



City of Grand Island

Tuesday, September 22, 2020

Council Session

Item G-6

#2020-224 - Approving Bid Award - Boiler Inspection & Repair at Platte Generating Station - Fall 2020 Outage

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From: Timothy G. Luchsinger, Utilities Director
Stacy Nonhof, Interim City Attorney

Meeting: September 22, 2020

Subject: Boiler Inspection and Repair-Fall 2020 Outage

Presenter(s): Timothy G. Luchsinger, Utilities Director

Background

During the fall outage at Platte Generating Station, the boiler must be inspected and repaired for damages that occur during operation. The fall 2020 outage is currently scheduled for October 19, 2020 through November 19, 2020, during which time inspection and maintenance on the boiler will be performed. This package of work on the boiler includes hydro testing of the boiler with inspection for tube leaks and tube repairs, boiler tube alignment attachment repairs, replacement of level A coal nozzles, and replacement of blow down piping that has been temporarily repaired. Plant engineering staff developed the specifications issued for bids covering this scope of work.

Discussion

The specification for the Boiler Inspection and Repair-Fall 2020 Outage was advertised and issued for bid in accordance with the City Purchasing Code. Bids were publicly opened on September 3, 2020. The engineer's estimate for this project was \$300,000.00.

Bidder	Base Bid
Locke AMI Olathe, Kansas	\$199,758.00
TEI Construction Services, Inc. Castle Rock, CO	\$249,425.00

The bids were reviewed by Utility Engineering staff. The bid from Locki AMI in the amount of \$199,758.00 was found to be compliant with the specification and less than the engineer's estimate.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that Council award the Contract for Boiler Inspection and Repair - Fall 2020 Outage to Locke AMI of Olathe, Kansas, as the low responsive bidder, with the bid in the amount of \$199,758.00.

Sample Motion

Move to approve the bid in the amount of \$199,758.00 from Locke AMI, for the Boiler Inspection and Repair - Fall 2020 Outage at Platte Generating Station.



Stacy Nonhof, Purchasing Agent

*Working Together for a
Better Tomorrow, Today*

BID OPENING

BID OPENING DATE: September 3, 2020 at 2:15 p.m.

FOR: Boiler Inspection & Repair – Fall 2020 Outage

DEPARTMENT: Utilities

ESTIMATE: \$300,000.00

FUND/ACCOUNT: 520

PUBLICATION DATE: August 17, 2020

NO. POTENTIAL BIDDERS: 5

SUMMARY

Bidder:	<u>Locke AMI</u> Olathe, KS	<u>TEi Construction Services</u> Castle Rock, CO
Bid Security:	Travelers Causality & Surety Co.	Atlantic Specialty Insurance Co.
Exceptions:	None	None
Bid Price:		
Material:	\$22,411.00	\$15,177.00
Labor:	\$173,686.00	\$231,444.00
Sales Tax:	<u>\$3,661.00</u>	<u>\$2,805.00</u>
Total Bid:	\$199,758.00	\$249,425.00

cc: Tim Luchsinger, Utilities Director
 Jerry Janulewicz, City Administrator
 Stacy Nonhof, Purchasing Agent
 Karen Nagel, Utility Secretary

Pat Gericke, Admin. Asst. Utilities
 Patrick Brown, Finance Director
 Lynn Mayhew, Asst. Utilities Director

P2225



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BID SPECIFICATION PACKAGE

for

BOILER INSPECTION AND REPAIR – FALL 2020 OUTAGE

C 129417

Bid Opening Date/Time

**Thursday, September 3, 2020 @ 2:15 p.m.
City of Grand Island, City Hall
100 East 1st Street, P.O. Box 1968
Grand Island, NE 68802-1968**

Contact Information

**Lynn Mayhew, Assistant Utilities Director-Production
City of Grand Island – Utilities Department
Platte Generating Station
308/385-5496**

Date issued: Monday, August 17, 2020

**ADVERTISEMENT TO BIDDERS
FOR
BOILER INSPECTION AND REPAIR-FALL 2020 OUTAGE
FOR
CITY OF GRAND ISLAND, NEBRASKA**

Sealed bids for Boiler Inspection and Repair-Fall 2020 Outage will be received at the office of the City Clerk, 100 E. First Street, P.O. Box 1968, Grand Island, Nebraska 68802, until Thursday, September 3, 2020 at 2:15 p.m. local time, FOB the City of Grand Island, freight prepaid. Bids will be publicly opened at this time in the Grand Island City Hall City Clerk's Office located on 1st floor of City Hall. Submit an original and three copies if submitting by mail. Bid package and any Addendas are also available on-line at <http://www.grand-island.com/business/bids-and-request-for-proposals/bid-calendar> under the bid opening date and "Click here for bid document link" through QuestCDN for a fee. Submitting through QuestCDN requires one original document of the bid to be uploaded. Bids received after the specified time will be returned unopened to sender.

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Successful bidder shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

Each bidder shall submit with the bid a certified check, a cashiers' check, or bid bond payable to the City of Grand Island in an amount no less than five percent (5%) of the bid price which shall guarantee good faith on the part of the bidder and the entering into a contract within fifteen (15) days at the bid price if accepted by the City. **Your certified check, cashiers' check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information and correct number of copies in clearly marked and separate envelopes will result in your bid not being opened or considered.** Only surety companies authorized to do business in the State of Nebraska may issue bid bonds.

Bids will be evaluated by the Purchaser based on price, schedule, quality, adherence to schedule, plan and specifications, economy and efficiency of operation, experience and reputation of the bidder, ability, capacity, and skill of the bidder to perform contract required and adaptability of the particular items to the specific use intended.

The Purchaser reserves the right to reject any or all bids, to waive irregularities therein, and to accept whichever bid that may be in the best interest of the City, at its sole discretion.

No bidder may withdraw his/her bid for a period of thirty (30) days after date of bid opening.

RaNae Edwards, City Clerk

Advertised

(All bids must be submitted on this form)

BOILER INSPECTION AND REPAIR - FALL 2020 OUTAGE
BID DATA FORM

CITY OF GRAND ISLAND
GRAND ISLAND, NE

The undersigned Bidder, having examined all specifications and other bidding documents, and all addenda thereto, and being acquainted with and fully understanding all conditions relative to the specified materials and equipment, hereby proposes to provide all necessary supervision, materials, equipment, and labor to support the inspection and repair of generator components and auxiliaries equipment as needed, and replacing a 6" Chrome Moly Steel blowdown line, four coal tips on level "A", four CCOFA tips, and two aux air tips during the Fall Outage throughout the Platte Generating Station FOB the City of Grand Island, freight prepaid, at the following price:

ITEM DESCRIPTION

Material	\$ _____
Labor	\$ _____
Applicable Sales tax*	\$ _____
Base Bid	\$ _____

* If bidder fails to include sales tax in their bid price or takes exception to including sales tax in their bid price, the City will add a 7.5% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

- EXCEPTIONS: By checking this box, Bidder acknowledges there are Exceptions or Clarifications noted to the bid, and those exceptions are fully explained on a separate sheet, clearly marked, and attached to the Bid Data Form.
- By checking this box, Bidder acknowledges the specified completion date of the project is **November 14, 2020**.

Bidder Company Name Date

Company Address City State Zip

Print Name Signature

Email: _____ Telephone No. _____

According to Nebraska Sales and Use Tax Requirements, Section 1-017, Contractors, check which option you have selected to file with the Nebraska Department of Revenue:

Option 1 (Section 1-017.05) _____ Option 2 (Section 1-017.06) _____ Option 3 (Section 1-017.07) _____

If the Nebraska sales and use tax election is not filed or noted above, the contractor will be treated as a retailer under Option 1 for sales and use tax purposes.

- By checking this box, Bidder acknowledges that Addenda Number(s) _____ were received and considered in Bid preparation.

If Bidder supplies individual unit pricing information as supplemental pricing to the base material and labor cost above, said individual pricing is proprietary information and should not be released under a public records request. The total amount of the bid is not considered proprietary information and will be released pursuant to City Procurement Code.

CHECKLIST FOR BID SUBMISSION
FOR
BOILER INSPECTION AND REPAIR - FALL 2020 OUTAGE

Bids must be received by the City Clerk before 2:15 p.m. on Thursday, September 3, 2020.

The following items must be completed for your bid to be considered.

- Submittal of bid documents:
 - Option 1 – Mailing:** A signed original and three (3) copies of the bidding documents. Failure to submit the correct number of copies may result in your bid not being considered.
 - Note: Your certified check, cashiers check or bid bond should be clearly marked in a separate envelope attached to the signed original bid.
 - Option 2 – QuestCDN (online):** Purchase the bid specification through QuestCDN. Upload the signed original of the Bid Data Form, along with any supporting material required to meet the bid specification through QuestCDN. Upload your bid bond online through QuestCDN. *Bidders using Certified check or Cashiers' Check must mail said check to the office of the City Clerk no later than the scheduled bid opening date and time and clearly marked with the project name.*
- Bidders must complete and sign the Bid Data Form provided in these Documents. All blank spaces must be filled in. Bidders shall acknowledge receipt of any Addenda information on the Bid Data Form.
- A certified check, cashiers' check or bid bond in a separate envelope attached to the **outside of the envelope containing the original bid**. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information in clearly marked and separate envelopes will result in your bid not being opened.
- Selection of Nebraska Sales Tax Option.
- A reference list of at least three (3) projects of similar scope and complexity.
- A summary of the experience of the Job Superintendent proposed for this project.
- A copy of your Contractor's R stamp.
- A proposed schedule.
- A detailed breakdown of the individual bid amounts in the same format as will be used for daily time sheets and final billing.
- Site visit prior to bidding.
- Acknowledgment of Addenda Number(s) _____.
- Time is of the essence: Provide all other proposed terms and conditions which will be in effect during the performance of the work as a separate attachment with the bid. Any exceptions the bidder wishes to take regarding the Owners specifications and contract documents must be submitted with the bid.

Please check off each item as completed to ensure compliance. If you have any questions, please feel free to contact our office prior to the bid opening date/time.

INSTRUCTIONS TO BIDDERS

1. GENERAL INFORMATION.

The following instructions outline the procedure for preparing and submitting Bids. Bidders must fulfill all requirements as specified in these Documents.

2. TYPE OF BID.

Bidders shall be required to submit prices for all items listed in the Bid Data Form.

3. PREPARATION OF BIDS.

Bidders shall use only the Bid Data Form provided in these Documents. All blank spaces in the Bid Data Form must be filled in, preferably in BLACK ink, in both words and figures where required. No changes to the wording or content of the forms is permitted. Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures.

Prices stated shall be f.o.b. with freight and full insurance paid by Bidder, to the job site located in Grand Island, Nebraska.

The Bidder shall acknowledge receipt of all Addenda in the Bid Data Form. Bids received without acknowledgement or without the Addendum enclosed will be considered informal.

Individual unit pricing as listed on the Bid Data Form or supplied as supplemental information may be deemed proprietary information and not be released under a public records request. The total amount of the bid is not considered proprietary information and will be released pursuant to City Procurement Code.

4. SUBMISSION OF BIDS.

All Bids must be submitted intact with the correct number of copies no later than the time prescribed, at the place, and in the manner set forth in the ADVERTISEMENT FOR BIDS. Bids must be made on the Bid Data Form provided herein. Each Bid mailed must be submitted intact in a sealed envelope, so marked as to indicate its contents without being opened, and delivered in person or addressed and mailed in conformance with the instructions in the ADVERTISEMENT FOR BIDS.

5. BID SECURITY.

Bids must be accompanied by cash, a certified check, or cashier's check drawn on a bank which is insured by the Federal Deposit Insurance Corporation, or a bid bond issued by a Surety authorized to issue such bonds in the state where the Work is located, in the amount of 5 percent of the bid amount payable to OWNER. This bid security shall be given as a guarantee that the Bidder will not withdraw their Bid for a period of **thirty (30) days after** bid opening, and that if awarded the Contract, the successful Bidder will execute the attached Contract and furnish a properly executed Performance Bond and Payment Bond, each in the full amount of the Contract price, within the time specified.

The Attorney-in-Fact that executes this bond on behalf of the Surety must attach a notarized copy of his/her power of attorney as evidence of his/her authority to bind the Surety on the date of execution of the bond. Where State Statute requires, certification by a resident agent shall also be provided.

6. RETURN OF BID SECURITY.

Within fifteen (15) days after the award of the Contract, the OWNER will return the bid securities to all Bidders whose Bids are not to be further considered in awarding the Contract. All other retained bid securities will be held until the Contract has been finally executed, after which all bid securities, other than Bidders' bonds and guarantees which have been fortified, will be returned to the respective Bidders whose Bids they accompanied.

7. BASIS OF AWARD.

The award will be made by the OWNER on the basis of the Bid from the lowest responsive, responsible Bidder which, in the OWNER's sole and absolute judgment will best serve the interest of the OWNER. All Bids will be considered on the following basis:

Delivery time	Conformance with the terms of the Bid
Bid price	Documents
Cost of installation	
Suitability to project requirements	Responsibility and qualification of Bidder

The OWNER reserves the right to reject all Bids, or any Bid not in conformance with the intent of the Bid Documents, and to waive any informalities and irregularities in said Bids.

8. EXECUTION OF CONTRACT.

The successful Bidder shall, within fifteen (15) days after receiving notice of award, sign and deliver to the OWNER the Contract hereto attached together with the acceptable bonds as required in these Bid Documents. Within fifteen (15) days after receiving the signed Contract with acceptable bond(s) from the successful Bidder, the OWNER's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract.

9. PERFORMANCE AND PAYMENT BONDS.

The successful Bidder shall file with the OWNER Performance and Payment Bonds in the full amount (100 percent) of the Contract price, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the Work under this Contract, and to cover all guarantees against defective workmanship or materials, or both, for a period of one (1) year after the date of final acceptance of the Work by the OWNER. The Surety furnishing these bonds shall have a record of service satisfactory to the OWNER, be authorized to do business in the State where the OWNER's project is located and shall be named on the current list of approved Surety Companies, acceptable on Federal bonds as published by the Audit Staff, Bureau of Accounts, U.S. Treasury Department.

The Attorney-in-Fact (Resident Agent) who executes these bonds on behalf of the Surety must attach a notarized copy of his/her power-of-attorney as evidence of his/her authority to bind the Surety on the date of execution of the bond.

10. TIME OF COMPLETION.

The time of completion of the Work to be performed under this Contract is the essence of the Contract. The time allowed for the completion of the Work is stated in the Bid Data Form.

11. GRATUITIES AND KICKBACKS.

City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefor. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

12. FISCAL YEAR.

The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

CONTRACT AGREEMENT

THIS AGREEMENT made and entered into by and between **[SUCCESSFUL BIDDER]**, hereinafter called the Contractor, and the **CITY OF GRAND ISLAND, NEBRASKA**, hereinafter called the City.

WITNESSETH:

THAT, WHEREAS, in accordance with law, the City has caused contract documents to be prepared and an advertisement calling for bids to be published for *BOILER INSPECTION AND REPAIR-FALL 2020 OUTAGE*; and

WHEREAS, the City, in the manner prescribed by law, has publicly opened, examined, and canvassed the bids submitted, and has determined the aforesaid Contractor to be the lowest responsive and responsible bidder, and has duly awarded to said Contractor a contract therefore, for the sum or sums named in the Contractor's bid, a copy thereof being attached to and made a part of this Contract;

NOW, THEREFORE, in consideration of the compensation to be paid to the Contractor and of the mutual agreements herein contained, the parties have agreed and hereby agree, the City for itself and its successors, and the Contractor for itself, himself/herself, or themselves, and its, his/her, or their successors, as follows:

ARTICLE I. That the following documents shall comprise the Contract, and shall together be referred to as the "Agreement" or the "Contract Documents";

1. This Contract Agreement.
2. City of Grand Island's Specification for this project.
3. **[NAME OF SUCCESSFUL BIDDER]** bid signed and dated **[DATE OF BID]**.

In the event of any conflict between the terms of the Contract Documents, the provisions of the document first listed shall prevail.

ARTICLE II. That the Contractor shall (a) furnish all tools, equipment, superintendence, transportation, and other construction materials, services and facilities; (b) furnish, as agent for the City, all materials, supplies and equipment specified and required to be incorporated in and form a permanent part of the completed work; (c) provide and perform all necessary labor; and (d) in a good substantial and workmanlike manner and in accordance with the requirements, stipulations, provisions, and conditions of the Contract documents as listed in the attached General Specifications, said documents forming the Contract and being as fully a part thereof as if repeated verbatim herein, perform, execute, construct and complete all work included in and covered by the City's official award of this Contract to the said Contractor, such award being based on the acceptance by the City of the Contractor's bid;

ARTICLE III. That the City shall pay to the Contractor for the performance of the work embraced in this Contract and the Contractor will accept as full compensation therefore the sum (subject to adjustment as provided by the Contract) of **[DOLLAR AMOUNT] (\$00.00)** for all services, materials, and work covered by and included in the Contract award and designated in the foregoing Article II; payments thereof to be made in cash or its equivalent in the manner provided in the General Specifications.

The total cost of the Contract includes:

Base Bid Materials	\$.00
Labor	\$.00
Applicable Sales Tax	<u>\$.00</u>
Total	\$.00

Contractor Tax Option _____.

The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

ARTICLE IV. The Contractor hereby agrees to act as agent for the City in purchasing materials and supplies for the City for this project. The City shall be obligated to the vendor of the materials and supplies for the purchase price, but the Contractor shall handle all payments hereunder on behalf of the City. The vendor shall make demand or claim for payment of the purchase price from the City by submitting an invoice to the Contractor. Invoices can be presented hard copy or via email to billing@giud.com. Title to all materials and supplies purchased hereunder shall vest in the City directly from the vendor. Regardless of the method of payment, title shall vest immediately in the City. The Contractor shall not acquire title to any materials and supplies incorporated into the project. All invoices shall bear the Contractor's name as agent for the City. This paragraph will apply only to these materials and supplies actually incorporated into and becoming a part of the finished product of the BOILER INSPECTION AND REPAIR-FALL 2020 OUTAGE.

ARTICLE V. That the Contractor shall start work as soon as possible after the Contract is signed and the required bonds and insurance are approved, and that the Contractor shall deliver the equipment, tools, supplies, and materials F.O.B. Platte Generating Station, and complete the work on or before **November 14, 2020**.

ARTICLE VI. The Contractor agrees to comply with all applicable State fair labor standards in the execution of this Contract as required by Section 73-102, R.R.S. 1943. The Contractor further agrees to comply with the provisions of Section 48-657, R.R.S. 1943, pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. During the performance of this Contract, the Contractor and all subcontractors agree not to discriminate in hiring or any other employment practice on the basis, of race, color, religion, sex, national origin, age or disability. The Contractor agrees to comply with all applicable Local, State and Federal rules and regulations. The Contractor agrees to maintain a drug-free workplace policy and will provide a copy of the policy to the City upon request. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

ARTICLE VII. Gratuities and kickbacks: City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another

person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefor. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

[SUCCESSFUL BIDDER]

By _____ Date _____

Title _____

CITY OF GRAND ISLAND, NEBRASKA

By _____ Date _____
Mayor

Attest: _____
City Clerk

The Contract is in due form according to law and hereby approved.

DRAFT

Attorney for the City Date _____

REQUEST FOR BIDS - GENERAL SPECIFICATIONS

The Bid shall be in accordance with the following and with all attached BID DATA and DETAILED SPECIFICATIONS.

All prices are to be furnished and installed FOB, Grand Island, Nebraska. **All prices shall be firm, and shall include all sales and use taxes as lawfully assessed under laws and regulations of the State of Nebraska.** * If bidder fails to include sales tax in their bid price or takes exception to including sales tax in their bid price, the City will add a 7.5% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Mailed bids shall include the following on the **outside** of the mailing envelope: **“Boiler Inspection and Repair-Fall 2020 Outage”**. All bids submitted by mail must include **an original and three copies** of the bid. The bid specification and on-line bidding forms are also available at <http://www.grand-island.com/business/bids-and-request-for-proposals/bid-calendar> under the bid opening date and “Click here for bid document link” through QuestCDN. If submitting through QuestCDN, **one** original document of the bid is required to be uploaded. No verbal bids will be considered. All sealed bids are due no later than Thursday, **September 3, 2020 at 2:15 p.m. local time.** to:

Mailing Address: City Clerk
City Hall
P. O. Box 1968
Grand Island, NE 68802-1968

Street Address: City Clerk
City Hall
100 E. First Street
Grand Island, NE 68801

Bids will be opened at this time in the City Hall City Clerk’s Office located on 1st floor of City Hall. Any bid received after the specified date will not be considered.

Bids will be evaluated by the Purchaser based on price, schedule, quality, adherence to schedule, plan and specifications, economy and efficiency of operation, experience and reputation of the bidder, ability, capacity, and skill of the bidder to perform contract required and adaptability of the particular items to the specific use intended.

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Contractor shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

The equipment and materials must be new, the latest make or model, unless otherwise specified. Prior to approving the invoice for payment, the City reserves the right to thoroughly inspect and test the equipment to confirm compliance with specifications. Any equipment or material which does not meet the City’s requirements will be returned at vendor’s expense for correction. The invoice will be paid after approval at the next regularly scheduled City Council meeting and occurring after departmental approval of invoice; the City Council typically meets the second and fourth Tuesday of each month. Invoices must be received well in advance of Council date to allow evaluation and processing time.

Each bidder shall submit with the bid a certified check, a cashier's check, or bid bond payable to the City of Grand Island in an amount no less than five percent (5%) of the bid price which shall guarantee good faith on the part of the Bidder and the entering into a contract within fifteen (15) days at the bid price if accepted by the City. **Your certified check, cashier's check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid.** Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information and correct number of copies in clearly marked and separate envelopes will result in your bid not being opened or considered. Only surety companies authorized to do business in the State of Nebraska may issue bid bonds.

Successful bidder shall comply with the City's insurance requirements; performance and payment bonds are required for this project as outlined in the Detailed Specifications and Instructions to Bidders. All bids shall be valid for at least thirty (30) working days after the bid deadline for evaluation purposes.

All bids must be on the bid form and must be signed and dated to be accepted. If exceptions and/or clarifications are noted to the bid, those exceptions must be fully explained on a separate sheet, clearly marked, and included with the Bid. Any changes that are found made to the original bid specification, other than Owner generated Addendums, would result in your bid not being considered. Please contact Lynn Mayhew at 308-385-5494, for questions concerning this specification.

*Platte Generating Station / 1035 W. Wildwood Drive / Box 1968 / Grand Island, Nebraska 68802-1968
Phone (308) 385-5496 / FAX (308) 385-5353*

BOILER INSPECTION AND REPAIR FALL 2020 OUTAGE

DETAILED SPECIFICATION

I. **SCOPE:** This work will generally consist of providing labor, equipment, materials and supervision on a time and material basis to support the inspection and repair of generator components and auxiliaries equipment as needed during the Fall Outage, currently scheduled for October 19, 2020 through November 19, 2020. Such work may consist of:

- Hydro testing of the boiler with inspection for tube leaks
- Boiler tube repairs
- Boiler tube surface preparation for UT inspection by others
- Installation of tube shields
- Repair of boiler tube alignment attachments
- Removal of baffle plates in the economizer
- Weld repair of cracks in boiler plate steel

In addition, a firm price shall be provided for replacing a 6" Chrome Moly Steel blowdown line as shown in the attached drawings, and the replacement of four (4) coal tips on level "A", the four (4) CCOFA tips, and two (2) aux air tips.

II. **OTHER WORK IN PROGRESS:** Under separate contracts, there will be numerous other contractors on site for the provision of other repair services. Some primary contracts include:

- Precipitator cleaning with grit blast October 20th and duct cleaning through October 27th.
- Industrial cleaning in the boiler, bottom ash systems, duct work and spray dry absorber with hydro blasting equipment, grit blasting and vacuum trucks will be performed October 20th-27th.
- Turbine Valve Overhaul October 20th through November 15th.
- Chimney repairs and structural painting.
- ID Fan bearing re-babbit.

The Contractor shall cooperate with the Owner's representatives and other contractors on site in maintaining individual work areas, laydown and staging areas, break areas and parking areas so as to minimize interference with one another's work efforts. The Contractor shall attend periodic joint scheduling meetings to enhance communications and coordination amongst the various Contractors on site.

The Owner anticipates locating tooling and equipment for boiler work under this specification on the ground level below the boiler inside the plant and throughout all levels of the main boiler and adjacent platforms. A staging and laydown area will be provided at the ground level immediately outside the southeast corner of the unit. A break area will be provided inside the plant on the second floor.

III. **DESCRIPTION:** The Platte Generating Station is located at 1035 W. Wildwood Drive, two miles south of Grand Island, Nebraska. The Unit 1 steam generator is a natural circulation, superheat/reheat, pulverized coal-fired boiler manufactured by ABB-CE (CE Contract No. 13477). The steam generator produces 765,000 lb/hr (MCR) of steam at 1000 F and 1800 psi which is delivered to a 122,000 kw steam turbine. Steam generator auxiliary equipment includes a vertical rotor, Ljungstrom regenerative air heater (type 27-VI-90), a United Conveyor water impounded "W" type bottom ash storage hopper, and four CE-Raymond pulverizers (type 683 RS).

IV. **INSPECTIONS AND REPAIRS:** The Contractor shall perform the following inspections and repairs to the boiler and auxiliaries.

A. **Inspections:** The Contractor shall perform the inspections and tube UT inspection preparations as soon as

possible so that any problem areas discovered can be evaluated and repaired as required.

1. Conduct a thorough visual inspection of the accessible tube shields, hangers, alignment bars and boiler tubing along all retract sootblower paths to identify any repairs needed. Specifically identify sootblower and ash erosion damage in the 1st, 2nd, 3rd and 4th tubes in from each sootblower to such extent as feasible.
2. Clean the tube surfaces in all areas identified for UT inspection during the visual inspection.
3. Inspect the Penthouse and all dead air spaces for casing cracks.

B. Non-Pressure Component Repairs: Review all repair recommendations with the Owner's representative to determine scopes of repair based on inspection results. Contractor shall perform all repairs authorized by the Owner, including but not limited to:

1. Replace tube shields that are missing. Tube shields will be furnished by the City.
2. Repair damaged alignment bars.
3. Repair dislodged spacer bars.
4. Repair the casing cracks in the penthouse and dead air spaces.
5. All other non-pressure component repairs identified and authorized by the Owner.
6. The Contractor will receive approval from the City's representative for these repairs prior to starting, shall track all repairs and hours, and report status and hours to the City representative daily. Full document before and after repairs.
7. Replace four coal nozzle tips on level "A", four CCOFA Air tips, and two Aux air tips.
8. Replace 45' of 6" blowdown drain line to the blowdown tank as per drawing BD-1.

C. Pressure Part Repairs: Contractor shall review all recommendations for pressure part repairs with the Owner's Representative. Those repairs authorized by the Owner will be performed by the Contractor who shall track all repairs and hours, and report status and hours to the City representative daily. Fully document before and after repairs.

D. Attachments:

1. BD-1 Blowdown line. (Note The 2" line furthest from the blowdown tank is capped and will not be needed.)
2. 51-001 Boiler Side View
3. 51-721 Boiler Soot Blower Arrangement
4. Babcock Coal / Air Nozzle Drawings pgs 1-7

V. MATERIALS, EQUIPMENT, AND SERVICES PROVIDED BY THE CITY: The City shall provide the materials mentioned, including all tubing, tube shields and clips, electrical power and electrical connections, and a drinking water source. The Owner shall provide temporary, portable restroom facilities.

VI. MATERIALS, EQUIPMENT, AND SERVICES PROVIDED BY THE CONTRACTOR: The Contractor shall provide required hand tools, hoists, chain falls, cutting torches and gases, welding machines, welding leads and consumables, and all other equipment and materials necessary to completely perform the work.

VII. QUALIFICATIONS: The Contractor shall be a firm specializing in the installation, overhaul, repair, and maintenance of steam generating equipment used in the power generation industry. The Contractor shall be capable of fully performing the work without the assistance of City personnel, except as required for the City to identify specific repair locations. A reference list of projects of similar scope and complexity shall be provided

with the bid. The Contractor shall possess a valid ASME "R" stamp and valid welding procedures as typical for utility boilers and as specifically required for welds required in these specifications. All welders shall be certified as required for the work performed and the certification documents shall be available to review at the job site. Prior to award, the Contractor shall submit procedures for all welding required in this specification to the City for review.

- VIII. **FIELD SUPERVISION:** The Contractor shall provide an on-site Superintendent to direct the work. The Superintendent shall be thoroughly familiar with Combustion Engineering tangential boilers and auxiliary equipment, and have had previous experience with projects of similar scope. A summary of the experience of the Superintendent proposed for the project shall be provided.
- IX. **SAFETY:** The Contractor shall be responsible for compliance with all safety practices as required by the regulatory agencies governing the Contractor's operations as well as any and all safety requirements of the Contractor's organization and shall submit historical evidence of such compliance. All personnel working on site will be required to participate in the plant's safety orientation prior to performing any work on site at PGS and comply with plant safety requirements.

The plant has an equipment lockout/tag out procedure to prevent the unauthorized starting of motors and the unauthorized movement of valves and dampers. The Contractor is required to use the procedure and add its own locks/tags on top of the plant lock/tags if required. *Removal of plant locks/tags is not allowed and is cause for removal from the plant site.*

- X. **SCHEDULE:** It is expected that the boiler will be removed from service on October 19th and hydro tested on October 21, 2020. These dates are not guaranteed and remain subject to adjustment based on the needs of the utility.

The access to the boiler may be limited at times during the first week of the outage due to other work. The Contractor shall coordinate all work in advance with the Owner. The Contractor shall complete all work by November 14, 2020, to allow the owner to fire the unit in preparation for return to service.

There is no separate contractor entrance at the Platte Generating Station. There is one gate with a card access security system and the Contractor may request to use access cards to gain entry rather than request entry and exit each trip. There is a \$25.00 charge for each access card that is not returned.

- XI. **SERVICE RATES:** The Contractor shall provide lump sum T&M not-to-exceed pricing for the scope of work as specified on the Bid Data Form. A separate sheet shall show the following breakdown of separate lump sum pricing for each of:

- 1 - Firm price for all Mobilization, Demobilization, Tools, Equipment, supplies, PPE, expendables, supervision and project management, overhead, fixed costs and expenses.
- 2 - A Lump sum T&M cost of labor for one crew working 10 hours per day October 20-November 14, 2020. For bidding purposes, the crew shall consist of 1 Superintendent, 1 BM General Foreman and 3 BM Journeymen. The number of days shall be five (5) days a week for four (4) weeks or 20 days at 10 hours per day.
- 3 - Provide T&M rate sheets that are the basis of the costs above and which will further be used for all billing, including all modifications to the labor crew required during the performance of the work.
- 4 - Firm price for Materials and labor to replace the 45' of 6" blowdown line as shown on drawing BD-1.
- 5 - Lump sum for replacement of coal nozzles, aux air nozzles, and COFA nozzles.

The Platte Generating Station is NOT tax exempt and is subject to 7.5% sales tax. See the Nebraska Department of Revenue web site at www.revenue.state.ne.us for contractor's tax information.

XII. SUBMITTALS REQUIRED:

A. Contractor shall submit the following documentation for review with the bid:

1. References for at least three (3) projects of a similar scope and for a similar size unit, including a description, name, and phone contact.
2. Subcontractor's names and reference lists.
3. Copy of Contractor's R stamp.
4. Superintendent's experience summary.
5. Pricing
6. Firm T&M Unit prices for additions or reductions to the bid labor hours included in the lump sum price, and for any other work added to the project for miscellaneous repairs.
7. Provide all other standard terms and conditions which will be in effect during the project.
8. Any exceptions the bidder wishes to take regarding the Owners specifications and contract documents must be submitted **with the bid**, and noted on the Bid Data Form.

Time is of the essence in the evaluation of proposals, the execution of contract documents and/or issuance of a Purchase Order for the execution of the work. Submittal of proposals that include terms and conditions unacceptable to the Owner, or that lack the information and clarity required by these specifications may be subject to rejection at the sole discretion of the Owner.

XIII. SITE CONTACT: All bidders shall have visited the site prior to bidding to familiarize themselves with site conditions affecting the work. To arrange a site visit or for any questions regarding this specification, contact Lynn Mayhew at 308-385-5494 or email lmayhew@giud.com

XIV. INSURANCE: The Contractor shall comply with the attached Insurance Requirements

XV. PERFORMANCE AND PAYMENT BONDS: The successful Bidder shall file with the OWNER Performance and Payment Bonds in the full amount (100 percent) of the Contract price, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the Work under this Contract, and to cover all guarantees against defective workmanship or materials, or both, for a period of 1 year after the date of final acceptance of the Work by the OWNER. The Surety furnishing these bonds shall have a record of service satisfactory to the OWNER, be authorized to do business in the State where the OWNER's project is located and shall be named on the current list of approved Surety Companies, acceptable on Federal bonds as published by the Audit Staff, Bureau of Accounts, U.S. Treasury Department.

The Attorney-in-Fact (Resident Agent) who executes these bonds on behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond.

VII. Time and Material Accounting: Contractor shall be required to maintain accurate job logs and daily time sheets detailing all work performed and expenses incurred in the same format as the bid detail submittal for T&M work. Daily time sheets shall identify all individuals by name, craft and all hours worked on each portion of the work. Such job logs and time sheets shall accurately account for all man-hours with clear separation and identification of Time, equipment and Material as required accounting for the actual work hours and expenses.

The timesheets/logs shall clearly detail the specific work that was accomplished during the shift. These sheets will be presented to the Owner's representative on a daily basis for review with the Contractor. The Owners representative will sign these documents as a record of receipt and review only. Any corrections that need to be made to such signed documents shall be implemented upon the discovery of the error and both parties shall initial the change made on the form. These records will then serve as record of the work performed and a basis for determining the final billing.

REQUEST FOR BIDS - SITE CONDITIONS

BOILER INSPECTION AND REPAIR – FALL 2020 OUTAGE

Site Visit: Bidders shall visit the site in order to inform themselves of the conditions under which the work is to be performed, concerning the site of the work, the nature of the existing facilities, the obstacles which may be encountered, the sequence of the work, and all other relevant matters concerning the work to be performed. No extra compensation shall be allowed by reason of the failure of such bidder to fully inform themselves of said site conditions prior to the bidding. The Contractor shall employ, so far as possible, such methods and means in the carrying out of their work as will not cause any interruption or interference with the City's operations and any other contractors.

A site visit may be arranged by contacting Lynn Mayhew at (308) 385-5496.

Signature of person visiting site: _____

Signature of Utilities personnel witnessing visit: _____

Date of Visit: _____

MINIMUM INSURANCE REQUIREMENTS
CITY OF GRAND ISLAND, NEBRASKA

The successful bidder shall obtain insurance from companies authorized to do business in Nebraska of such types and in such amounts as may be necessary to protect the Bidder and the interests of the City against hazards or risks of loss as hereinafter specified. This insurance shall cover all aspects of the Bidder's operations and completed operations. Failure to maintain adequate coverage shall not relieve Bidder of any contractual responsibility or obligation. Minimum insurance coverage shall be the amounts stated herein or the amounts required by applicable law, whichever are greater.

1. WORKERS COMPENSATION AND EMPLOYER'S LIABILITY

This insurance shall protect the Bidder against all claims under applicable State workers compensation laws. This insurance shall provide coverage in every state in which work for this project might be conducted. The liability limits shall not be less than the following:

Workers Compensation	Statutory Limits
Employers Liability	\$100,000 each accident
	\$100,000 each employee
	\$500,000 policy limit

2. BUSINESS AUTOMOBILE LIABILITY

This insurance shall be written in comprehensive form and shall protect the Bidder, Bidder's employees, or subcontractors from claims due to the ownership, maintenance, or use of a motor vehicle. The liability limits shall not be less than the following:

Bodily Injury & Property Damage	\$ 500,000 Combined Single Limit
---------------------------------	----------------------------------

3. COMPREHENSIVE GENERAL LIABILITY

The comprehensive general liability coverage shall contain no exclusion relative to explosion, collapse, or underground property. The liability limits shall not be less than the following:

Bodily Injury & Property Damage	\$ 500,000 each occurrence
	\$1,000,000 aggregate

4. UMBRELLA LIABILITY INSURANCE

This insurance shall protect the Bidder against claims in excess of the limits provided under employer's liability, comprehensive automobile liability, and commercial general liability policies. The umbrella policy shall follow the form of the primary insurance, including the application of the primary limits. The liability limits shall not be less than the following:

Bodily Injury & Property Damage	\$1,000,000 each occurrence
	\$1,000,000 general aggregate

5. ADDITIONAL REQUIREMENTS

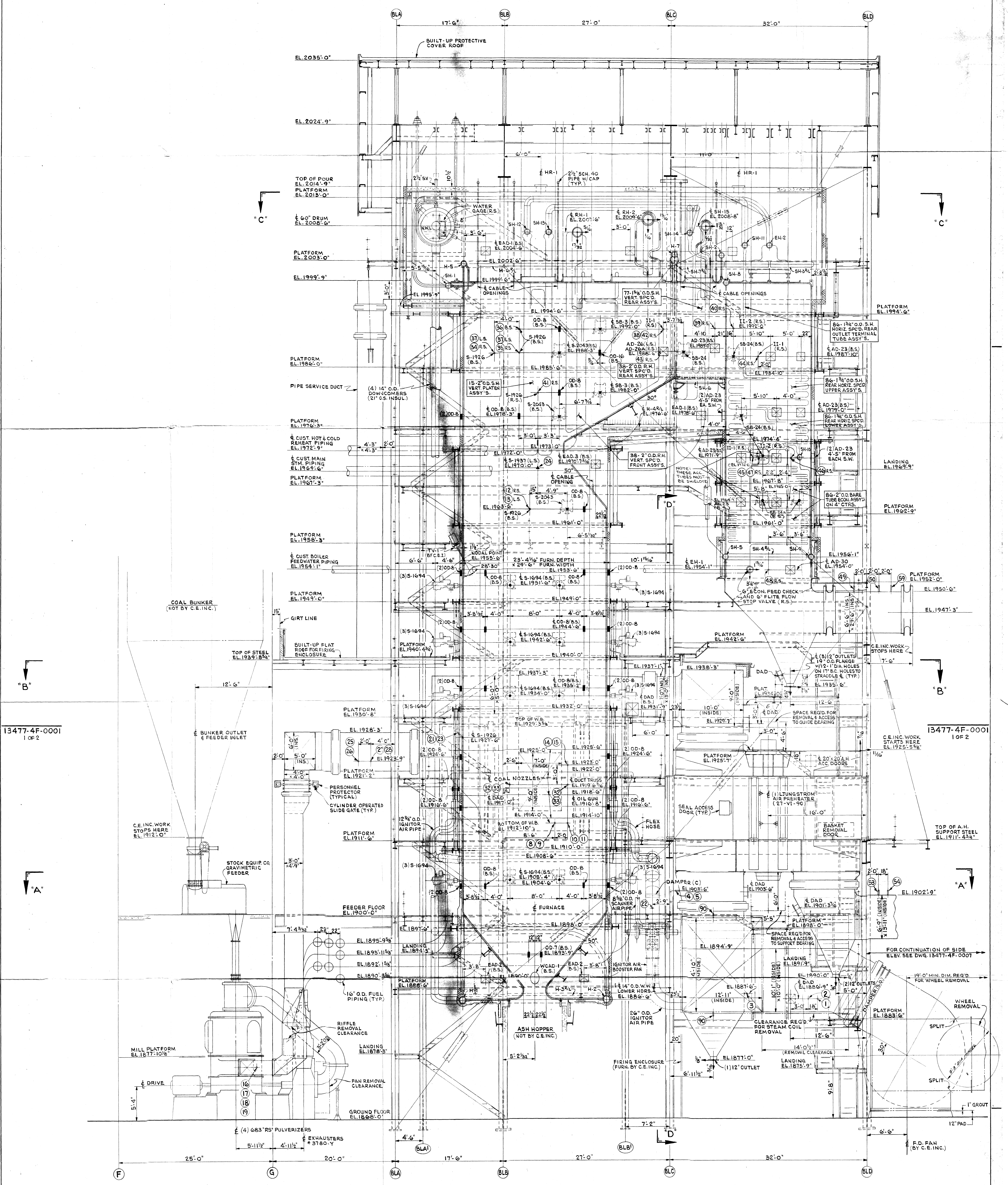
The City may require insurance covering a Bidder or subcontractor more or less than the standard requirements set forth herein depending upon the character and extent of the work to be performed by such Bidder or subcontractor.

Insurance as herein required shall be maintained in force until the City releases the Bidder of all obligations under the Contract.

The Bidder shall provide and carry any additional insurance as may be required by special provisions of these specifications.

6. CERTIFICATE OF INSURANCE

Satisfactory certificates of insurance shall be filed with the City prior to starting any work on this Contract. **The certificates shall show the City as an additional insured on all coverage except Workers Compensation. The certificate shall state that thirty (30) days written notice shall be given to the City before any policy is cancelled (strike the "endeavor to" wording often shown on certificate forms). If the Bidder cannot have the "endeavor to" language stricken, the Bidder may elect to provide a new certificate of insurance every thirty (30) days during the contract. Bidder shall immediately notify the City if there is any reduction of coverage because of revised limits or claims paid which affect the aggregate of any policy.**



13477-4F-001
1 OF 2

13477-4F-001
1 OF 2

REVISIONS	DATE	BY	DESCRIPTION
5	11-18-85	J.P.O.	RETRACT SOOT BLOWER 55 24E 11120 HAS TRACT SOOT BLOWER 58 24E 11120. NOTE TO SHIELD ACC. TUBES IN ECON. @ B LOC. @ EL. 1907.8.
4	11-17-78	J.M.O.	RETRACT SOOT BLOWER 55 24E 11120 HAS TRACT SOOT BLOWER 58 24E 11120. NOTE TO SHIELD ACC. TUBES IN ECON. @ B LOC. @ EL. 1907.8.
3	11-17-78	J.M.O.	RETRACT SOOT BLOWER 55 24E 11120 HAS TRACT SOOT BLOWER 58 24E 11120. NOTE TO SHIELD ACC. TUBES IN ECON. @ B LOC. @ EL. 1907.8.
2	11-17-78	J.M.O.	RETRACT SOOT BLOWER 55 24E 11120 HAS TRACT SOOT BLOWER 58 24E 11120. NOTE TO SHIELD ACC. TUBES IN ECON. @ B LOC. @ EL. 1907.8.
1	11-17-78	J.M.O.	RETRACT SOOT BLOWER 55 24E 11120 HAS TRACT SOOT BLOWER 58 24E 11120. NOTE TO SHIELD ACC. TUBES IN ECON. @ B LOC. @ EL. 1907.8.

MARKER	DESCRIPTION
HR-1	12" O.D. ECON. INLET HDR.
HR-2	10 1/2" O.D. ECON. OUTLET HDR.
H-1	14" O.D. FURN. LOWER FRONT HDR.
H-2	14" O.D. FURN. LOWER REAR HDR.
H-3	14" O.D. FURN. LOWER SIDE HDR.
H-4	8 1/2" O.D. FURN. EXT. SIDE INLET HDRS.
H-5	10 1/2" O.D. FURN. UPPER SIDE HDRS.
H-6	10 1/2" O.D. FURN. REAR OUTLET HDR.
SH-1	10 1/2" O.D. BACKPASS S.P. INLET HDR.
SH-2	10 1/2" O.D. BACKPASS S.P. ROOF OUTLET HDR.
SH-3	10 1/2" O.D. BACKPASS SIDE INLET HDRS.
SH-4	10 1/2" O.D. BACKPASS SIDE OUTLET HDRS.
SH-5	10 1/2" O.D. BACKPASS FRONT INLET HDR.
SH-6	10 1/2" O.D. BACKPASS EXT. SIDE INLET HDR.
SH-7	10 1/2" O.D. BACKPASS EXT. SIDE OUTLET HDR.
SH-8	10 1/2" O.D. BACKPASS FRONT JUNCTION HDR.
SH-9	10 1/2" O.D. BACKPASS REAR OUTLET HDR.
SH-10	10 1/2" O.D. S.H. VERT. S.P. INLET HDR.
SH-11	12" O.D. S.H. VERT. S.P. INLET HDR.
SH-12	10 1/2" O.D. S.H. VERT. PLATEN INLET HDR.
SH-13	12" O.D. S.H. VERT. S.P. REAR OUTLET HDR.
SH-14	12" O.D. S.H. VERT. S.P. FRONT INLET HDR.
SH-15	18" O.D. S.H. VERT. S.P. FRONT OUTLET HDR.
RH-1	18" O.D. R.H. VERT. S.P. INLET HDR.
RH-2	24" O.D. R.H. VERT. S.P. OUTLET HDR.

SETTING NUMBER	DESCRIPTION
S-1694	WALL BLOWER
S-2045	RETRACT. SOOT BLOWER
SB-3124	RETRACT. SOOT BLOWER
SB-24-A	HALF TRACT SOOT BLOWER
S-1937	TEMPERATURE PROBE
WCAD-1	16" X 23" WATER COOLED ACCESS DOOR
EO-748	4" X 10" OBSERVATION DOOR
EO-16	OD-16 ENCLOSURE ACCESS DOOR
EAD-1,2,3	18" X 16" ACCESS DOOR
AD-26A	W/ INSTR. INSERT
DAD	DUCT ACCESS DOOR
HR-1	HEAT REMOVAL DOOR (18" X 10")
TV-1	TV CAMERA
S-1926	INSTRUMENT INSERT
II-142	INSTRUMENT INSERT

UNIT	DESCRIPTION
ONE (1)	100 MW RADIANT HEAT. 8" LINED DUCT OUTDOOR UTILITY UNIT.
	FUSION WELDED FURNACE WALLS (2 1/2" O.D. TUBES ON 3" CENTERS)
	FIN WELDED FURNACE EXT. SIDE TUBES (2 1/2" O.D. TUBES ON 5" CENTERS)
	FIN WELDED BACKPASS SIDE TUBES (2 1/2" O.D. TUBES ON 4" CENTERS)
	FIN WELDED BACKPASS REAR TUBES (2 1/2" O.D. TUBES ON 4" CENTERS)
	RIBBED ALUMINUM OUTER CASING
	STRUCTURAL STEEL BY C.E. INC.
	FUEL: POLYMERIZED COAL
	SEISMIC DESIGN: U.B.C. ZONE #1
	WIND LOAD: U.B.C. 30 P.S.F. ZONE

GENERAL ARR'GT.	PLAN	ELEV.	DESCRIPTION
	"A-A"	13477-4E-0002	
	"B-B"	13477-4E-0003	
	"C-C"	13477-4E-0004	
	"D-D"	13477-4E-0005	
	"E-E"	13477-4E-0006	
	"F-F"	13477-4F-0007	
	INSTR. COGN. LEGEND	13477-4F-0016	
	PRESS. PARTS ARR'GT.	UPPER SIDE ELEV.	13477-4F-0100
	"LOWER"	13477-4E-0101	
	VALVE LIST	13477-4E-0300	
	P.P. CONN. LOC. & EXP. DIAGRAM (SH-1)	13477-4E-0303	
	"(SH-2)	13477-4E-0304	

UTZ, DAILY & BRAIN - CONT. N° 17-0-2
GENERAL ARRANGEMENT - SIDE

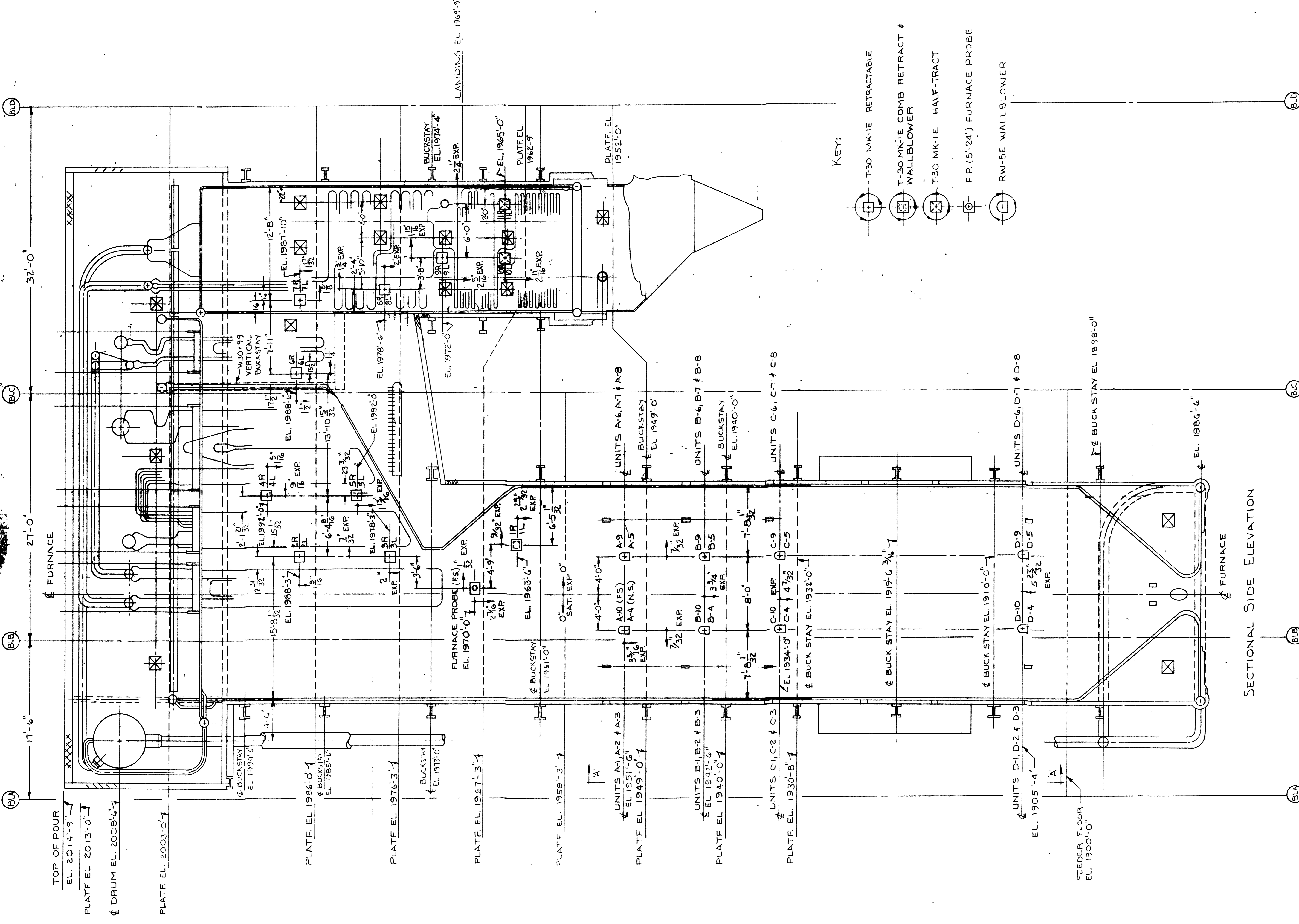
CITY OF GRAND ISLAND
PLATE GENERATING STATION, UNIT #1
GRAND ISLAND, NEBRASKA

SCALE: 1/8" = 1'-0"
DATE: 11-17-78
DESIGNED BY: J.M.O.
CHECKED BY: J.M.O.
TRACED BY: J.M.O.

THIS DRAWING IS THE PROPERTY OF
CONSTRUCTIVE ENGINEERING, INC.
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FOR THE CONSTRUCTION OF ANY
PARTS EXCEPT WHERE PROVIDED FOR
BY AGREEMENT WITH SAID COMPANY.

COMP. CODE
NO. 13477-4F-0001-06

17 197 150



- KEY:
- T-30 MK-1E RETRACTABLE
 - T-30 MK-1E COMB. RETRACT & WALLBLOWER
 - T-30 MK-1E HALF-TRACT
 - F.P. (5'-24") FURNACE PROBE
 - RW-5E WALLBLOWER

C.V.I. COMPLEMENTARY DRAWINGS

- B-183703 T-30 MK-1E COMB. RET./WB. SOOT BLOWER VIEWS
- B-183701 T-30 MK-1E SOOT BLOWER VIEWS
- B-183705 T-30 MK-1E RETRACT & COMB. RETRACT & WB. SLEEVE VIEWS
- L-183706 HEATER ARR'G'T FOR: T-30 MK-1E RETRACT & T-30 MK-1E COMB. RETRACT/WB. RW-5E SOOT BLOWER VIEWS
- B-183707 F.P. (5'-24") FURNACE PROBE VIEWS
- B-183703 SCHEMATIC PIPING DIAGRAM
- B-183884 VIEW 'A-A' SOOT BLOWER ARRANGEMENT
- M-184092 STEAM CONSUMPTION DATA
- D-185795 PHYSICAL PIPING DIAGRAM RIGHT SIDE ELEVATION
- D-185796 PHYS. PIPING DIAGRAM FRONT ELEVATION
- D-185797 PRESS. REDUCING STATION, PIPING NOTES & DETAILS, HANGER, ANCHOR & GUIDE DETAILS
- S-185799 PIPING BILL OF MATERIAL T-30 MK-1E HALF-TRACT VIEWS
- B-266773 T-30 MK-1E HALF-TRACT SLEEVE VIEWS

BOILER DATA

MFGR. & TYPE BOILER: C.E. RADIANT REHEAT
 DESIGN PRESSURE: 2225 P.S.I.G.
 OPER. PRESSURE: 1990 P.S.I.G. @ 1005° F.
 FUEL: COAL NO. OF BOILERS: ONE (1)

SOOT BLOWER INFORMATION

- CAST STEEL MODEL 'D' 2 1/2" 600" STD. HEAD
1. BLOWING PRESSURE CAN BE REGULATED BY AN EXTERNAL ADJUSTING SCREW ON ALL MODEL 'D' HEADS.
 2. PIPE, VALVES, AND FITTINGS BY COPES-VULCAN DIVISION EXCEPT AS NOTED.
 3. ITEMS MARKED "M" NOT FURNISHED BY COPES-VULCAN DIVISION.
 4. SOOT BLOWING MEDIUM: STEAM @ 205 P.S.I.G. @ 164° F. SOURCE: SH. LOW TEMPA. OUTLET HEAT.
 5. SLOPE BLOWING MEDIUM PIPING TO DRAIN.
 6. HAND OF INSTALLATION: RIGHT & LEFT-PROBE LEFT-WALL RIGHT, LEFT & REAR.
 - * 7. MIN. BLOWING PRESS. REQ'D. FOR LANCE COOLING DO NOT OPERATE BLOWER AT ANY PRESS. LESS THAN NOTED.
 8. COEFFICIENT OF EXPANSION = .05%/FT.

51-721

SOOT BLOWER START-UP PRESSURE

UNIT NO.	TYPE OF BLOWER	BLOWING PRESSURE
1R/L	COMBINATION W.B. RETRACT	215
2R/L	RETRACTABLE	165
4R/L	RETRACTABLE	135
8R/L	RETRACTABLE	110
ALL BANDS	WALLBLOWERS	150

PRESSURES LISTED ARE TO BE CONSIDERED AS START-UP PRESSURES ONLY, AND NOT TO BE INTERPRETED AS FINAL. FREQUENCY OF BLOWER OPERATION, GRADE OF FUEL BURNED, AND BOILER OPERATION WILL AFFECT THESE PRESSURES. 13477-B-22E5

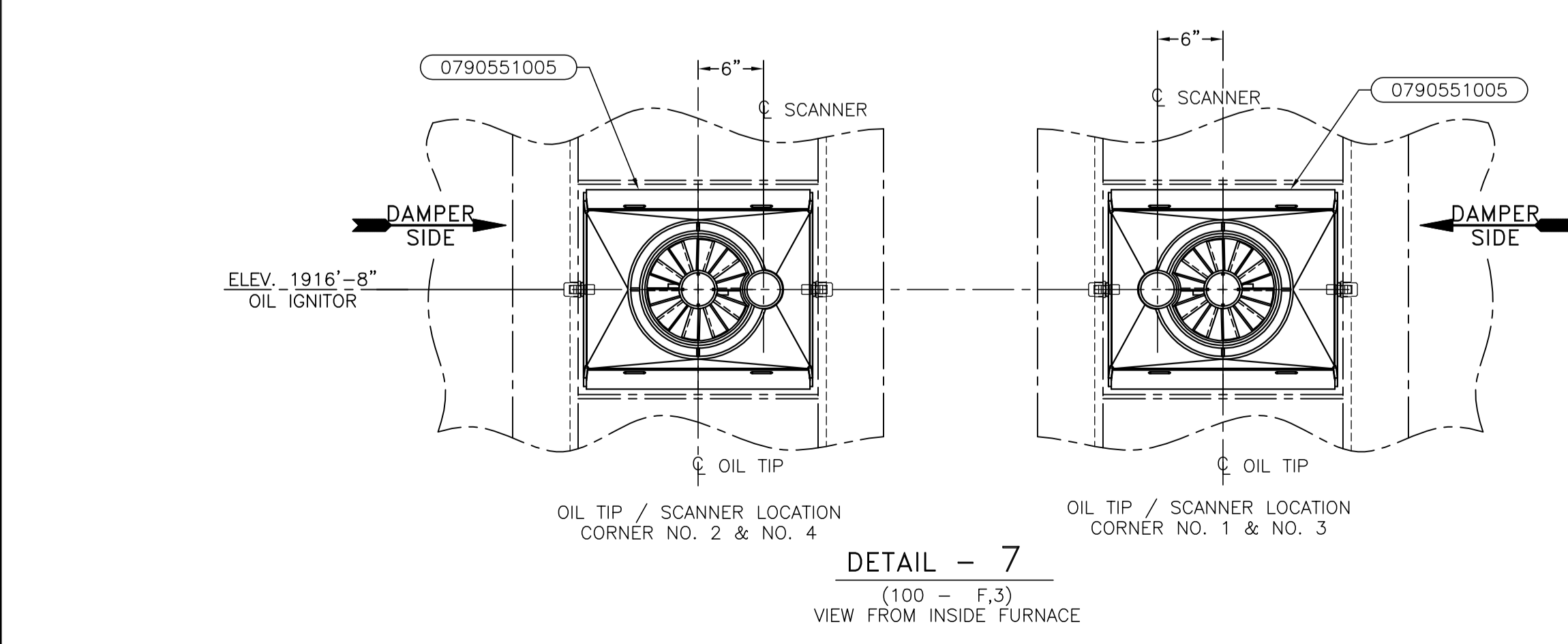
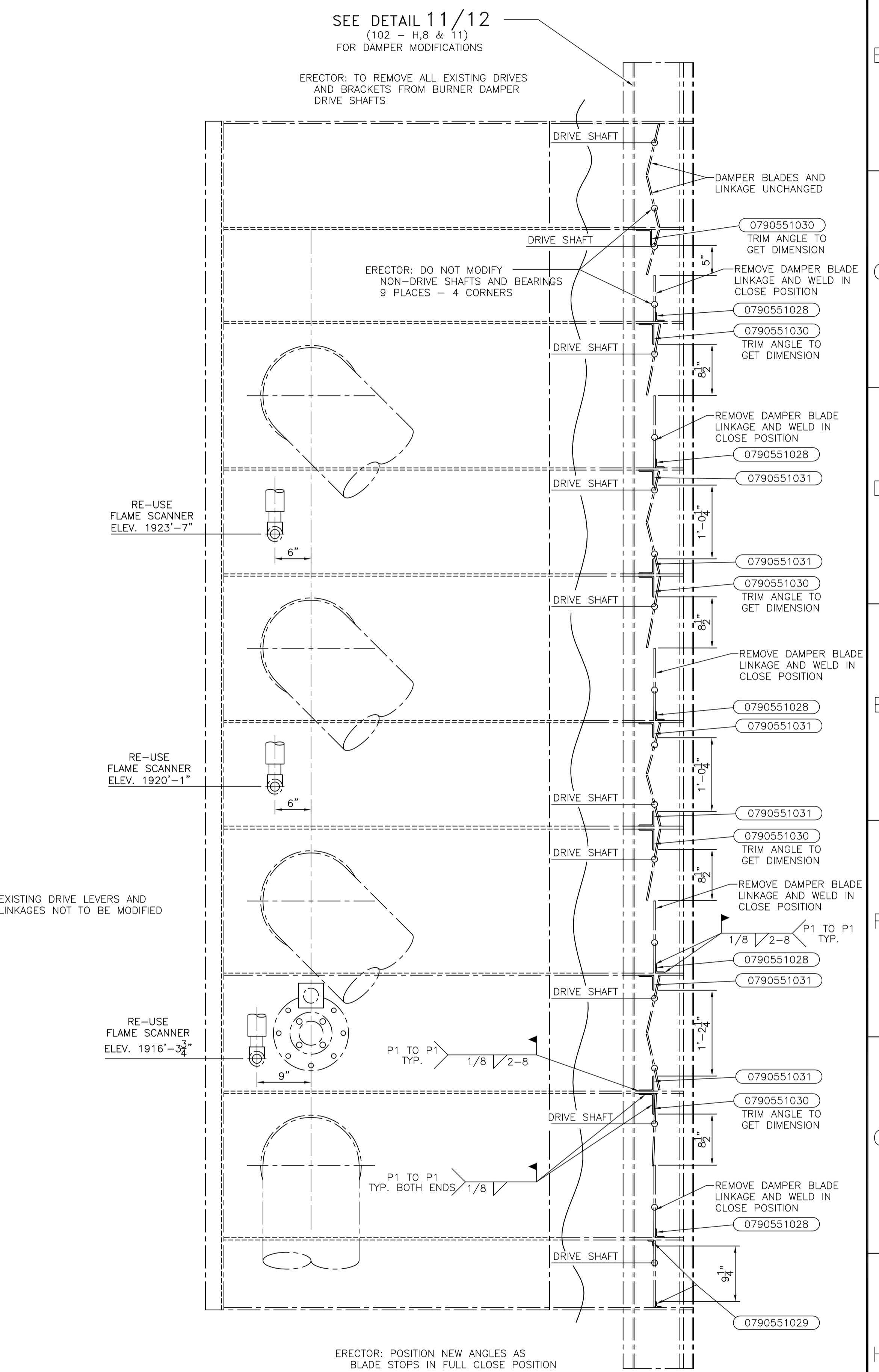
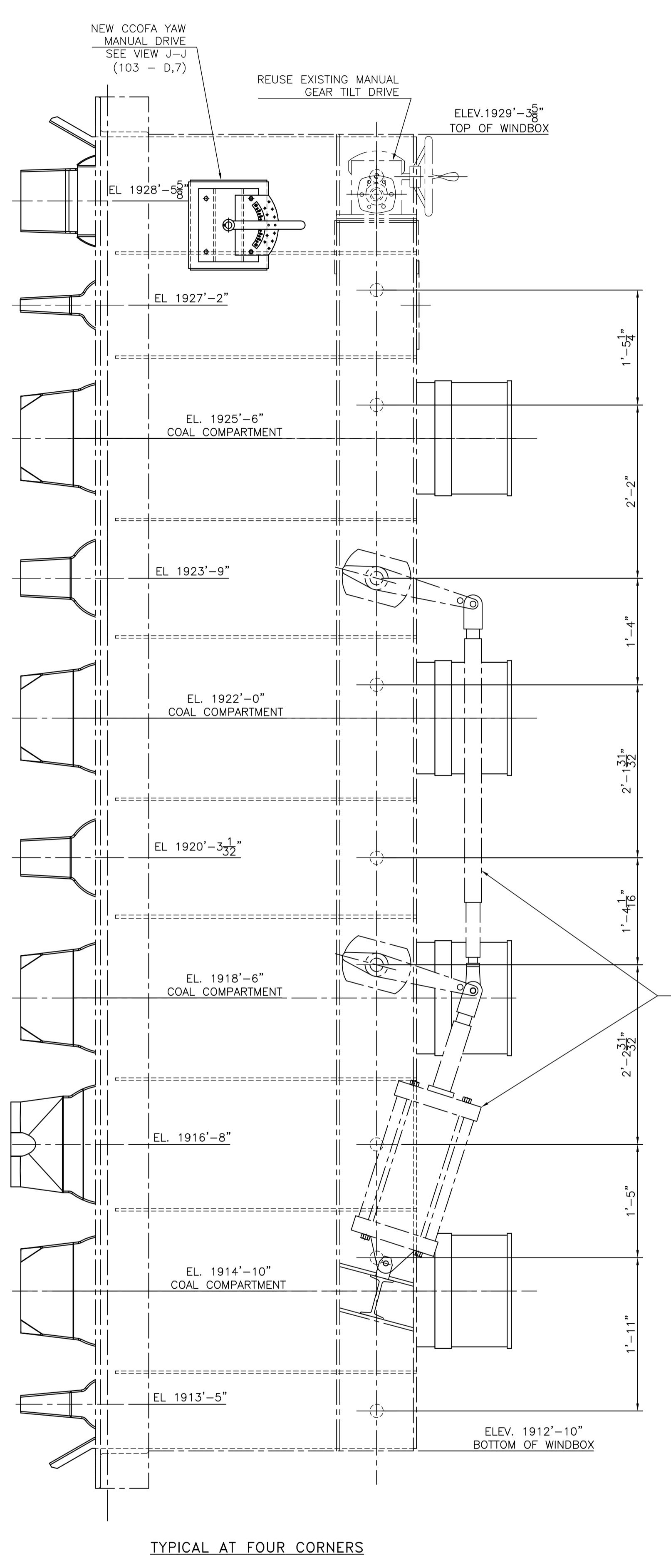
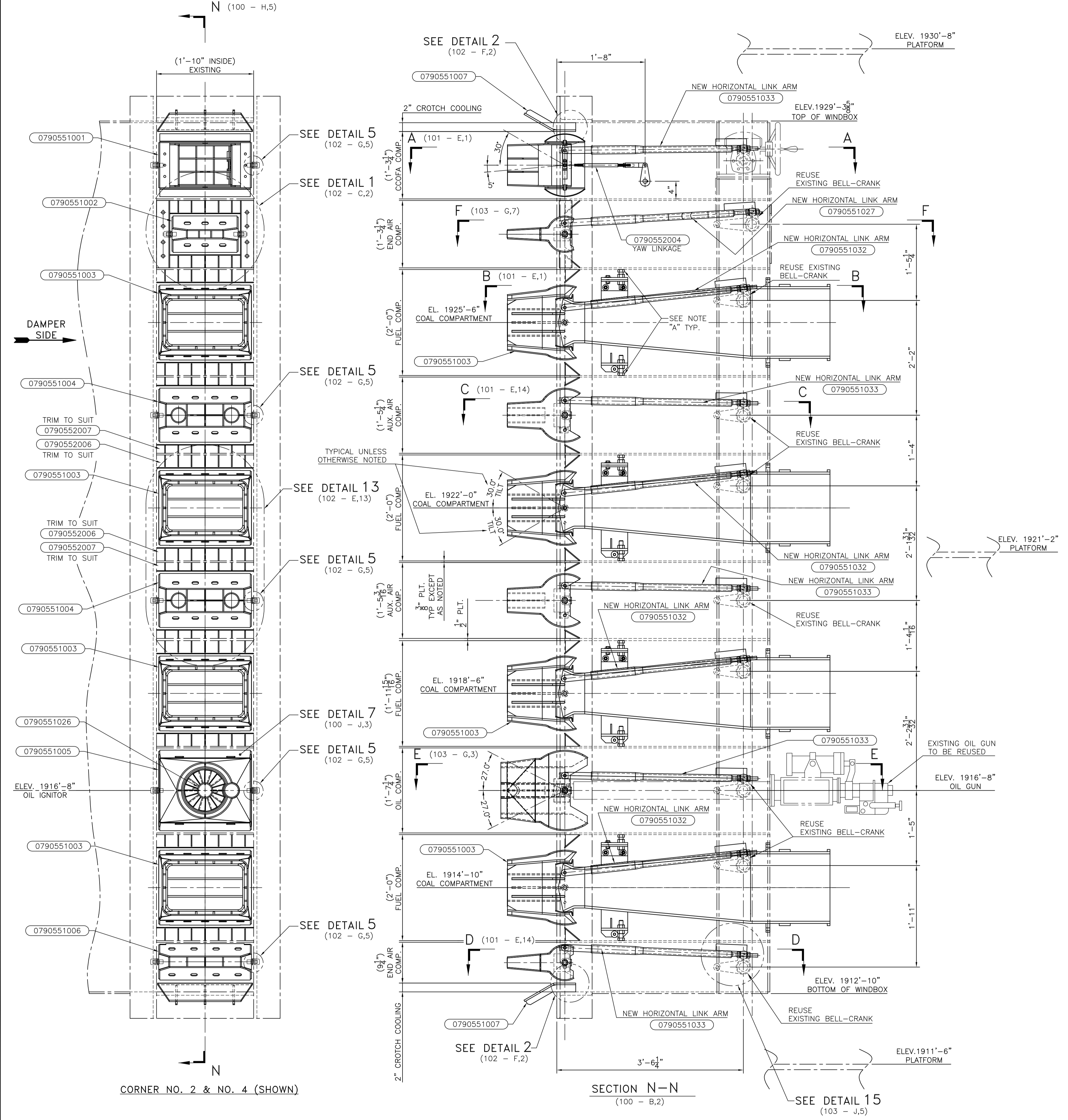
COPES-VULCAN, INC.
 One of the White Consolidated Industries
 LAKE CITY (PA. CO.), PA. U.S.A.

CITY OF GRAND ISLAND
 POWER GENERATING STATION
 UNIT NO. 1
 C.E. INC. CONT# 13477
 C.E. INC. P.O. # 1870500
 RIGHT SIDE ELEVATION
SOOT BLOWER ARRANGEMENT

AUG 25 1983

DESIGNED BY: <i>[Signature]</i> DATE: 1-13-78	JOB NO. 7830-86081
CHECKED BY: <i>[Signature]</i> DATE: 2/2/78	SCALE 1/4" = 1'-0"
APPROVED BY: <i>[Signature]</i> DATE: 2/2/78	

GRAND ISLAND 77-8



WARNING
BEFORE REMOVING BURNER TIP PIVOT PINS
BE SURE THAT TIPS ARE PROPERLY SECURED
SO THAT BURNER TIPS WILL NOT FALL INTO FURNACE.

NOTE "A"
ADJUST THE HEIGHT OF THE COAL NOZZLE TO THE CENTER OF THE COMPARTMENT USING THE NUTS AND BOLTS PROVIDED WITH THE COAL NOZZLE SUPPORT. THE COAL NOZZLE AND ADJUSTABLE COAL NOZZLE TIP MUST BE LOCATED SQUARELY WITH THE WINDBOX COMPARTMENT.

THE INSTALLATION CONTRACTOR IS REQUIRED TO INVESTIGATE THE SITE AND TAKE STEPS REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF THE WORK AND TO VERIFY THE FIELD ALL GRADES, DIMENSIONS, ELEVATIONS, MEASUREMENTS AND LOCATIONS AND OTHER CONDITIONS AFFECTING THE WORK BEFORE PROCEEDING. FAILURE OF THE INSTALLATION CONTRACTOR TO INVESTIGATE THE SITE AND VERIFY THE CONDITIONS AFFECTING THE WORK SHALL NOT RELIEVE THE INSTALLATION CONTRACTOR OF ITS RESPONSIBILITY TO COMPLETE THE WORK WITHOUT ADDITIONAL COMPENSATION.

MANUFACTURING AND/OR FABRICATION TOLERANCES WILL RESULT IN GAPS OR VOIDS OF VARIOUS DIMENSIONS ALONG THE LENGTH OF MATING FIELD SURFACES. WHERE THESE GAPS OR VOIDS CANNOT BE CLAMPED FOR SINGLE OR MULTIPLE WELD PASSES AS INDICATED, THE ERECTING CONTRACTOR WILL INSTALL FILLER PLATES AS REQUIRED TO PERFORM THE SEAL OR STRUCTURAL WELD IN ACCORDANCE WITH THE REQUIREMENTS OF AWS 2.11.1 & 2.11.2. RPI ENGINEERING (STRESS ANALYSIS) WILL BE ADVISED WHEN SUCH FILLER PLATE INSTALLATION IS NECESSARY TO MEET THE AWS REQUIREMENTS.

REVISION	NO.	BY	CHK	DATE	APP'D	DATE
DRAWING COMPLETED & CHECKED	02	MG	RL	06-27-12	MC	07-09-12
DRAWING UPDATED	01	PC	MG	04-24-12	MC	04-24-12

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All intellectual property and other rights are retained by Babcock Power Services Inc., unless expressly conveyed in a written contract.

THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS IT CONTAINS DATE AND SIGNATURE OF APPROVAL AND THE COMPANY RESERVES THE RIGHT TO CORRECT ANY ERRORS OR OMISSIONS PRIOR TO ACTUAL START OF WORK.

DENNIS BROOKS
RELEASED & APPROVED
DATE 07/09/2012

WORK THIS DRAWING WITH DRAWINGS 100595-079055101, 102 AND 103
THIRD ANGLE PROJECTION
DO NOT SCALE USE DIMENSIONS ONLY
DRAWN: P. CAVALCANTI DATE: 03-12-12 CHECKED: R. LEGAUT DATE: 6-27-12 APP'D: M. COYLE DATE: 6-28-12 SCALE: 1 IN. = 1 FT.

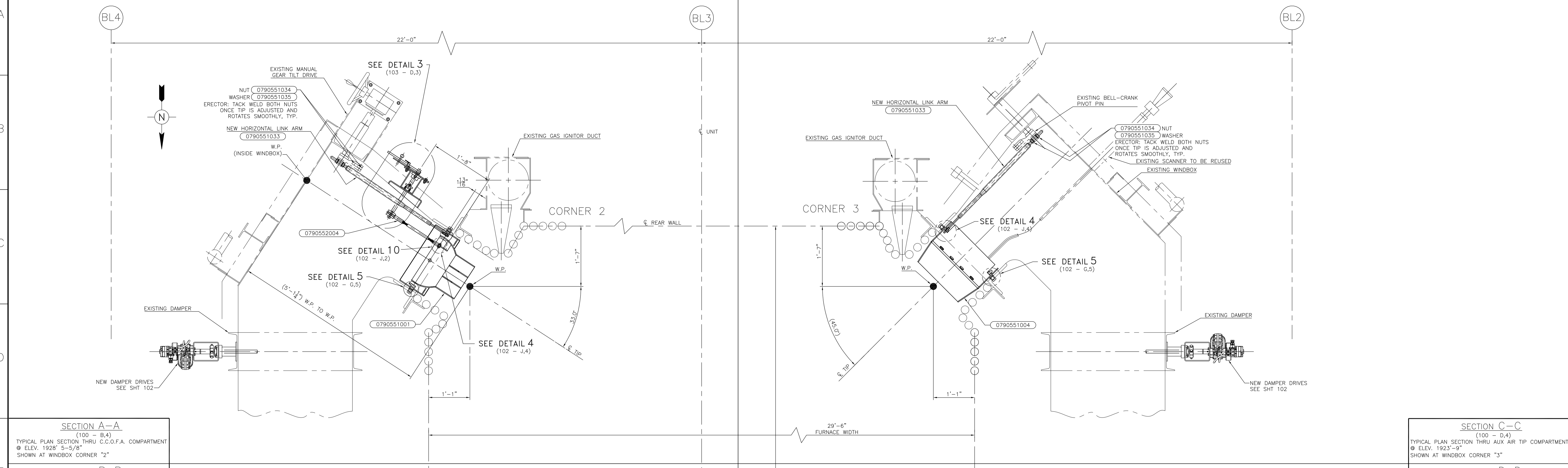
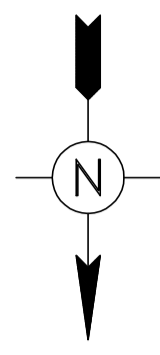
ORIGINAL CONTRACT 13477 CE

BABCOCK POWER SERVICES INC.

BURNER ARRANGEMENT - ELEVATION
BURNER COMPONENT REPLACEMENT

CITY OF GRAND ISLAND UTILITIES
PLATTE GENERATING STATION UNIT #1
GRAND ISLAND, NE

DWG. NO. 100595-079055100-02

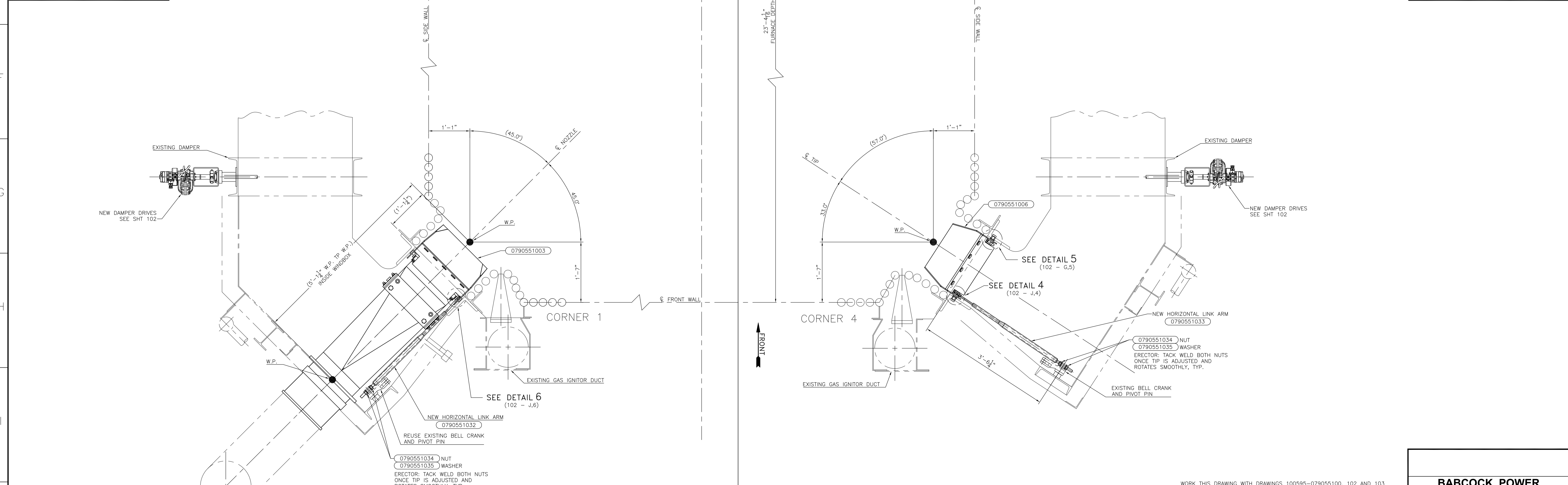


SECTION A-A
(100 - B,4)
TYPICAL PLAN SECTION THRU C.C.O.F.A. COMPARTMENT
@ ELEV. 1928' 5-5/8"
SHOWN AT WINDBOX CORNER "2"

SECTION B-B
(100 - C,4)
TYPICAL PLAN SECTION THRU COAL COMPARTMENT
@ ELEV. 1925'-6"
SHOWN AT WINDBOX CORNER "1"

SECTION C-C
(100 - D,4)
TYPICAL PLAN SECTION THRU AUX AIR TIP COMPARTMENT
@ ELEV. 1923'-9"
SHOWN AT WINDBOX CORNER "3"

SECTION D-D
(100 - E,4)
TYPICAL PLAN SECTION THRU END AIR TIP COMPARTMENT
@ ELEV. 1912' 7"
SHOWN AT WINDBOX CORNER "4"



WORK THIS DRAWING WITH DRAWINGS 100595-079055100, 102 AND 103

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DRAWING COMPLETED & CHECKED	02	MG	RL	06-27-12	MC	07-09-12	THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS IT CONTAINS DATE AND SIGNATURE OF APPROVAL AND THE COMPANY RESERVES THE RIGHT TO CORRECT ANY ERRORS OR OMISSIONS PRIOR TO ACTUAL START OF WORK. DENNIS BROOKS RELEASED & APPROVED	
DRAWING UPDATED	01	PC	MG	04-24-12	MC	04-24-12		
REVISION	NO.	BY	CHK	DATE	APP'D	DATE		

BABCOCK POWER SERVICES INC.

BURNER ARRANGEMENT - CORNER DETAILS

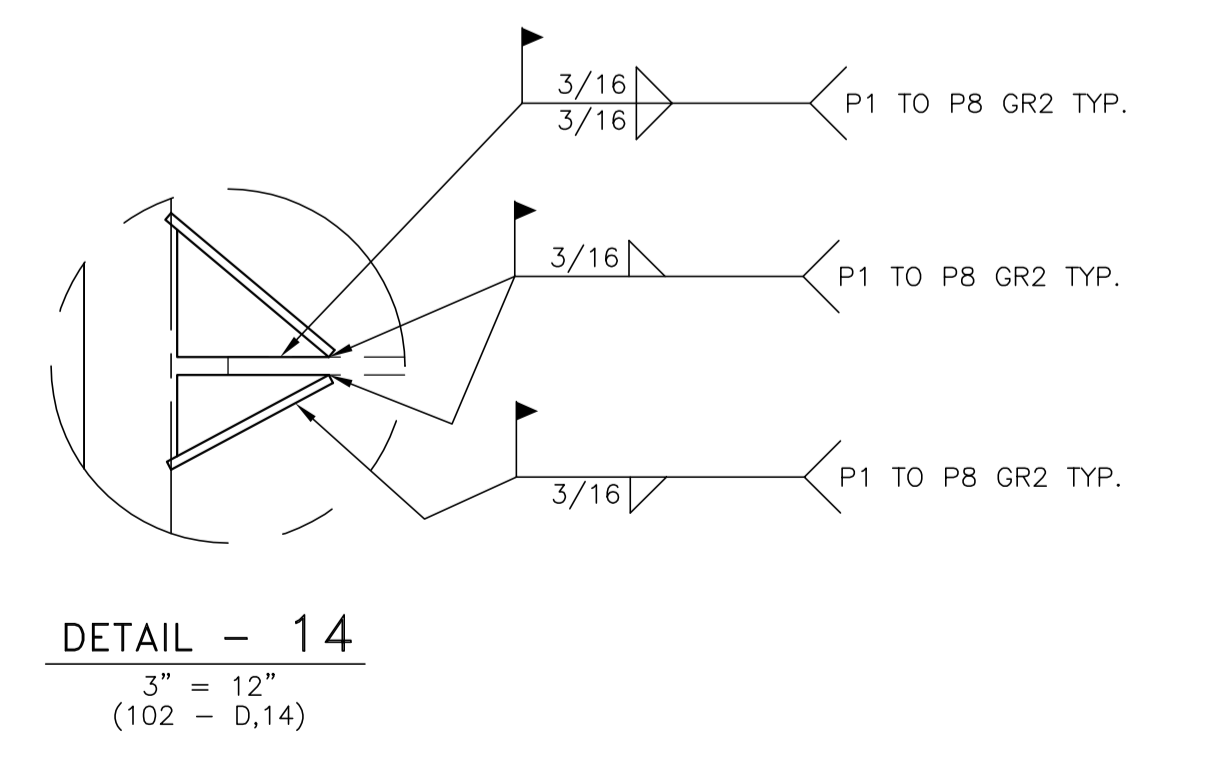
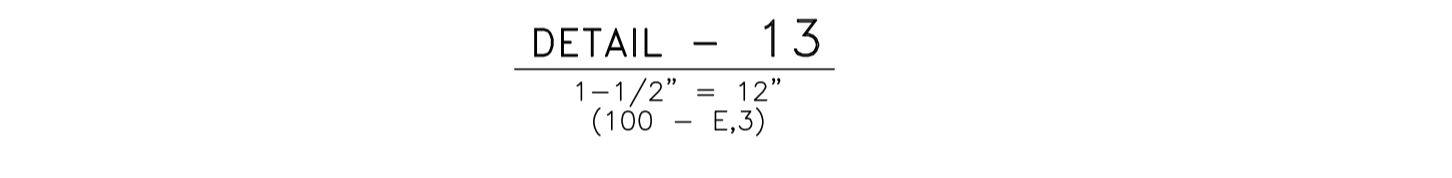
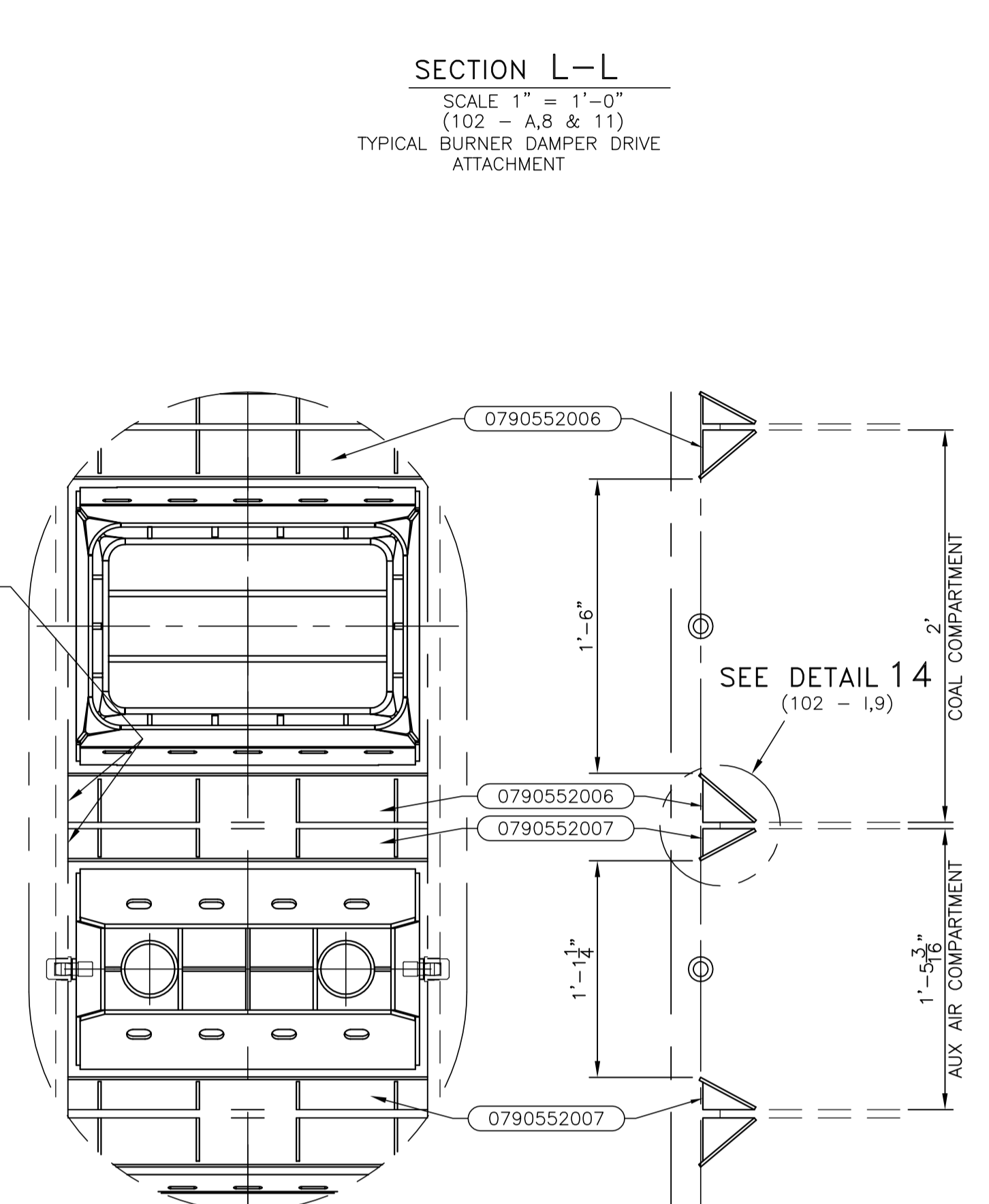
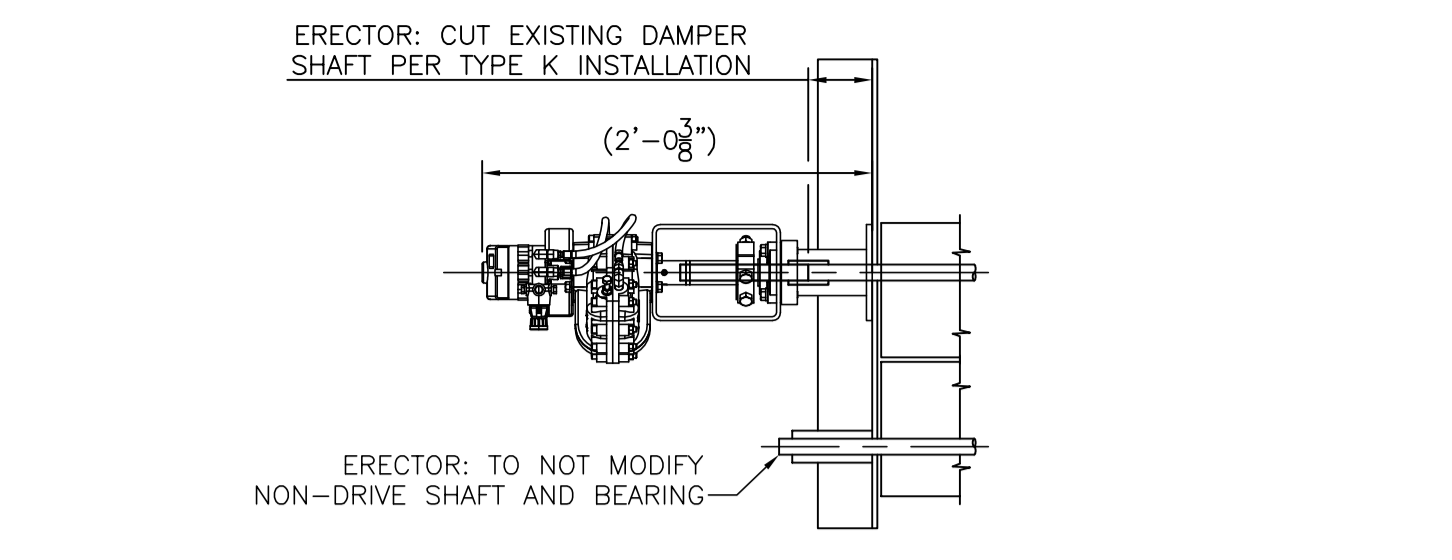
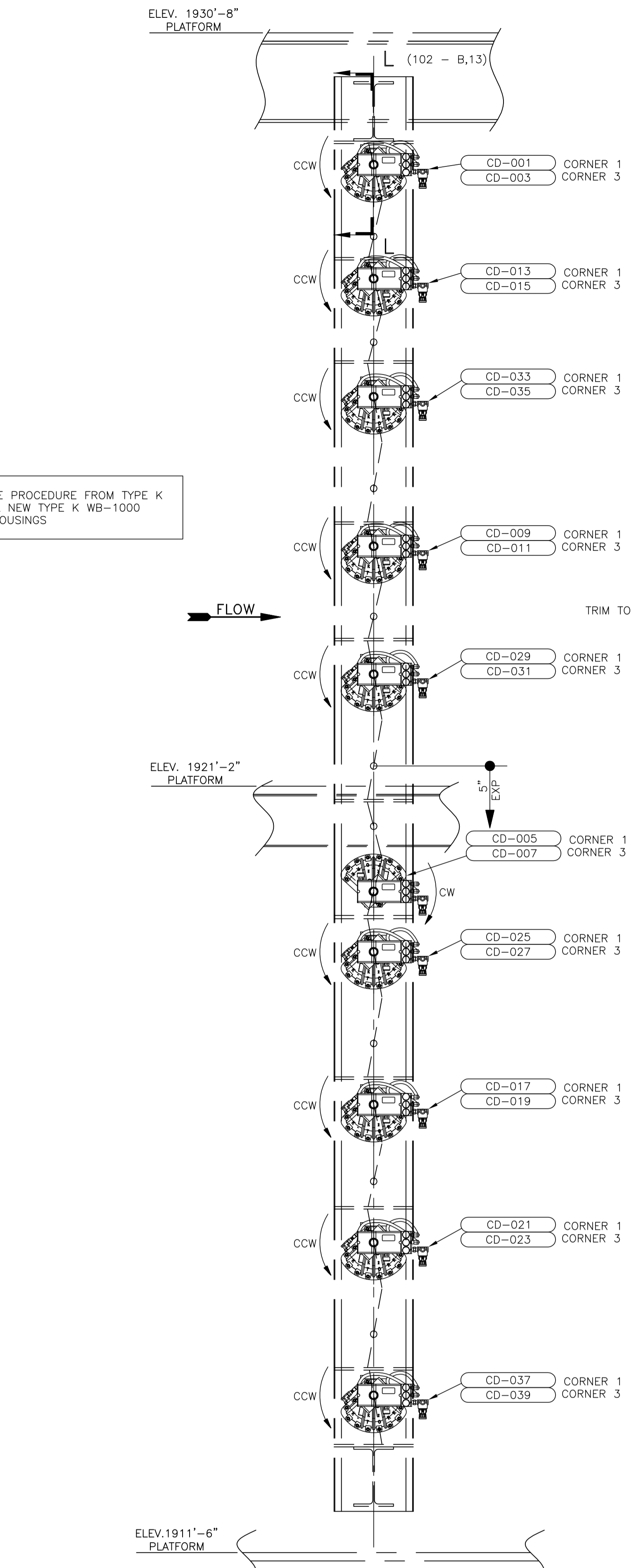
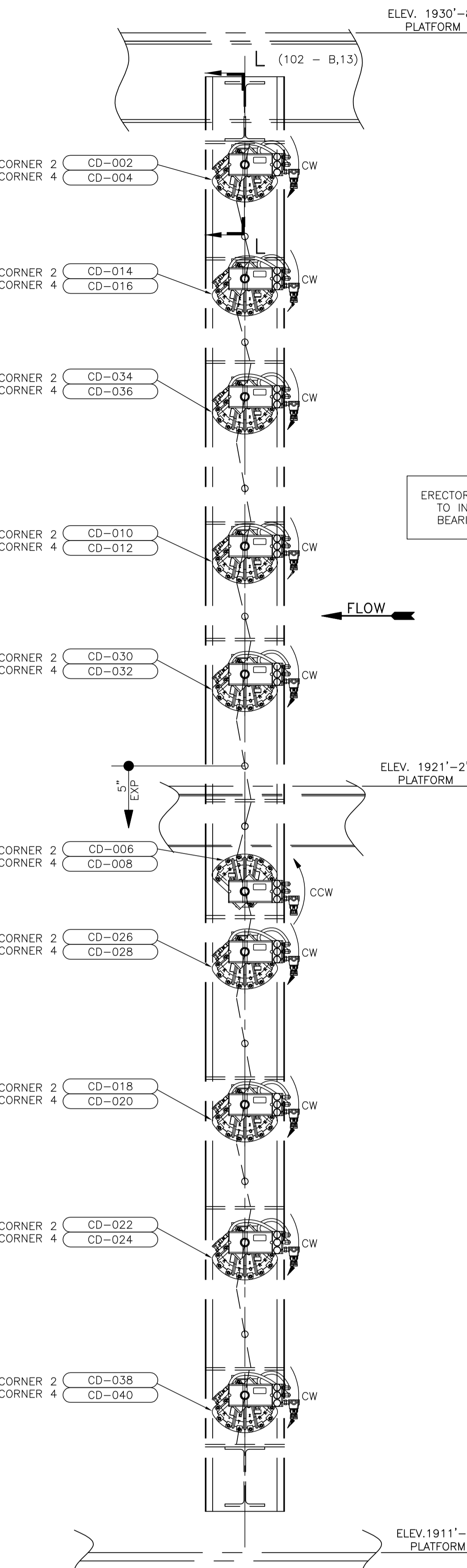
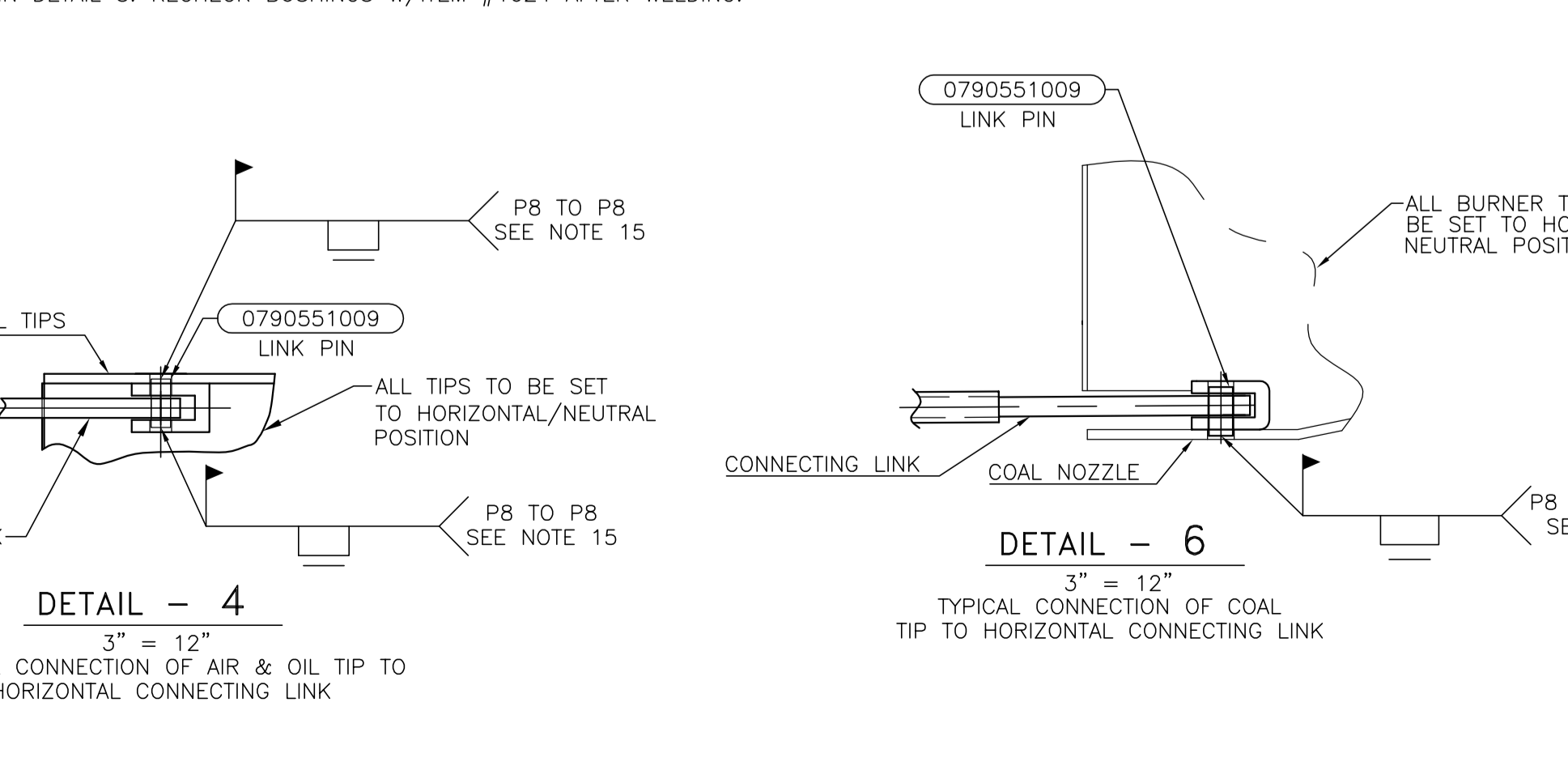
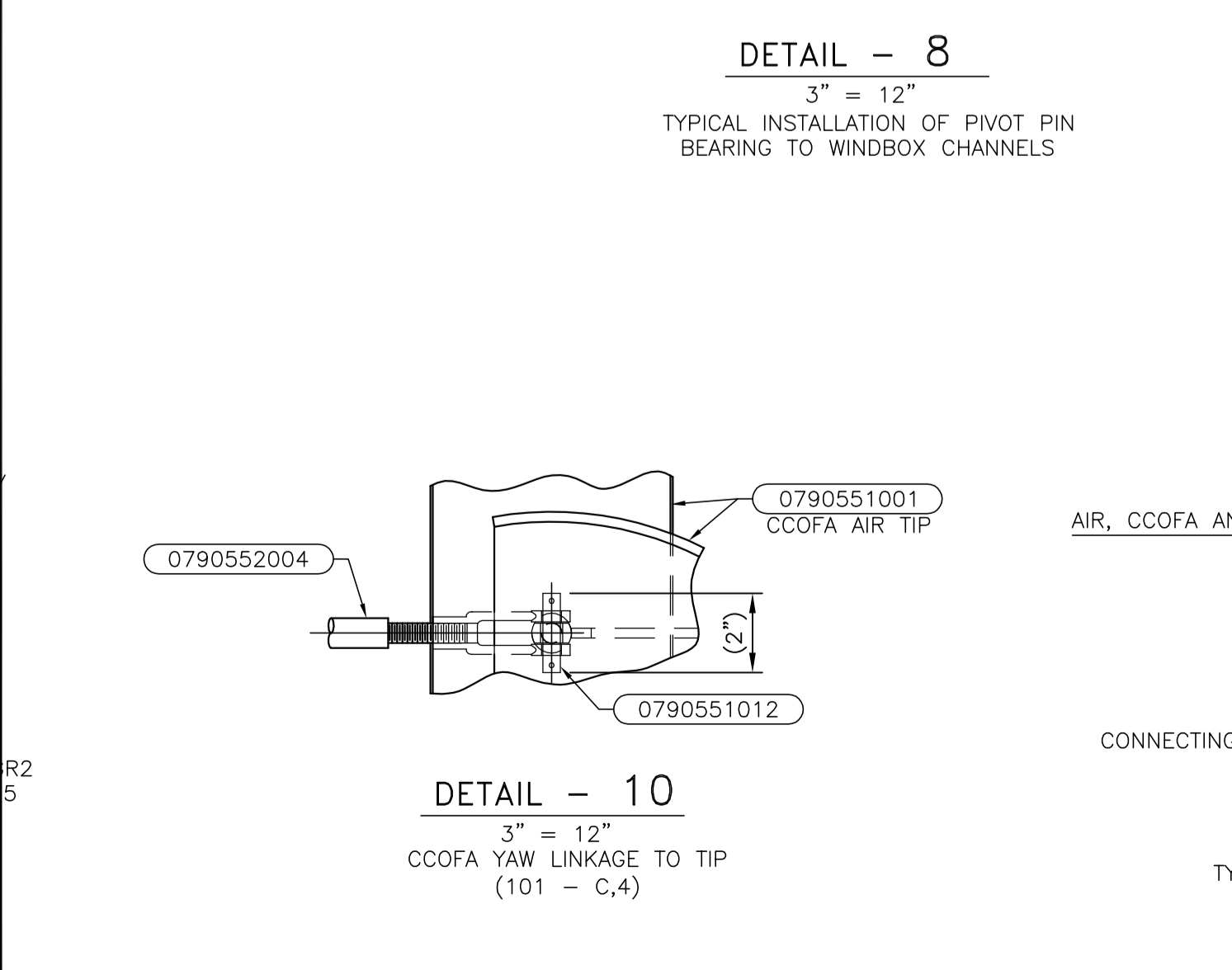
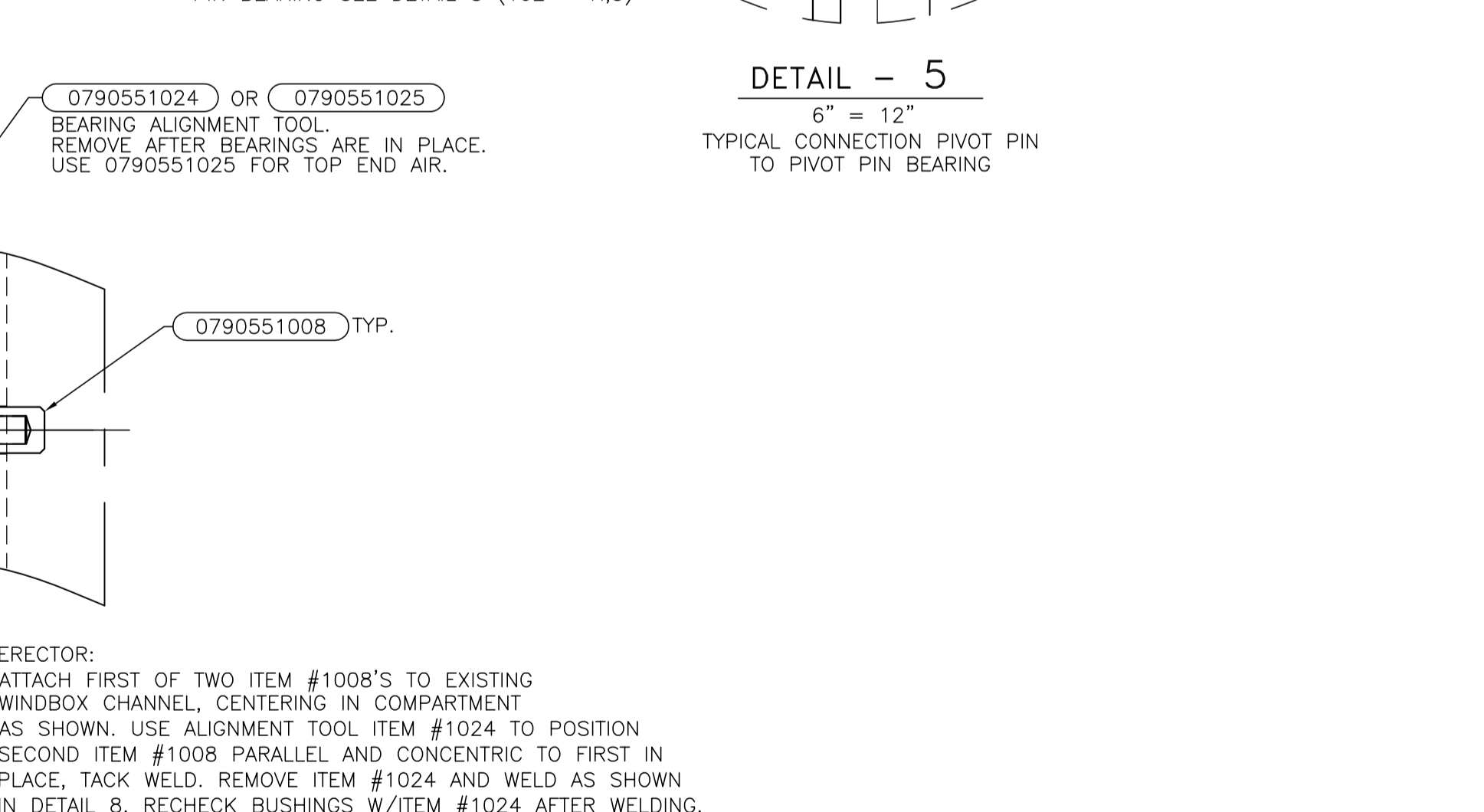
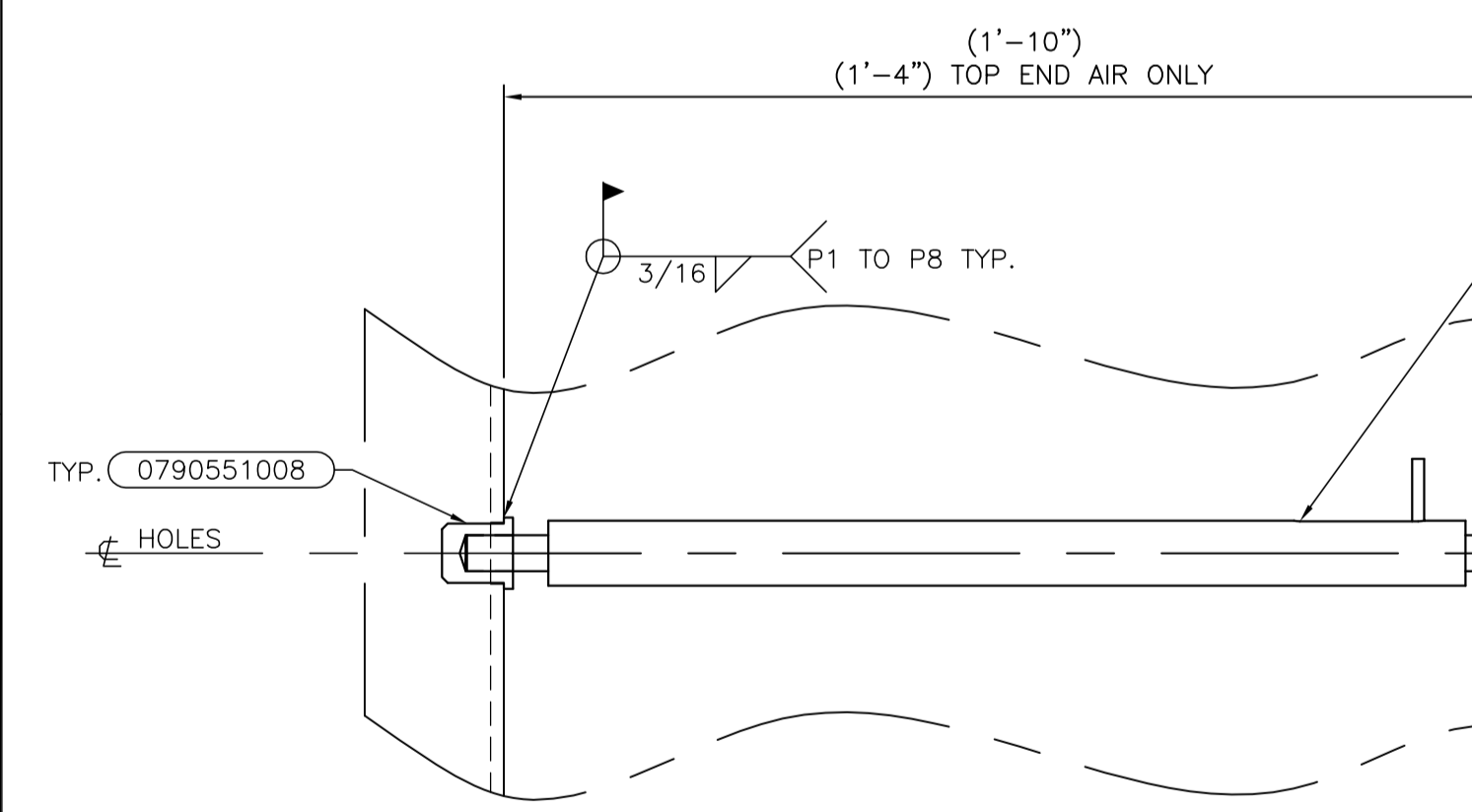
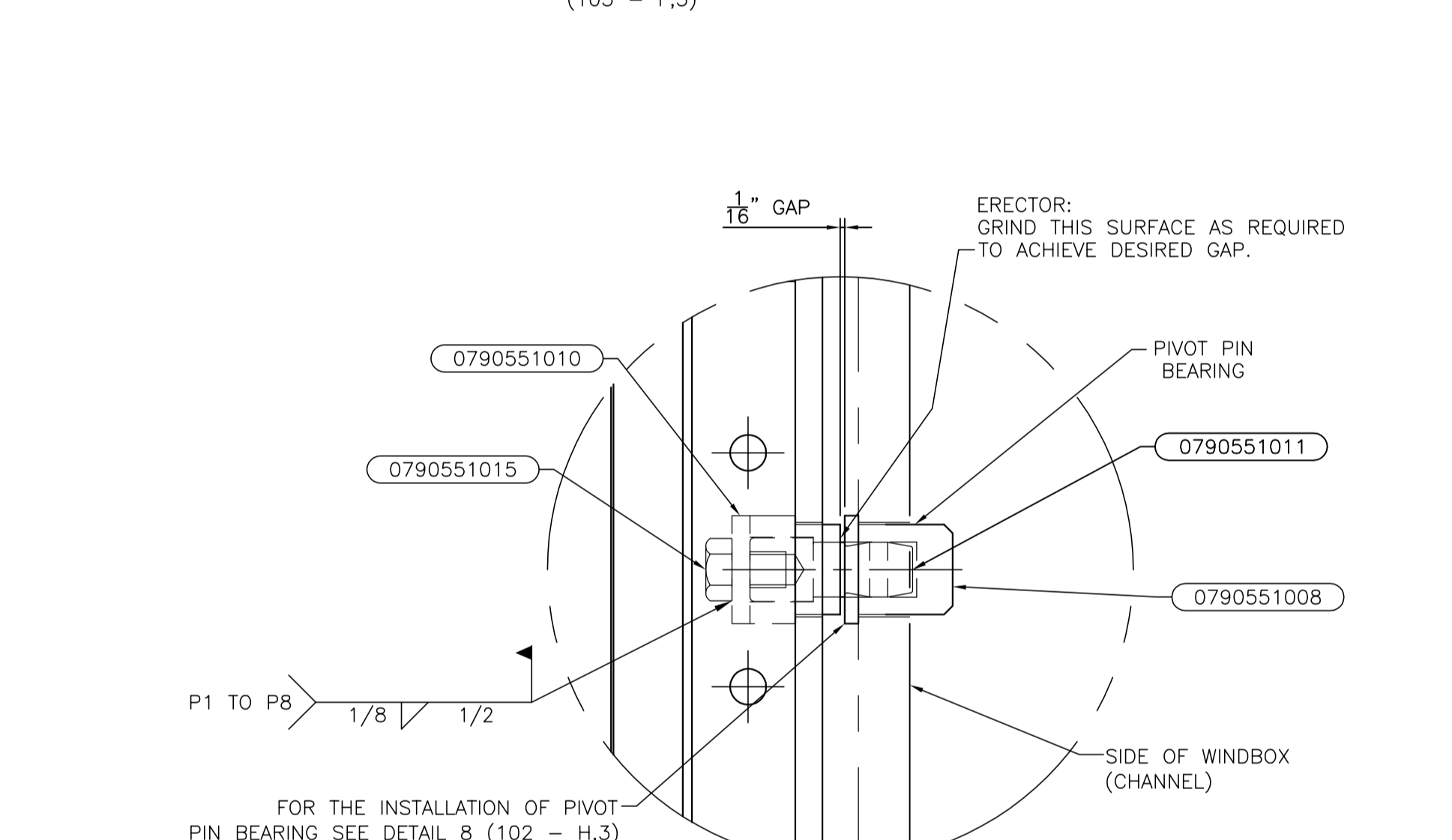
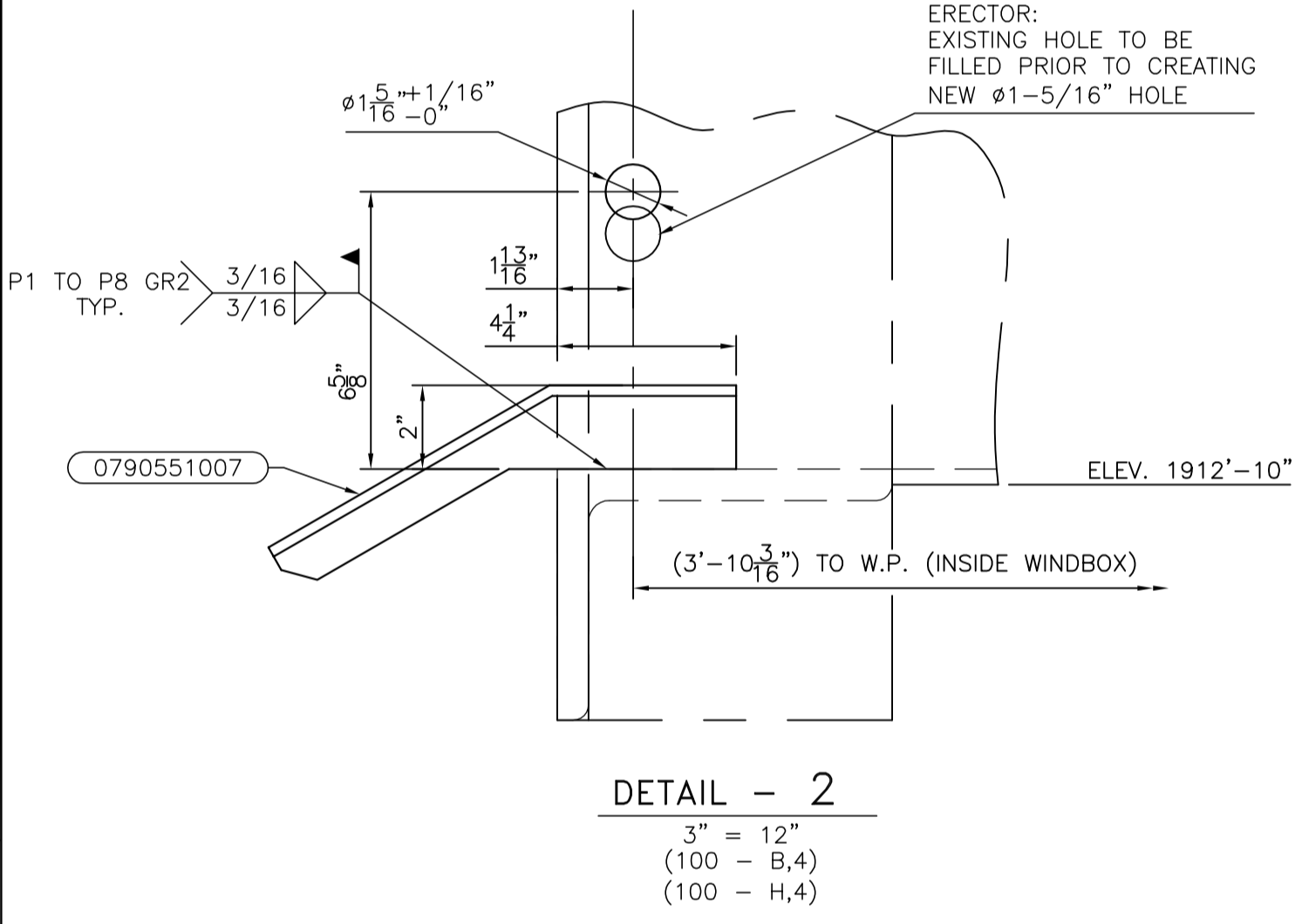
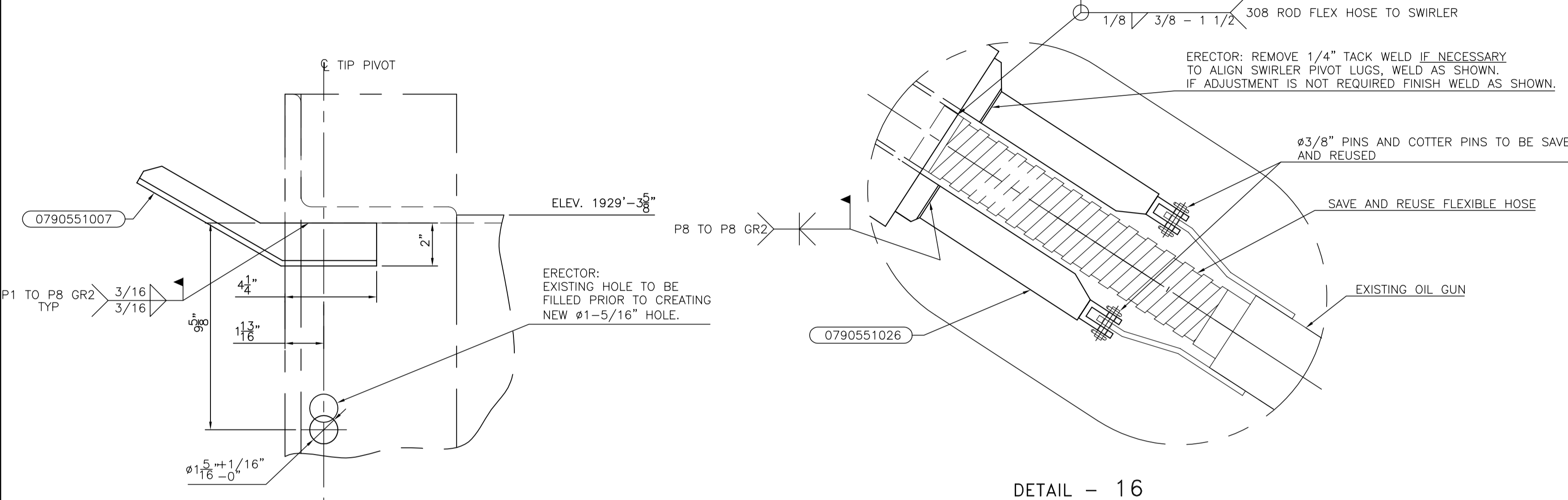
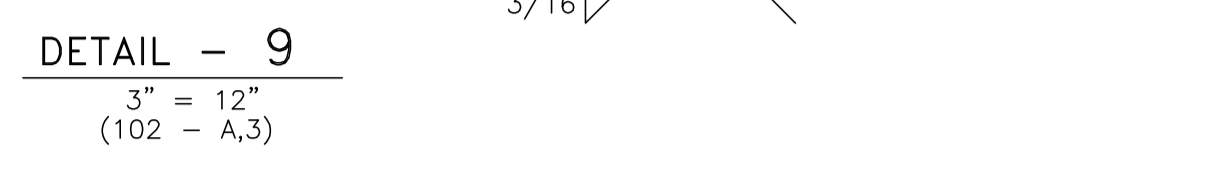
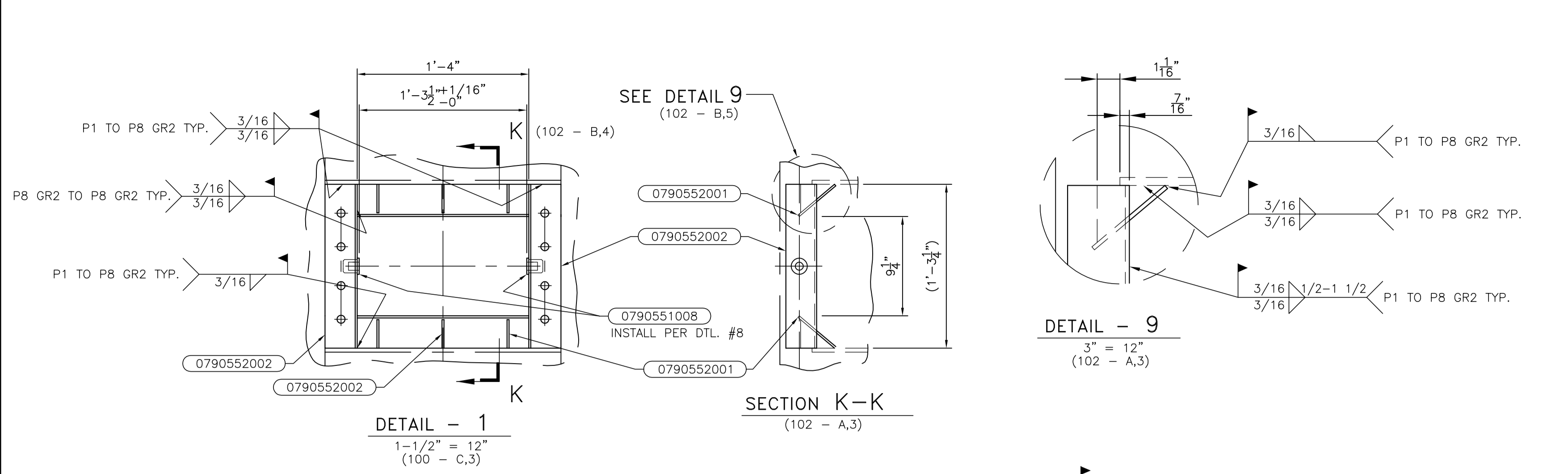
BURNER COMPONENT REPLACEMENT

CITY OF GRAND ISLAND UTILITIES

PLATTE GENERATING STATION UNIT #1

GRAND ISLAND, NE

DWG. NO. 100595-079055101-02



- ERECTOR NOTES**
- ERECTOR TO ESTABLISH SEQUENCE OF OPERATIONS FOR REMOVAL AND MODIFICATION OF EXISTING MATERIAL AS WELL AS INSTALLATION OF NEW MATERIAL AND EQUIPMENT.
 - ALL TIPS ARE TO BE SET TO HORIZONTAL POSITION PRIOR TO DISASSEMBLY.
 - TIP MATERIAL SPEC. A240-TP309
 - REMOVE AND SAVE THE FOLLOWING EQUIPMENT AT EACH CORNER FOR REUSE:
 - EXISTING OIL GUN AND GUIDE TUBE ASSEMBLY EXCEPT AS NOTED.
 - EXISTING BEARINGS IN AIR COMPARTMENTS WHERE TIPS ARE BEING REPLACED, NOT TO BE SAVED
 - ALL FLAME SCANNERS, GUIDE PIPES, AND ASSOCIATED HARDWARE.
 - REMOVE ALL CASING AND INSULATION FROM AREA TO BE WORKED ON AND SAVE FOR REUSE.
 - REMOVE AND REUSE: ALL COOLING AIR HOSES AND CONNECTIONS AS REQUIRED. EXISTING IGNITORS, SPARKERS & IGNITER PLATES
 - INSTALL THE FOLLOWING MATERIAL AS SPECIFIED:
 - NEW COAL NOZZLE ASSEMBLY.
 - NEW CCOFA TILTING TIPS WITH YAW LINKAGE.
 - NEW TOP END AIR TILTING TIPS WITH HORIZONTAL REACH ARM.
 - NEW AUX AIR TILTING TIPS.
 - NEW BOTTOM AIR TILTING TIPS.
 - ALL RELATED TILTING LINKAGE PER DWG 100595-079055100 SERIES FOR BEARING INSTALLATION ALIGNMENT PROCEDURE SEE DETAIL #8
 - APPLY PERMA SLIK ITEM #100595-0790551038 TO ALL LINKAGE PINS AND BEARINGS AT ASSEMBLY EXCEPT AS FOLLOWS: WITH GRAPHITE BUSHINGS, PINS OR SHAFTS ASSOCIATED WITH THEM.
 - ERECTOR TO STROKE TILT DRIVES TO ENSURE PROPER MOVEMENT OF TIPS
 - ERECTOR TO CHECK EACH COMPARTMENT WIDTH, HEIGHT AND DIAGONAL MEASUREMENT FOR LOCATION, AND RESTORE TO ORIGINAL COMPARTMENT DIMENSIONS. OPPOSITE DIAGONAL TO BE WITHIN ±1/8".
 - ALL DIMENSIONS ARE IN FEET AND INCHES OR INCHES.
 - UNLESS OTHERWISE NOTED, ALL FRACTIONAL DIMENSIONS TO BE ±1/8"
 - DISCONNECT PNEUMATIC AIR TUBING FROM ALL WINDBOX DAMPER DRIVES. REMOVE AND DISCARD TUBING BETWEEN DRIVE AND ISOLATION VALVE IN COPPER AIR HEADER. EXISTING PNEUMATIC SIGNAL LINE TO BE DISCONNECTED FROM DRIVE & REMOVED UP TO TUBE CHASE.
 - ATTACHMENT OF HORIZONTAL REACH ARMS TO TIPS WILL NEED TO BE COMPLETED PRIOR TO INSTALLATION INTO WINDBOX.

DETAIL - 11
100 - B,12
BURNER DAMPER MODIFICATION
CORNER 2 AND 4

DETAIL - 12
100 - B,12
BURNER DAMPER MODIFICATION
CORNER 1 AND 3

DETAIL - 14
3" = 12"
102 - D,14

DETAIL - 6
3" = 12"
TYPICAL CONNECTION OF COAL TIP TO HORIZONTAL CONNECTING LINK

DETAIL - 10
3" = 12"
CCOFA YAW LINKAGE TO TIP
101 - C,4

DETAIL - 4
3" = 12"
TYPICAL CONNECTION OF AIR & OIL TIP TO HORIZONTAL CONNECTING LINK

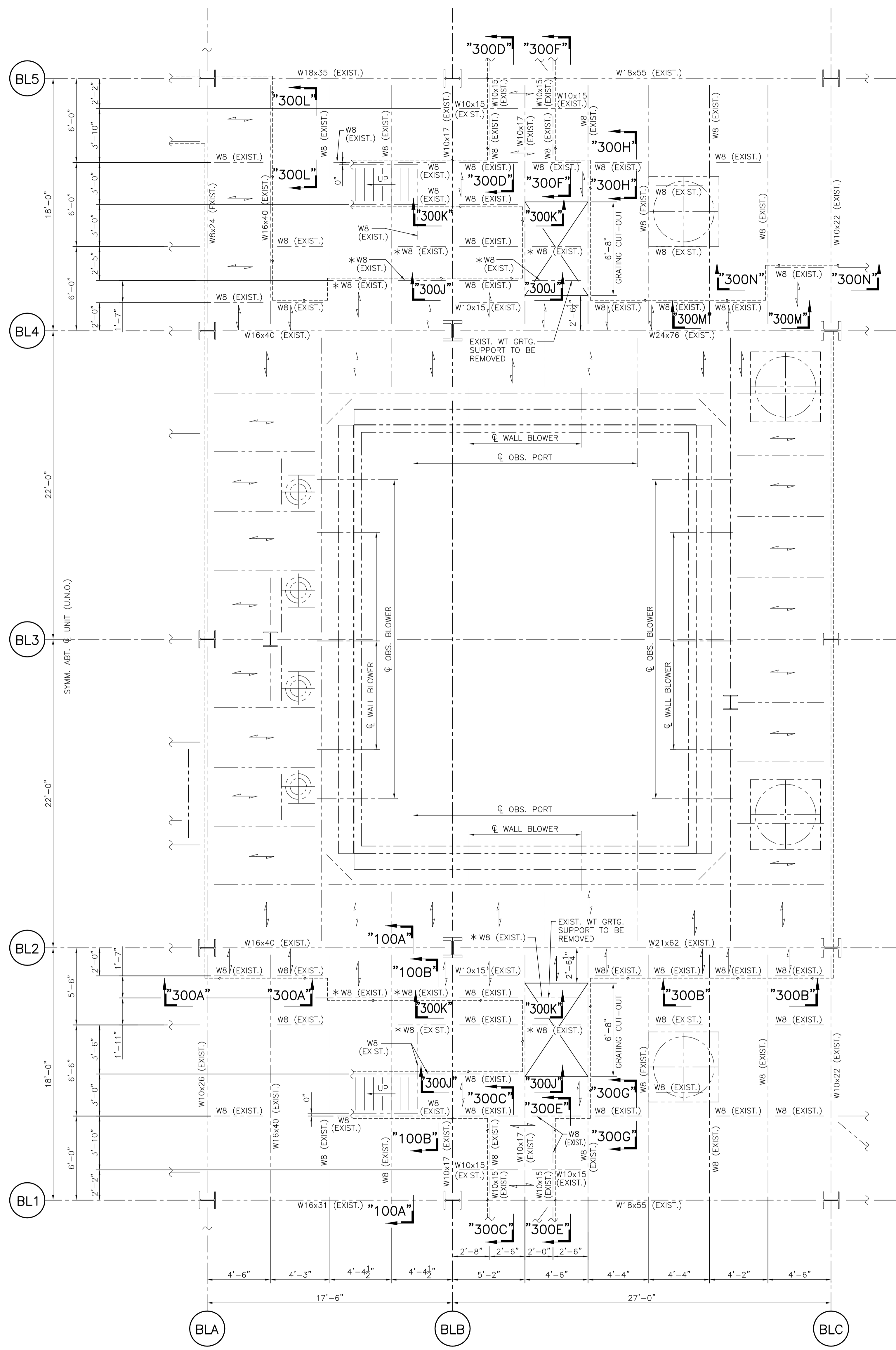
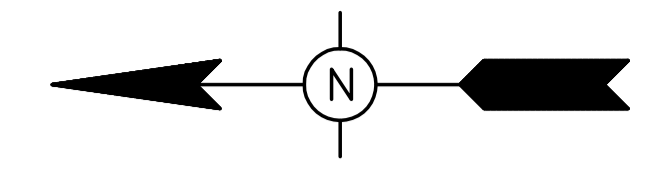
DRAWING COMPLETED & CHECKED		02	MG	RL	06-27-12	MC	07-09-12
DRAWING UPDATED		01	PC	MG	04-24-12	MC	04-24-12
REVISION	NO.	BY	CHK	DATE	APP'D	DATE	
					DENNIS BROOKS	07/09/2012	
					RELEASED & APPROVED	DATE	

SHOP REF DRAWINGS
100595-072675100
100595-074400101

BABCOCK POWER SERVICES INC.
BURNER ARRANGEMENT - CORNER DETAILS
BURNER COMPONENT REPLACEMENT

CITY OF GRAND ISLAND UTILITIES
PLATTE GENERATING STATION UNIT #1
GRAND ISLAND, NE

DWG. NO. 100595-079055102-02

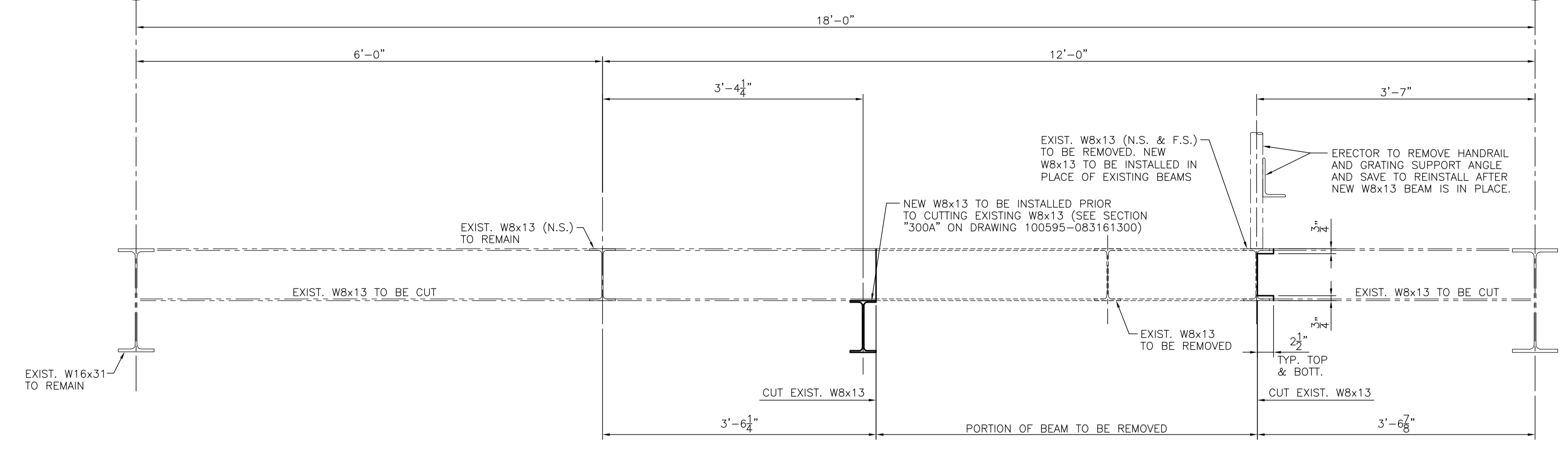


PARTIAL PLAN AT EL. 1940'-0"
 T.O.S. -3 1/4" (EL. 1939'-8 3/4") (U.N.O.)
 T.O.G. EL. 1940'-7 1/8" (TYP.)
 GRATING TO BE 2"

LEGEND:
 WB = W8x13
 * = EXISTING BEAM TO BE REMOVED

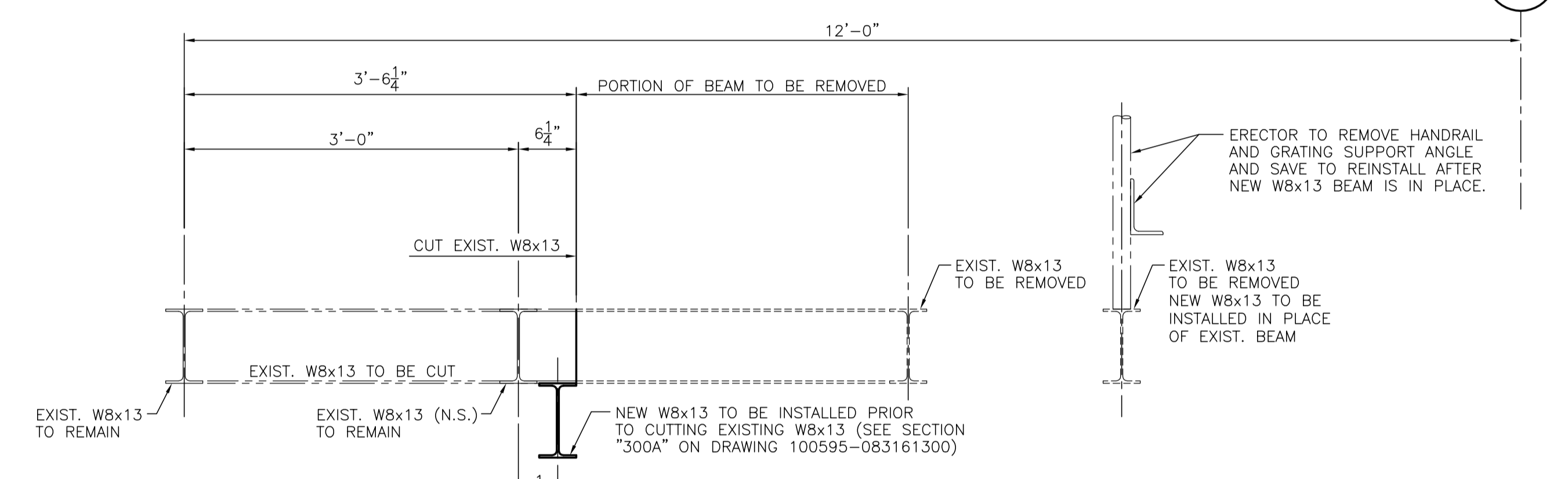
BL1 AS SHOWN
 BL5 OPP. HAND

BL2 AS SHOWN
 BL4 OPP. HAND



SECTION "100A-100A"
 SCALE: 1" = 1'-0"

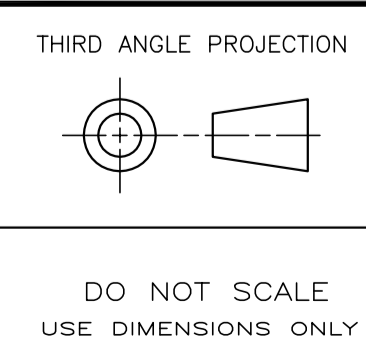
BL2 AS SHOWN
 BL4 OPP. HAND



SECTION "100B-100B"
 SCALE: 1" = 1'-0"

WORK THIS DRAWING WITH DRAWING 100595-083143300
 FOR NEW STEEL AND HANDRAIL AT THIS ELEVATION, SEE DRAWINGS 100595-083161100 AND 083161300.

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 ROBERT RANGATORE 05/09/2012
 RELEASED & APPROVED DATE

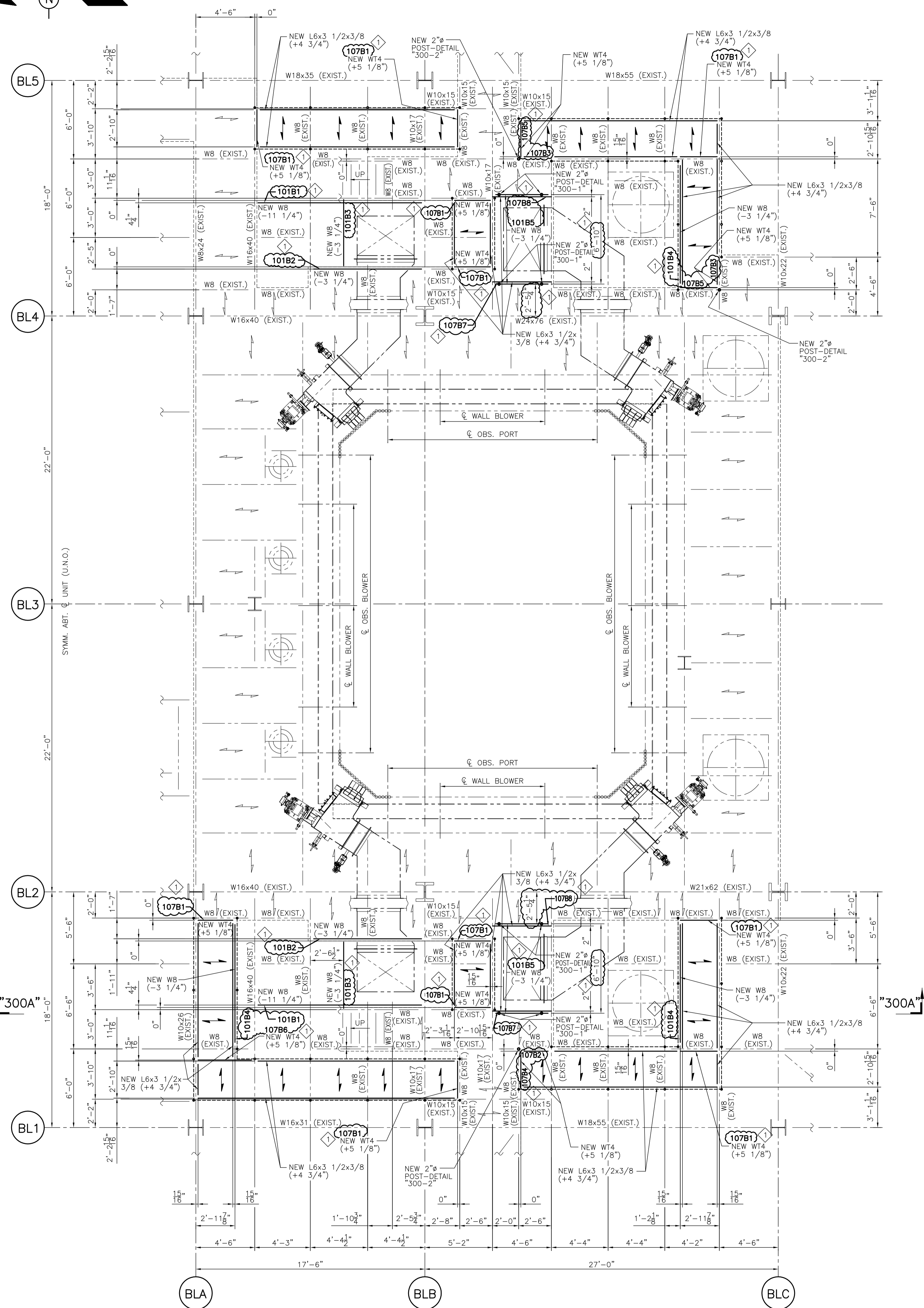
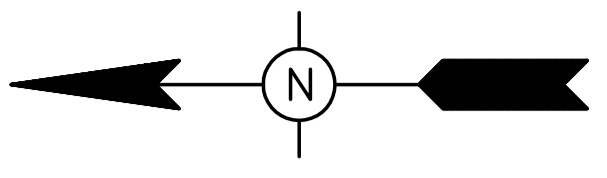


DO NOT SCALE
 USE DIMENSIONS ONLY

DRAWN: K. MCELROY
 DATE: 05-08-12
 CHECKED: R. MILLER
 DATE: 05-08-12
 APP'D: S. KIBLER
 DATE: 05-09-12
 SCALE: IN. = 1 FT.

BABCOCK POWER SERVICES INC.
 DEMOLITION PLAN AT EL. 1940'-0"
 STRUCTURAL STEEL ARRANGEMENT
 CITY OF GRAND ISLAND UTILITIES
 PLATTE GENERATING STATION UNIT #1
 GRAND ISLAND, NE
 DWG. NO. 100595-083143100-00

REVISION	NO.	BY	CHK	DATE	APP'D	DATE



LEGEND:
 WB = W8x13
 WT4 = WT4x12 (STEM OF WT TO BE TOED DOWN)
 • INDICATES NEW H.R. POST (U.N.O.)

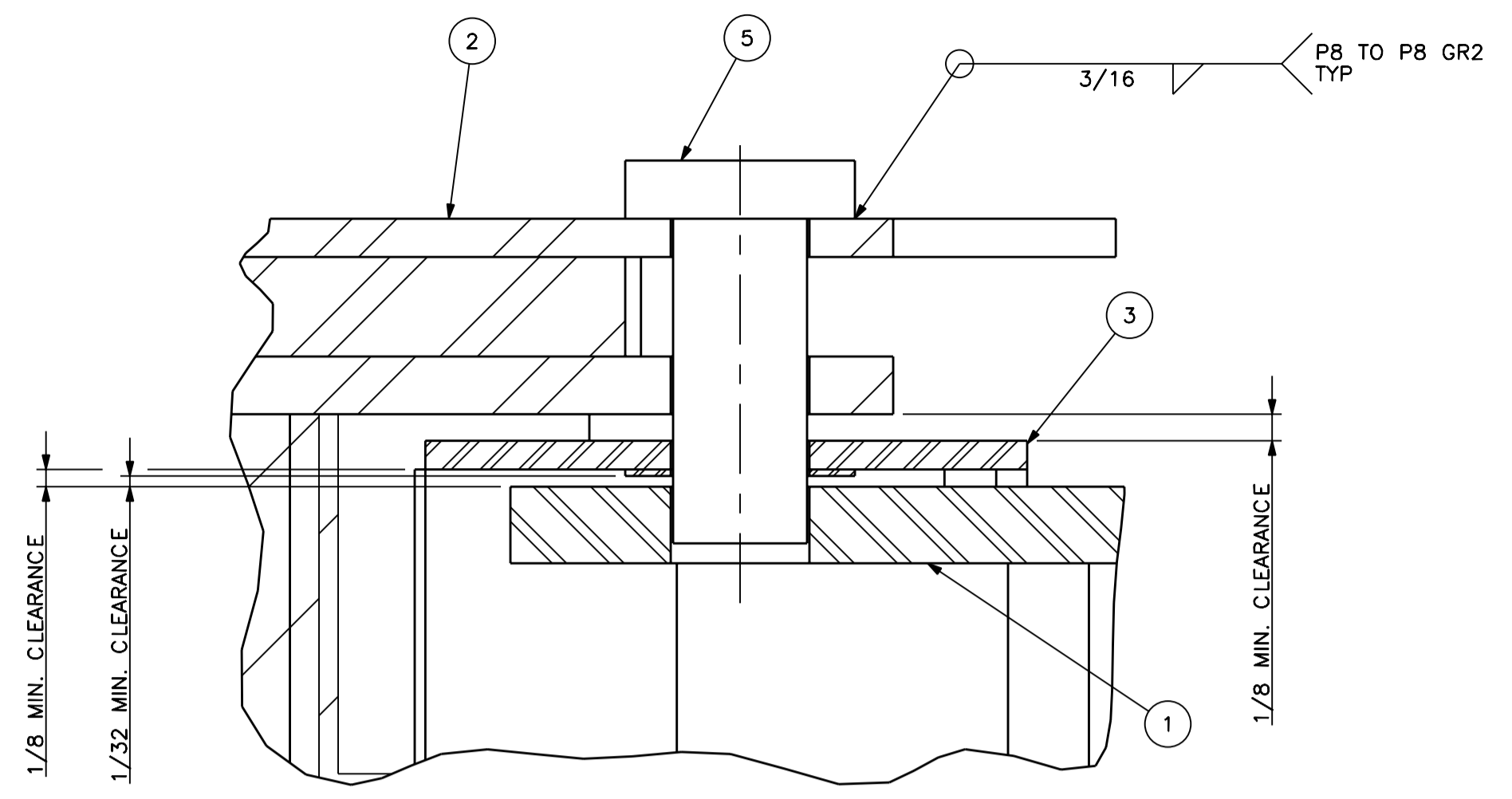
- GENERAL NOTES:**
- STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN CONFORMANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS, LATEST EDITION, UNLESS NOTED OTHERWISE.
 AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, NINTH EDITION.
 AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
 AISC SPECIFICATION FOR STRUCTURAL STEEL JOINTS USING ASTM A325 BOLTS.
 - ALL STRUCTURAL STEEL MATERIAL TO BE AS NOTED:
 W- AND WT-SHAPES - ASTM A992
 S- AND ST-SHAPES, CHANNELS AND ANGLES - ASTM A36
 ROUND HSS - ASTM A500, GRADE B
 SQUARE AND RECTANGULAR HSS - ASTM A500, GRADE B
 PIPE SHAPES - ASTM A53 GRADE B
 ALL OTHER SHAPES AND PLATES - ASTM A36, Fy=50 KSI
 BOLTED CONNECTIONS SHALL USE 7/8" DIA. ASTM A325 BOLTS, A563 NUTS, AND F436 WASHERS, UNLESS NOTED OTHERWISE.
 - ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE-AWS D1.1 LATEST EDITION.
 - WELDING ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI, A MINIMUM YIELD STRENGTH OF 60 KSI AND SHALL BE OF THE LOW-HYDROGEN TYPE.
 - WELDING PROCEDURES AND WELDER QUALIFICATIONS SHALL BE MAINTAINED IN THE FABRICATOR'S AND CONTRACTOR'S FILES FOR ALL.
 - ALL GRATING SHALL BE SERRATED, 2" DEEP, WITH 3/16" GALVANIZED STEEL RESISTANCE WELDED, BARS SPACED AT 1 3/16" O.C. WITH CROSS BARS AT 4" O.C. GRATING SHALL BE ANCHORED WITH GALVANIZED NO. 14 GAGE SADDLE CLIPS AND GRATING FASTENERS TO BE 1/4" TEK STAINLESS STEEL SELF TAPPING SCREWS SUPPLIED BY GRATING MANUFACTURER. STEEL GRATING AND THEIR ACCESSORIES ARE TO BE GALVANIZED PER ASTM A 123. GRATING FASTENERS SHALL BE LOCATED AT FOUR CORNERS OF EACH GRATING CROSSBARS SHALL BE ONE OF THE FOLLOWING:
 a. HEXAGON: 5/16-INCH DIAMETER OF INSCRIBED CIRCLE.
 b. RECTANGULAR: 1/2" x 3/16"
 c. SQUARE: 1/4-INCH WITH SPIRAL TWIST.
 d. ROUND: 21/64-INCH DIAMETER.
 THE NUMBER OF GRATING FASTENERS PER PANEL SHALL BE AS FOLLOWS:
- | PANEL WIDTH | END SUPPORT | INTERMEDIATE SUPPORT |
|-------------|-------------|----------------------|
| 20'-36" | 3 | 2 |
| 12'-20" | 2 | 2 |
| 0'-12" | 2 | 1 |
- GRATING FASTENERS SHALL BE POSITIONED BETWEEN THE SECOND AND THIRD LONGITUDINAL BAR ON EACH END OF PANEL (TWO FASTENERS), WHERE A THIRD FASTENER IS REQUIRED, IT SHALL BE PLACED APPROXIMATELY AT THE MID-WIDTH OF THE PANEL.
- RAILING SHALL BE DOUBLE PIPE RAILING OF WELDED CONSTRUCTION. HANDRAIL POSTS SHALL BE 1 1/2" NOMINAL DIAMETER EXTRA STRONG (SCH 80). (OUTSIDE DIAMETER 1.9 INCHES & WALL THICKNESS 0.145 INCHES). HANDRAIL POST SPACING NOT TO EXCEED 6'-0" CENTER TO CENTER. RAILS SHALL BE 1 1/2" DIAMETER SCHEDULE 40. ALL CORNERS SHALL BE BENT TO A 2 1/2" RADIUS OR WELDED ELBOWS WITH A MAXIMUM RADIUS OF 2 1/2" MAY BE USED, UNLESS SPECIFIED OTHERWISE. ALL OPEN ENDS OF HORIZONTAL RAILING SHALL BE CLOSED BY WELDING A 3/16" STEEL PLATE IN PLACE OR CAPPED AND SEAL WELDED. HANDRAIL DETAILS SHALL MEET THE REQUIREMENTS OF OSHA.
 - FOR SHOP CLEANING AND PAINTING, SEE CUSTOMER PAINT SPECIFICATION 100595-SSNU-0001-00.

WORK THIS DRAWING WITH DRAWING 100595-083161300
 FOR MODIFICATIONS TO EXISTING STEEL AND HANDRAIL SEE DRAWINGS 100595-083143100 AND 083143300

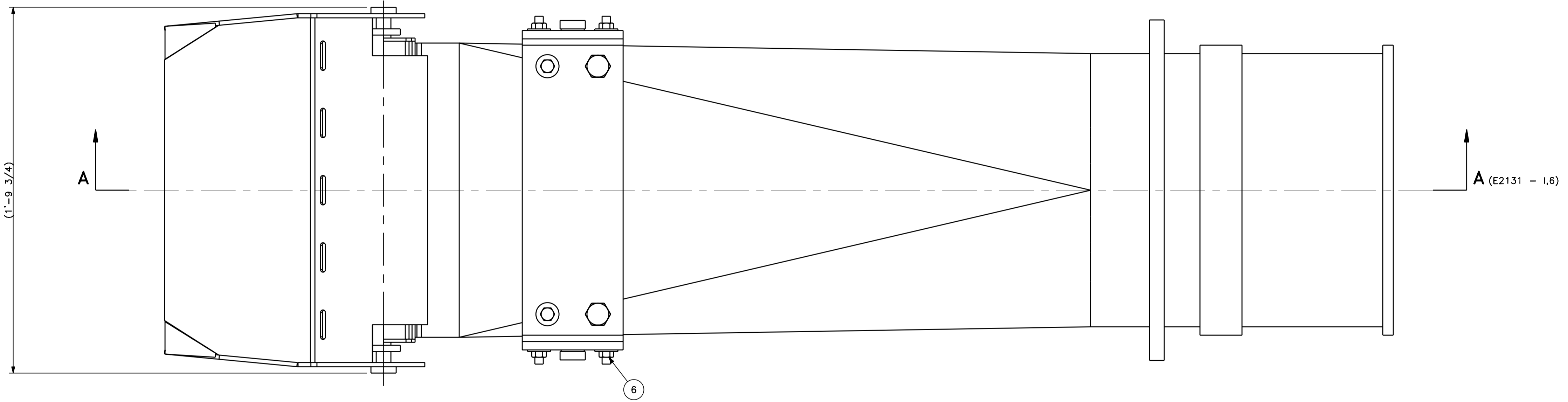
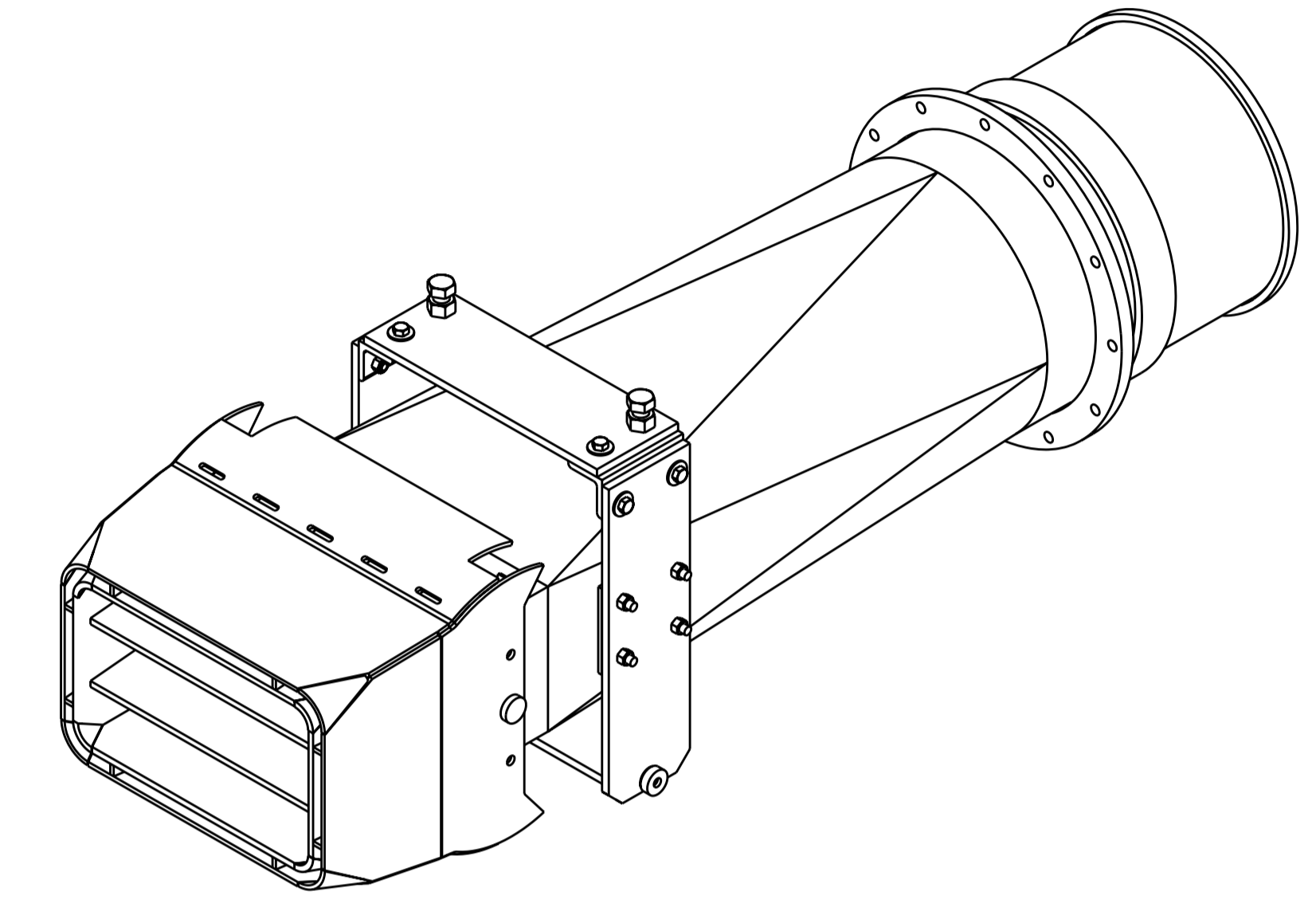
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UPDATED PER CUSTOMER COMMENTS; ADDED PIECE MARKS; ISSUED FOR CONSTRUCTION.	01	KJM	RLM	05-08-12	SK	05-09-12	THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION UNLESS IT CONTAINS DATE AND SIGNATURE OF APPROVAL AND THE COMPANY RESERVES THE RIGHT TO CORRECT ANY ERRORS OR OMISSIONS PRIOR TO ACTUAL START OF WORK. ROBERT RANCATORE 05/09/2012 RELEASED & APPROVED DATE

BABCOCK POWER SERVICES INC.
 PARTIAL PLAN AT EL. 1940'-0"
 STRUCTURAL STEEL ARRANGEMENT
 CITY OF GRAND ISLAND UTILITIES
 PLATTE GENERATING STATION UNIT #1
 GRAND ISLAND, NE

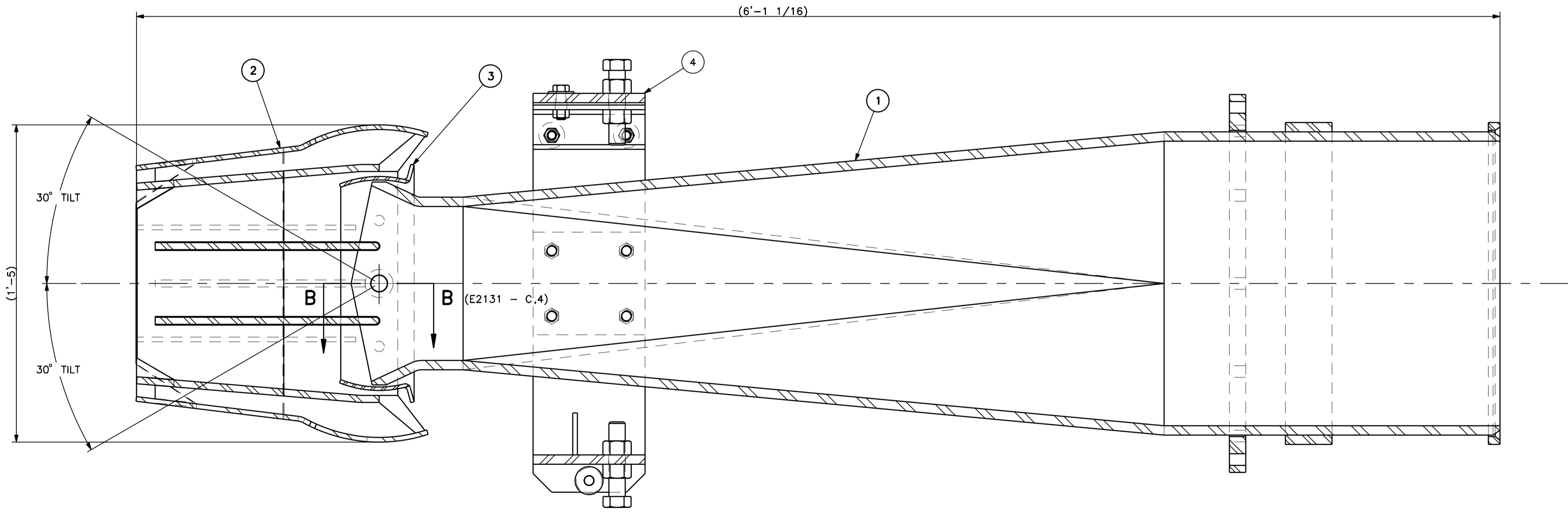
Dwg. Item	Assembly Part No.	No. Req.	Item Description	Mat'l Spec
1	E3001-7-9055-00	1	COAL NOZZLE	-
2	E2120-7-9055-00	1	COAL TIP	-
3	B3035-7-9055-00	1	COAL NOZZLE SEAL PLATE	-
4	E2119-7-9055-02	1	FRONT SUPPORT ASSEMBLY	-
5	A4010-7-9055-00	2	COAL NOZZLE PIVOT PIN	-
6	B821-005-053	8	NUT, HEX 1/2-13UNC-2B	J995 GR5



SECTION B-B
SCALE 1:000
(E2131 - H,4)



SECTION A-A
(E2131 - E,9)



WEIGHT SHOWN IS CALCULATED MATERIAL WEIGHT ONLY.
TEMPORARY BRACING AND WELD WEIGHT NOT INCLUDED.
ALL WELDING SHALL BE PERFORMED PER E.S. PL900-02
PAINT ANY SHIPPING TIES YELLOW

DRAWING PER ASME Y14.5M-1994	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
FRACTIONAL DIMENSIONS	LESS THAN 12 INCHES ± 1/16"
	12 INCHES OR GREATER ± 1/8"
DECIMAL DIMENSIONS .xxx	± .005
	.xx ± .010
	x ± .100
ANGULARITY	± 1/2°
SURFACE FINISH	250/

APPROX WEIGHT 800 LBS

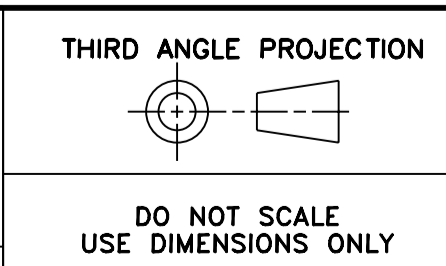
FIRST USED ON CONTRACT 100595

RILEY POWER INC.

COAL NOZZLE ASSEMBLY
22" WINDBOX WIDTH
24" COAL COMPARTMENT HEIGHT
Ø16" COAL PIPE

REVISION	NO	BY	CHK	DATE	APP'D	DATE
RELEASED & APPROVED					D. BROOKS	05-02-12

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DRAWN	R. LEGAULT
DATE	04-20-12
CHECKED	P. CAVALCANTI
DATE	05-02-12
APP'D	D. DORMAN
DATE	05-02-12
SCALE	3 IN. = 1 FT.

DWG. NO. E2131-7-9055-00-00

RESOLUTION 2020-224

WHEREAS, the City of Grand Island invited sealed bids for Boiler Inspection and Repair at Platte Generation Station – Fall 2020 Outage, according to plans and specifications on file with the Utilities Department; and

WHEREAS, on September 3, 2020, bids were received, opened and reviewed; and

WHEREAS, Locke AMI of Olathe, Kansas, submitted a bid in accordance with the terms of the advertisement of bids and plans and specifications and all other statutory requirements contained therein, such bid being in the amount of \$199,758.00; and

WHEREAS, the bid of Locke AMI is less than the estimate for Boiler Inspection and Repair at Platte Generating Station – Fall 2020 Outage.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of Locke AMI, in the amount of \$199,758.00, for Boiler Inspection and Repair at Platte Generating Station – Fall 2020 Outage, is hereby approved as the lowest responsible bid.

Adopted by the City Council of the City of Grand Island, Nebraska, September 22, 2020.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 18, 2020	☐ City Attorney