PIPING

70% Complete.

BOILER BLOW DOWN & MISC. STEAM & WATER PIPING

15%.

SOOT BLOWER AIR PIPING RECEIVERS TO BOILER

0% Complete.

BOILER FANS

Complete except damper operators 15% complete, expansion joint 80% complete, belt guards 0% complete.

INTERMEDIATE FAN

Complete except damper operator 80% complete, expansion joint 80% complete, belt guard 0% complete.

BAGHOUSE FAN

Complete except damper control 0%, drive motor 0%, belt guards 0%, expansion joint 0%.

ZINC BLOWER

Complete except piping. Piping 98% complete.

5000 KW GENERATOR

Complete except piping. Piping 98% complete.

ZINC WASTE HEAT BOILER

Pressure parts 100% complete. Steam drum baffles and separators 30%. Insulation water walls: Plastic insulation 80%, Vitrobestos 0%, casing 0%, lance doors 100%.

CONVECTION SECTION

Tile 75%, Vitrobestos 0%, lance doors 100%, casing 0%. Economizer: Steel casing 80%, lance doors 0%, insulation 0%. Water wall supply headers and superheater feeder insulation 5%.

BOILER FEED PUMPS

95% Complete.

HOT WELL & HOT WELL PUMPS

100% Complete.

OIL REMOVAL FILTERS & PIPING

80% Complete.

ZINC BLOWER AIR LINE POWERHOUSE TO FURNACE

100% Complete

MAIN STEAM LINE

100% Complete.

BOILER FEEDWATER LINE, 500# AIR LINE, TRAP LINE, BLOWDOWN LINE, POWERHOUSE

TO FURNACE

Complete except 500# Air Line which is 95% complete.

STEARNS-ROGER ENGINEERING

13000 C.F. Lead Blower - 95% Complete  
" " " " piping to Bl. Fce. 90% complete.  
Misc. Motor & Belt Guards 90% Complete.

STEARNS-ROGER ENGINEERING STAFF

Chief Draftsman, 2 draftsmen. One draftsman working on other El Paso Work.

CD-5121 - BAUMAN ELECTRIC CONTRACT

No. 1 SUBSTATION - Complete and in service. One item not completed is the differential protection for transformers. Awaiting shipment of correct differential relay.

NO. 2 SUBSTATION - Complet and in service.

NO. 3 SUBSTATION - Complete and in service.

NO. 4 SUBSTATION - Complete and in service. Shut down at present to install metering transformers that just arrived.

WIRING 500# AIR COMPRESSORS

85% Complete.

WIRING BOILER FEED PUMPS

100% Complete

CONDENSER CIRCULATING PUMPS

95% complete can't complete until receive motors.

DELEADING PLANT DRIVES

60% complete - held up by excavation and Millwrights.

COAL HANDLING & PRIMARY CRUSHING

100% Complete and tested.

EQUIPMENT BOILER & FURNACE AREA

40% Complete.

2300 VOLT SWITCHGEAR

100% Complete.

POWERHOUSE LIGHTING

90% Complete.

POWERHOUSE MOTORS

100% Complete.

5000 KW GENERATOR

100%.

CONVEYORS 1 TO 18 INCL., 46, 47, 48, 49, 93, 94, 73, 100, 101, 50, 51, 52, 56, 57, 58, 59, 60, 90, 91, 61, 62, 63

These conveyors 100% complete except plugging switch interlocks.

GD-5117 - STEEL CONTRACT

NO. 2 COOLER - 100% Complete

NO. 1 COOLER - 100% Complete.

FLUE FAN TO #1 COOLER

Complete except floor grating.

FLUE BOILER TO BOILER FAN

100% Complete.

NO. 3 COOLER

100% Complete except floor grating tack welding.

KILN FEEDER BLDG.

100% Complete except floor and stair grating.

KILN BURNER BLDG.

100% Complete except floor and stair grating.

FLUE #3 COOLER TO LEAD BAGHOUSE

100% Complete.

ZINC OXIDE BIN

100% Complete, welding 80% complete.

WHITE OXIDE LOADING

100% Complete, grating 100% complete.

DENSIFIED OXIDE LOADING

100% Complete

COLD SLAG HANDLING

100% erected, 15% welded, no grating on floor plate.

We are still short some floor and stair grating on this order.

MISC. MECHANICAL INSTALLATION & MILLWRIGHT WORK NOT PREVIOUSLY MENTIONED

BAGHOUSE SHAKER MECHANISM - 100% Complete incl. adjusting bags.

BAGHOUSE DAMPER CONTROL - 100% Complete except flow control valves.

CONVEYORS # 1 to 18, 46, 47, 48, 49, 95, 94, 101, 73, 100, 50, 51, 52, 53, 57, 58, 59, 60, 90, 91, 61, 62 and 63 - 100% Complete.

ROTARY COOLERS - 100% Complete except cooling H2O piping.

WEST KILNS - 100% Complete, except seals which are 90% complete and gear guard.

EAST KILN - 100% Complete except seals which are 90% complete.

ELEVATORS 81, 82, <sup>83</sup>84, and 85 - 98% Complete

CONVEYORS 20, 21, 22, 23, 24, 25, 19, 26, 27, 28 - 98% Complete.

CONVEYORS 30 AND 31 - 80% Complete.

CONVEYORS 102 AND 103 - 50% Complete.

CONVEYORS 29, 36, 32, 37, 34, 35, 38, 39, 33, 40, 41, 42, 43, 44, 45 - 10% complete.

VIBRATING SCREEN - 40% Complete.

JAW CRUSHER - 95% Complete.

Yours very truly,

LEROY FRETWIN

Resident Construction

LF/plc

J. E. MORGAN & SONS

GENERAL CONTRACTORS

HOME OFFICE



March 15, 1914

American Smelter & Refining Co.  
El Paso, Texas

Attn: Mr. English

Gentlemen:

We propose to furnish all structural steel and labor to erect the addition to the house for the sum of \$22,500.00. This price is based on your doing all demolition on present structure and all concrete work in connection with the new addition.

We further propose to install and furnish all necessary structure for the sum of \$1,000.00. This price is based on furnishing all materials and the necessary accessories for the same.

We reserve the right of rejecting the same if not satisfactory unless we are advised to the contrary.

JEM/pb