



Working Together for a
Better Tomorrow. Today.

SPECIFICATION PACKAGE

for

COAL CONVEYOR #1 TRANSFER POINT UPGRADE – PLATTE GENERATING STATION

Bid Opening Date/Time

Tuesday, July 17, 2012 @ 2:00 p.m. (local time)
City of Grand Island, City Hall
100 East 1st Street, P.O. Box 1968
Grand Island, NE 68802-1968

Contact

City of Grand Island – Utilities Department
Platte Generating Station
308/385-5496

Date issued: June 28, 2012

**ADVERTISEMENT TO BIDDERS
FOR
PLATTE GENERATING STATION COAL CONVEYOR #1 TRANSFER POINT UPGRADE
FOR
CITY OF GRAND ISLAND, NEBRASKA**

Sealed bids will be received at the office of the City Clerk, 100 E. First Street, P.O. Box 1968, Grand Island, Nebraska 68802, until Tuesday, July 17, 2012 at 2:00 p.m. local time for Platte Generating Station Coal Conveyor #1 Transfer Point Upgrade, FOB the City of Grand Island, freight prepaid. Bids will be publicly opened at this time in the Grand Island City Hall Council Conference Room #1 located on 1st floor of City Hall. Submit an original and three copies. Bid proposal package is also available on-line at www.grand-island.com under Business – Bid Calendars. 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 Treasurer 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 fourteen (14) 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 in clearly marked and separate envelopes will result in your bid not being opened or considered.** Surety companies authorized to do business in the State of Nebraska must 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 bid for a period of thirty (30) days after date of bid opening.

RaNae Edwards, City Clerk

Advertised
Grand Island Independent

(All bids must be submitted on this form)

PLATTE GENERATING STATION COAL CONVEYOR #1 TRANSFER POINT UPGRADE
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 such equipment FOB the City of Grand Island, freight prepaid, at the following price:

<u>ITEM DESCRIPTION</u>	<u>EXTENDED COST</u>
Base Bid:	
Conveyor #1: Material	\$ _____
Labor	\$ _____
Applicable Sales tax*	\$ _____
Total Base Bid	\$ _____
Alternate Bid – Conveyor #2:	\$ _____

* 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 7.0% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

- By checking this box, Bidder acknowledges that Addenda Number(s) _____ were received and considered in Bid preparation.
- By checking this box, Bidder acknowledges the specified completion date of the project is **September 11, 2012**.

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:

Nebraska law provides a sales and use tax exemption on contractor labor charges for the construction, repair, or annexation of any structure used for the generation, transmission, or distribution of electricity. Separately stated contractor labor would be exempt, all materials are taxable according to the contractor's option.

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.

Bidder Company Name Date

Company Address City State Zip

Print Name of Person Completing Bid Signature

Telephone No. _____ Fax No. _____

By checking this box, Bidder acknowledges there are Exceptions noted to the bid.
NOTE: Any exceptions to specifications must be fully explained on a separate sheet attached to bid.

CHECKLIST FOR BID SUBMISSION

FOR

PLATTE GENERATING STATION COAL CONVEYOR #1 TRANSFER POINT UPGRADE

Bids must be received by the City Clerk before 2:00 p.m. on Tuesday, July 17, 2012.

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

- A signed original and three copies of the bidding documents.
- A reference list of at least three projects of similar scope and complexity to this specification, including a description, name and phone contact.
- A summary of the experience of the superintendent and field supervisor proposed for this project.
- Firm lump sum pricing; firm unit pricing in case adjustments are necessary, and breakout of sales tax pricing.
- A description of the system proposed, including equipment and operating procedures.
- A proposed construction schedule.
- Selection of Nebraska Sales Tax Option.
- Acknowledgment of Addenda Number(s) _____.
- 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 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.

Please check off each item as completed.

Company

Signature

Telephone No. _____

Fax No. _____

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.

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.

4. SUBMISSION OF BIDS.

All Bids must be submitted intact not 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 here in. Each Bid 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 his Bid for a period of 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 in 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. Where State Statute requires, certification by a resident agent shall also be provided.

6. RETURN OF BID SECURITY.

Within 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:

Conformance with the terms of the Bid Documents.

Bid price.
Cost of installation.

Suitability to project requirements.
Delivery time.

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 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 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 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.

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 *PLATTE GENERATING STATION COAL CONVEYOR #1 TRANSFER POINT UPGRADE*; 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 the 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, or themselves, and its, his, 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:	\$.00
Sales Tax on Materials/Equipment:	\$.00
Sales Tax on Labor:	<u>\$.00</u>
Total	\$.00

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. 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 PLATTE GENERATING STATION COAL CONVEYOR #1 TRANSFER POINT UPGRADE.

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 **September 11, 2012.**

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.

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.

Attorney for the City Date _____

DRAFT



*Working Together for a
Better Tomorrow, Today.*

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 7.0% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Bids shall include the following on the **outside** of the mailing envelope: **“Platte Generating Station Coal Conveyor #1 Transfer Point Upgrade”**. All sealed bids are due no later than **Tuesday, July 17, 2012 at 2:00 p.m. local time**. Submit **an original and three copies** of the bid to:

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

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 Council Conference Room #1 located on 1st floor of City Hall. Any bid received after the specified date will not be considered. No verbal bid will 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 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 cashiers check, or bid bond payable to the City Treasurer 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 fourteen (14) 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 in clearly marked and separate envelopes will result in your bid not being opened or considered.** Surety companies authorized to do business in the State of Nebraska must 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. Please contact Ryan Schmitz at 308-385-5495, for questions concerning this specification.

Coal Conveyor #1 Transfer Point Upgrade Detailed Specification

SCOPE: The Contractor shall furnish all engineering, equipment, labor, mobilization/demobilization, scaffolding, licensing, permits and material necessary to upgrade existing transfer point on Conveyor #1. An alternate price shall be included for the listed upgrades at Conveyor #2.

Work shall include but is not limited to:

Conveyor #1:

- Rebuild transfer point containment area according to CEMA recommendations.
- Replace the fabric seals on the vibratory feeders.
- Eliminate belt sag in the containment area by installing belt support cradles, impact cradles, idlers, wear liners, skirting, dust curtains, etc.

Alternate #1: Conveyor #2:

- Rebuild transfer point containment area according to CEMA recommendations.
- Eliminate belt sag in the containment area by installing belt support cradles, impact cradles, idlers, wear liners, skirting, dust curtains, etc.

LOCATION: The Platte Generating Station is located at 1035 W. Wildwood Drive, two miles south of Grand Island, Nebraska.

The track hopper (Conveyor #1) and transfer house (Conveyor #2) are located at on the South side of the site.

CODES AND STANDARDS: CEMA (Conveyor Equipment Manufacturers Association) recommendations will be adhered to on this project.

SUBMITTALS: **Contractor shall submit the following documentation for review with the bid:**

- References for at least 3 projects of a similar scope, including a description, name, and phone contact.
 - A proposed construction schedule.
 - A description of the system proposed, including equipment and operating procedures.
 - A summary of the experience of the superintendent for this project.
1. Contractor shall submit the following documentation after contract award:
 - Working drawings shall be submitted to the plant for review and comment. Work shall not proceed until drawings are approved. Plans shall be drawn to scale and shall include the details necessary to indicate clearly all of the equipment and its arrangement.
 - Plans shall include a note listing the types of equipment used in the system.
 - No later than ten days after drawing approval the Contractor shall furnish the Owner with a detailed schedule showing activities, job duration, job start and finish dates, and manpower.
 2. Prior to equipment start-up the Contractor shall provide 5 copies each of all Operation & Maintenance manuals.
 3. After the equipment has been successfully tested and accepted the Contractor shall submit 5 copies of complete, as-built drawings for the entire system and any revisions to the Operation & Maintenance manuals.
 4. The Operation & Maintenance manuals shall include the following:
 - A system description.
 - Component data sheets for all field devices.
 - Bill of materials with customer equipment number column.
 - Mechanical outline drawings.

DETAILED SPECIFICATIONS:

Conveyor #1:

- Remove existing skirting system, skirt boards, and covers.
- Remove existing feed chutes (2) at flange just below vibratory feeder (or as necessary for construction).
- Remove all belt supports and decking through transfer point containment area.
- Install two (2) Impact Cradles beneath each load zone.
- Install four (4) Belt Support Cradles; one (1) between and three (3) after the impact cradles.
- Install six (6) spaced Idlers for new belt support system. Idlers shall have a 'slide in/slide out' capability as to be serviced without raising the belt or removing adjacent idlers.
- Install new Chute Walls through the length of transfer point.
- Install new Tail Pulley Box with entry seal at the tail end of the chute walls.
- Install a kicker plate in the feeder nearest the tail pulley to divert the flow toward direction of belt travel.
- Install new Feeder Chutes from existing vibratory feeder discharge flange down to the new chute wall system. Wear areas should be protected by ½" thick AR 500 wear liner.
- Install new Wear Liner along the chute wall system.
- Install new Skirting System along both sides of new chute wall system.
- Install Dual Dust Curtains at the existing end of the new chute wall system. One curtain shall be placed close to the load zone with a second placed at the exit of the skirtboard.
- Install access covers on new chute wall system as needed.
- Install new Belt Tracking System on both the return and carry side of belt (after it exits the transfer point).
- Replace existing access doors at the discharge of the vibratory feeders.
- Install new rubber seal (or approved equal) on the vibratory feeders (2) using existing hardware and mounting method.

Approximate Belt Speed: 610 ft/min

Approximate Loading Rate: 560 tons/hr

Alternate #1: Conveyor #2:

- Rebuild Conveyor #2 transfer point per CEMA recommendations and industry best practices in order to alleviate coal dust seepage during loading.
- Contractor will be required to submit proposed quantity and locations of Impact Cradles, Belt Support Cradles, Idlers and all other major components necessary to complete the upgrade. Material shall be as required for Conveyor #1 (listed above).
- A lump sum price (labor & material listed separately) shall be given for Conveyor #2 proposed transfer point upgrades.
- Contractor design and price must include refitting the existing dust collector and foamer nozzles to the new containment system. Design and price should include all re-direction of existing pipe (if needed).

In the future, a Donaldson© air cleaner (or approved alternate) may be installed to further alleviate dust at one or both transfer points. This shall be taken into account, when selecting/installing a proposed layout, to alleviate future labor costs of the retrofit.

Approximate Belt Speed: 610 ft/min

Approximate Loading Rate: 560 tons/hr

TRAINING: Training for plant personnel shall be conducted by certified technicians on the system maintenance features of the units.

FIELD SUPERVISOR: The Contractor shall provide an on-site service supervisor to direct all work who shall be thoroughly familiar and experienced with projects of similar scope. A summary of the experience of the service supervisor proposed for this project shall be provided with the bid.

MATERIALS, EQUIPMENT, AND SERVICES PROVIDED BY THE OWNER: The Owner shall provide temporary power (480/240/120) for the Contractor. Contractor must contact Owner in advance to allow for temporary power to be run to the area. Contractor may be required to provide extension cords. The Owner will provide any needed water.

MATERIALS, EQUIPMENT, AND SERVICES PROVIDED BY THE CONTRACTOR: The Contractor shall provide all required hand tools, hoists, scaffolding, consumables, and all other equipment and materials necessary to completely perform the work. Contractor will be responsible for site cleanup and the disposal of all work debris.

SAFETY: The Contractor shall follow all applicable OSHA regulations and plant safety regulations. There shall be No Smoking within 50 ft. of any building or coal storage areas. A short (10 minute) plant safety meeting shall be required prior to commencement of work.

Contractor must work with plant operations to obtain a hot work permit prior to commencing with welding operations.

OWNER: An Engineer representative of the Platte Generating Station.

SCHEDULE: All work should be completed between **September 1, 2012 and September 11, 2012**. Contractor will be allowed to move equipment onsite 3 day in advance of initial Construction Date. The Contractor shall include a construction schedule with the bid and a proposed completion date.

Access to the plant will be available at all times and the Contractor may determine working hours; however, the plant staff will only be available during normal, daytime, weekday working hours.

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 rather than request entry and exit for each trip. There is a \$25.00 charge for each access card that is not returned when the job is completed.

QUALIFICATIONS: The Contractor shall be a firm specializing in conveyor systems in industrial locations. Reference contacts of at least three recent projects of similar scope shall be furnished with the bid.

SERVICE RATES: The Contractor shall include in the Bid a firm lump sum price, including expenses, and all other standard terms and conditions which will be in effect during the project. The Bid shall also include firm unit pricing for adjustments that may be required for work outside of the specified scope of services and a lump sum bid for Alternate #1.

The Platte Generating Station is NOT tax exempt and is subject to 7.0% sales tax. See the Nebraska Department of Revenue web site at www.revenue.state.ne.us for contractors tax information.

CONTACT: Questions regarding this specification may be directed to Ryan Schmitz at the Platte Generating Station, telephone (308) 385-5495.

ATTACHMENTS:

77-8R-CH-1	COAL HANDLING PLOT PLAN
77-8R-CH-7	COAL TRANSFER HOUSE SECTIONS
70-101	CONVEYOR – ELEVATIONS, CONVEYORS 1 AND 2
70-102	30" TRANSFER CONVEYOR NO. 1, DECK TRUSSES – STRUCTURAL
70-103	30" TRANSFER CONVEYOR NO. 1, DECK TRUSSES – STRUCTURAL DETAILS
70-105	30" TRANSFER CONVEYOR NO. 1, GENERAL ARRANGEMENT
70-106	30" TRANSFER CONVEYOR NO. 1, TAIL END AND LOADER DETAILS
70-804	30" TRANSFER CONVEYOR NO. 1, VIBRATING FEEDER DETAILS
70-1220	CONVEYORS 1 & 3 MOTOR DATA SHEET

70-201	30" STOCKOUT CONVEYOR NO. 2, DECK TRUSSES – STRUCTURAL
70-202	30" STOCKOUT CONVEYOR NO. 2, DECK TRUSSES – STRUCTURAL DETAILS
70-204	30" STOCKOUT CONVEYOR NO. 2, GENERAL ARRANGEMENT
70-206	30" STOCKOUT CONVEYOR NO. 2, TAIL END AND LOADER DETAILS
70-214	30" STOCKOUT CONVEYOR NO. 2, DECK TRUSS DT2-3 STRUCTURAL
70-1223	CONVEYOR 2 MOTOR DATA SHEET

Note: All attachments are for information only. Contractor must verify all data shown in the field.

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

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 be not 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 be not 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

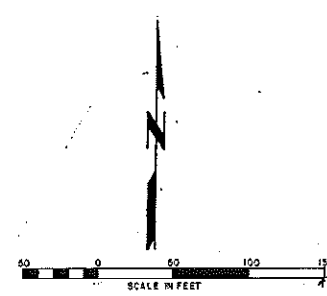
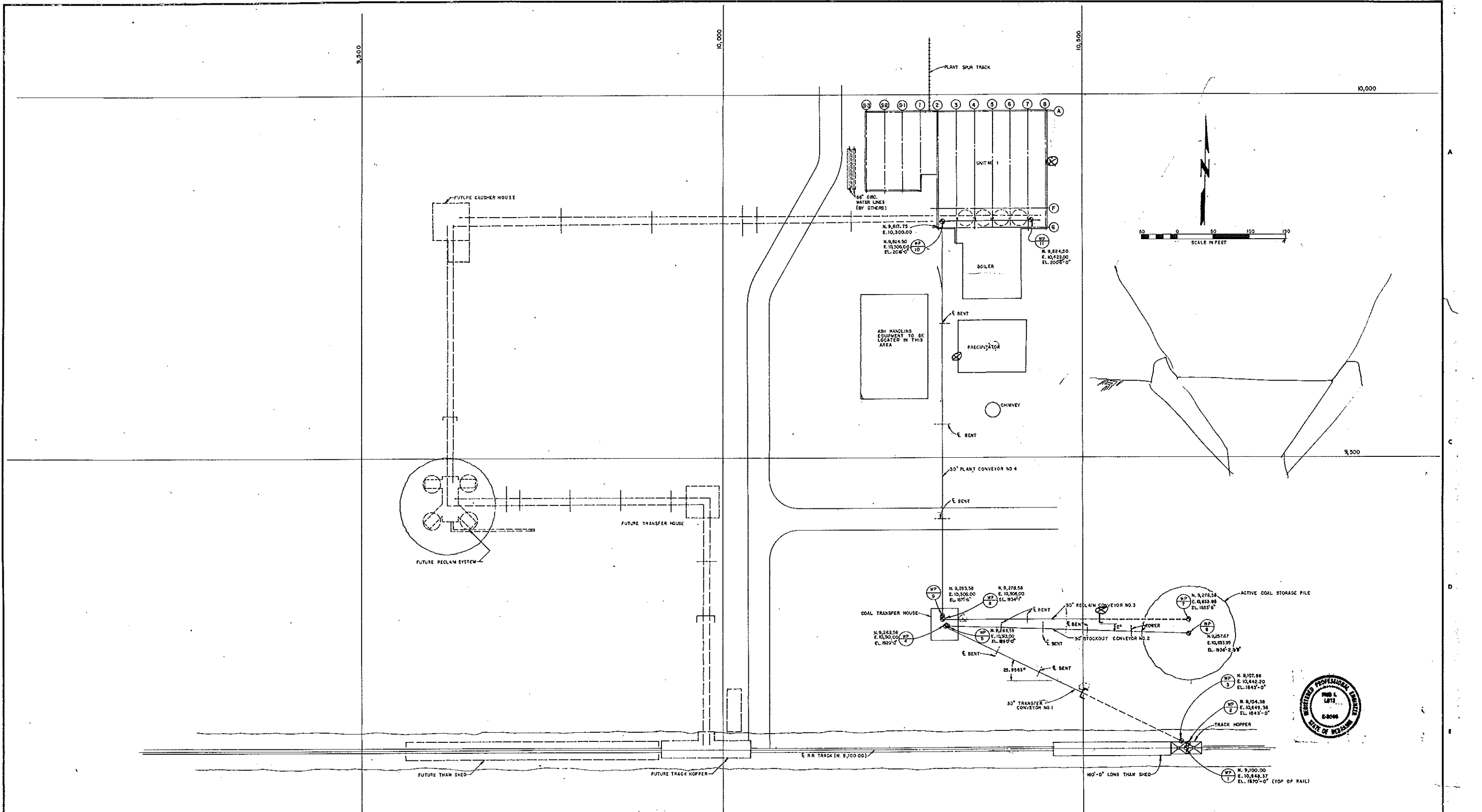
The City may require insurance covering a Bidder or subcontractor more or less than the standard requirements set forth herein depending upon the character and extent of the work to be performed by such Bidder or subcontractor.

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

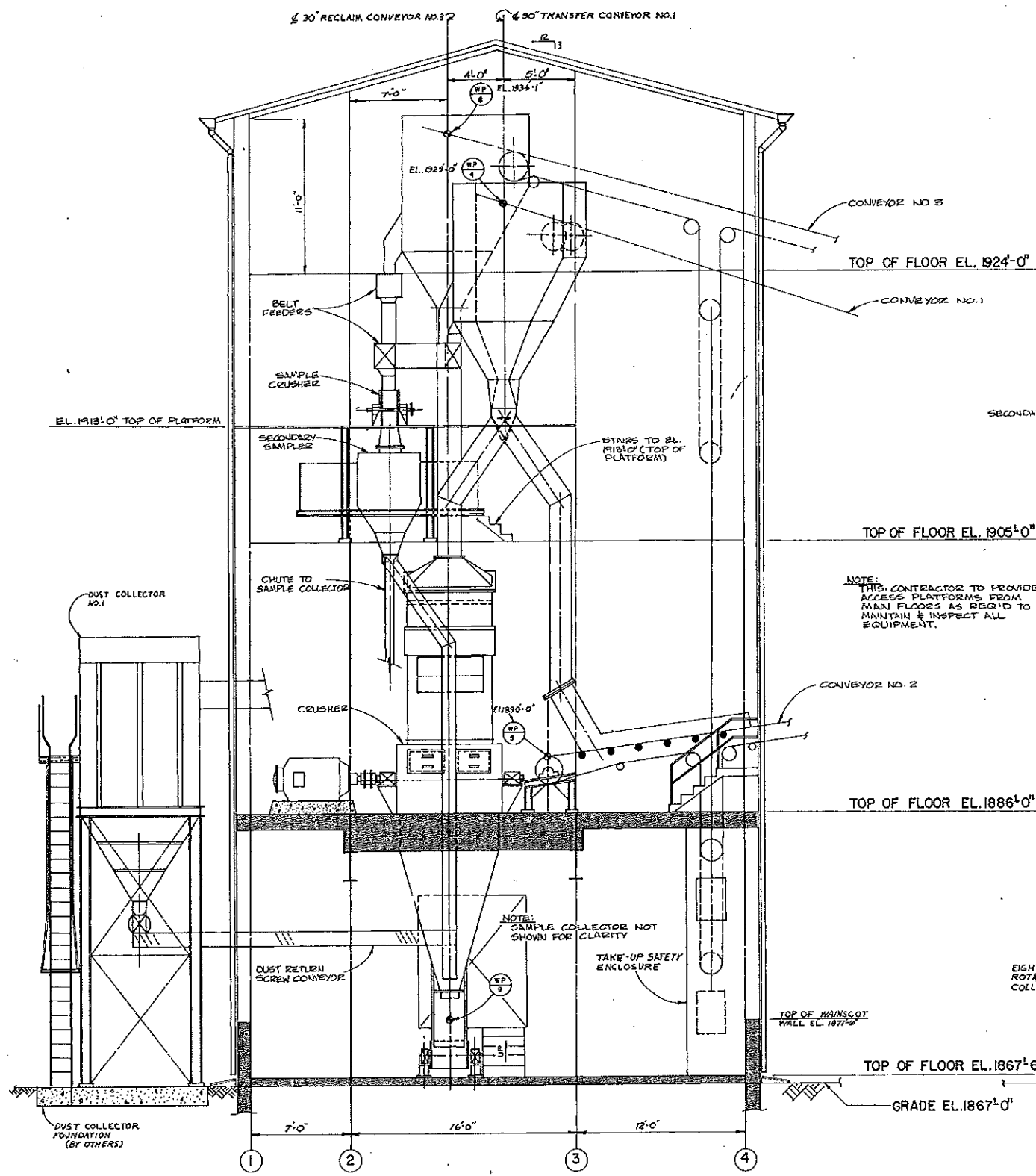
Satisfactory certificates of insurance shall be filed with the City prior to starting any work on this Contract. **The certificates shall show the City as an additional insured on all coverage except Workers Compensation. The certificate shall state that thirty (30) days written notice shall be given 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 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.**



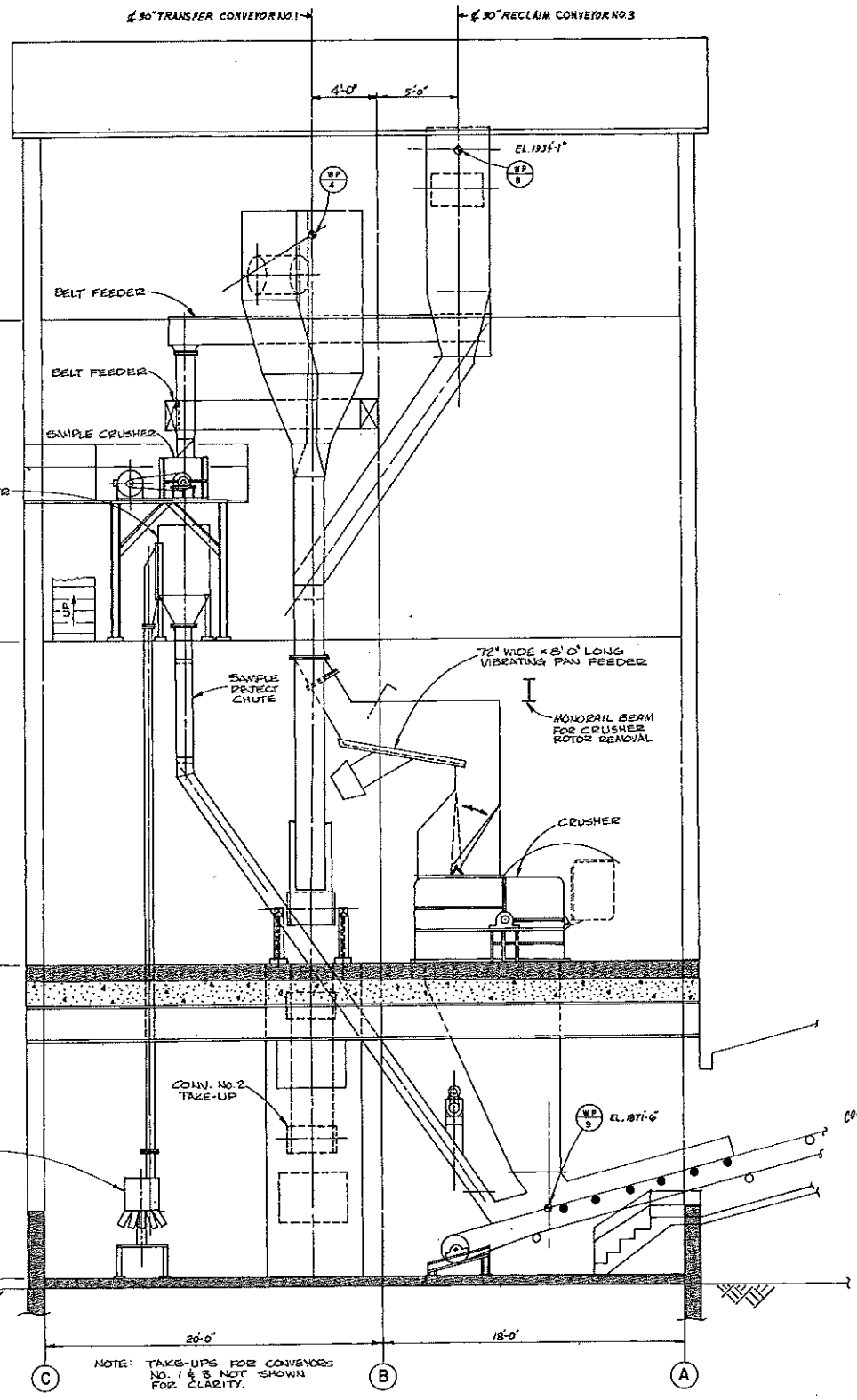
1/20
2/20

① Smoke
② Air Ducts
③ Drain valves + pipes

UTILITY SYSTEM IMPROVEMENTS			
GRAND ISLAND, NEBRASKA			
COAL HANDLING PLOT PLAN			
LUTZ, DAILY & BRAIN CONSULTING ENGINEERS P.O. BOX 718 SHAWNEE MISSION, KANSAS 66201		DRAWING NUMBER 77-8R-CH-1	
DESIGN BY: AHL	DATE: 6-76	DRAWING NUMBER	SHEET
DRAWN BY: G.L.T., A.M.I.M.E.	DATE: 9-76	77-8R-CH-1	2 of 15
CHECKED BY: S.C.A.	DATE: 10-76		
APPROVED BY: [Signature]	DATE: 10-76		



SECTION A-A
SCALE 1/4"=1'-0"
LOOKING NORTH

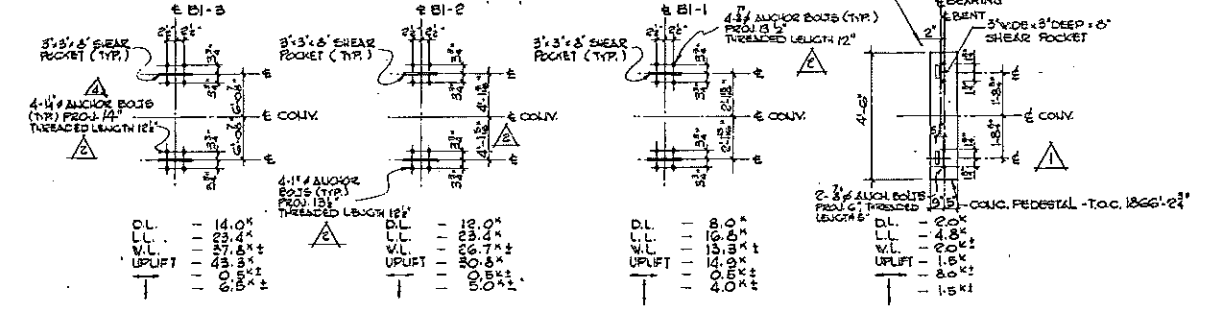
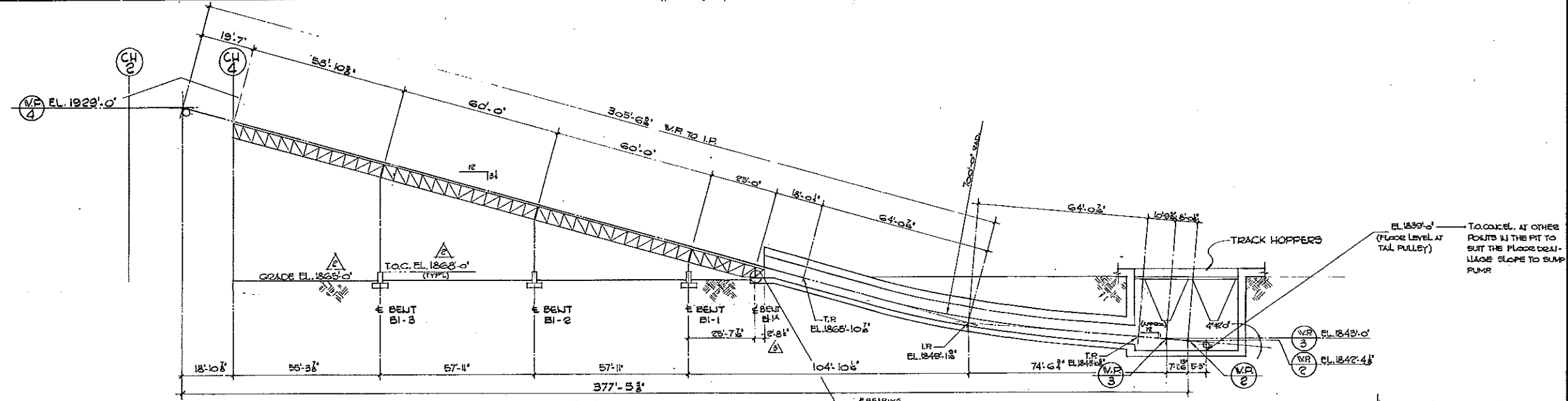


SECTION B-B
SCALE 1/4"=1'-0"
LOOKING WEST

NOTE: FOR PLAN VIEW SEE
DWG. 77-BR-CH-5 &
DWG. 77-BR-CH-6
FOR GENERAL NOTES
SEE DWG. 77-BR-CH-3

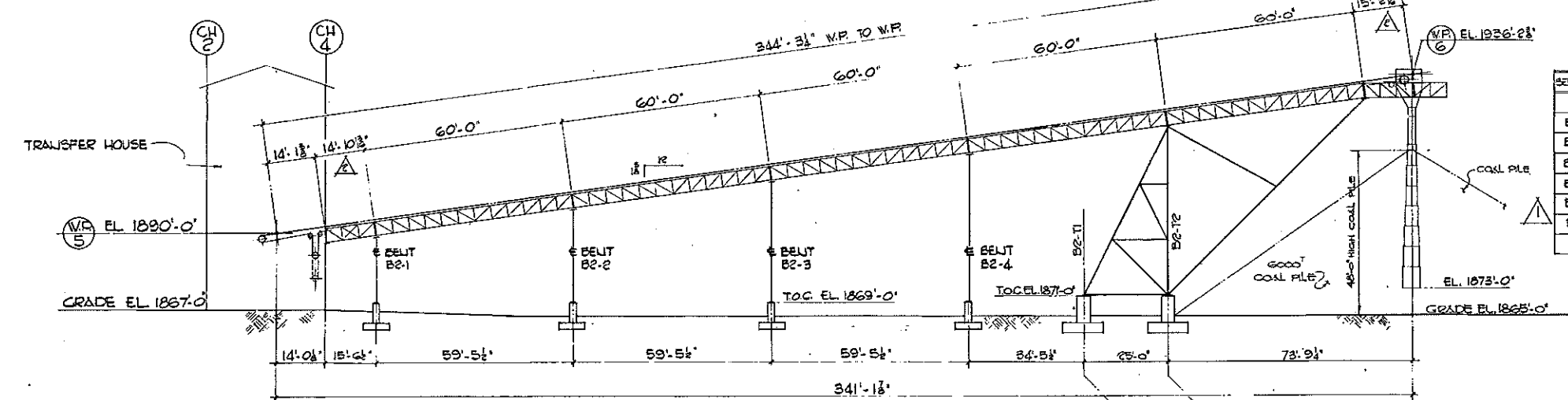


UTILITY SYSTEM IMPROVEMENTS	
GRAND ISLAND, NEBRASKA	
COAL TRANSFER HOUSE SECTIONS	
LUTZ, DAILY & BRAIN CONSULTING ENGINEERS P.O. BOX 718 SHAWNEE MISSION, KANSAS 66201	
DESIGN BY: AHL 9-28	DRAWING NUMBER: 77-BR-CH-7
DRAWN BY: BJL 10-22	SHEET: 8 OF 15
CHECKED BY: SCS 10-22	
APPROVED BY: FSL 10-22	



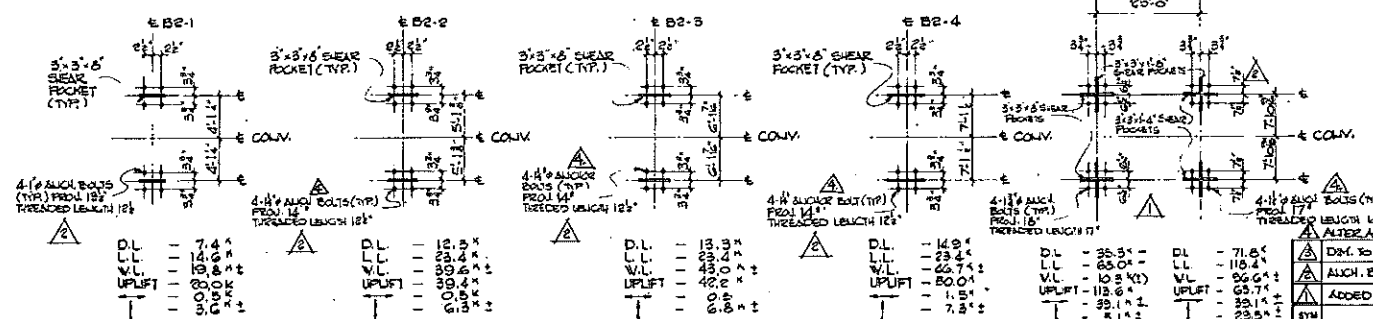
30' TRANSFER CONVEYOR No. 1

BELT/ANIS	DL-VERT	LL-VERT	VL-VERT	HL LOCM	HL LOCM	UPLIFT	FRICTION
B1-K	20'	48'	20'±	15'±	8.0'	15'	-
B1-1	8.0'	16.8'	13.3'±	4.0'±	0.5'±	14.9'	-
B1-2	12.0'	23.4'	26.7'±	5.0'±	0.5'±	30.8'	-
B1-3	14.0'	23.4'	27.8'±	6.5'±	0.5'±	43.3'	-
QTE-1	1.0'	3.0'	-	-	2.0'	-	-
QTE-2	1.0'	0.5'	-	-	2.0'	1.0'	-



BELT/ANIS	DL-VERT	LL-VERT	VL-VERT	HL LOCM	HL LOCM	UPLIFT	FRICTION
B2-1	7.4'	14.6'	27.6'±	3.6'±	0.5'±	27.7'	-
B2-2	12.3'	23.4'	36.1'±	6.3'±	0.5'±	35.9'	-
B2-3	13.3'	23.4'	39.5'±	6.8'±	0.5'±	38.7'	-
B2-4	14.9'	23.4'	42.1'±	7.3'±	1.5'±	50.0'	-
B2-T1	25.3'	68.0'	10.3'±	5.1'±	32.1'	113.6' ± 1.0'	-
B2-T2	71.6'	118.4'	26.6'±	29.5'±	32.1'	69.7' ± 1.0'	-

* VERTICAL LOADS DUE TO DEAD & LIVE LOADS SHOWN IN TABLE FOR B2-T1 ARE FOR MAX. UPLIFT CONDITION (SHOWN NEGATIVE)



30' STOCKOUT CONVEYOR No. 2

70-101 J

RECORD DRAWING
DATE 2-9-79

JUN 24 1981

INSULTING ENGINEERS — LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF CONERIGS CORPORATION
KANSAS CITY — KANSAS

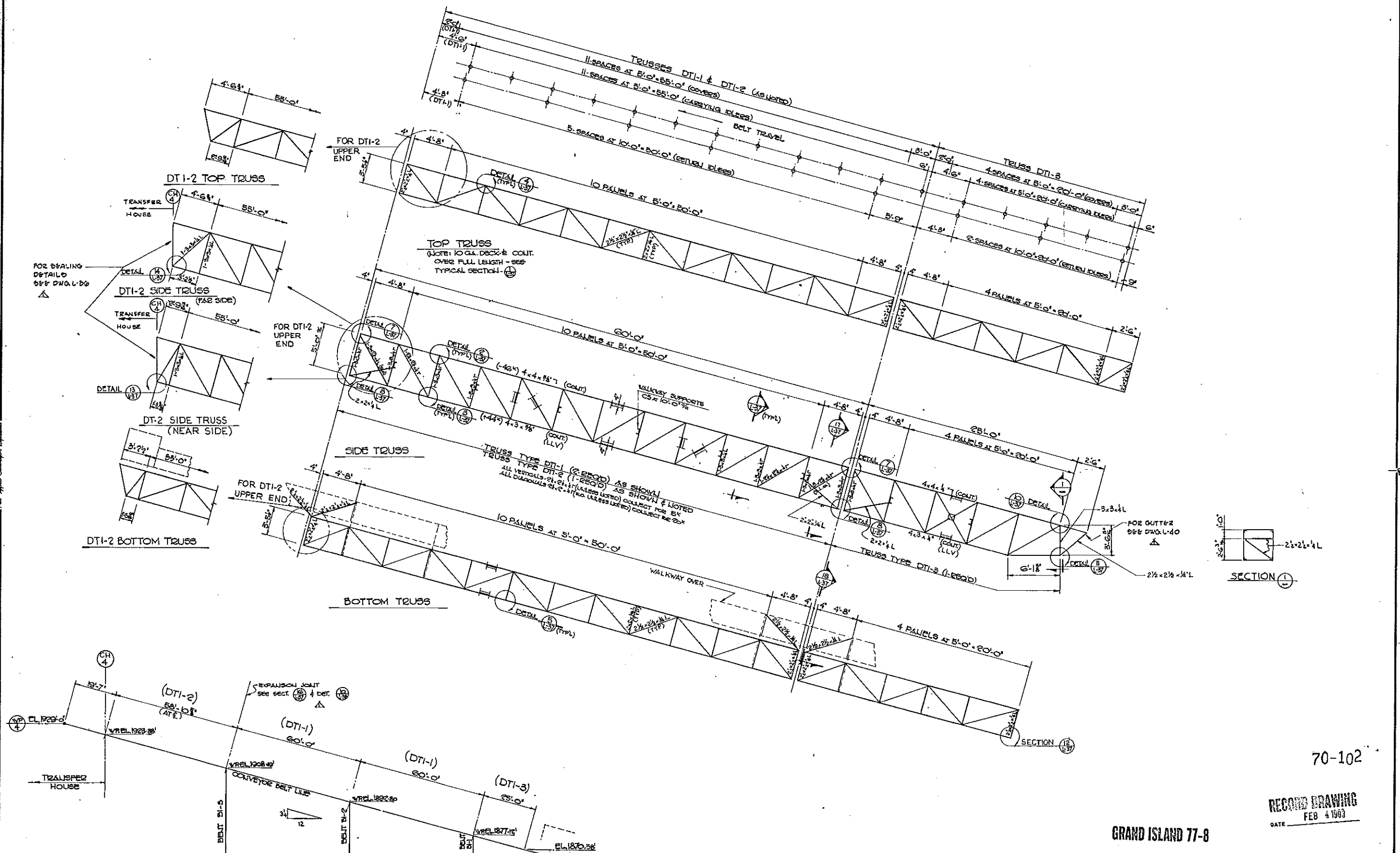
LOSS CONTRACT NUMBER 77-258

SYMBOL	REVISION	DATE	BY	CHKD	TITLE
△	DM. TO TUBEL FACES ADDED	4/27/79	S.L.		CONVEYOR - ELEVATIONS
△	ANCH. BOLT DETAILS REVISED AS NOTED	5/27/79	J.G.Q.		CONVEYORS 1 AND 2
△	ADDED ANCH. BOLT DATA, SEE	6/25/79	J.G.Q.		COAL HANDLING SYSTEM — CITY OF GRAND ISLAND
△	ALTER ANCHOR BOLT PROJECT	6/27/79	J.G.Q.		PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA

NOTICE — Mid-West Conveyor — Subsidiary of Conerigs Corporation assumes no responsibility for the design or operation of any structure or material shown in this drawing but is authorized by us under the contract in which this drawing appears. This price is based on the contract and does not include the cost of any material or labor that is not shown in this drawing.

DESIGNED BY: KRISHNIA
CHECKED BY: J.G.Q.
DATE: MARCH 1979

SCALE: 1/2" = 1'-0"
JOB NO.: 78-7022
SHEET: LS 4



70-102

RECORD DRAWING
DATE FEB 4 1983

GRAND ISLAND 77-8

JUL 24 1981 CONSULTING ENGINEERS - LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF CONERGIS CORPORATION
KANSAS CITY - KANSAS

LDAS
CONTRACT
NUMBER
77-8-201

TITLE: 80' TRANSFER CONVEYOR UP
DECK TRUSSES - STRUCTURAL

COAL HANDLING SYSTEM - CITY OF GRAND ISLAND
PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA

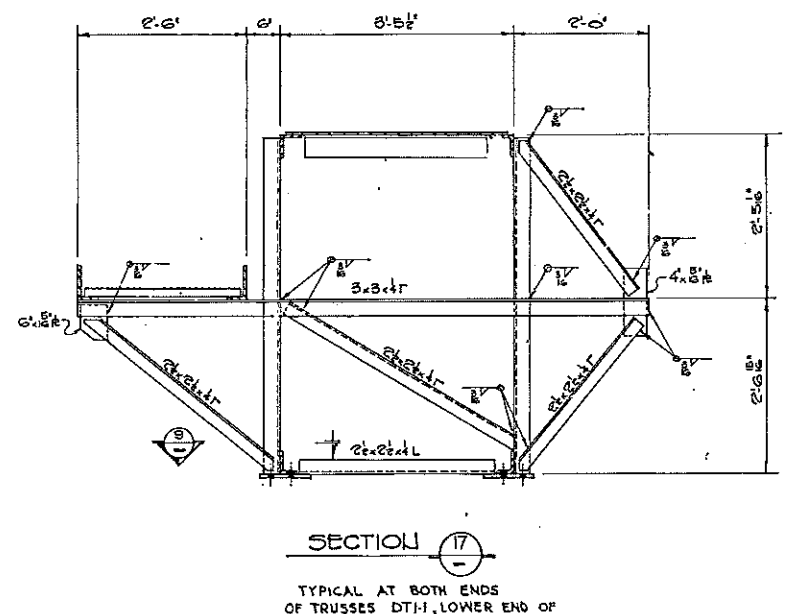
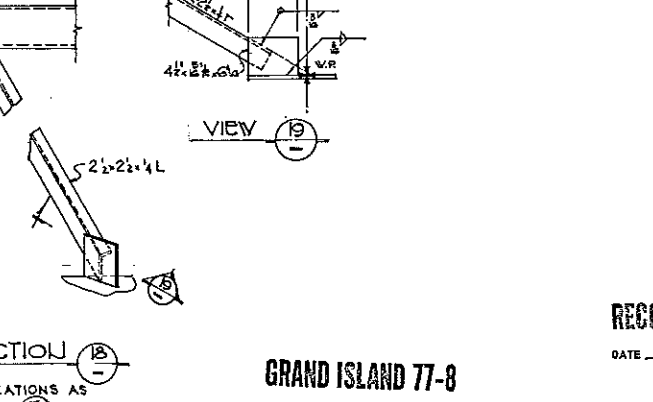
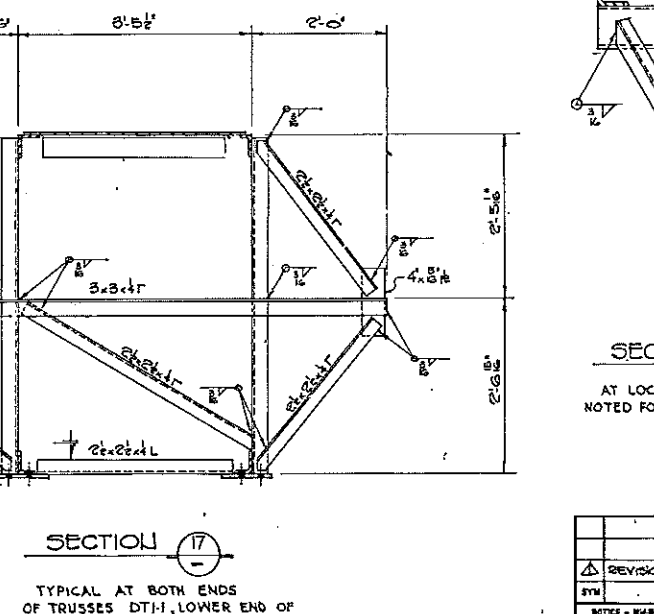
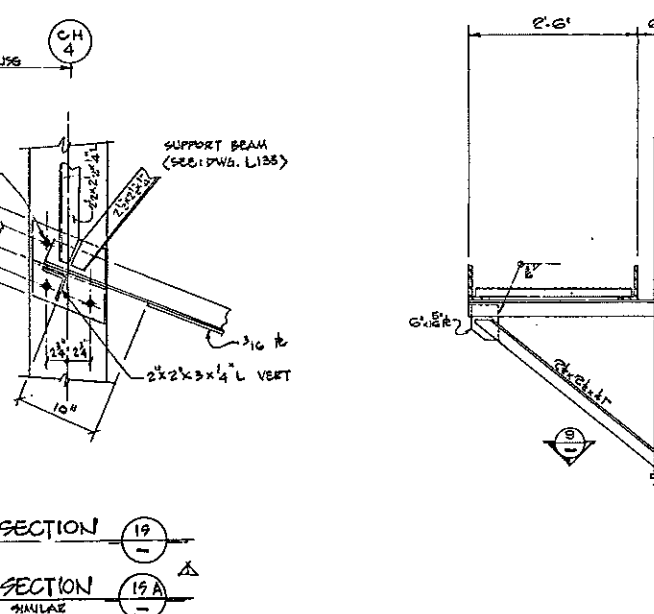
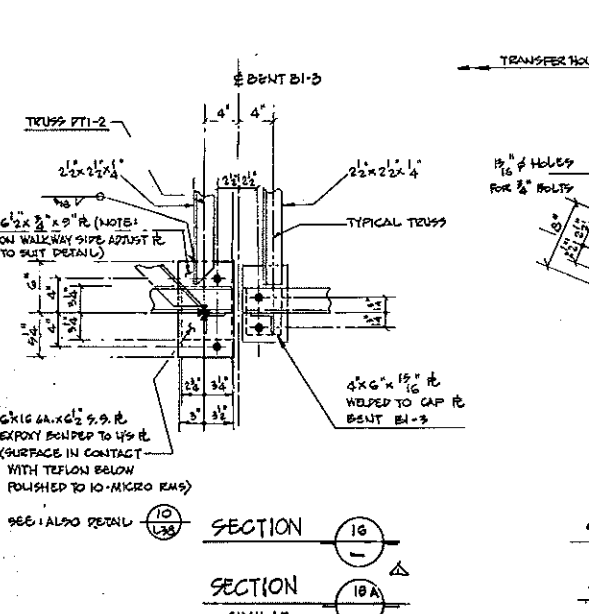
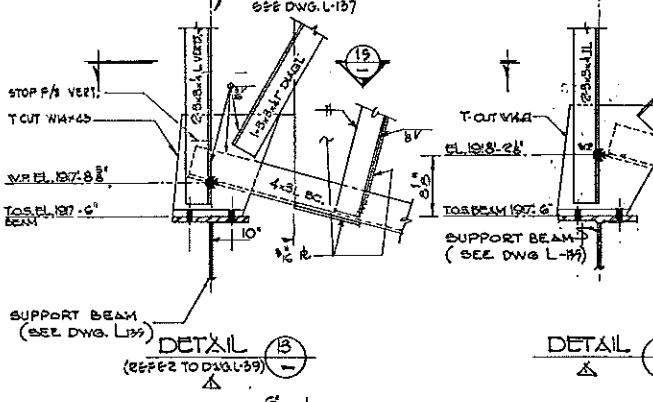
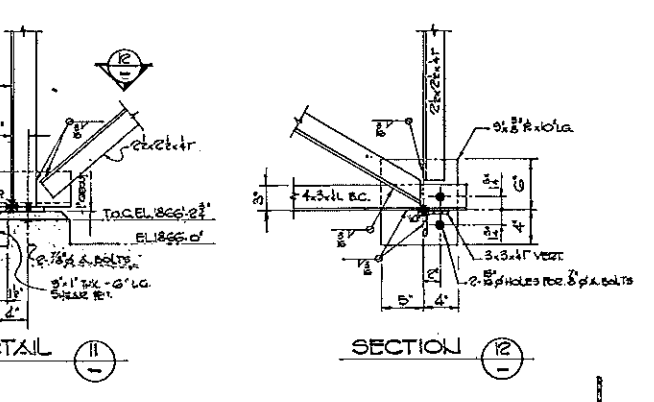
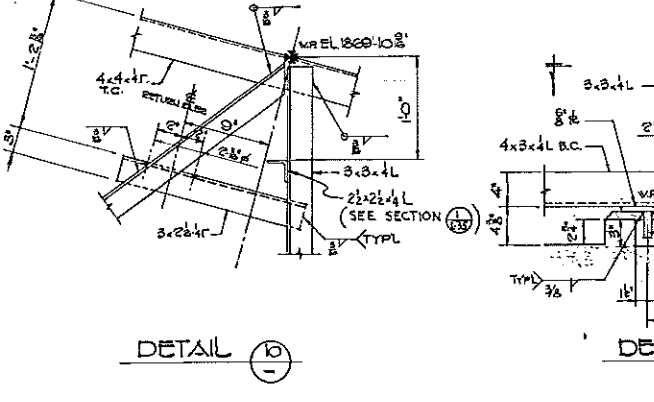
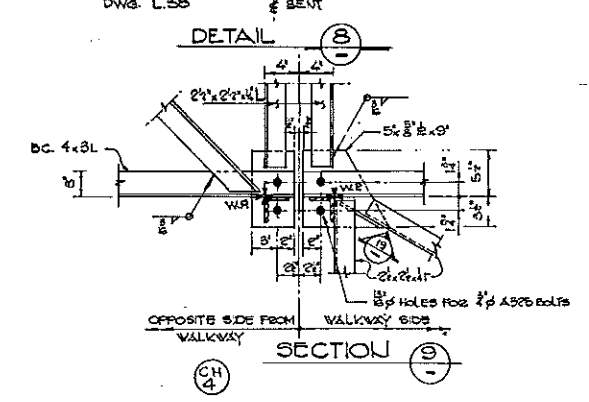
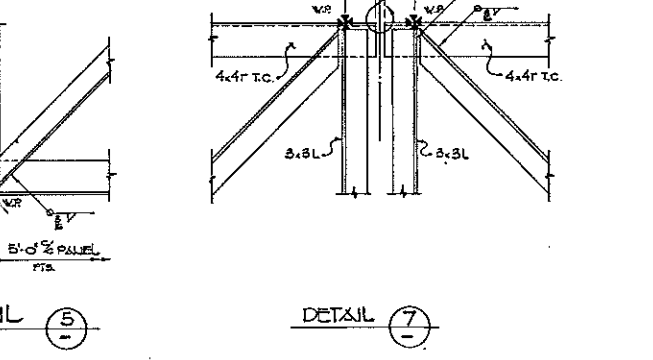
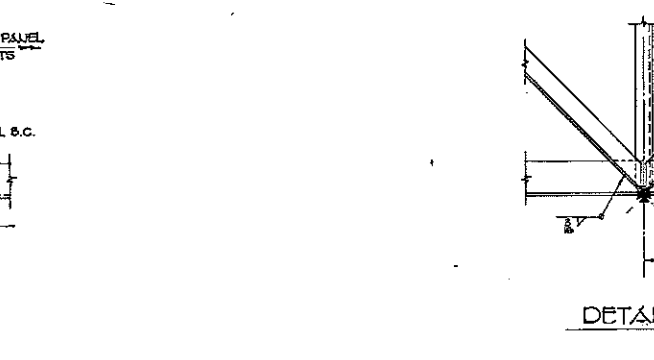
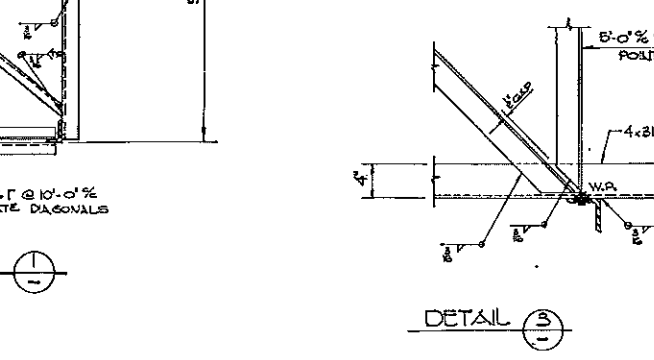
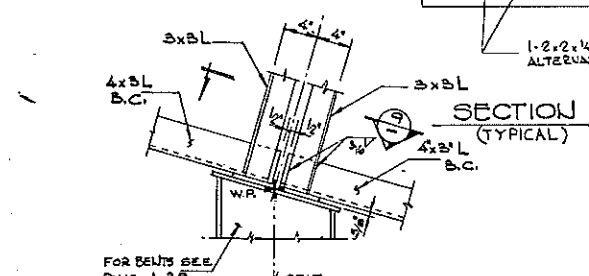
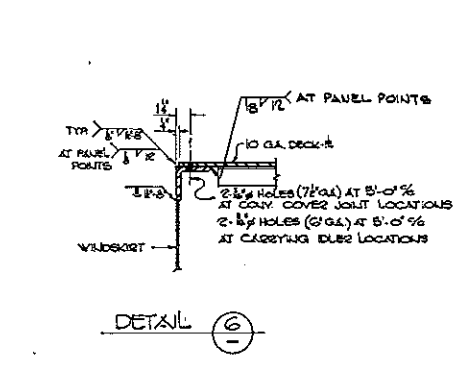
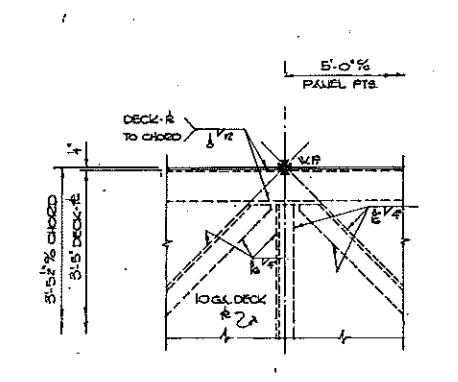
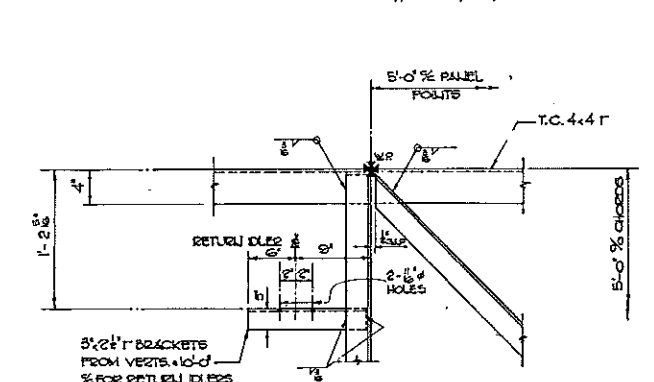
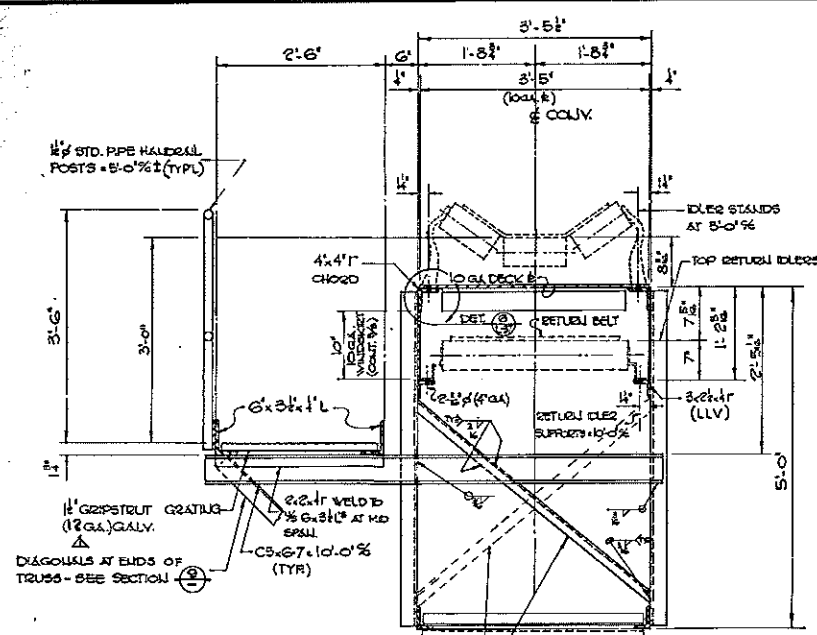
REVISION	DATE	BY	CHKD
REVISIONS AS NOTED	JUL 23 81	GEB	
BYM			

NOTICE - Mid-West Conveyor - Subsidiary of Conergis Corporation assumes no responsibility for the design or operation of any structure or material shown on this drawing but will be retained by the contractor to which this drawing applies. This work is licensed subject to terms and conditions and upon the approval condition that it is not to be used directly or indirectly in any way detrimental to us.

DESIGNED BY: R. KRISHNA
CHECKED BY: STEVEN J. LUTZ
DATE: Feb., '79
DATE: APRIL '79

NOTE - VR EL. AT 6' BELT

KEY ELEVATION

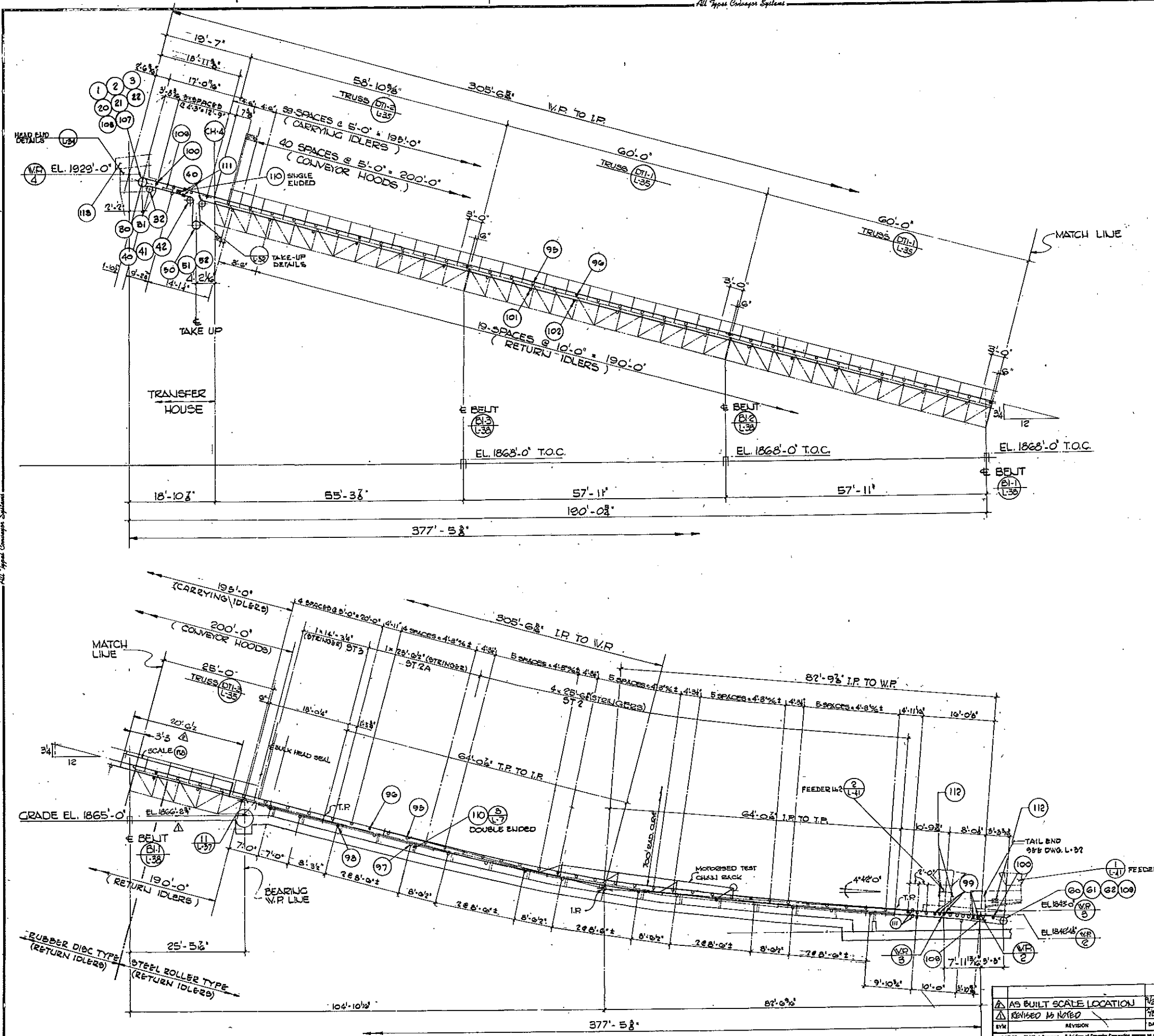


70-103
 RECORD DRAWING
 DATE FEB 4 1983

GRAND ISLAND 77-8
 JUL 24 1981
 CONSULTING ENGINEERS - LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
 SUBSIDIARY OF CONERGIS CORPORATION
 KANSAS CITY - KANSAS

TITLE		30' TRANSFER CONVEYOR #1	
DECK TRUSSES-STRUCTURAL DETAILS		COAL HANDLING SYSTEM - CITY OF GRAND ISLAND	
PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA		REV. NO. SHEET	
BY	DATE	BY	DATE
P. KRISHNA	FEB 1979	G. E. B.	JULY 79
SCALE	1/2" = 1'-0"	DATE	FEB 1979
NOTES - Mid-West Conveyor - Subsidiary of Conergis Corporation assumes no responsibility for the design or operation of any structure or material shown on this drawing but will honor any order for material or work under the contract for which this drawing applies. This work is licensed under the terms of the contract and shall be used only for the project and for the use of the client.		78-7022 L-27 1	



DESIGN DATA	
NATURAL COAL	WT. PER CU. FT. 80
BELT SIZE 24" X 0'	TEMP. 70
BELT SPEED ACTUAL	30
DRIVE MECHANICAL COMPONENTS	
NO. 1 MOTOR W/FA. SIEMENS ALLIS	HP. 100 RPM. 1770
NO. 2 MOTOR W/FA. SIEMENS ALLIS	HP. 100 RPM. 1770
BELT CONVEYOR MECHANICAL COMPONENTS	
PULLEY LIST	
SHAFTING LIST	
BEARING LIST	
IDLER LIST	
BELTING	
ACCESSORIES	

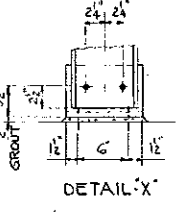
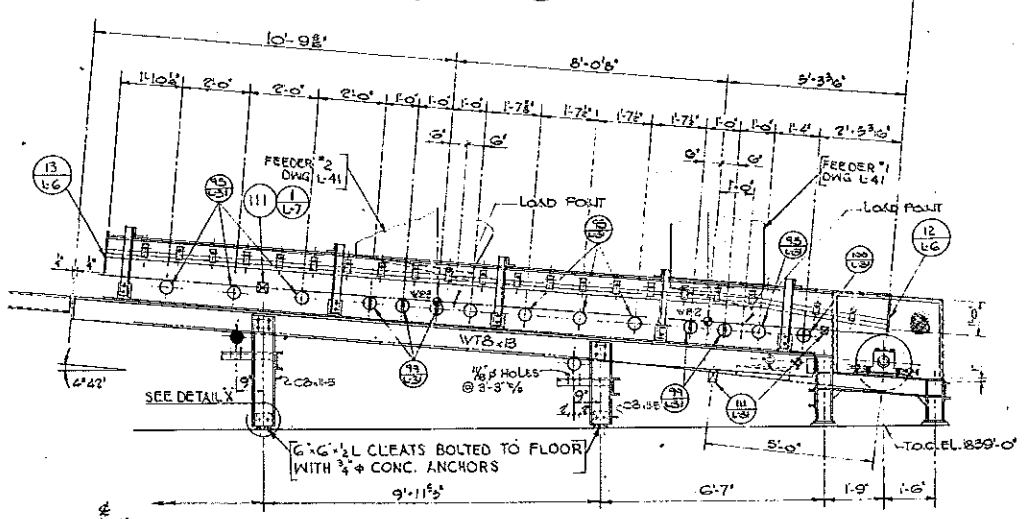
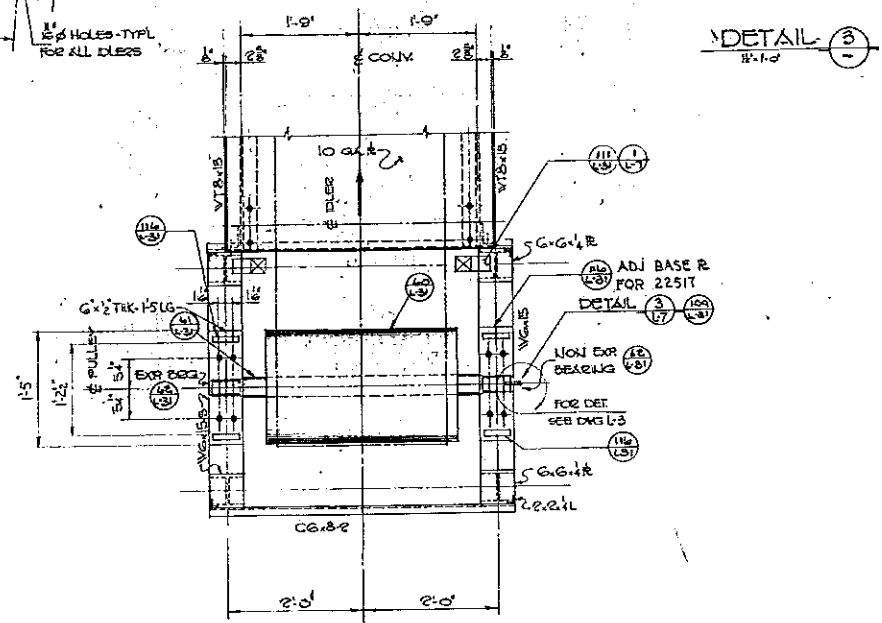
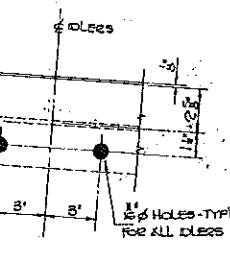
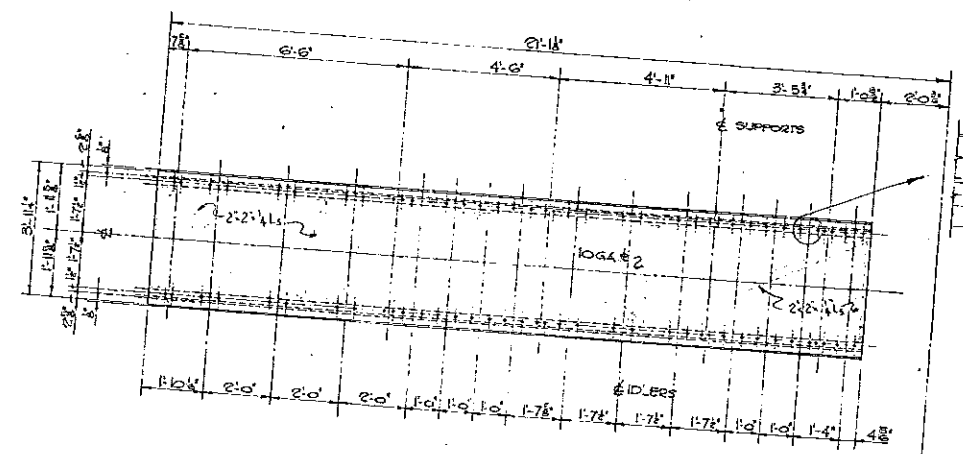
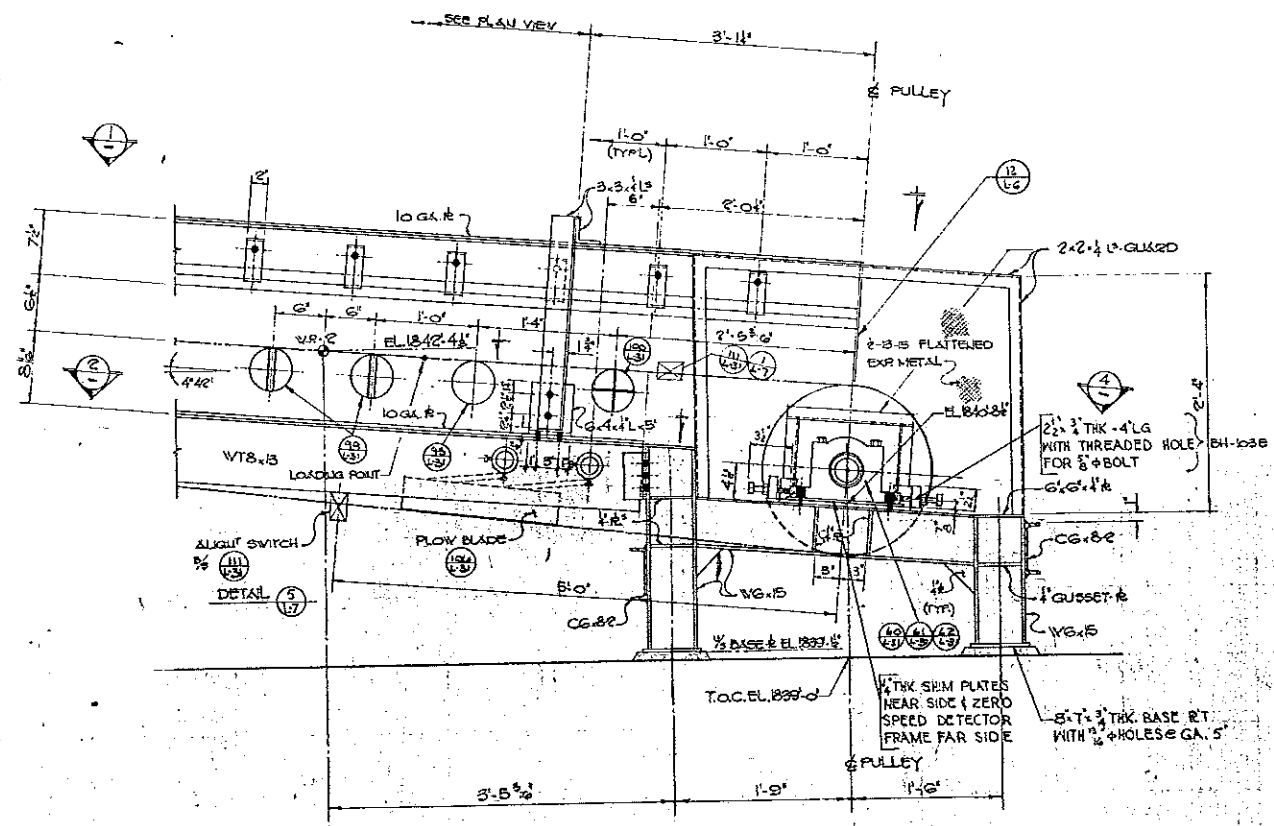
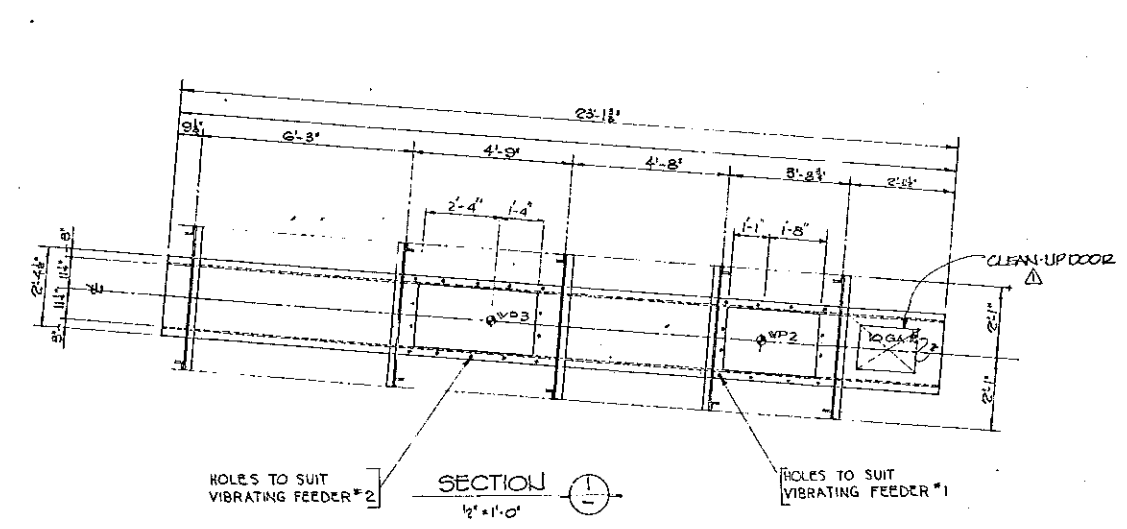
- REFERENCE DWGS.
- L-82 TAIL END AND LOADER DETAIL
 - L-83 HEAD END AND TAKE-UP DETAILS
 - L-84 HEAD END DETAILS
 - L-41 VIBRATING FEEDER DETAIL

CONSULTING ENGINEERS — LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF COHERGICS CORPORATION
KANSAS CITY — KANSAS

30' TRANSFER CONVEYOR NO. 1
GENERAL ARRANGEMENT
COAL HANDLING SYSTEM — CITY OF GRAND ISLAND
PLATE GENERATING STATION #1, GRAND ISLAND, NEBRASKA

DATE FEB. 73
SCALE 1/8" = 1'-0"



ELEVATION OF TAIL END AND SKIRT BOARD
30' CONVEYOR NO. 1
1/2 x 1'-0"

DRAWING ISSUED FOR

- CONSTRUCTION
- CUSTOMER APPROVAL
- DETAILS
- DESIGNATION
- REFERENCE
- INFORMATION
- FINAL DISTRIBUTION

70-1061

GRAND ISLAND 71-8

LUTZ, DAILY & BRAIN
Consulting Engineers
SHAWNEE MISSOURI, KANSAS

APR. 02. 1980

MID-WEST CONVEYOR CO., INC.

FEB 21 1980

CONSULTING ENGINEERS — LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF CONERGICS CORPORATION
KANSAS CITY, KANSAS

LD 48
CONTRACT NUMBER
77-8-28A

30' TRANSFER CONVEYOR LIST 1
TAIL END AND LOADER DETAILS

COAL HANDLING SYSTEM — CITY OF GRAND ISLAND
PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA

SYN	REVISION	DATE	BY	CRD
	CLEANUP CORR ADDED	4/4/80		

NOTICE — Mid-West Conveyor — Subsidiary of Conergics Corporation assumes no responsibility for the design or operation of any structure or material shown on this drawing unless specifically stated on the drawing or contract. This project is licensed subject to terms set forth on drawings and upon the agreement conditions that it is not to be used directly or indirectly in any way detrimental to our interest.

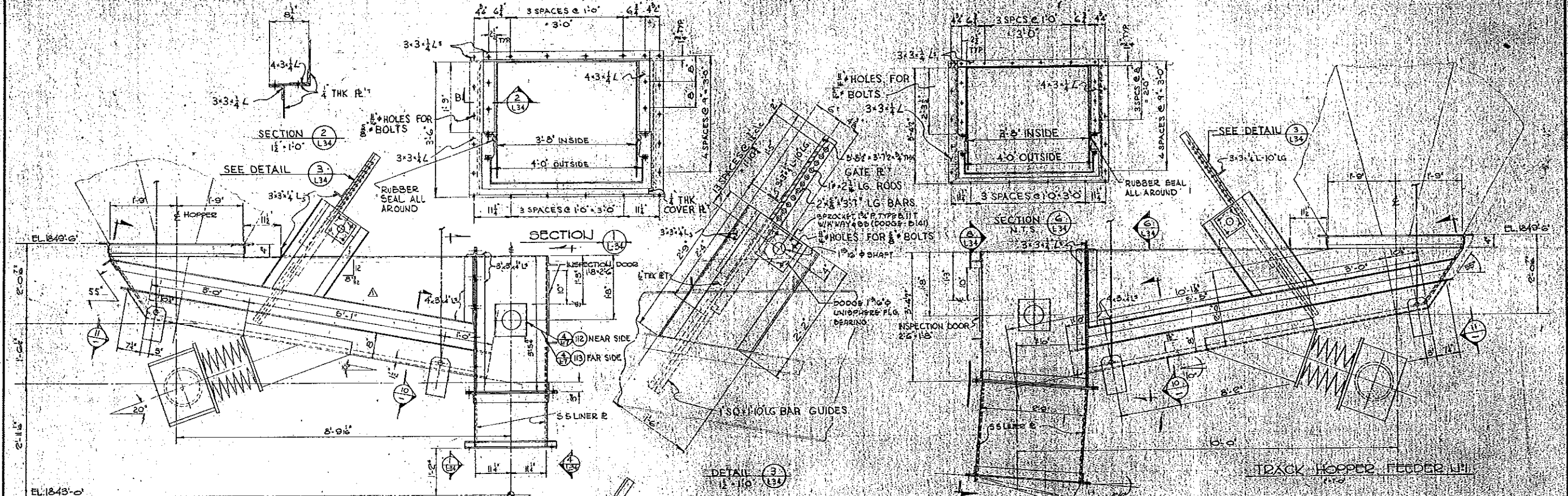
SCALE: 1/4" = 1'-0"

DATE: APRIL 1979

DATE: JUNE 1979

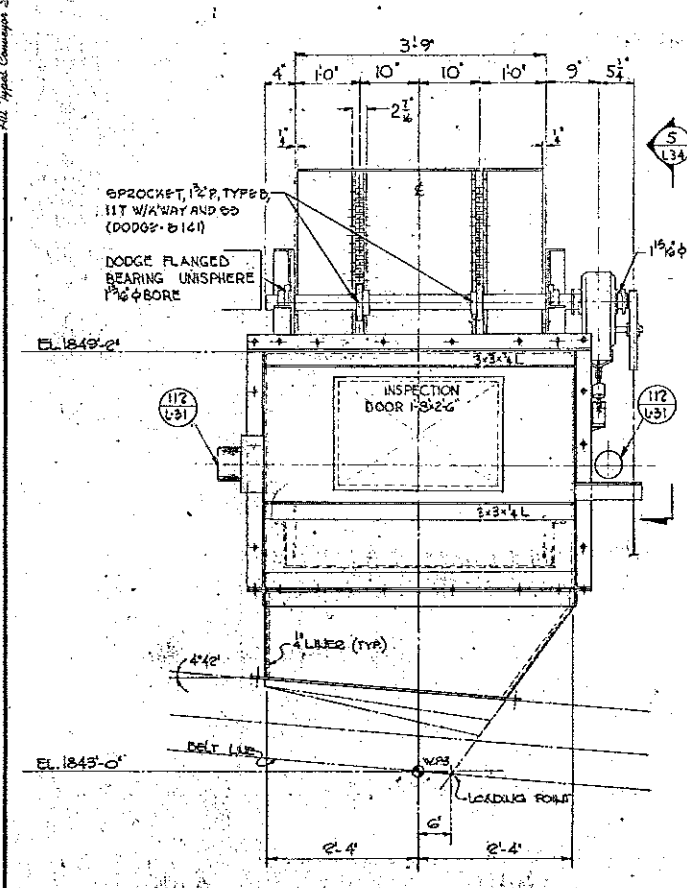
78-7022

L-32

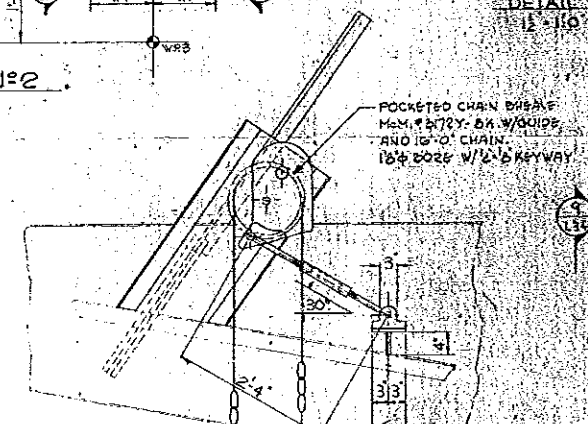


TRACK HOPPER FEEDER N#2

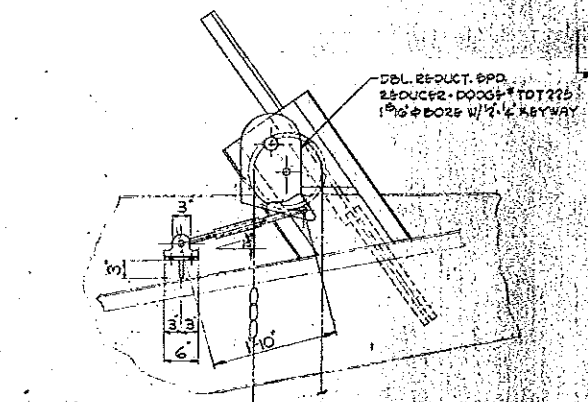
TRACK HOPPER FEEDER N#1



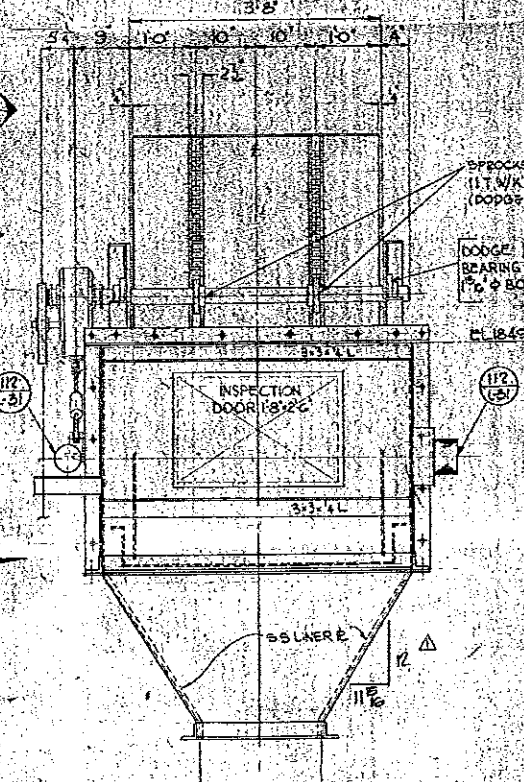
ELEVATION 4



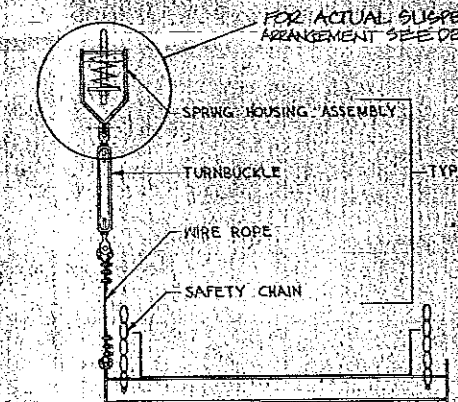
SECTION 9



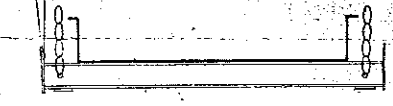
SECTION 5



ELEVATION 8



SECTION 10



SECTION 11

LUTZ DAILY & BRAIN
 CONSULTING ENGINEERS
 1800 EAST 15TH AVENUE
 KANSAS CITY, MISSOURI 64108
 APR 24 1980

DRAWING ISSUED FOR
 CONSTRUCTION
 CUSTOMER APPROVAL
 DETAILING
 FABRICATION
 REVISIONS
 MODIFICATION
 FINAL ASSEMBLY
 70-804
 FEB 20 1980
 MID-WEST CONVEYOR CO.
 CO., LTD.

FEB 21 1980
GRAND ISLAND 77-8
 CONSULTING ENGINEERS - LUTZ DAILY & BRAIN
MID-WEST CONVEYOR CO., INC.
 SUBSIDIARY OF CONROG'S CORPORATION
 KANSAS CITY, KANSAS
 307 TRANSFER CONVEYOR CO.
 VIBRATING FEEDER DETAILS
 COAL HANDLING SYSTEM - CITY OF GRAND ISLAND
 PLATE GENERATING STATION #1, GRAND ISLAND, NEBRASKA
 R. KRISHNA P. MARTEL
 AS SUPV. APR 22 1980

REVISION	DATE	BY	CHKD
1			
2			
3			
4			
5			

MOTOR DATA SHEET

70-1220

Motor Application Conveyors 1 and 3

Motor Model RGZZ-405TS Motor Serial EL-1-5109-13789-1

HP 100 Service Factor 1.0

Full Load Speed, rpm 1770 Full Load Current at 1.0 113

Service Factor, amps 113

Locked Rotor Current, amps 725 Volts 460

Phases 3 Frequency, Hz 60

Insulation Class B Temperature Rise, C 80°

Motor and Load Combined Acceleration Time, sec:
At full voltage * Later

At minimum starting voltage * Later

Bearing Type Ball Enclosure Type XP

Motor Weight 1305 lbs.

GRAND ISLAND 77-8

Additional information required for motors larger than 150 hp:

Efficiency: Load 50% 92 75% 93 100% 93

Power Factor: Load 50% 83 75% 88 100% 89.5

Minimum Starting Voltage N/A Safe Stall Time 29 sec. cold
17 sec. hot

Frequency of Starts 2 cold, 1 hot/hr. Rotation _____

Current Transformer Ratio N/A

Thermocouples: Bearings Number _____ Type _____

Stator Number _____ Type _____

Motor Winding RTD's: Number _____ Resistance _____

Space Heaters: Voltage 115 Wattage 240

Critical Speed for motors rated 3500 HP or larger, rpm _____

CITY OF GRAND ISLAND LUTZ, DAILY & BRAIN Contract No. _____
Grand Island, Nebraska Consulting Engineers Sheet of _____

CERTIFICATION

CUSTOMER MIDWEST CONVEYOR COMPANY, INC.

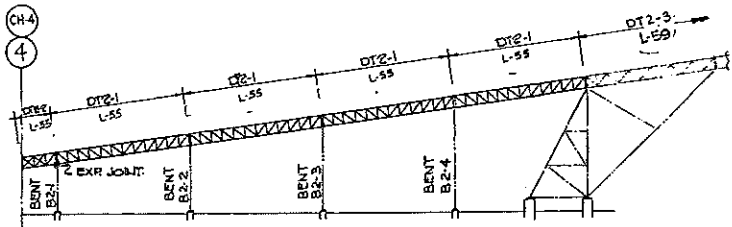
P.O. 9274

S.O. EL13789

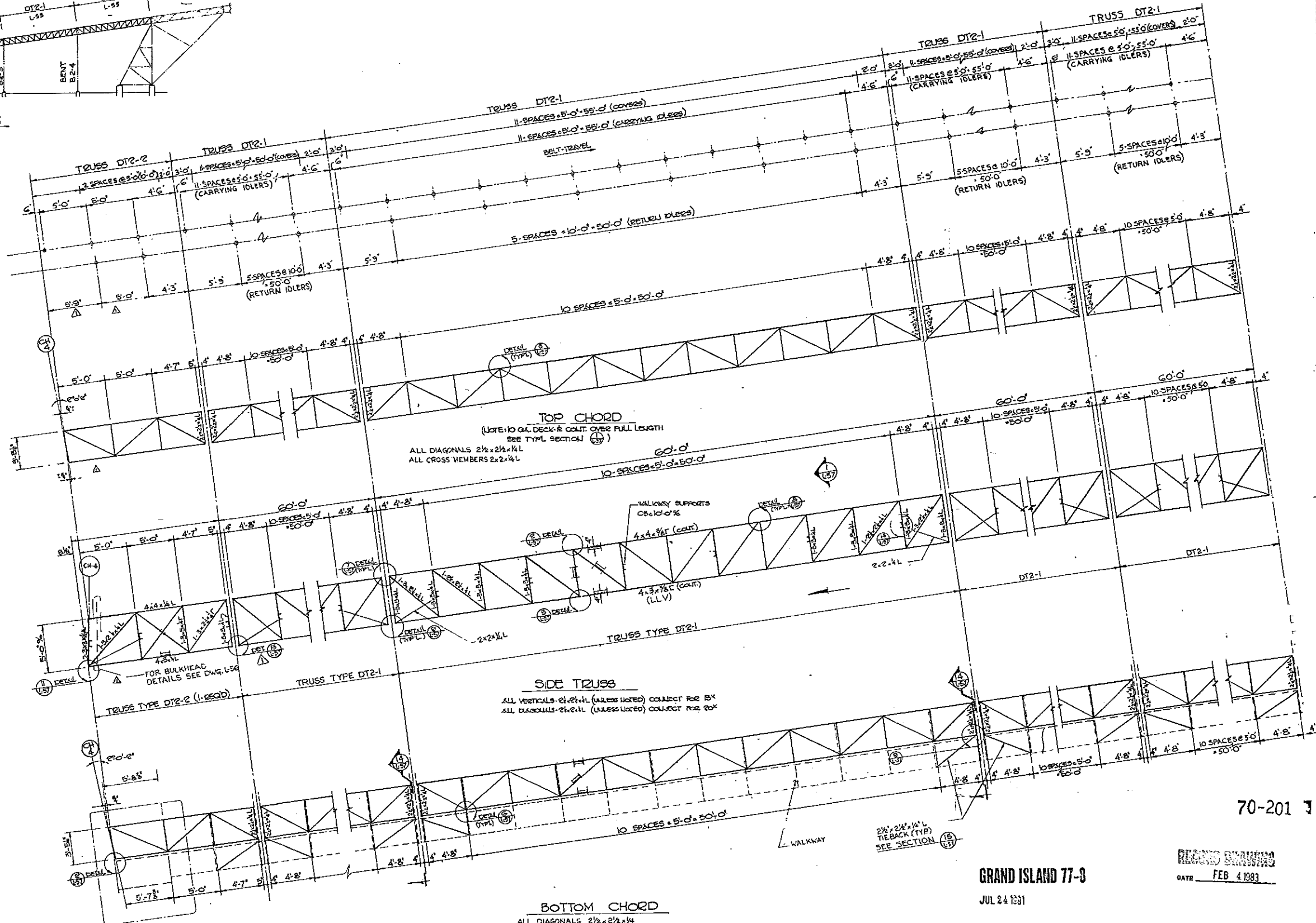
Signed William H. Partridge Page 25 of 32

APR 02 1979

* Require speed/torque curve of driven equipment to calculate



KEY ELEVATION



TOP CHORD
 (NOTE: NO GA. DECK IS COLT OVER FULL LENGTH)
 ALL DIAGONALS 2 1/2 x 2 1/4 x 1/4 L
 ALL CROSS MEMBERS 2 x 2 x 1/4 L

SIDE TRUSS
 ALL VERTICALS 2x2x1/4 L (UNLESS NOTED) COLLECT FOR BX
 ALL DIAGONALS 2x2x1/4 L (UNLESS NOTED) COLLECT FOR BX

BOTTOM CHORD
 ALL DIAGONALS 2 1/2 x 2 1/4 x 1/4 L
 CROSS MEMBERS 2 x 2 x 1/4 L

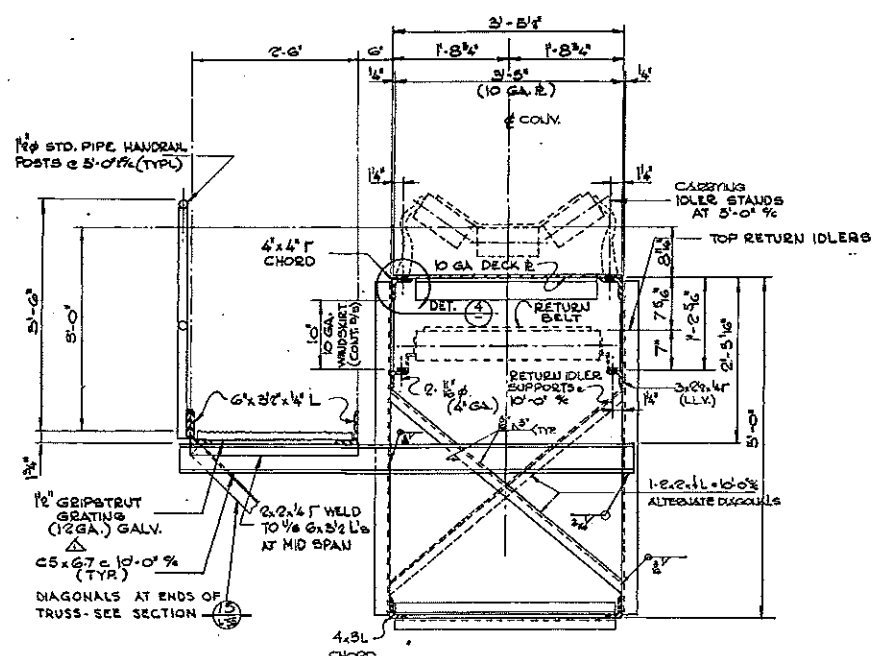
70-201 3

GRAND ISLAND 77-3
 JUL 24 1971

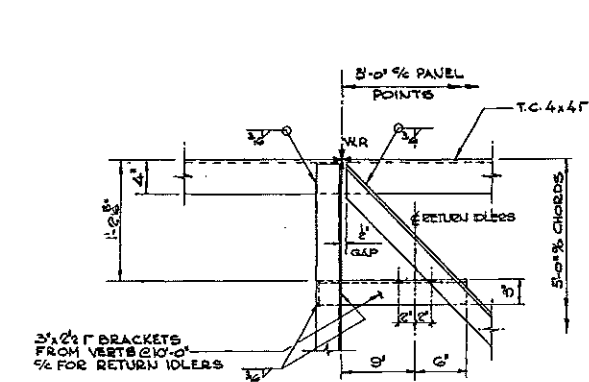
RECORD DRAWING
 DATE FEB 4 1983

CONSULTING ENGINEERS — LUTZ DAILY & BRAIN
MID-WEST CONVEYOR CO., INC.
 SUBSIDIARY OF CONERGICS CORPORATION
 KANSAS CITY — KANSAS

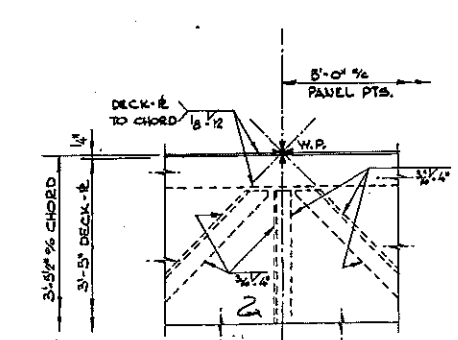
TITLE		30' STOCKOUT CONVEYOR L#2	
SUBJECT		DECK TRUSSES - STRUCTURAL	
PROJECT		COAL HANDLING SYSTEM — CITY OF GRAND ISLAND	
LOCATION		PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA	
DATE	BY	DATE	BY
FEB 1971	VKA	APRIL 1973	VKA
SCALE	1" = 4'-0"	DATE	FEB. 1973
DATE	APRIL 1973	FILE NO.	78-7022
REV.	1	REV.	L-55



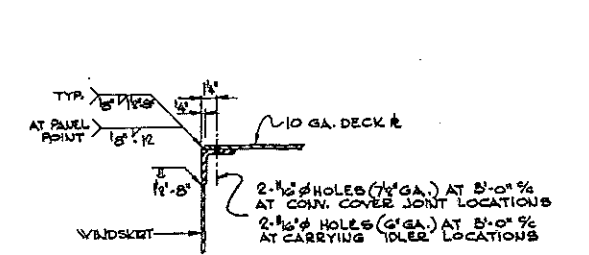
SECTION (TYPICAL)



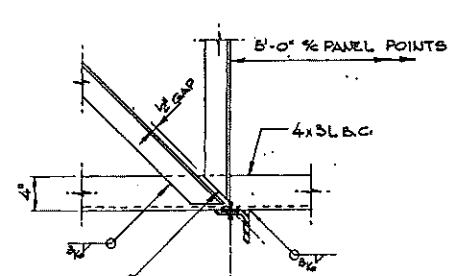
DETAIL 2



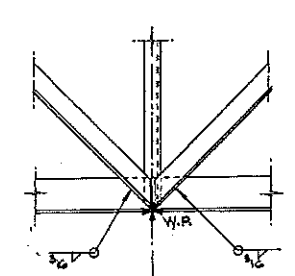
DETAIL 3



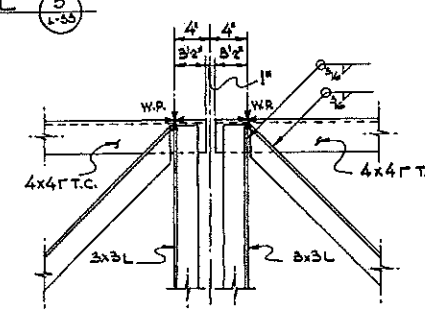
DETAIL 4



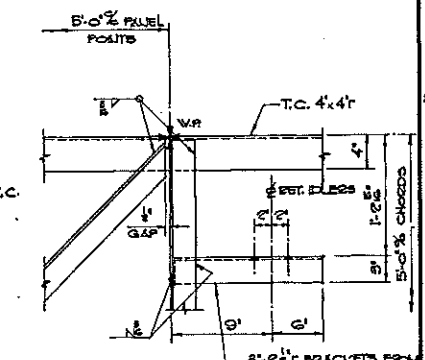
DETAIL 5



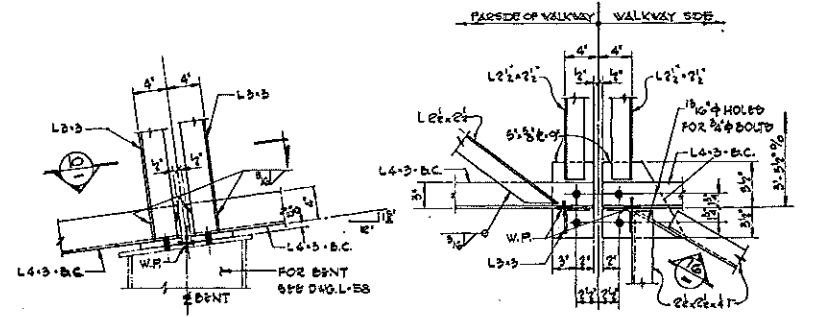
DETAIL 6



DETAIL 7

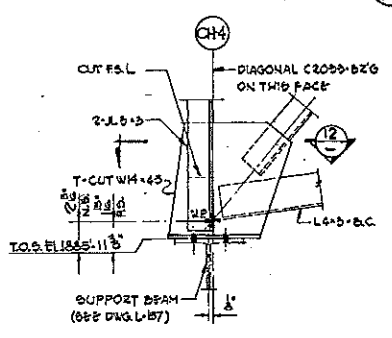


DETAIL 8

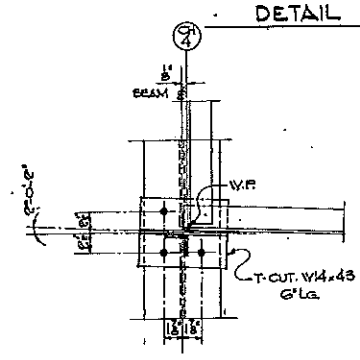


DETAIL 9

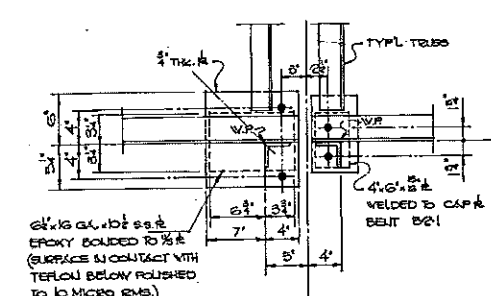
SECTION 10



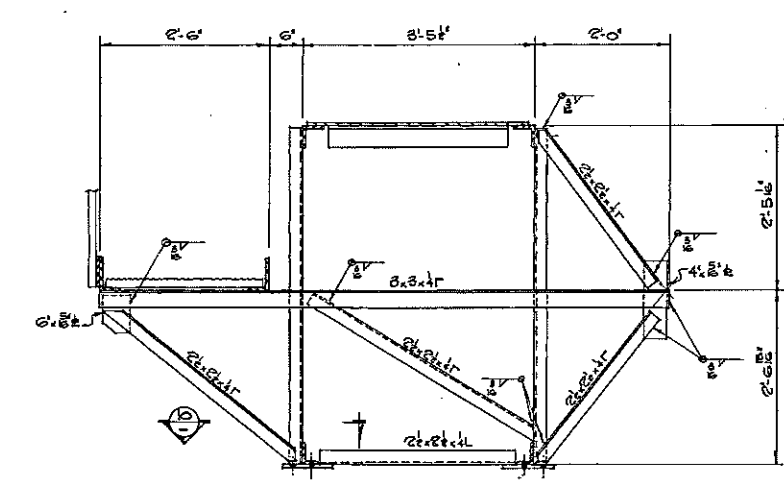
DETAIL 11



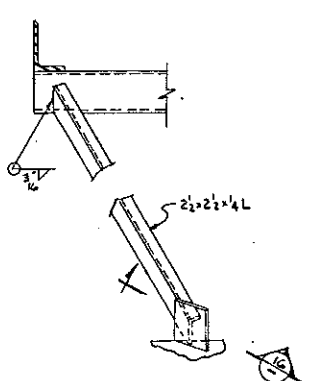
SECTION 12



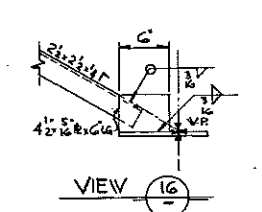
DETAIL 13



SECTION 14



SECTION 15



VIEW 16

70-202 1

RECORD DRAWING
DATE FEB 4 1983

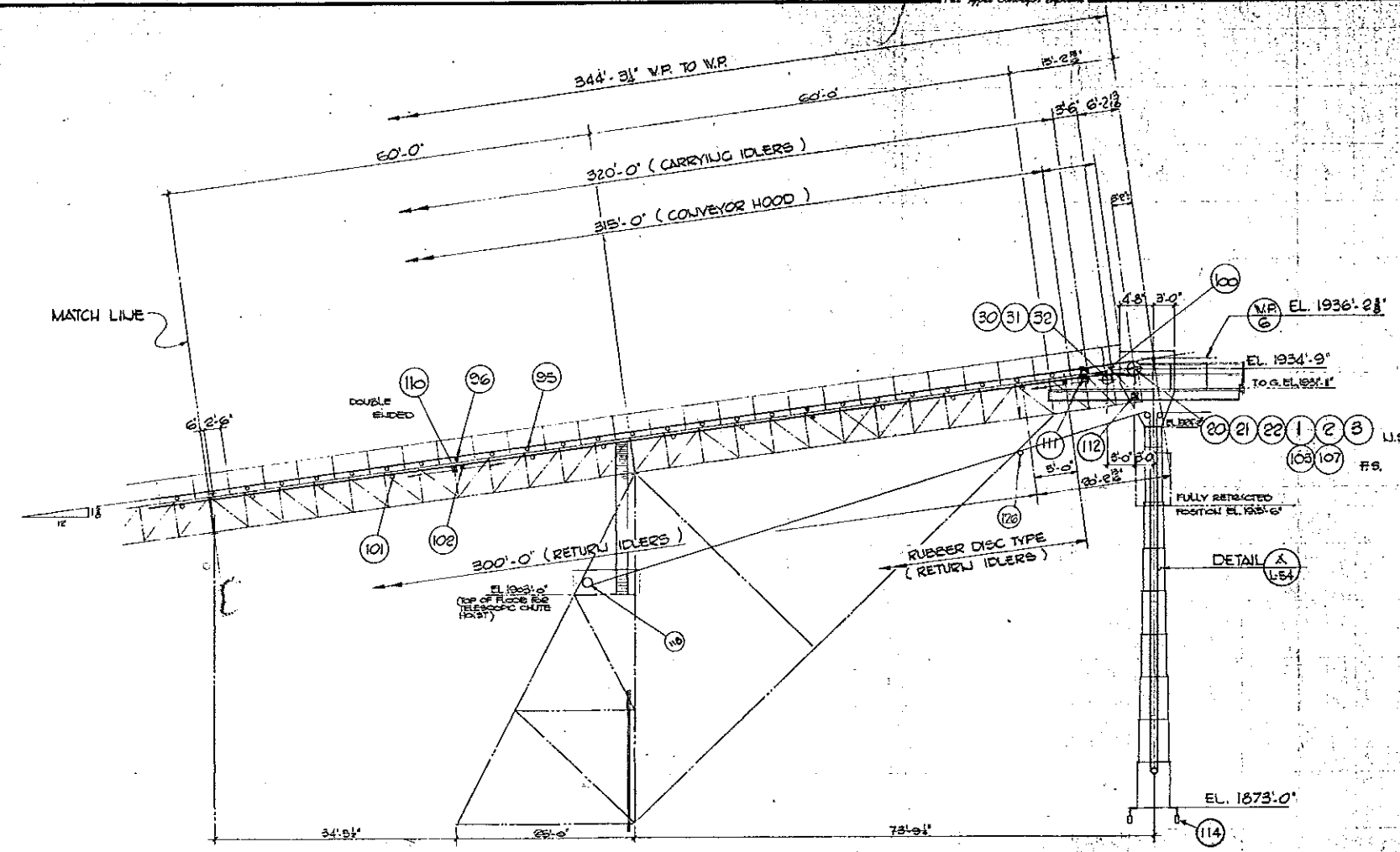
GRAND ISLAND 77-9

JUL 24 1981

CONSULTING ENGINEERS - LUTZ DAILY & BRAIN

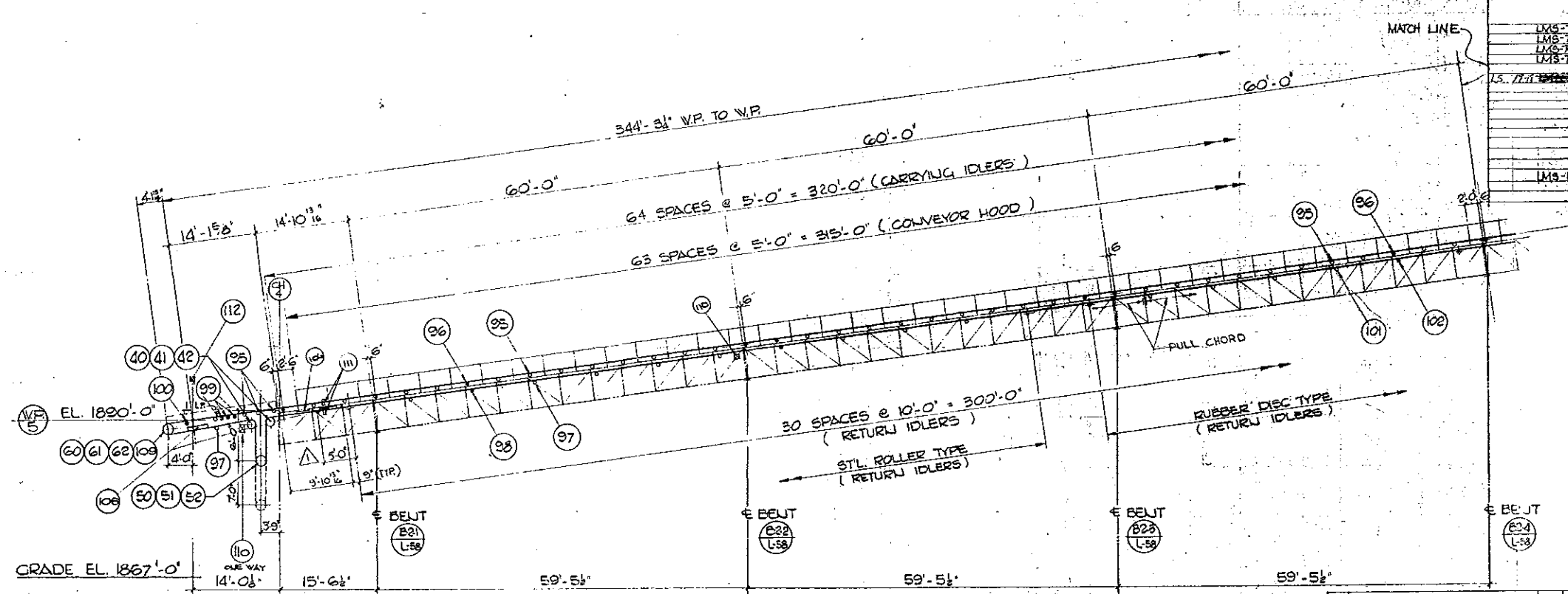
MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF CONERGIS CORPORATION
KANSAS CITY - KANSAS

TITLE		80' STOCKOUT CONVEYOR W/2E		L.D.B.	
REVISIONS		DECK TRUSSES - STRUCTURAL DETAILS		CONTRACT NUMBER	
COAL HANDLING SYSTEM - CITY OF GRAND ISLAND		PLATTE GENERATING STATION #1, GRAND ISLAND, NEBRASKA		77-4-26A	
DATE	BY	DATE	BY	DATE	BY
APR 1978	J. FRAGLIA	APR 1978	V.J.A.	78-7022	L-57
NOTICE - Mid-West Conveyor - Subsidiary of Conergis Corporation assumes no responsibility for the design or operation of any structure or equipment shown on this drawing that was not prepared by or under the contract to which this drawing applies. This print is issued subject to terms and conditions and upon the agreement condition that it is not to be used directly or indirectly in any way not intended by our engineer.		SCALE	1 1/2" = 1'-0"	DATE	APR 1978



DESIGN DATA																																																																																																																																
MATERIAL: COAL																																																																																																																																
SPEED: ACTUAL 175 RPM																																																																																																																																
DRIVE MECHANICAL COMPONENTS																																																																																																																																
<table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>QTY</th> <th>UNIT</th> <th>MANUFACTURER</th> <th>MODEL</th> <th>DATE</th> <th>REV.</th> <th>P.O. NO.</th> </tr> <tr> <td>1</td> <td>DRIVE MOTOR</td> <td>1</td> <td>HP</td> <td>WESTINGHOUSE</td> <td>200</td> <td>1/79</td> <td></td> <td>9274</td> </tr> <tr> <td>2</td> <td>DRIVE SHAFT</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>3</td> <td>DRIVE PULLEY</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>4</td> <td>DRIVE BEARING</td> <td>2</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>5</td> <td>DRIVE BRACKET</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>6</td> <td>DRIVE HOUSING</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>7</td> <td>DRIVE SHAFT</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>8</td> <td>DRIVE PULLEY</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>9</td> <td>DRIVE BEARING</td> <td>2</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>10</td> <td>DRIVE BRACKET</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>11</td> <td>DRIVE HOUSING</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> <tr> <td>12</td> <td>DRIVE SHAFT</td> <td>1</td> <td>INCH</td> <td>GENERAL</td> <td>1/2"</td> <td>1/79</td> <td></td> <td>9281</td> </tr> </table>												NO.	DESCRIPTION	QTY	UNIT	MANUFACTURER	MODEL	DATE	REV.	P.O. NO.	1	DRIVE MOTOR	1	HP	WESTINGHOUSE	200	1/79		9274	2	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281	3	DRIVE PULLEY	1	INCH	GENERAL	1/2"	1/79		9281	4	DRIVE BEARING	2	INCH	GENERAL	1/2"	1/79		9281	5	DRIVE BRACKET	1	INCH	GENERAL	1/2"	1/79		9281	6	DRIVE HOUSING	1	INCH	GENERAL	1/2"	1/79		9281	7	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281	8	DRIVE PULLEY	1	INCH	GENERAL	1/2"	1/79		9281	9	DRIVE BEARING	2	INCH	GENERAL	1/2"	1/79		9281	10	DRIVE BRACKET	1	INCH	GENERAL	1/2"	1/79		9281	11	DRIVE HOUSING	1	INCH	GENERAL	1/2"	1/79		9281	12	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281
NO.	DESCRIPTION	QTY	UNIT	MANUFACTURER	MODEL	DATE	REV.	P.O. NO.																																																																																																																								
1	DRIVE MOTOR	1	HP	WESTINGHOUSE	200	1/79		9274																																																																																																																								
2	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
3	DRIVE PULLEY	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
4	DRIVE BEARING	2	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
5	DRIVE BRACKET	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
6	DRIVE HOUSING	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
7	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
8	DRIVE PULLEY	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
9	DRIVE BEARING	2	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
10	DRIVE BRACKET	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
11	DRIVE HOUSING	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
12	DRIVE SHAFT	1	INCH	GENERAL	1/2"	1/79		9281																																																																																																																								
BELT CONVEYOR MECHANICAL COMPONENTS																																																																																																																																
PULLEY LIST																																																																																																																																
SHAFING LIST																																																																																																																																
BEARING LIST																																																																																																																																
IDLER LIST																																																																																																																																
BELTING																																																																																																																																
ACCESSORIES																																																																																																																																

All Types Conveyor Systems



ORDER TAG NOS

LMS-71	MARLAND ONE-WAY AUTOMATIC BACKSTOP	1	PC	9256
LMS-72	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-73	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-74	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-75	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-76	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-77	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-78	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-79	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-80	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-81	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-82	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-83	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-84	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-85	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-86	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-87	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-88	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-89	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-90	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-91	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-92	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-93	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-94	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-95	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-96	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-97	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-98	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-99	MARLAND TAIL PROTECTION V PLANS	1	PC	9257
LMS-100	MARLAND TAIL PROTECTION V PLANS	1	PC	9257

REFERENCE DVGS.
L-52 TAIL END LOADER DETAILS
L-53 HEAD END DETAILS
L-54 TELESCOPIC CHUTE DETAILS

RECORD DRAWING
DATE 2-4-79

LUTZ, DAILY & BRAIN
Consulting Engineers
301 N. 10TH ST. WICHITA, KS 67202

GRAND ISLAND 77-9

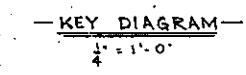
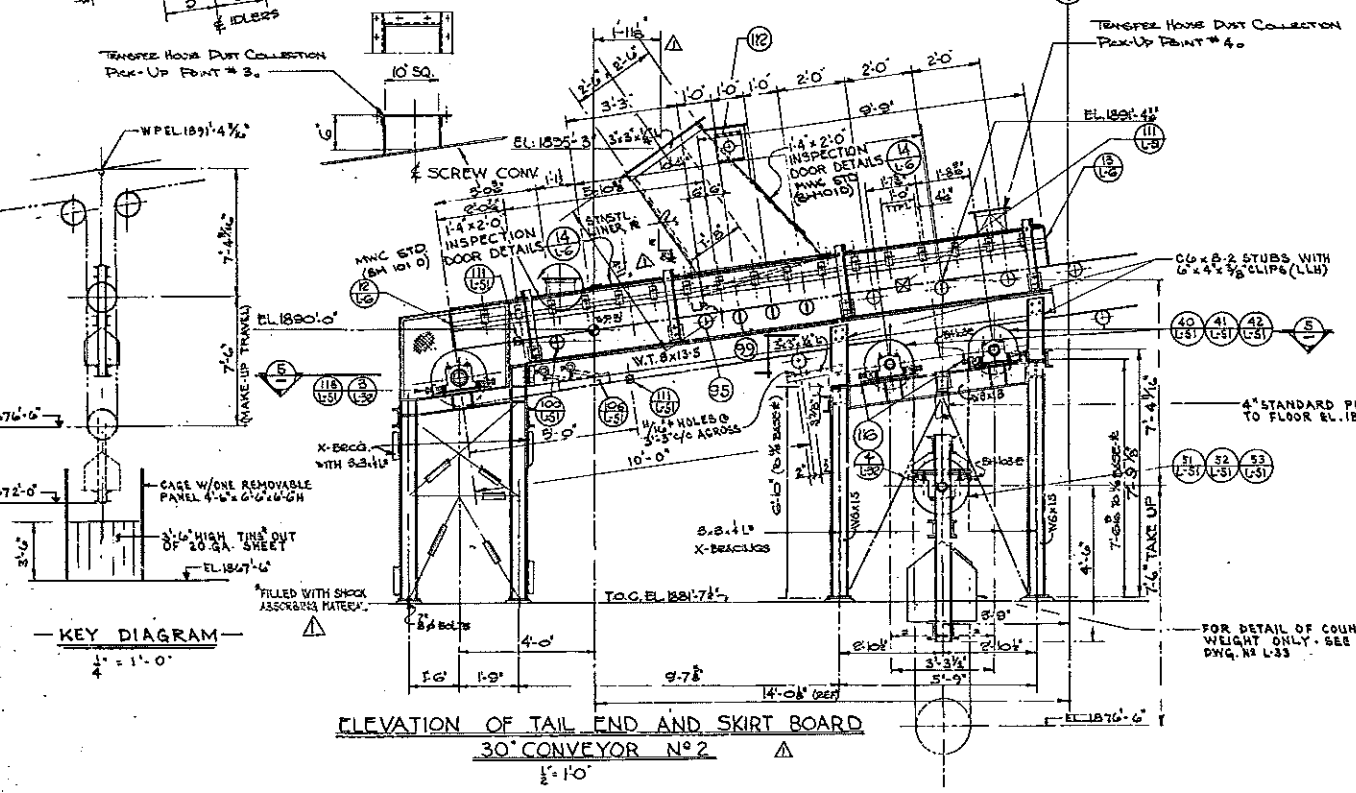
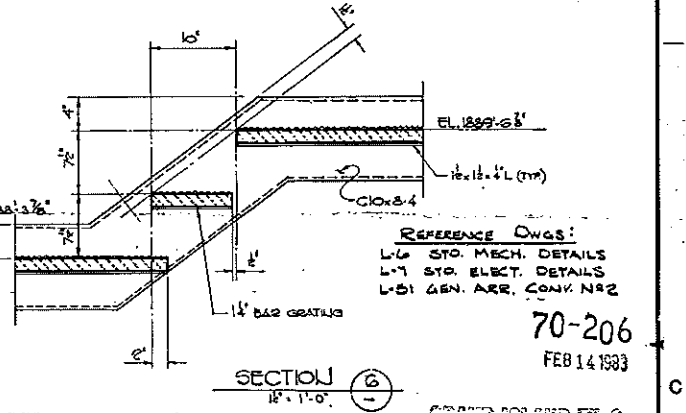
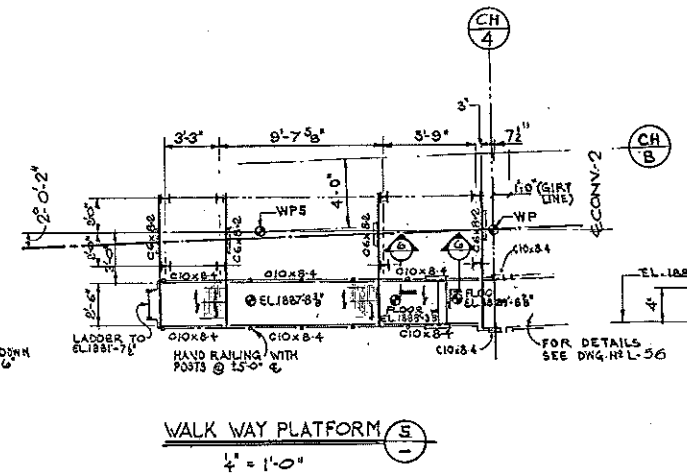
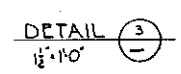
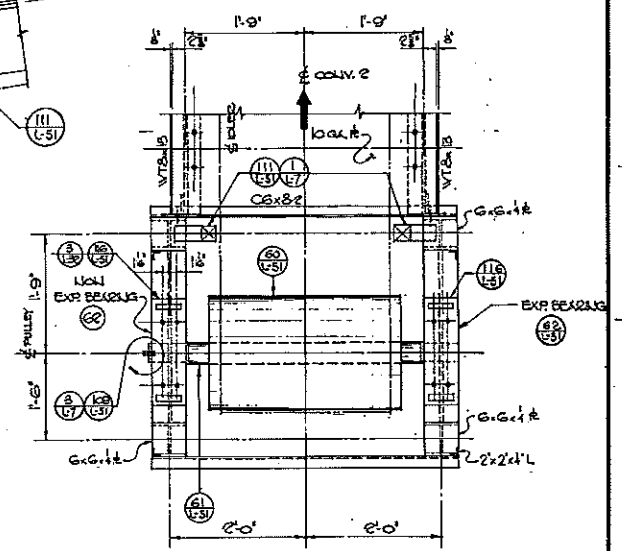
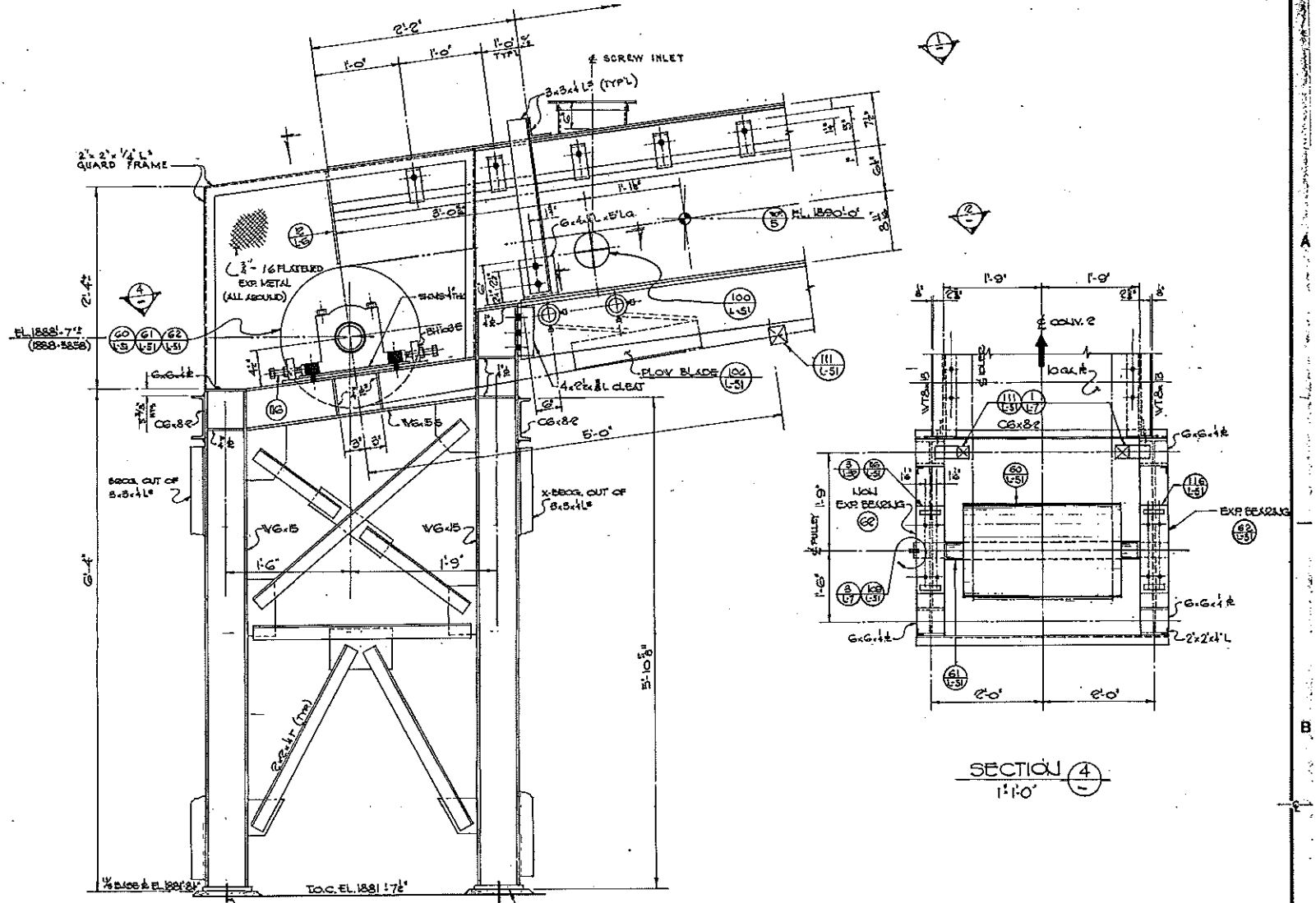
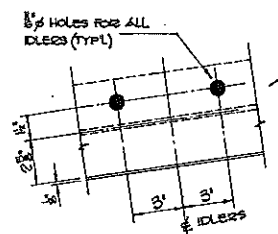
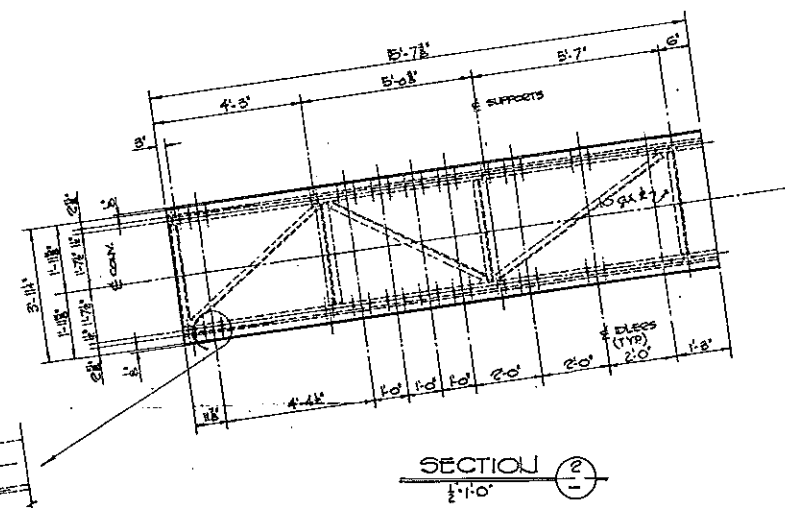
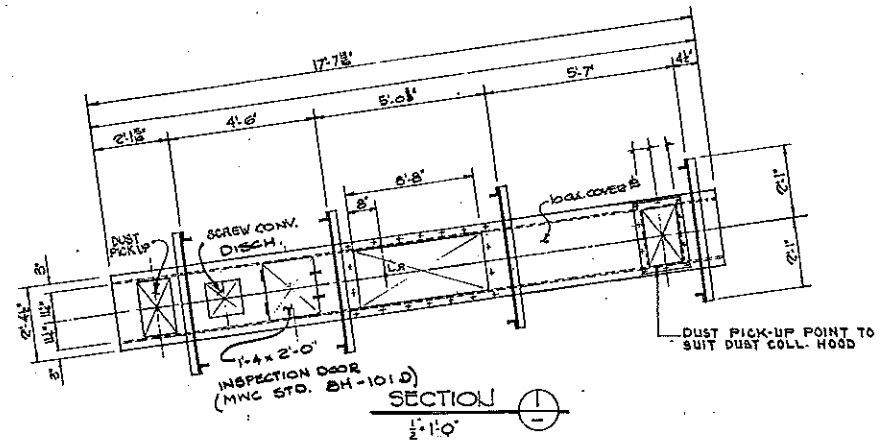
CONSULTING ENGINEERS — LUTZ, DAILY & BRAIN FEB 28 1980

MID-WEST CONVEYOR CO., INC.
SUBSIDIARY OF CONERGIS CORPORATION
KANSAS CITY, KANSAS

PROJECT: 30' STOCKOUT CONVEYOR W2 2
GENERAL ARRANGEMENT
COAL HANDLING SYSTEM — CITY OF GRAND ISLAND
PLATE GENERATING STATION #1, GRAND ISLAND, NEBRASKA

DATE	BY	CHKD
FEB 1979	JGQ	VKA

ADD OWNER TAG NOS	1-79	T.L.	M.H.
REVISED AS NOTED	AUG 78	P.M.	
REVISION	DATE	BY	CHKD



REFERENCE DWGS:
 L-6 STO. MECH. DETAILS
 L-7 STO. ELECT. DETAILS
 L-51 GEN. ARR. CONV. N#2

70-206
 FEB 14 1983

CONSULTING ENGINEERS — LUTZ DAILY & BRAIN

MID-WEST CONVEYOR CO., INC.
 SUBSIDIARY OF CONERGICS CORPORATION
 KANSAS CITY — KANSAS

70-206
 FEB 14 1983

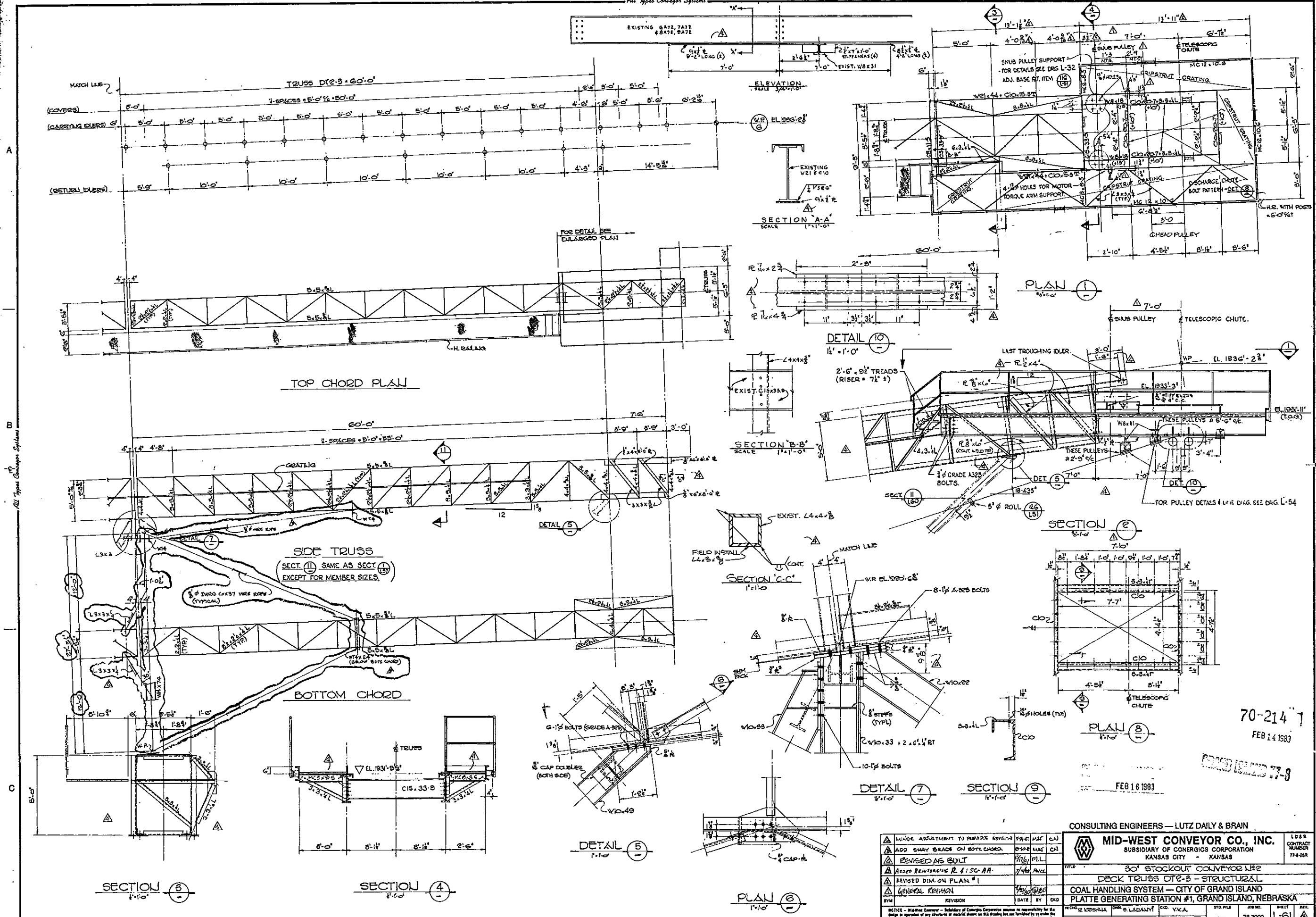
DATE: FEB 16 1983

SYMBOL	REVISION	DATE	BY	CHKD
Δ	REVISED AS NOTED			

NOTICE: Mid-West Conveyor — Subsidiary of Conergics Corporation assumes no responsibility for the design or operation of any structure or material shown on this drawing but will be furnished by us under the contract in which this drawing appears. This print is loaned subject to return upon the end of and upon the approval condition that it is not to be used directly or indirectly in any way detrimental to our interest.

DRG. NO.	DATE	SCALE	BY	CHKD	DATE
R. KRISHNA	MARCH 79	AS NOTED	V. K. A.		

TITLE: 30\"/>



70-214 7
FEB 14 1983

GRAND ISLAND 77-8
FEB 16 1983

CONSULTING ENGINEERS — LUTZ DAILY & BRAUN

<ul style="list-style-type: none"> ▲ WUDGE ADJUSTMENT TO REMOVE EXISTING ▲ ADD SWAY BRACE ON BOTH CHORDS ▲ REVISED AS BUILT ▲ Added Reinforcing R 3:30-AAA ▲ REVISED DIM. ON PLAN # 1 ▲ GENERAL REVISION 	<table border="1"> <tr> <th>BY</th> <th>DATE</th> <th>BY</th> <th>CHK</th> </tr> <tr> <td>PL</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> <tr> <td>PL</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> <tr> <td>PL</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> </table>	BY	DATE	BY	CHK	PL	7/4/80	PL		PL	7/4/80	PL		PL	7/4/80	PL		<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>CHK</th> </tr> <tr> <td>1</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> <tr> <td>2</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> <tr> <td>3</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> <tr> <td>4</td> <td>7/4/80</td> <td>PL</td> <td></td> </tr> </table>	REV	DATE	BY	CHK	1	7/4/80	PL		2	7/4/80	PL		3	7/4/80	PL		4	7/4/80	PL		<p>70-214 7 FEB 14 1983</p> <p>77-8 FEB 16 1983</p>
BY	DATE	BY	CHK																																				
PL	7/4/80	PL																																					
PL	7/4/80	PL																																					
PL	7/4/80	PL																																					
REV	DATE	BY	CHK																																				
1	7/4/80	PL																																					
2	7/4/80	PL																																					
3	7/4/80	PL																																					
4	7/4/80	PL																																					
<p>70-214 7 FEB 14 1983</p>		<p>77-8 FEB 16 1983</p>																																					
<p>70-214 7 FEB 14 1983</p>		<p>77-8 FEB 16 1983</p>																																					
<p>70-214 7 FEB 14 1983</p>		<p>77-8 FEB 16 1983</p>																																					
<p>70-214 7 FEB 14 1983</p>		<p>77-8 FEB 16 1983</p>																																					
<p>70-214 7 FEB 14 1983</p>		<p>77-8 FEB 16 1983</p>																																					

70-1223

MOTOR DATA SHEET

Motor Application Conveyor 2

Motor Model RGZZ-365TS Motor Serial Later

HP 75 Service Factor 1.0

Full Load Speed, rpm 1770 Full Load Current at 1.0 84.4

Locked Rotor Current, amps 542.5 Service Factor, amps 84.4

Phases 3 Frequency, Hz 60

Insulation Class B Temperature 80°

Motor and Load Combined Acceleration Time, sec: 2-4-83 * Later

At full voltage

At minimum starting voltage * Later

RECORD DRAWING

GRAND ISLAND 77-8

Bearing Type Ball Enclosure Type XP

Motor Weight 915 lbs.

Additional Information required for motors larger than 150 hp:

Efficiency: Load 50% 75% 100%

Power Factor: Load 50% 75% 100%

Minimum Starting Voltage Safe Stall Time

Frequency of Starts Rotation

Current Transformer Ratio

Thermocouples: Bearings Number Type

Stator Number Type

Motor Winding RTD's: Number Resistance

Space Heaters: Voltage Wattage

Critical Speed for motors rated 3500 HP or larger, rpm

CITY OF GRAND ISLAND LUTZ, DAILY & BRAIN Contract No.
Grand Island, Nebraska Consulting Engineers Sheet of

CERTIFICATION

CUSTOMER MIDWEST CONVEYOR COMPANY, INC.
P.O. 9274
S.O. EL13789
Signed William N. Paulik

APR 02 1979

* Require speed/torque curve of driven equipment to calculate