



**COUNTY OF EL DORADO, CALIFORNIA
CHIEF ADMINISTRATIVE OFFICE
PROCUREMENT AND CONTRACTS DIVISION
solicitation on behalf of the
ENVIRONMENTAL MANAGEMENT DEPARTMENT
REQUEST FOR BIDS
INCLUDING
NOTICE TO BIDDERS, INSTRUCTIONS TO BIDDERS,
PROPOSAL, CONTRACT, CONDITIONS OF THE CONTRACT, AND
ATTACHMENTS A, B, C, D, and E
FOR
UNION MINE WASTEWATER TREATMENT PLANT
CENTRIFUGE CONTROL PANEL PROJECT
BID #2025-0107**

**BIDS MUST BE RECEIVED BY:
2:00 P.M. on AUGUST 14, 2025
THROUGH QUEST CONSTRUCTION
DATA NETWORK**

**COUNTY OF EL DORADO, STATE OF CALIFORNIA
ENVIRONMENTAL MANAGEMENT DEPARTMENT**

**UNION MINE WASTEWATER TREATMENT PLANT
CENTRIFUGE CONTROL PANEL PROJECT**

BID #2025-0107

TABLE OF CONTENTS

NOTICE TO BIDDERS	N-1
INSTRUCTIONS TO BIDDERS	I-1
PROPOSAL	P-1
DRAFT AGREEMENT FOR CONSTRUCTION SERVICES	C-1
PAYMENT BOND	NO PAGE #
PERFORMANCE BOND	NO PAGE #
CALIFORNIA FORM 590 - 2022 WITHHOLDING CERTIFICATE	NO PAGE #
COUNTY OF EL DORADO PAYEE DATA RECORD FORM	NO PAGE #
CERTIFICATE OF INSURANCE FORM	NO PAGE #
CONDITIONS OF THE CONTRACT	CC-1
ATTACHMENT A – SCOPE OF WORK	
ATTACHMENT B – CENTRIFUGE #1 EXISTING CONTROL PANEL DRAWINGS	
ATTACHMENT C – CENTRIFUGE #2 EXISTING CONTROL PANEL DRAWINGS	
ATTACHMENT D – PHOTOS OF EXISTING CONTROL PANELS	
ATTACHMENT E – PROMINENT POLY FEEDER DRAWING	

**COUNTY OF EL DORADO, CALIFORNIA
ENVIRONMENTAL MANAGEMENT DEPARTMENT**

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN by the County of El Dorado, State of California, that bids submitted through Quest Construction Data Network (Quest) for work in accordance with the Contract Documents designated:

**UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT
BID #2025-0107**

will be received by the Chief Administrative Office, Procurement & Contracts Division, online through Quest Construction Data Network (Quest) Project #9606804, until **2:00 p.m. Pacific Time on August 14, 2025**, at which time and place bids will be publicly opened and read by the Chief Administrative Office, Procurement & Contracts Division. The bid opening will be held virtually through Zoom. The virtual meeting can be accessed via the following: <https://us02web.zoom.us/j/82110316964>. Meeting ID: 821 1031 6964 / (669)900-6833 (San Jose), (253)215-8782 US (Tacoma), (346)248-7799 US (Houston).

LOCATION/DESCRIPTION OF THE WORK: The Union Mine Wastewater Treatment Plant is located at 5700 Union Mine Road, El Dorado, California 95623. The Work to be done as shown on the Contract Documents, generally consists of fabrication of two (2) new control panels for the two (2) existing GEA Westfalia centrifuges, installation of the control panels, providing auxiliary equipment wiring to the control panels, programming, and testing for proper operation in accordance with Attachment A – Scope of Work.

- A. The contract time shall be **three hundred sixty-five (365) Calendar Days**.
- B. For bonding purposes, the estimated project cost is **approximately \$540,000**.
- C. A Non-Mandatory Pre-Bid Site Visit is scheduled for this contract on **Thursday July 24, 2025, starting PROMPTLY at 11:00 a.m. at the Union Mine Wastewater Treatment Plant located at 5700 Union Mine Road, El Dorado, California 95623. ATTENDANCE AT THE PRE-BID SITE VISIT IS NOT MANDATORY. REPRESENTATIVES SHALL FOLLOW COUNTY COVID 19 POLICY WHILE ON COUNTY PREMISES WHICH MAY INCLUDE THE USE OF FACE COVERINGS. PLEASE REFER TO COUNTY POLICY E-13 AVAILABLE AT: <https://www.edegov.us/Government/BOS/Documents/Board%20Policy%20E-13.pdf>**. The Bidder's representative will be required to sign an attendance sheet and provide the name of the firm being represented. The County will post on the Quest website such Addenda as the County in its discretion considers necessary in response to questions arising and information presented at the Pre-Bid Site Visit. Oral statements shall not be relied upon and will not be binding or legally effective. Addenda issued as a result of the Pre-Bid Site Visit shall constitute the sole and exclusive record and statement of the results of the Pre-Bid Visit.
- D. This project is being formally bid in accordance with Public Contract Code 22032 and County of El Dorado Ordinance Code section 3.14.040.

PRE-BID COMMUNICATIONS & REQUESTS FOR INFORMATION (RFI): Questions will be accepted in writing only, through submission to the Quest website under the Quest Project #9606804 "Project Q&A", by email, or in hard copy, until **5:00 P.M. on July 29, 2025**. Pre-bid communications and RFI are to be submitted to the email shown on the Quest website under the Quest #9606804 "Project Q&A", emailed to: tyler.prince@edegov.us with BID #2025-0107 – RFI as the subject, or in hard copy delivered to: County of El Dorado, Procurement & Contracts, 330 Fair Lane, Placerville, California 95667, BID #2025-0107 – RFI. If a response does not require an addenda, answers to questions deemed relevant and appropriate will be uploaded to Quest on or about **August 6, 2025**. Oral responses concerning the content of the Contract Documents shall not be relied upon and will not be binding or legally effective. Addenda will be uploaded in PDF format to Quest's website. To receive notification of addenda, interested bidders must be included on the Planholders List.

OBTAINING OR INSPECTING CONTRACT DOCUMENTS: The contract documents may be viewed and/or downloaded from the Quest Construction Data Network (Quest) website at <http://www.questcdn.com>. Interested parties may also access the Quest website by clicking on the link located on the Chief Administrative Office, Procurement and Contract's website at [County of El Dorado - Projects \(questcdn.com\)](http://www.edegov.us/Government/BOS/Projects/questcdn.com) and entering the Quest project #9606804.

Interested parties may view the Contract Documents on the Quest website at no charge. The digital Contract Documents may be downloaded for \$42.00 by inputting the Quest project #9606804 on the websites' Project Search page. Please contact Quest CDN.com at 952-233-1632 or info@questcdn.com for assistance with free membership, registration, downloading, and working with this digital project information. To access the electronic bid form, download the project/request documents and click the online bidding button at the top of the advertisement screen. Physical paper copies of the Contract Documents may be examined by appointment at the County of El Dorado, Chief Administrative Office, Procurement and Contracts Division located at 330 Fair Lane, Placerville, California 95667; however, the Chief Administrative Office will no longer issue paper copies of the Contract Documents to bidders. To view the Contract Documents in person, contact Tyler Prince by phone at 530-621-6438 or by email at tyler.prince@edegov.us.

By paying for and downloading the digital Contract Documents, interested bidders are automatically included on the Planholders List. The list of planholders will be available on Quest's website under "View Planholders." Those downloading the Contract Documents assume responsibility and risk for completeness of the downloaded Contract Documents. To be eligible to bid, interested parties must be included on the Planholders List.

ONLY CONTRACT DOCUMENTS DOWNLOADED FROM QUEST AND SUBMITTED BY A BIDDER INCLUDED ON THE PLANHOLDERS LIST WILL BE CONSIDERED FOR BID SUBMITTAL.

CONTRACTORS LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the Contractors' State License Law (Business and Professions Code section 7000, et seq.) and shall possess California **Class A – General Engineering Contractor's License** at the time the bid is submitted and shall maintain a valid license and certification through completion and acceptance of the Work, including the guarantee and acceptance period. Failure of the successful Bidder to obtain proper adequate licensing shall constitute a failure to execute the Contract and shall result in the forfeiture of the Bidder's security and may result in legal penalties.

CONTRACTOR REGISTRATION: No contractor or subcontractor may be listed on a bid proposal for a public works project or awarded a contract for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code sections 1771.1(a), 1725.5. Bids will not be accepted from unregistered contractors except as provided in section 1771.1.

PREVAILING WAGE REQUIREMENTS: In accordance with the provisions of Labor Code section 1770, et seq., the general prevailing rate of wages in the county in which the Work is to be done has been determined by the Director of the California Department of Industrial Relations. These wage rates appear in the California Department of Transportation publication entitled General Prevailing Wage Rates. Interested parties can obtain the current wage information by submitting their requests to the Department of Industrial Relations, Division of Labor Statistics and Research, P.O. Box 420603, San Francisco CA 94142-0603, Telephone (415) 703-4708 or by referring to the website at <http://www.dir.ca.gov/dlsr/PWD>. The rates at the time of the bid advertisement date of a project will remain in effect for the life of the project in accordance with the California Code of Regulations, as modified and effective January 27, 1997.

Copies of the general prevailing rate of wages in the county in which the Work is to be done are also on file at the Environmental Management Department and are available upon request.

In accordance with the provisions of Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work upon all work done hereunder, and Contractor and any subcontractor employed under this Contract shall conform to and be bound by the provisions of Labor Code sections 1810 through 1815.

BID SECURITY: A bid security shall be provided with each bid. Bid security shall be in an amount of not less than ten percent (10%) of the total amount bid for the Work and shall be cash, a certified check, or cashier's check drawn to the order of the County of El Dorado or a Bidder's Bond executed by a surety satisfactory to the County of El Dorado on the **form provided in the Proposal section of these Contract Documents**.

Bidders are required to submit either an electronic Bidder's Bond through Surety2000 or a PDF copy of a hard copy Bidder's Bond with their bid. If a bid security other than a Bidder's Bond is being used, Bidders must upload a PDF copy of the bid security with their electronic bid submittal. If a PDF copy of the bid security is uploaded, the original bid security and acknowledgment must be provided to the Chief Administrative Office, Procurement and Contracts Division, after the bid opening but before the end of business on the first business day after the bid opening. If the Bidder chooses to utilize Surety2000, by submitting their bid, Bidder hereby agrees to hold the County of El Dorado harmless from and waive any and all claims against the County of El Dorado for any claims or damages that arise from or are related to the Bidder's use of Surety 2000.

PERFORMANCE AND PAYMENT BONDS: The successful Bidder shall be required to execute a Performance Bond and a Payment Bond for not less than one hundred percent (100%) of the construction price, issued by an Admitted Surety, an insurance organization authorized to transact business in the State of California.

CONTRACT EXECUTION: The successful bidder must sign the Contract form provided at the time of contract award.

The bidder's security may be forfeited for failure to execute the contract within the time specified (Public Contract Code sections 10181, 10182, and 10183).

A copy of the Contract form is included in your Contract Documents.

SECURITIES SUBSTITUTION: Pursuant to Public Contract Code section 22300, and at the request and expense of the Contractor to whom the Contract is awarded, securities in a form approved by the County shall be permitted in substitution for money withheld by the County to ensure performance under the Contract.

INSTRUCTIONS TO BIDDERS: All bidders should carefully review the Instructions to Bidders for more detailed information before submitting a Bid Proposal.

BY ORDER OF the Board of Supervisors, County of El Dorado, State of California.

Authorized by the Board of Supervisors on June 24, 2025 at Placerville, California.

Dated: _____

By: _____

Chair, Board of Supervisors

ATTEST:

Kim Dawson
Clerk of the Board of Supervisors

By: _____
Deputy Clerk

Dated: _____

*** END OF DOCUMENT ***

**THESE INSTRUCTIONS SUPPLEMENT THE NOTICE TO BIDDERS, PROPOSAL, DRAFT
CONTRACT, AND CONDITIONS OF THE CONTRACT**

**UNION MINE WASTEWATER TREATMENT PLANT
CENTRIFUGE CONTROL PANEL PROJECT
BID #2025-0107**

INSTRUCTIONS TO BIDDERS

1. The County of El Dorado will receive sealed bids through online submission to Quest from Bidders as stipulated in the Notice to Bidders. **The Proposal including the Bidder's Security shall be submitted through Quest.** Bidders are cautioned that the timing of their online submission is based on when the submittal is RECEIVED by Quest, not when a submittal is initiated by a bidder. Online submittal transmissions can be delayed in an "Internet Traffic Jam" due to file transfer size, transmission speed, etc. For these reasons, the County recommends that bidders allow sufficient time to upload their response and attachment(s) and to resolve any issues that may arise. The closing date and time shall be governed by the Quest web clock, which does not allow submittals after the closing date and time. Quest will send a message to the Bidder's message center in Quest advising that their online submission (vbid) was successfully submitted. If you do not receive a successful submission confirmation, you are advised to contact Quest at 952-233-1632 or info@questcdn.com for assistance.
2. Bidders must submit bids only on forms provided in the Contract Documents downloaded from the Quest website and shall be accompanied by all documents and information required to be submitted by these Instructions to Bidders, the Notice to Bidders, and by law. Bids not submitted on the required forms provided in the Contract Documents downloaded by the bidder from the Quest website will be deemed nonresponsive and will be disqualified.
3. Bidders must complete and submit the Proposal, Proposal Bid Price Schedule, Subcontractors Listing, Public Contract Code section 10285.1 Statement, Public Contract Code section 10162 Questionnaire, Non-Collusion Affidavit, and page P-9, along with P-10 through P-12, as applicable. Bids submitted without the required documentation will be deemed nonresponsive and will be disqualified.
4. Bidders must supply all information required by the Contract Documents and specifications. Bids must be complete. Late bids, unlabeled bids, incomplete bids, or bids otherwise not in compliance with these bid documents will be rejected. The County reserves the right at its sole discretion to reject any bid as nonresponsive as a result of any error or omission in the bid.
5. Bidders may not modify the Proposal Document or qualify their bids.
6. Submission of a bid signifies that the Bidder has done a careful examination of the Contract Documents and has a complete understanding of the nature, extent, and location of Work to be performed. Bidder must complete the tasks listed below in subsections "a - c" as a condition to bidding, and submission of bid shall constitute the Bidder's express representation to the County that Bidder has fully completed the following:
 - a. Bidder has downloaded all documents related to the project from the Quest website and takes responsibility for their completeness;
 - b. Bidder has examined thoroughly and understands the nature and extent of the Contract Documents, Work, Site, locality, actual conditions, all local conditions, and federal, state, and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Bidder and safety precautions and programs incident thereto;
 - c. Bidder has given the County representative during the bid period prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered in or among the Contract Documents and actual conditions and the written resolution thereof by County is acceptable to Bidder.

7. The following represents the schedule for this Project and is subject to change. All times listed are Pacific Time:

Bid Issuance	JUNE 31, 2025
Pre-Bid Meeting (Non-Mandatory)	JULY 24, 2025 – 11:00 A.M.
Deadline for Final Questions	JULY 29, 2025 - 5:00 P.M.
Bid Submission Deadline	AUGUST 14, 2025 - 2:00 P.M.
Notice of Intent to Award Posting Estimate	AUGUST 21, 2025

8. No Bid may be withdrawn after the time established for receiving bids or before the award and execution of the Contract, unless the award is delayed for a period exceeding sixty (60) calendar days, or the withdraw has been approved by the County Board of Supervisor in accordance with Section 16, Bid Relief, below.

9. Bids must be executed in accordance with the instructions given on the forms provided in the Contract Documents furnished by the County of El Dorado, Chief Administrative Office, Procurement and Contracts Division, through Quest Construction Data Network (Quest).

10. **BUSINESS LICENSE:** The County Business License Ordinance provides that it is unlawful for any person to furnish supplies or services or transact any kind of business in the unincorporated territory of El Dorado County without possessing a County business license unless exempt under County Ordinance Code Section 5.08.070. The Bidder to whom an award is made shall comply with all of the requirements of the County Business License Ordinance, where applicable, prior to beginning work under this Contract and at all times during the term of this Contract.

11. **REQUIRED LISTING OF PROPOSED SUBCONTRACTORS:** Each Bid shall have listed therein the name and address of each subcontractor, to whom the Bidder proposes to subcontract portions of the work in an amount in excess of 1/2 of one percent of its total bid in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. The Bidder shall also describe in the Subcontractor Listing the work to be performed by each subcontractor listed. The work to be performed by the subcontractor shall be shown by listing the description of the work, and portion of the work to be performed by the subcontractor in the form of a percentage calculated by dividing the work to be performed by the subcontractor by the lump sum bid price. At the time the bids are submitted all listed subcontractors shall be properly licensed to perform their designated portion of the work. The Bidder's attention is invited to other provisions of the Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

Pursuant Labor Code sections 1725.5 and 1771.1, no contractor or subcontractor may be listed on a bid proposal for public works project or awarded a contract for a public works project unless registered with the Department of Industrial Relations.

12. **EMISSIONS REDUCTION:** Successful bidder must comply with emission reduction regulations mandated by the California Air Resources Board (CARB) and sign the certification of knowledge in the Agreement. Contractor must require all sub-contractors to comply with such regulations.

Successful bidder and its subcontractors shall at all times have valid Certificates of Reported Compliance as described in 13 California Code of Regulations section 2449(n) for fleets of vehicles subject to 13 CCR section 2449 which may be used in performance of the resulting contract. No such vehicle is permitted onsite unless and until the successful bidder provides County with a valid Certificate of Reported compliance.

Consistent with 13 California Code of Regulations 2449(i), the successful Contractor must submit to the County current CARB Certificates for any applicable fleet intended to be used by the Contractor and for any applicable fleet intended to be used by all subcontractors listed on the Subcontractor Listing Form in the Proposal within ten (10) business days of receiving the Notice to Award Letter. Failure to send those certificates may result in forfeiture of your bidder's bond, and the County reserves the right to then award the Project to the next lowest responsive and responsible bidder.

13. **NONDISCRIMINATION: (IF REQUIRED)** Attention is directed to the following Notice that is required by Government Code section 12990, et seq., which shall also be included in any subcontract agreements:

**NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM
(GOVERNMENT CODE SECTION 12990)**

Your attention is called to the Nondiscrimination Clause set forth or referred to herein, which is applicable to all nonexempt state construction contracts and subcontracts and to the Standard California Nondiscrimination Construction Contract Specifications set forth herein. The specifications are applicable to all nonexempt state construction contracts and subcontracts of \$5,000 or more.

(2 California Code of Regulations section 11119.)

NONDISCRIMINATION CLAUSE

1. During the performance of this contract, contractor and its subcontractors shall not unlawfully discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Contractors and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination. Contractors and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code section 12900, et seq.) and the applicable regulations promulgated thereunder (2 California Code of Regulations section 11000, et seq.). The applicable regulations of the Fair Employment and Housing Council implementing Government Code section 12990, set forth in Subchapter 5 of Division 4.1 of Title 2 of the California Code of Regulations are incorporated into this contract by reference and made a part hereof as if set forth in full. Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

2. Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

(2 California Code of Regulations section 11105.)

**STANDARD CALIFORNIA NONDISCRIMINATION CONSTRUCTION
CONTRACT SPECIFICATIONS (GOVERNMENT CODE SECTION 12990)**

These specifications are applicable to all state contractors and subcontractors having a construction contract or subcontract of \$5,000 or more.

1. As used in the specifications:

- a. "Act" means the Fair Employment and Housing Act.
- b. "Administrator" means Administrator, Office of Compliance Programs, California Department of Fair Employment and Housing, or any person to whom the Administrator delegates authority;

2. Whenever the contractor or any subcontractor subcontracts a portion of the work, it shall include in each subcontract of \$5,000 or more the nondiscrimination clause in this contract directly or through incorporation by reference. Any subcontract for work involving a construction trade shall also include the Standard California Construction Contract Specifications, either directly or through incorporation by reference.

3. The contractor shall implement the specific nondiscrimination standards provided in paragraphs 6(a) through (e) of these specifications.

4. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the contractor has a collective bargaining agreement, to refer members of any group protected by the Act shall excuse the contractor's obligations under these specifications, Government Code section 12990, or the regulations promulgated pursuant thereto.

5. In order for the nonworking training hours of apprentices and trainees to be counted, such apprentices and trainees must be employed by the contractor during the training period, and the contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor or the California Department of Industrial Relations.

6. The contractor shall take specific actions to implement its nondiscrimination program. The evaluation of the contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The contractor must be able to demonstrate fully its efforts under steps a. through e. below:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and at all facilities at which the contractor's employees are assigned to work. The contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the contractor's obligations to maintain such a working environment.

b. Provide written notification within seven days to the director of the DFEH when the referral process of the union or unions with which the contractor has a collective bargaining agreement has impeded the contractor's efforts to meet its obligations.

c. Disseminate the contractor's equal employment opportunity policy by providing notice of the policy to unions and training, recruitment and outreach programs and requesting their cooperation in assisting the contractor to meet its obligations; and by posting the company policy on bulletin boards accessible to all employees at each location where construction work is performed.

d. Ensure all personnel making management and employment decisions regarding hiring, assignment, layoff, termination, conditions of work, training, rates of pay or other employment decisions, including all supervisory personnel, superintendents, general foremen, on-site foremen, etc., are aware of the contractor's equal employment opportunity policy and obligations, and discharge their responsibilities accordingly.

e. Ensure that seniority practices, job classifications, work assignments, and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the equal employment opportunity policy and the contractor's obligations under these specifications are being carried out.

7. Contractors are encouraged to participate in voluntary associations that assist in fulfilling their equal employment opportunity obligations. The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on equal employment opportunity in the industry, ensures that the concrete benefits of the program are reflected in the contractor's workforce participation, and can provide access to documentation that demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the contractor's.

8. The contractor is required to provide equal employment opportunity for all persons. Consequently, the contractor may be in violation of the Fair Employment and Housing Act

(Government Code section 12990, et seq.) if a particular group is employed in a substantially disparate manner.

9. The contractor shall not use the nondiscrimination standards to discriminate against any person because race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status.

10. The contractor shall not enter into any subcontract with any person or firm decertified from state contracts pursuant to Government Code section 12990.

11. The contractor shall carry out such sanctions and penalties for violation of these specifications and the nondiscrimination clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Government Code section 12990 and its implementing regulations by the awarding agency. Any contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Government Code section 12990.

12. The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company equal employment opportunity policy is being carried out, to submit reports relating to the provisions hereof as may be required by OCP and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, status, (e.g., mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in any easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

(2 California Code of Regulations section 11122.)

14. **AWARD OF CONTRACT:** The County reserves the right after opening bids to reject any or all bids, to waive any irregularity in a bid, or to make award to the lowest responsive, responsible Bidder(s). The Purchasing Agent will recommend the bid for award by the Board of Supervisors. As a condition of award, the successful Bidder will be required to submit bonds and evidence of insurance prior to execution of the Agreement by the County. Failure to meet this requirement shall constitute abandonment of the Bid by the Bidder and forfeiture of Bidder's security. Award will then be made to the next lowest responsible, responsive bidder.
15. **UNFAIR COMPETITION:** The County of El Dorado hereby notifies all Bidders, and by submitting a response to this invitation Bidder hereby agrees, that Bidder shall comply with all anti-competitive and anti-trust federal and state laws, including but not limited to the Unfair Practices Act (Business and Professions Code section 17000, et seq.), the Cartwright Act (Business and Professions Code section 16700, et seq., prohibited restraints on competition), Unfair Competition Act (Business and Professions Code section 17200, et seq.), the Sherman Act (15 U.S.C. section 1, et seq.), and the Clayton Act (15 U.S.C. section 12, et seq.).
16. **BID RELIEF:** County Board of Supervisors may grant bid relief under Pub Cont Code § 5100 et seq. Submit any request for bid relief to Tyler Prince at tyler.prince@edgov.us, phone:530-621-6438. Requests for bid relief must be in writing within 2 business days of the bid opening and must demonstrate:
 1. A mistake was made in your bid.
 2. The mistake made the bid materially different than what you intended.
 3. The mistake was made in filling out the bid and not due to an error in judgment or to carelessness in inspecting the site of work or in reading the plans or specifications.
17. **BIDERS PROTEST PROCEDURES:** The Chief Administrative Office, Procurement & Contracts Division, will notify all bidders in writing of its recommendation for award or rejection of bids, and the date and time on which the recommendation for award will be considered and acted upon by the Board

of Supervisors (“Notice of Intent to Award”). All bidders may attend the Board of Supervisors meeting, address the Board, and be heard.

Within 5 working days from the date of the Notice of Intent to Award, the Bidder protesting the recommendation for award must submit a formal written protest to the Procurement & Contracts Division, stating in detail the basis and reason for the protest. The Bidder must provide facts to support the protest including any evidence Bidder wishes to be considered together with the law, rule, regulation, or criteria on which the protest is based. The Bidder’s formal written protest and supporting documents will be reviewed by the County’s Purchasing Agent. The County’s Purchasing Agent will either approve or reject the Bidder’s protest. If the County’s Purchasing Agent rejects the Bidders protest, the protest will be heard and acted upon by the Board of Supervisors. The Bidder may attend the Board of Supervisors meeting at which the recommendation and bid protest will be considered. If the Bidder is not in attendance at that time, the bid protest may be dismissed by the Board of Supervisors without further consideration of the merits and the decision of the Board of Supervisors on the bid protest shall be final.

18. **PAYMENTS:** Attention is directed to Article 6.2 – APPLICATIONS FOR PAYMENT of Conditions of the Contract.
19. **RETAINAGE FROM PAYMENTS:** Attention is directed to Article 6.4 – WITHHOLDING FROM PAYMENTS of the Conditions of the Contract and Article 25 – RETAINAGE of the Contract.
20. The following documents are to be executed and submitted by the apparent low Bidder after bids have been opened and duly inspected, and the County transmits the Notice of Award package to the successful Bidder. Failure to properly and timely submit these documents entitles the County to determine that the Bidder has abandoned the contract and the bidder’s security shall be forfeited to County.

Submit the following documents to Tyler Prince, Chief Administrative Office, Procurement and Contracts Division, 330 Fair Lane, Placerville, California 95667 by 5:00 p.m. of the **TENTH** working day, following the date of the NOTICE OF AWARD OF CONTRACT letter. Execution of Contracts by the County depends upon approval of Insurance Certificates and Bonds, and associated contract documents.

- i. Contracts: The successful Bidder shall execute and submit the Agreements for the work associated with the Proposal Lump Sum Bid Price Schedule (See Draft Contract). Submit two (2) originals of Contract, each bearing an original signature.
- ii. County of El Dorado Performance Bond: To be executed by successful Bidder and surety each with notary acknowledgement. Successful Bidder shall furnish County with original copies of the Performance Bond and notary acknowledgment.
- iii. County of El Dorado Payment Bond: To be executed by successful Bidder and surety each with notary acknowledgement. Successful Bidder shall furnish County with original copies of the Payment Bond and notary acknowledgment.
- iv. Insurance certificates required by Conditions of the Contract, Article 8.
- v. California Form 590 – Withholding Exemption and County Payee Data Record Form
- vi. (If Applicable) Consistent with 13 California Code of Regulations 2449(i), the Successful bidder must submit to the County current CARB Certificates for any applicable fleet intended to be used by the Successful bidder and for any applicable fleet intended to be used by all subcontractors listed on the Subcontractor Listing Form in the Proposal within ten (10) business days of receiving the Notice to Award Letter and package. Failure to send those certificates may result in forfeiture of your bidder’s bond, and the County reserves the right to then award the project to the next lowest responsive and responsible bidder.

*** END OF INSTRUCTIONS TO BIDDERS ***

THIS IS A SAMPLE OF WHICH DETAILS ALL THE NECESSARY INFORMATION NEEDED FOR A COMPLETE PROPOSAL. PLEASE LOG INTO QUEST AND COMPLETE ALL ELECTRONIC FORMS UNDER QUEST PROJECT #9606804. PLEASE NOTE THAT SOME FORMS WILL NEED TO BE DOWNLOADED AND RE-UPLOADED WITH ALL THE NECESSARY INFORMATION FILLED OUT. IF YOU ARE NOT UTILIZING SURETY 2000, THEN A PDF OF YOUR BIDDERS BOND WILL NEED TO BE UPLOADED AT THE TIME OF BID AND A HARD COPY WILL NEED TO BE DROPPED OFF TO THE PROCUREMENT AND CONTRACTS DIVISION LOCATED AT 330 FAIR LANE, PLACERVILLE, CALIFORNIA 95667 BY END OF BUSINESS ON THE FIRST BUSINESS DAY AFTER THE BID OPENING.

THE USE OF PENCIL OR CORRECTION FLUID OR TAPE IS NOT ACCEPTABLE.
BID DOCUMENTS COMPLETED IN PENCIL OR CONTAINING THE USE OF CORRECTION FLUID OR TAPE WILL BE REJECTED.

ALL CHANGES MUST BE LINED OUT AND CORRECTIONS INSERTED ADJACENT TO THE CHANGE AND INITIALED BY THE BIDDER'S AUTHORIZED REPRESENTATIVE

THE REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK

PROPOSAL

(to be submitted with Bidder's Security)

**TO: CHIEF ADMINISTRATIVE OFFICE, PROCUREMENT and CONTRACTS DIVISION
COUNTY OF EL DORADO, STATE OF CALIFORNIA VIA QUEST**

for the completion of

UNION MINE WASTEWATER TREATMENT PLANT **CENTRIFUGE CONTROL PANEL PROJECT**

BID #2025-0107

NAME OF BIDDER: _____

BUSINESS MAILING ADDRESS: _____

CITY, STATE, ZIP: _____

BUSINESS STREET ADDRESS: _____
(Please include even if P.O. Box used)

CITY, STATE, ZIP: _____

TELEPHONE NO: AREA CODE () _____

FAX NO: AREA CODE () _____

EMAIL ADDRESS _____

The work for which this Proposal is submitted is for the construction in accordance with these Contract Documents (including the payment of not less than the State general prevailing wage rates set forth herein), including any addenda thereto, the Contract annexed hereto, and also in accordance with the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished, and in accordance with the General Prevailing Wage rates. The Contract Documents for the work to be done are entitled:

**UNION MINE WASTEWATER TREATMENT PLANT
CENTRIFUGE CONTROL PANEL PROJECT**

BID #2025-0107

Bids are to be submitted for the entire work. The work includes LUMP SUM BID. Failure to submit a bid for the entire work will result in the bid being deemed non-responsive and will be disqualified. The County reserves the right to reject all bids.

The Bidder shall set forth a lump sum total for the BID, in clearly legible figures in the respective space provided for this purpose.

If the item total for the lump sum is unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing lump sums. The written lump sum in numbers will be interpreted according to the number of digits and, if applicable, decimal placement.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error, or other irregularity which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the County, and that discretion will be exercised in the manner deemed by the County to best protect the public interest in the prompt and economical completion of the work. The decision of the County respecting the amount of a bid, or the existence or treatment of any irregularity in a bid, shall be final.

If this Proposal is accepted and the undersigned Bidder shall fail to enter into the Contract and furnish the two bonds in the sums required by the State Contract Act, with surety satisfaction to the County in accordance with the Special Provisions within ten (10) working days of the date of the letter notice from the County that the Contract has been awarded, the County may, at its option, determine that the Bidder has abandoned the Contract, and thereupon this Proposal and the acceptance thereof shall be null and void and the forfeiture of such security accompanying this Proposal shall operate and the same shall be the property of the County.

The undersigned Bidder acknowledges that a bid security must be submitted in the amount of not less than ten percent (10%) of the total Lump Sum Bid.

The undersigned, as Bidder, declares under penalty of perjury under the laws of the State of California that the only persons or parties interested in this Proposal, as principals, are those named herein; that this Proposal is made without collusion with any other person, firm, or corporation; that it has carefully examined the location of the proposed work, the annexed proposed form of Contract, Attachment A, Scope of Work, Attachment B, Centrifuge #1 Existing Control Panel Drawings, Attachment C, Centrifuge #2 Existing Control Panel Drawings, Attachment D, Photos of Existing Control Panels, and Attachment E, Prominent Poly Feeder Drawing; and that it proposes, and agrees if this Proposal is accepted, that it will contract with the County, in the form of the copy of the Draft Agreement annexed hereto, to provide all necessary machinery, tools, apparatus, and other means of construction, and to do all the work and furnish all the materials specified in the Contract, in the manner and time therein prescribed, and according to the requirements of the County as therein set forth, and that it will take in full payment therefore the following item prices, to wit:

N/A

For the project site, Bidder's scope of work shall include: fabrication of two (2) new control panels for the two (2) existing GEA Westfalia centrifuges, installation of the control panels, providing auxiliary equipment wiring to the control panels, programming, and testing for proper operation as required by the Contract Documents, and in accordance with Attachment A. Should Bidder find relevant details missing from the original Contract Documents, Bidder shall alert County.

**THE USE OF PENCIL OR CORRECTION FLUID OR TAPE IS NOT ACCEPTABLE.
BID DOCUMENTS COMPLETED IN PENCIL OR CONTAINING THE USE OF CORRECTION FLUID OR
TAPE WILL BE REJECTED.**

**ALL CHANGES MUST BE LINED OUT AND CORRECTIONS INSERTED ADJACENT TO THE CHANGE AND
INITIALED BY THE BIDDER'S AUTHORIZED REPRESENTATIVE**

PROPOSAL BID PRICE SCHEDULE

UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT

BID #2025-0107

Award of Contract: Bid will be awarded on the basis of the lowest responsive, responsible bidder based upon the total of the LUMP SUM bid and meeting all other requirements.

Lump Sum Bid Amount: \$ _____

NOTICE: Bidder's failure to execute the questionnaire and statements contained in this Bid as required by applicable laws and regulations, or the determinations by the County based upon those questionnaires and statements, may prohibit award of the subject Contract to the Bidder.

THE REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK

**THE USE OF PENCIL OR CORRECTION FLUID OR TAPE IS NOT ACCEPTABLE.
BID DOCUMENTS COMPLETED IN PENCIL OR CONTAINING THE USE OF CORRECTION
FLUID OR TAPE WILL BE REJECTED.**

**ALL CHANGES MUST BE LINED OUT AND CORRECTIONS INSERTED ADJACENT TO THE CHANGE
AND INITIALED BY THE BIDDER'S AUTHORIZED REPRESENTATIVE**

SUBCONTRACTORS LISTING

The Bidder shall list the name and address, contractor license number, and DIR registration number of each subcontractor to whom the Bidder proposes to subcontract portions of the work, in an amount in excess of one-half (½) of one percent (1%) of the total bid in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code and as required by the provisions in "Required Listing of Proposed Subcontractors" in the Notice to Bidders. **The Bidder shall list the description of work and state the percentage of work to be performed by each subcontractor as subcontracted amount divided by LUMP SUM BID amount.**

Name	Location of Business	Contractor License No. / DIR Registration No.	Description of Work and Percentage of Work Subcontracted

**THE USE OF PENCIL OR CORRECTION FLUID OR TAPE IS NOT ACCEPTABLE.
BID DOCUMENTS COMPLETED IN PENCIL OR CONTAINING THE USE OF CORRECTION FLUID OR
TAPE WILL BE REJECTED.**

**ALL CHANGES MUST BE LINED OUT AND CORRECTIONS INSERTED ADJACENT TO THE CHANGE AND
INITIALED BY THE BIDDER'S AUTHORIZED REPRESENTATIVE**

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In accordance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the Bidder hereby declares under penalty of perjury under the laws of the State of California that the Bidder has _____, has not _____ been convicted within the preceding three years of any offenses referred to in that Section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100. The term "Bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

NOTE: The Bidder must place a check mark after "has" or "has not" in one of the blank spaces provided.

The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Signature: _____ Date: _____

Name: _____

Title: _____

Firm: _____

**THE USE OF PENCIL OR CORRECTION FLUID OR TAPE IS NOT ACCEPTABLE.
BID DOCUMENTS COMPLETED IN PENCIL OR CONTAINING THE USE OF CORRECTION FLUID OR
TAPE WILL BE REJECTED.**

**ALL CHANGES MUST BE LINED OUT AND CORRECTIONS INSERTED ADJACENT TO THE CHANGE AND
INITIALED BY THE BIDDER'S AUTHORIZED REPRESENTATIVE**

PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE

In accordance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury under the laws of the State of California, the following questionnaire:

Has the Bidder, any officer of the Bidder, or any employee of the Bidder who has a proprietary interest in the Bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes: _____ **No:** _____

If the answer is yes, explain the circumstances in the following space:

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In accordance with Public Contract Code Section 10232, the Bidder hereby states under penalty of perjury under the laws of the State of California, that no more than one final unappealable finding of contempt of court by a Federal Court has been issued against the Bidder within the immediate preceding two year period because of the Bidder's failure to comply with an order of a Federal Court which orders the Bidder to comply with an order of the National Labor Relations Board.

NOTE:

The above Questionnaire and Statement are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Questionnaire and Statement.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

NONCOLLUSION AFFIDAVIT
(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

In accordance with Title 23 United States Code, Section 112 and Public Contract Code Section 7106, the Bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other Bidder to put in false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other Bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed Contract; that all statements contained in the bid are true; and, further, that the Bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

NOTE:

The above Noncollusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Noncollusion Affidavit.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Signature: _____

Date: _____

Name: _____

Title: _____

Firm: _____

Accompanying this proposal is _____

(NOTICE: INSERT THE WORDS "CASH (\$_____), "CASHIER'S CHECKS," "CERTIFIED CHECKS," OR "BIDDERS BONDS," AS THE CASE MAY BE)

in amount equal to at least ten percent (10%) of the total amount bid.

The names of all persons interested in the forgoing Proposal as principals are as follows:

IMPORTANT NOTICE: If the Bidder or other interested person is a corporation, state legal name of corporation and place of incorporation, also names of the president, secretary, treasurer, and executive officer thereof; if a partnership, state name of partnership, also names of all individual partners; if Bidder or other interested person is an individual, state first and last names in full.

Licensed in accordance with an act providing for the registration of Contractors,

License No. _____ Classification(s) _____

A copy of the afore-referenced license must be attached hereto.

ADDENDUM: This Proposal is submitted with respect to the changes to the Contract included in addenda number(s) _____

(Fill in addenda numbers if addenda have been received and insert, in this Proposal, any Proposal Pay Items and Bid Price Schedules that were received as part of the addenda)

By my signature on this Proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232, and 10285.1 are true and correct and that I have complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5 of Division 4 of Title 2 of the California Code of Regulations). By my signature on this Proposal, I further certify, under penalty of perjury under the laws of the State of California and the United States of America that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106 is true and correct.

The person or persons executing this Proposal on behalf of a corporation or partnership shall be prepared to demonstrate by resolution, article, or otherwise, that such person is or that such persons are appropriately authorized to act in these regards for such corporation or partnership. Such authority shall be demonstrated to the satisfaction of the County of El Dorado.

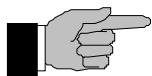
If the signature is by an agent other than an officer of a corporation or a member of a partnership, a power of attorney authorizing said act by the agent on behalf of his principal shall be submitted with the bid forms; otherwise, the bid may be disregarded as irregular and unauthorized.

The Bidder's execution on the signature portion of this Proposal shall constitute an endorsement and execution of those affidavits, declarations and certifications which are part of this Proposal.

Executed this _____ day of _____, 20____

at: _____ County, State of _____

Date: _____



SIGN HERE: _____

Name and Title of Bidder: _____

Name of Firm: _____

END OF PROPOSAL

COUNTY OF EL DORADO

BIDDER'S BOND

this form MUST be used

KNOW ALL PEOPLE BY THESE PRESENTS, THAT WE _____
_____, as **PRINCIPAL**, and

as Surety are held and firmly bound unto the County of El Dorado (Obligee), in the penal sum of **TEN (10) PERCENT OF THE AMOUNT OF THE TOTAL LUMP SUM BID PRICE** of the Principal above named, submitted by said Principal to the Obligee for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made to the Obligee, we the Principal and Surety bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum of

TEN PERCENT (10%) OF THE AMOUNT OF THE TOTAL LUMP SUM BID PRICE

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:

WHEREAS, the Principal has submitted the above-mentioned Bid to the Obligee, as aforesaid, for certain construction specifically described as follows, for which bids are to be opened at Placerville, El Dorado County, California, for the construction of the:

UNION MINE WASTEWATER TREATMENT PLANT

CENTRIFUGE CONTROL PANEL PROJECT

BID #2025-0107

NOW, THEREFORE, if the aforesaid Principal is awarded the Contract and, within the time and manner required under the Contract Documents, after the prescribed forms are presented to it for signature, enters into a written contract, in the prescribed form, in accordance with the Bid, and files two bonds with the County of El Dorado, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall remain in full force and virtue.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the Court.

IN WITNESS WHEREOF, we have set our hands and seals on this day of 20

(seal) _____ Principal

(seal) _____ Surety

Address: _____

(NOTE: Signature of those executing for the Surety shall be properly acknowledged, and accompanied by a Certificate of Acknowledgment.)

PRINCIPAL

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

ACKNOWLEDGMENT

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature

(Seal)

SURETY

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

ACKNOWLEDGMENT

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

County of El Dorado

BID #2025-0107

UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT

THIS AGREEMENT ("Agreement") approved by the County of El Dorado Board of Supervisors, this _____ day of _____, in the year of 2025, made and concluded, in duplicate, between the **COUNTY OF EL DORADO**, a political subdivision of the State of California, by the Environmental Management Department thereof, the party of the first part hereinafter called "County," and (CONTRACTOR) [CSLB No. ____] party of the second part hereinafter called "Contractor."

R E C I T A L S

WHEREAS, County has caused the above-captioned project to be let to formal bidding process; and

WHEREAS, Contractor has duly submitted a bid response for the captioned project upon which County has awarded this Contract.

NOW, THEREFORE, the parties hereto have mutually covenanted and agreed, and by these presents do covenant and agree, each with the other, as follows:

Article 1. THE WORK

The improvement contemplated in the performance of this Contract is an improvement over which the County of El Dorado shall exercise general supervision. The County therefore, shall have the right, but not the duty to assume full and direct control over this Contract whenever the County at its sole discretion, shall determine that its responsibility is so required.

The Contractor shall complete the Work as specified or indicated under the County's Contract Documents entitled:

UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT

The project is located at 5700 Union Mine Road, El Dorado, California 95623. The Work to be done as described in the Contract Documents generally consists of at a minimum: furnishing all tools, equipment, apparatus, labor, materials, mechanical workmanship, transportation, and services necessary for the fabrication of two (2) new control panels for the two (2) existing GEA Westfalia centrifuges, installation of the control panels, providing auxiliary equipment wiring to the control panels, programming, and testing for proper operation. The Work to be completed shall be in accordance with Attachment A – Scope of Work.

Article 2. CONTRACT DOCUMENTS

The Contract Documents consist of: the Notice to Bidders; Instructions to Bidders; the bid forms which include the accepted Proposal, Proposal Bid Price Schedule, Subcontractors Listing, Section 10285.1 Statement, Section 10162 Questionnaire, Section 10232 Statement, and the Non-collusion Affidavit; the Contract which includes this Agreement with any Exhibits thereto, the Performance Bond and Payment Bond; Conditions of the Contract; All Exhibits and Attachments to the Bid; all Addenda incorporated in those documents before their execution, all Contract Change Orders, and the Architect's Supplemental Instructions if applicable; the prevailing Labor Surcharge And Equipment Rental Rates (when required) as determined by the Department of Industrial Relations to be in effect on the date the Work is accomplished; all the obligations of County and of Contractor which are fully set forth and described therein; and all Contract Documents which are hereby specifically referred

to and by such reference made a part hereof. All Contract Documents are intended to cooperate so that any work called for in one and not mentioned in the other is to be executed the same as if mentioned in all Contract Documents. Contractor agrees to perform all of its promises, covenants, and conditions set forth in the Contract Documents, and to abide by and perform all terms and conditions set forth therein. In case of conflict between this Agreement and any other contract document, this Agreement shall take precedence.

Article 3. CONTRACT PRICE

As compensation agreed upon for said Work, County shall pay or cause to be paid to Contractor, in full, and for the full contract price and compensation for said completion of the Work, including without limitation, all bonds and insurance, (insert dollar amount in words) DOLLARS (\$*(insert dollar amount in numbers)*) which sum constitutes the Contract Price for the complete Project (the "Contract Price"). Contractor shall be paid no more than the Contract Price, plus any approved Change Orders pursuant to Article 50.

Article 4. COMMENCEMENT AND COMPLETION

The Work to be performed under this Contract shall commence on the date specified in the Notice to Proceed issued by County. The work shall be diligently prosecuted to completion within **three hundred sixty-five (365) Calendar Days** commencing from the date shown on the Contractor Notice to Proceed.

County and Contractor recognize that time is of the essence of the Agreement and that County will suffer loss if the Work is not completed within the time specified in the above paragraph, plus any extensions thereof allowed in accordance with Article 4.3.5 of the Conditions of the Contract. The parties also recognize delays, expense, and difficulties involved with proving in a legal proceeding the actual loss suffered by County if the Work is not completed on time. Accordingly, instead of requiring any such proof, County and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay County the sum of **TWO HUNDRED DOLLARS AND ZERO CENTS (\$200.00)** for each and every calendar day, as liquidated damages and not as a penalty, for each and every Calendar Day's delay in finishing the Work in excess of the contract time prescribed herein; and Contractor agrees that County may deduct the amount thereof from any monies due or that may become due Contractor under this contract.

Article 5. PAYMENT

Payment shall be made to Contractor as follows:

Progress payments are to be made monthly based on the percentage of completion method reached by the Contractor and invoiced using Exhibit A, marked "Application and Certificate for Payment," incorporated herein and made by reference a part hereof.

Retention of 5% of the total Contract price will be held until the work is 95% complete, and thereafter at the option of County. Payment by County as herein provided shall not be construed as an absolute acceptance of defects in the work or improper materials.

County shall promptly pay Contractor in accordance with Public Contract Code section 20104.50.

Article 6. SAFETY

Contractor shall maintain safe conditions at the jobsite for the duration of the Work for the public, County staff, and all persons performing the Work. Contractor shall comply fully with all laws, orders, citations, rules, regulations, standards, and statutes with respect to occupational health and safety, the handling and storage of hazardous materials, accident prevention, safety equipment and practices. Contractor shall be solely responsible for providing a safe place to work for its employees and for employees of its subcontractors and suppliers or material and equipment, for adequacy of and required use of all safety equipment, and for full compliance with aforesaid laws, orders, citations, rules, regulations, standards, and statutes.

Other safety measures shall include, but not be limited to the following:

- A. Providing safe accessibility to all building entrances, keeping all sidewalks, active doors, corridors or other walkways, driveways, or any emergency vehicle access clear for the duration of the project.
- B. Keeping flammable rags, if applicable, in a sealed container and removing them from the site at the end of each work day.

Article 7. PROTECTION OF FACILITIES

- A. Contractor shall exercise care to prevent damage to the existing building, grounds, and property while performing the Work. Any damage caused as a result of Contractor's operations shall be repaired back to its original condition by Contractor at no additional cost to County. Contractor shall provide for public use and shall limit access to the facility as directed by County's Contract Administrator.
- B. Contractor shall provide for work by other contractors and County.
- C. Contractor shall coordinate the use of the premises, including the storage of materials, tools, and equipment with County's Contract Administrator.

Article 8. INDEMNITY

To the fullest extent allowed by law, Contractor shall defend, indemnify, and hold the County and its officers, directors, and employees harmless against and from any and all claims, suits, losses, damages, and liability for damages, including attorney's fees and other costs of defense brought for or on account of injuries to or death of any person, including but not limited to, workers and the public, or on account of injuries to or death of County employees, or damage to property, or any economic, consequential or special damages which are claimed or which shall in any way arise out of or be connected with Contractor's services, operations or performance hereunder, regardless of the existence or degree of fault or negligence on the part of the County, the Contractor, subcontractors or employees of any of these, except for the sole negligence or willful acts of the County, its officers and employees, or where expressly prescribed by statute.

The duty to indemnify and hold harmless the County specifically includes the duties to defend set forth in Civil Code section 2778. The insurance obligations of the Contractor are separate, independent obligations under the Contract Documents, and the provisions of this defense and indemnity are not intended to modify nor should they be construed as modifying or in any way limiting the insurance obligations set forth in the Contract Documents.

Nothing herein shall be construed to seek indemnity in excess of that permitted by Civil Code section 2782, et seq. In the event any portion of this Article is found invalid, the Parties agree that this Article shall survive and be interpreted consistent with the provisions of Civil Code section 2782, et seq.

Article 9. GUARANTEES

Contractor shall repair or replace any or all work provided hereunder which is defective due to faulty materials, poor workmanship, or defective equipment at no expense to County, ordinary wear or tear and unusual abuse or neglect excepted, during the term of the Contract and for a period of one (1) year after Notice of Acceptance. Contractor shall be required to repair or replace any and all adjacent facilities or areas which have been damaged or displaced due to Contractor work performed under this Agreement at no expense to County during the term of this Contract and for a period of one (1) year after Notice of Acceptance. If a warranty or guarantee exceeding one (1) year is provided by the supplier or manufacturer of any equipment or materials used in this Project, or if a warranty or guarantee exceeding one (1) year is required elsewhere in these Contract Documents, then the guarantee for such equipment or materials shall be extended for such term. Contractor expressly agrees to act as co-guarantor of such equipment and materials, and Contractor shall supply County with all warranty and

guaranty documents relative to equipment and materials incorporated in the job and guaranteed by its suppliers or manufacturers.

The parties agree that this guarantee and the rights and obligations accruing therefrom shall be in addition to, and not by way of limitation in any manner whatsoever to, the rights, obligations, warranties or remedies otherwise provided for by law.

In the event of Contractor's failure to comply with the above-mentioned conditions within ten (10) calendar days after being notified in writing by County, Contractor hereby authorizes County to proceed to have said defects repaired and made good at Contractor's expense, and Contractor will honor and pay all costs and charges therefore upon written demand.

Article 10. NOTICE

Any notice or other correspondence required to be given under this Agreement by either party to the other may be affected by personal delivery in writing or by mail, postage prepaid. Notices personally delivered during normal business hours shall be deemed received on the actual date of delivery; mailed notices shall be deemed received one (1) day after affixed postmark. Notices and correspondence to County shall be in duplicate and shall be delivered to it as follows:

To County:

County of El Dorado
Environmental Management
2850 Fairlane Court, Building C
Placerville, California 95667

Attn.: Robert Brillisour
Disposal Site Supervisor

With a copy to:

County of El Dorado
Chief Administrative Office
Procurement and Contracts Division
330 Fair Lane
Placerville, California 95667

Attn.: Michele Weimer
Procurement and Contracts Manager

Notices and correspondence to Contractor shall be delivered when personally delivered to, or if mailed, addressed to Contractor at:

Contractor's Business Name
Street Address
City, State Zip

Attn.: Name of Notices Recipient
Title of Notices Recipient

Either party may change its address for notices by giving written notice pursuant to this Article.

Article 11. CALIFORNIA FORUM AND LAW

Any dispute resolution action arising out of this Agreement, including, but not limited to, litigation or mediation shall be brought in El Dorado County, California, and shall be resolved in accordance with the laws of the State of California.

Article 12. PERFORMANCE BOND

As a part of the execution of this Contract, Contractor shall furnish a bond of a surety company authorized to do business in the State of California, conditioned upon the faithful performance of all covenants and stipulations under this Contract. The amount of this bond shall be one hundred percent (100%) of the total Contract Price and shall be executed upon the form provided by County. If, at any time the Surety on the Performance Bond becomes irresponsible or loses its right to do business in the State of California, the County may require another Surety which the Contractor shall furnish within ten (10) calendar days after receipt of written notice to do so.

Article 13. PAYMENT BOND

As a part of the execution of this Contract, Contractor shall furnish a bond of a surety company authorized to do business in the State of California, conditioned upon the payment in full of all claims for labor and materials in accordance with the provisions of the law of the State of California. The amount of this bond shall be one hundred percent (100%) of the total Contract Price and shall be executed upon the form provided by County.

If, at any time the Surety on the Payment Bond becomes irresponsible or loses its right to do business in the State of California, the County may require another Surety which the Contractor shall furnish within ten (10) calendar days after receipt of written notice to do so.

Article 14. NOTIFICATION OF SURETY COMPANY

The surety company shall familiarize itself with all of the conditions and provisions of this Contract, and shall waive the right of special notification of any change or modifications of this Contract or extension of time, or of decreased or increased work, or of the cancellation of the Contract, or of any other act or acts by County or its authorized agents, under the terms of this Contract; and failure to so notify the aforesaid surety company of changes shall in no way relieve the surety company of its obligation under this Contract.

Article 15. ASSIGNMENT OF ANTITRUST ACTIONS

In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor offers and agrees and will require all of its subcontractors and suppliers to agree to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C. sec. 15) or under the Cartwright Act (Business and Professions Code section 16700, et seq.), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to Contractor, without further acknowledgment by the parties.

If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under Government Code sections 4550-4554, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery. Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under Government Code sections 4550-4554 if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action.

Article 16. TERMINATION BY COUNTY FOR CONVENIENCE

County reserves the right to terminate the Contract at any time upon determination by County's representative that termination of the Contract is in the best interest of County. County shall issue Contractor a written notice specifying that the Contract is to be terminated.

Upon receipt of said written notice, Contractor shall stop all work under the Contract except: (1) work specifically directed to be completed prior to termination, (2) work the County deems necessary to secure the project for termination, (3) removal of equipment and plant from the site of the Work, (4) action that is necessary to protect materials from damage, (5) disposal of materials not yet used in the Work as directed by County, and (6) clean-up of the site. If the Contract is terminated for County's convenience as provided herein, all finished or unfinished work and materials previously paid for shall, at the option of County, become its property. Contractor shall be paid an amount which reflects costs incurred for work provided to the date of notification of termination. In addition, Contractor shall be paid the reasonable cost, as solely judged by County, and without profit, for all work performed to secure the project for termination.

Article 17. TERMINATION BY COUNTY FOR CAUSE

If Contractor is adjudged as bankrupt or insolvent, or makes a general assignment for the benefit of its creditors or if a trustee or receiver is appointed for Contractor or for any of its property, or if Contractor files a petition to take advantage of any debtor's act, or to reorganize under the bankruptcy or applicable laws, or on more than one occasion fails to supply sufficient skilled workmen or suitable material or equipment, or on more than one occasion fails to make prompt payments to subcontractors for labor, materials, or equipment, or disregards the authority of the County's representative, or the Engineer, if one is appointed, or otherwise violates any provision of the Contract Documents, then County may, without prejudice to any other right or remedy and after giving Contractor and its Surety a minimum of ten (10) calendar days from delivery of a written termination notice, terminate the services of Contractor and take equipment and machinery thereon owned by Contractor and finish the Work by whatever method County may deem expedient. In such case, Contractor shall not be entitled to receive any further payment until the Work is finished.

Without prejudice to other rights or remedies County may have, if Contractor fails to begin delivery of materials and equipment, to commence Work within the time specified, to maintain the rate of delivery of material, to execute the Work in the manner and at such locations as specified, or fails to maintain a work program which will ensure County's interest, or, if Contractor is not carrying out the intent of the Contract, an Inspector's written notice may be served upon Contractor and the Surety on its faithful performance bond demanding satisfactory compliance with the Contract. If Contractor or its Surety does not comply with such notice within five (5) calendar days after receiving it, or after starting to comply, fails to continue, County may exclude it from the premises and take possession of all material and equipment, and complete the Work by County's own forces, by letting the unfinished Work to another Contractor, or by a combination of such methods.

Where Contractor's services have been so terminated by County, said termination shall not affect any right of County against Contractor then existing or which may thereafter accrue. Any retention or payment of monies by County due Contractor will not release Contractor from compliance with the Contract Documents.

If the unpaid balance of the Contract price exceeds the direct and indirect costs of completing the Work, including compensation for additional professional services, such excess shall be paid to Contractor. If the sums under the Contract are insufficient for completion, Contractor or Surety shall pay to County within five (5) calendar days after the completion, all costs in excess of the Contract price. In any event, the cost of completing the Work shall be charged against Contractor and its Surety and may be deducted from any money due or becoming due from County.

The provisions of this Article shall be in addition to all other rights and remedies available to County under law.

If after notice of termination, it is determined for any reason that Contractor was not in default, the rights and obligations of the parties shall be the same as if the notice of termination had not been issued. The Contract shall be equitably adjusted to compensate for such termination.

Article 18. SUCCESSORS AND ASSIGNS

This Agreement shall bind and inure to the heirs, devisees, assignees, and successors in interest of Contractor and to the successors in interest of County in the same manner as if such parties had been expressly named herein.

Article 19. REPORTING ACCIDENTS

Contractor shall prepare and submit (within 24 hours of such incidents) reports of accidents at the site and anywhere else the work is in progress in which bodily injury is sustained or property loss in excess of Five Hundred Dollars (\$500.00) occurs.

Article 20. EMISSIONS REDUCTION (IF REQUIRED)

Contractor and its subcontractors shall at all times have valid Certificates of Reported Compliance as described in 13 California Code of Regulations section 2449(n) for fleets of vehicles subject to 13 California Code of Regulations section 2449 which may be used in performance of the contract. No such vehicle is permitted onsite unless and until Contractor provides County

with a valid Certificate of Reported compliance. Contractor and its subcontractors shall comply with emission reduction regulations mandated by the California Air Resources Board, and sign a certification of knowledge thereof:

CERTIFICATE OF KNOWLEDGE – EMISSIONS REDUCTION REGULATIONS

I am aware of the emissions reduction regulations being mandated by the California Air Resources Board (CARB). I will comply with such regulations before commencing the performance of the Work and maintain compliance throughout the duration of this Contract.

Signed: _____ Date: _____

Contractor shall indemnify County against any fines or penalties imposed by CARB or any other governmental or regulatory agency for violations of applicable laws, rules, and regulations by Contractor, its subcontractors, or others for whom Contractor is responsible under its indemnity obligations provided for in this Agreement.

Article 21. WORKERS' COMPENSATION CERTIFICATION

Contractor shall comply with Labor Code section 3700, et seq., requiring it to obtain Workers' Compensation Insurance, and sign a certificate of knowledge thereof.

CERTIFICATE OF KNOWLEDGE - LABOR CODE SECTION 3700

I am aware of the provisions of section 3700 of the Labor Code, which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of work of this Contract.

Signed: _____ Date: _____

Article 22. WARRANTY

Contractor warrants to County that materials and equipment furnished for the Work will be of good quality and new, unless otherwise required or permitted under the Contract Documents, that the Work will be free from defects or flaws and is of the highest quality of workmanship and that the Work will conform with the requirements herein. Work not conforming to these requirements, including substitutions not properly approved and authorized, shall be considered defective.

Article 23. RESOLUTION OF CLAIMS

Contractor's attention is directed to California Public Contract Code section 9204, which describes procedures for the resolution of claims on public works projects. Among other things, section 9204 requires the claimant to furnish reasonable documentation to support a claim, requires the public entity to respond to the claim within forty-five (45) days of receipt of the claim, and allows for the claimant to demand an informal meet and confer conference for settlement of the issues in dispute. For any portion of a claim that remains in dispute, section 9204 requires submission of the claim to nonbinding mediation. Additionally, section 9204 requires the public entity to make any payment due on an undisputed portion of the claim within sixty (60) days of the public entity's written response and to pay interest at the rate of seven percent (7%) per annum on any amounts not paid in a timely manner. The provisions of sections 20104, et seq. also apply to the resolution of claims under this Contract to the extent those sections are not in conflict with section 9204.

Article 24. APPRENTICES

24.1 For purposes of this Article 24, the term Subcontractor shall not include suppliers, manufacturers, and distributors.

24.2 Only apprentices, as defined in Labor Code section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4, Division 3, of the State of California Labor Code, are eligible to be employed by Contractor and Subcontractors as apprentices. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and written apprentice agreements under which the apprentice is training and in accordance with prevailing wage law pursuant to the Labor Code, including but not limited to section 1777.5. The Contractor bears responsibility for compliance with this section for all apprenticeable occupations.

24.3 Every apprentice shall be paid the standard wage to apprentices, under the regulations of the craft or trade at which the apprentice is employed and shall be employed only at the Work in the craft or trade to which the apprentice is indentured.

24.4 When Contractor or Subcontractors employ workers in any apprenticeship craft or trade on the Work, Contractor or Subcontractors shall 1) send contract award information to the applicable joint apprenticeship committee that can supply apprentices to the site of the public work and 2) apply to the joint apprenticeship committee, which administers the apprenticeship standards of the craft or trade in the area of the Project site, for a certificate approving Contractor or Subcontractors under the apprenticeship standards for the employment and training of apprentices in the area of the Project site. The committee will issue a certificate fixing the number of apprentices or the ratio of apprentices to journeypersons who shall be employed in the craft or trade on the Work. The ratio will not exceed that stipulated in the apprenticeship standards under which the joint apprenticeship committee operates; but in no case shall the ratio be less than 1 hour of **apprentice** work for every 5 hours of journeyperson work, except as permitted by law. Contractor or Subcontractors shall, upon the issuance of the approval certificate in each such craft or trade, employ the number of apprentices or the ratio of apprentices to journeypersons fixed in the certificate issued by the joint apprenticeship committee or present an exemption certificate issued by the Division of Apprenticeship Standards.

24.5 "Apprenticeship craft or trade," as used in this Article 24, shall mean a craft or trade determined as an apprenticeship occupation in accordance with rules and regulations prescribed by the Apprenticeship Council.

24.6 If Contractor or Subcontractors employ journeyworkers or apprentices in any apprenticeship craft or trade in the area of the Project site, and there exists a fund for assisting to allay the cost of the apprenticeship program in the trade or craft, to which fund or funds other contractors in the area of the Project site are contributing, Contractor and Subcontractors shall contribute to the fund or funds in each craft or trade in which they employ journeyworkers or apprentices on the Work in the same amount or upon the same basis and in the same manner done by the other contractors. Contractor may include the amount of such contributions in computing its bid for the Contract; but if Contractor fails to do so, it shall not be entitled to any additional compensation therefor from County.

24.7 In the event Contractor willfully fails to comply with this Article 24, it will be considered in violation of the requirements of the Contract.

24.8 Nothing contained herein shall be considered or interpreted as prohibiting or preventing the hiring by Contractor or Subcontractors of journeyworker trainees who may receive on-the-job training to enable them to achieve journeyworker status in any craft or trade under standards other than those set forth for apprentices.

Article 25. RETAINAGE

The retainage from payments is set forth in Section 6.4 "WITHHOLDINGS FROM PAYMENTS" of the Conditions of the Contract. Contractor may elect to receive one hundred percent (100%) of payments due as set forth in the Contract Documents, without retention, by depositing securities of equivalent value with County, in accordance with, and as set forth in section 22300 of the Public Contract Code. Securities eligible for deposit hereunder shall be limited to those listed in Government Code section 16430, or bank or savings and loan certificates of deposit.

Article 26. PREVAILING WAGE REQUIREMENTS

In accordance with the provisions of Labor Code section 1770, et seq., the general prevailing rate of wages in the county in which the Work is to be done has been determined by the Director of the California Department of Industrial Relations. Interested parties can obtain the current wage information by submitting their requests to the Department of Industrial Relations, Division of Labor Statistics and Research, P.O. Box 420603, San Francisco, CA 94142-0603, Telephone (415) 703-4708 or by referring to the website at <http://www.dir.ca.gov/dlsr/PWD>. The rates at the time of the bid advertisement date of a project will remain in effect for the life of the project in accordance with the California Code of Regulations, as modified and effective January 27, 1997. Copies of the general prevailing rate of wages in the county in which the Work is to be done are also on file at the Environmental Management Department and are available upon request.

In accordance with the provisions of Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work upon all work done hereunder, and Contractor and any subcontractor employed under this Contract shall conform to and be bound by the provisions of Labor Code sections 1810 through 1815.

Article 27. CERTIFIED PAYROLL

As required under the provisions of Labor Code section 1776, Contractor and any subcontractors shall keep accurate payroll records as follows:

27.1. The payroll records shall show the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by Contractor or subcontractors in connection with this Project.

27.2 A certified copy of all payroll records enumerated above shall be available for inspection at all reasonable hours at the principal office of Contractor as follows:

- a. Make available or furnish to the employee or his or her authorized representative on request.
- b. Make available for inspection or furnished upon request to a representative of County, the State Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the State Department of Industrial Relations.
- c. Make available upon request by the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either County, the State Division of Labor Standards Enforcement, or the State Division of Apprenticeship Standards. The requesting party shall, prior to being provided the records, reimburse the costs of preparation by Contractor, subcontractor, and the entity through which the request was made. The public shall not be given access to the records at the principal office of Contractor.
- d. All contractors and subcontractors must furnish electronic certified payroll records directly to the Department of Industrial Relations.

Article 28. NON-DISCRIMINATION

28.1. County may require Contractor's services on projects involving funding from various state and/or federal agencies, and as a consequence, Contractor shall comply with all applicable nondiscrimination statutes and regulations during the performance of this Agreement including but not limited to the following: Contractor and its employees and representatives shall not unlawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, genetic information, military or veteran status, marital status, age, gender, gender identity, gender expression, sexual orientation, or sex; Contractor shall, unless exempt, comply with the applicable provisions of the Fair Employment and Housing Act (Government Code section 12900, et seq.) and applicable regulations promulgated thereunder (2 California Code of Regulations section 11000, et seq.); the applicable regulations of the Fair Employment and Housing Commission implementing Government Code section 12990, set forth in Subchapter 5 Chapter

5 of Division 4.1 of Title 2 of the California Code of Regulations incorporated into this Agreement by reference and made a part hereof as if set forth in full; and Title VI of the Civil Rights Act of 1964, as amended. Contractor and its employees and representatives shall give written notice of their obligations under this clause as required by law.

28.2. Where applicable, Contractor shall include these nondiscrimination and compliance provisions in any of its agreements that affect or are related to the services performed herein.

28.3. Contractor's signature shall provide any certifications necessary under the federal laws, the laws of the State of California, including but not limited to Government Code section 12990 and 2 California Code of Regulations section 11102.

Article 29. DRUG-FREE WORKPLACE

Contractor shall comply with Government Code section 8355.

Article 30. CONFLICT OF INTEREST

The parties to this Agreement have read and are aware of the provisions of Government Code section 1090, et seq. and the Political Reform Act of 1974 (section 87100, et seq.), relating to conflict of interest of public officers and employees. Individuals who are working for Contractor and performing work for County and who are considered to be consultant within the meaning of 2 California Code of Regulations section 18700.3, as it now reads or may thereafter be amended, are required to file a statement of economic interest in accordance with County's Conflict of Interest Code. County's Contract Administrator shall at the time this Agreement is executed make an initial determination whether or not the individuals who will provide services or perform work pursuant to this Agreement are consultants within the meaning of the Political Reform Act and County's Conflict of Interest Code. Statements of economic interests are public records subject to disclosure under the California Public Records Act.

Contractor covenants that during the term of this Agreement neither it, nor any officer or employee of the Contractor, has or shall acquire any interest, directly or indirectly, in any of the following:

1. Any other contract connected with, or directly affected by, the services to be performed by this Agreement.
2. Any other entities connected with, or directly affected by, the services to be performed by this Agreement.
3. Any officer or employee of County that are involved in this Agreement.

If Contractor becomes aware of a conflict of interest related to this Agreement, Contractor shall promptly notify County of the existence of that conflict, and County may, in its sole discretion, immediately terminate this Agreement by giving written notice of termination specified in Article 17.

Article 31. SUBCONTRACTORS

31.1 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

31.1.1 Unless otherwise stated in the Contract Documents, Contractor shall submit in writing, prior to entering into subcontract agreements, the names and addresses of all Subcontractors proposed for the Work that were not previously listed in Contractor's Bid. Where subcontractors are used, the provisions of Public Contract Code sections 4100-4114 apply to this Agreement.

31.1.2 Subcontractors may be disqualified by County or County's Representative in accordance with the Subletting and Subcontracting Fair Practices Act.

31.1.3 In accordance with the Subletting and Subcontracting Fair Practices Act, nothing herein shall be deemed to entitle Contractor, without the approval of County, to substitute other subcontractors for those named in Contractor's List of Subcontractors and List of Changes in Subcontractors Due to Alternates contained in the completed Bid Form; and, except with such approval, no such substitution shall be made.

31.1.4 Except as hereinafter provided, any increase in the cost of the Work resulting from the replacement or substitution of a Subcontractor, as required by County or County's Representative pursuant to Article 31.1.1 shall be borne solely by Contractor and Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time on account of such replacement or substitution.

31.1.5 Contractor Responsible for Subcontractor's Acts: Contractor shall be fully responsible to County for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

31.1.6 Contractor's Subcontract: Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind subcontractors to Contractor by the terms of the Contract Documents insofar as applicable to the Work of subcontractors and to give Contractor the same power as regards terminating any subcontract that County may exercise over Contractor under any provisions of the Contract Documents. The percentage of retention withheld from any subcontractor by the Contractor shall not exceed the percentage of retention withheld from the Contractor as provided herein.

31.1.7 Ineligible Subcontractor: Contractor is prohibited from performing work with a subcontractor who is ineligible to perform work pursuant to Labor Code section 1777.1 or 1777.7.

31.2 SUBCONTRACTUAL RELATIONS

31.2.1 Any part of the Work performed for Contractor by a first-tier Subcontractor shall be pursuant to a written subcontract. Each such subcontract shall require the Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to Contractor by the terms of the Contract Documents, to assume toward Contractor all the obligations and responsibilities which Contractor assumes towards County by the Contract Documents, and to perform such portion of the Work in accordance with the Contract Documents. Each such subcontract shall preserve and protect the rights of County under the Contract Documents, with respect to the Work to be performed by Subcontractor, so that subcontracting thereof will not prejudice such rights. Contractor shall cause each such subcontract to expressly include the following requirements:

31.2.1.1 Subcontractor waives all rights that Subcontractor may have against County for damages caused by fire or other perils covered by builder's risk property insurance carried by Contractor or County.

31.2.1.2 County and entities and agencies designated by County will have access to and the right to audit and the right to copy at County's cost all of Subcontractor's books, records, contracts, correspondence, instructions, drawings, receipts, vouchers, purchase orders, and memoranda relating to the Work. Subcontractor shall preserve all such records and other items for a period of at least 3 years after Final Completion.

31.2.2 Upon the request of County, Contractor shall promptly furnish to County a true, complete, and executed copy of any subcontract.

31.2.3 Contractor and its subcontractors must pay subcontractors within seven (7) business days of receipt of each progress payment, unless otherwise agreed to in writing (Bus & Prof Code § 7108.5), the respective amounts allowed the contractor on account of the work performed by the subcontractors, to the extent of each subcontractor's interest therein.

Article 32. CONTRACTOR REGISTRATION

In accordance with Labor Code section 1771.1, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Public Contract Code section 4104, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Business and Professions Code section 7029.1 or by Public Contract Code sections 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Labor Code section 1725.5 at the time the contract is awarded. The contractor must post job site notices as prescribed by regulation 8 California Code of Regulations section 16451. All contractors and

subcontractors must furnish electronic certified payroll records directly to the Department of Industrial Relations (DIR). The work is subject to compliance monitoring and enforcement by the DIR.

Article 33. AUDIT BY CALIFORNIA STATE AUDITOR

Audit by California State Auditor: Contractor acknowledges that if total compensation under this agreement is greater than \$10,000, this Agreement is subject to examination and audit by the California State Auditor for a period of three (3) years, or for any longer period required by law, after final payment under this Agreement, pursuant to Government Code section 8546.7. In order to facilitate these potential examinations and audits, Contractor shall maintain, for a period of at least three (3) years, or for any longer period required by law, after final payment under the contract, all books, records and documentation necessary to demonstrate performance under the Agreement.

Article 34. TAXES

Contractor certifies that as of today's date, it is not in default on any unsecured property taxes or other taxes or fees owed by Contractor to County. Contractor agrees that it shall not default on any obligations to County during the term of this Agreement.

Article 35. LICENSES

Contractor warrants and represents that it holds a valid California license pursuant to the Contractors' State License Law (Business and Professions Code section 7000, et seq.), that its license is in good standing and that it possesses **Class A – General Engineering Contractors License** as required by the categories and type of the Work. Copies of Contractor's State Contractors' license must be provided with this Agreement.

In addition, Contractor hereby represents and warrants that Contractor and any of its subcontractors employed under this Agreement has all the applicable licenses, permits, and certifications that are legally required for Contractor and its subcontractors to practice its profession or provide the services or work contemplated under this Agreement in the State of California. Contractor and its subcontractors shall obtain or maintain said applicable licenses, permits, or certificates in good standing throughout the term of this Agreement.

Article 36. BUSINESS LICENSE

The County Business License Ordinance provides that it is unlawful for any person to furnish supplies or services, or transact any kind of business in the unincorporated territory of El Dorado County without possessing a County business license unless exempt under County Ordinance Code section 5.08.070. Contractor warrants and represents that it shall comply with all of the requirements of the County Business License Ordinance, where applicable, prior to beginning work under this Contract and at all times during the term of this Contract.

Article 37. WAIVER

No failure on the part of the parties to exercise any rights under this Agreement, and no course of dealing with respect to any right hereunder shall operate as a waiver of that right, nor shall any single or partial exercise of any right preclude the exercise of any other right. The remedies herein provided are cumulative and are not exclusive of any other remedies provided by law.

Article 38. FORCE MAJEURE

Neither party will be liable for any delay, failure to perform, nor omission under this Agreement that is due to any cause that it is beyond its control, not due to its own negligence, and cannot be overcome by the exercise of due diligence. In that event, the affected party will:

38.1 Promptly give written notice to the other of the fact that it is unable to so perform and the cause(s) that is beyond its control.

38.2 Once the cause(s) has ceased, provide written notice to the other party and immediately resume its performance under this Agreement.

For purposes of this Article, “cause that is beyond its control” includes labor disturbances, riots, fires, earthquakes, floods, storms, lightning, epidemics, war, disorders, hostilities, expropriation or confiscation of properties, failure of and delays by carriers, interference by civil or military authorities, whether legal or de facto, and whether purporting to act under some constitution, decree, or law, or otherwise, or acts of God.

Article 39. CALIFORNIA RESIDENCY (Form 590)

If Contractor is a California resident, Contractor must file a State of California Form 590, certifying its California residency or, in the case of a limited liability company or corporation, certifying that it has a permanent place of business in California. Contractor will be required to submit a Form 590 prior to execution of this Agreement, or County shall withhold seven (7) percent of each payment made to Contractor during the term of this Agreement. This requirement applies to any agreement/contract exceeding \$1,500.

Article 40. NONRESIDENT WITHHOLDING

If Contractor is not a California resident, Contractor shall provide documentation that the State of California has granted a withholding exemption or authorized reduced withholding prior to execution of this Agreement or County shall withhold seven (7%) percent of each payment made to the Contractor during term of the Agreement as required by law. This requirement applies to any agreement/contract exceeding \$1,500.00. Contractor shall indemnify and hold County harmless for any action taken by the California Franchise Tax Board.

Article 41. COUNTY PAYEE DATA RECORD FORM

All independent contractors or corporations providing services to County who do not have a Department of the Treasury Internal Revenue Service Form W-9 (Form W-9) on file with County must file a County Payee Data Record Form with County.

Article 42. CONTRACTOR TO COUNTY

It is understood that the services provided under this Agreement shall be prepared in and with cooperation from County and its staff. It is further understood that this Agreement does not create an exclusive relationship between County and Contractor, and Contractor may perform similar work or services for others. However, Contractor shall not enter into any agreement with any other party or provide any information in any manner to any other party, that would conflict with Contractor's responsibilities or hinder Contractor's performance of services hereunder, unless County's Contract Administrator, in writing, authorizes that agreement or sharing of information.

Article 43. ASSIGNMENT AND DELEGATION

Contractor is engaged by County for its unique qualifications and skills as well as those of its personnel. Neither this Agreement, nor any part thereof, or any monies due or to become due hereunder, may be assigned by Contractor without the written approval of the County, nor without the consent of the Surety unless the Surety has waived its right to notice of assignment in writing.

Contractor shall not subcontract, delegate, or assign the Work to be performed, in whole or in part, to any other person or entity without prior written consent of County. Contractor covenants that if there is a change or transfer in ownership of Contractor's business prior to the completion of this Agreement, the new owner(s) shall be required under the terms of sale or other transfer document to assume Contractor's duties and obligations contained in this Contract and complete them to the satisfaction of

County. Contractor further covenants that the terms of sale or other transfer document shall require notice be given to County of the change or transfer in ownership of Contractor's business within thirty (30) days of the effective date of the transfer. In the event of a sale or transfer of Contractor's business prior to the completion of this Agreement, County retains the right to terminate or cancel the contract as provided for herein, or to renegotiate the terms of the agreement, or to amend the existing Agreement.

Article 44. COMPLIANCE WITH APPLICABLE LAW

In the performance of this Contract, Contractor shall comply with all applicable Federal, State, and local laws, rules, regulations, ordinances, directives, guidelines, policies and procedures, and all provisions required thereby to be included in this Agreement are hereby incorporated herein by reference. To the extent applicable, all Work and materials shall be in full accordance with the latest rules and regulations of the State Fire Marshal, safety orders of the Division of Industrial Safety, California Electrical Code, California Building Code, California Plumbing Code, and any and all other applicable laws and regulations. Nothing in this Agreement, including but not limited to, any directions, plans or specifications provided to Contractor, is to be construed to permit Work not conforming to these codes.

The Contractor shall indemnify, defend, and hold harmless the County, its officers, employees, and agents, from and against any and all claims, demands, damages, liabilities, losses, costs, and expenses, including, without limitation, to defense costs and legal, accounting and other expert, consulting or professional fees, arising from, connected with, or related to any failure by Contractor, its officers, employees, agents, or subcontractors, to comply with any such laws, rules, regulations, ordinances, directives, guidelines, policies, or procedures, as determined by County in its sole judgment. Any legal defense pursuant to Contractor's indemnification obligations under this Article shall be conducted by Contractor and performed by counsel selected by Contractor and approved by County. Notwithstanding the preceding sentence, County shall have the right to participate in any such defense at its sole cost and expense, except that in the event Contractor fails to provide County with a full and adequate defense, as determined by County in its sole judgment, County shall be entitled to retain its own counsel, including, without limitation, County Counsel, and reimbursement from Contractor for all such costs and expenses incurred by County in doing so. Contractor shall not have the right to enter into any settlement, agree to any injunction or other equitable relief, or make any admission, in each case, on behalf of County without County's prior written approval.

Article 45. COMPLIANCE WITH FAIR EMPLOYMENT PRACTICES LAWS

County may require Contractor's services on projects involving funding from various state and/or federal agencies, and as a consequence, Contractor shall comply with all applicable nondiscrimination statutes and regulations during the performance of this Agreement including but not limited to the following: Contractor and its employees and representatives shall not unlawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, genetic information, military or veteran status, marital status, age, gender, gender identity, gender expression, sexual orientation, or sex; Contractor shall, unless exempt, comply with the applicable provisions of the Fair Employment and Housing Act (Government Code section 12900, et seq.) and applicable regulations promulgated thereunder (2 California Code of Regulations section 11000, et seq.); the applicable regulations of the Fair Employment and Housing Commission implementing Government Code section 12990, set forth in Subchapter 5 of Chapter 5 of Division 4.1 of Title 2 of the California Code of Regulations incorporated into this Agreement by reference and made a part hereof as if set forth in full; the Federal Fair Labor Standards Act, as stated in 29 USC section 203, et. Seq., and as updated from time to time; and Title VI of the Civil Rights Act of 1964, as amended. Contractor and its employees and representatives shall give written notice of their obligations under this clause as required by law.

Where applicable, Contractor shall include these nondiscrimination and compliance provisions in any of its agreements that affect or are related to the services performed herein. Contractor shall permit access to the records of employment, employment advertisements, application forms and other pertinent data and records by County, the State of California, the California Fair Employment and Housing Commission, or any other agency of the State of California designated by the state for purposes of investigation to ascertain compliance with this Article. Contractor's signature executing this Agreement shall provide any certifications necessary under the federal laws, the laws of the State of California, including but not limited to Government Code section 12990 and 2 California Code of Regulations section 11102.

The Contractor shall indemnify, defend, and hold harmless the County and its agents, officers, and employees from any and all liability, including, but not limited to, wages, overtime pay, liquidated damages, penalties, court costs, and attorneys' fees arising under any wage and hour law, including, but not limited to, the Federal Fair Labor Standards Act, for work performed by the Contractor's employees for which the County may be found jointly or solely liable. County may determine a willful violation of this Article to have occurred upon receipt of a final judgment to that effect from a court in an action to which Contractor was a party, or upon receipt of a written notice from the Fair Employment and Housing Commission that it has investigated and determined that Contractor has violated the Fair Employment Practices Act and had issued an order under Labor Code section 1426 which has become final or has obtained an injunction under Labor Code Section 1429. For willful violation of this Article, County shall have the right to terminate this Agreement either in whole or in part, and any loss or damage sustained by County in securing the goods or services thereunder shall be borne and paid for by Contractor and by the surety under the performance bond, if any, and County may deduct from any moneys due or thereafter may become due to Contractor the difference between the price named in the Agreement and the actual cost thereof to County to cure Contractor's breach of this Agreement.

Article 46. COMPLIANCE WITH DISABILITY ACTS

Contractor shall comply with: (a) section 504 of the Rehabilitation Act of 1973 which prohibits discrimination on the basis of disability in federally assisted programs; (b) the Americans with Disabilities Act (ADA) of 1990 which prohibits discrimination on the basis of disability irrespective of funding; and (c) all applicable regulations and guidelines issued pursuant to both the Rehabilitation Act and the ADA.

Article 47. EMPLOYMENT ELIGIBILITY VERIFICATION

The Contractor warrants that it fully complies with all Federal and State statutes and regulations regarding the employment of aliens and others and that all its employees performing work under this Agreement meet the citizenship or alien status requirements set forth in Federal and State statutes and regulations. The Contractor shall obtain from all employees performing work hereunder, all verification and other documentation of employment eligibility status required by Federal and State statutes and regulations including, but not limited to, the Immigration Reform and Control Act of 1986, (P.L. 99-603), or as they currently exist and as they may be hereafter amended. The Contractor shall retain all such documentation for all covered employees for the period prescribed by law.

The Contractor shall indemnify, defend, and hold harmless, the County, its agents, officers, and employees from employer sanctions and any other liability which may be assessed against the Contractor or the County or both in connection with any alleged violation of any Federal or State statutes or regulations pertaining to the eligibility for employment of any persons performing work under this Agreement.

Article 48. DEVIATION FROM PLANS AND SPECIFICATIONS

No deviation shall be made from the plans and/or the specifications, if any, without the prior written approve of the County.

Article 49. UNITY OF PLANS AND SPECIFICATIONS

The plans and specifications, if any, are one document, and any work shown or mentioned, in one and not in the other, or vice versa, shall be furnished or performed as though mentioned or shown in both.

Article 50. ADDITIONAL WORK

County reserves the right to make such alterations, deviations, additions to, or deletions from the plans and specifications, including the right to increase or decrease the quantity of any item or portion of work or to delete any items or portion of work, as may be deemed by the Contract Administrator or Project Manager to be necessary or advisable, and to require such additional work to be required for the proper completion of the whole Work contemplated.

Any such changes will be set forth in a written Contract Change Order (Change Order) which will specify the additional work, adjustment of performance time, if any, and basis for additional compensation, if any. Any Change Order shall not become effective until approved by the Environmental Management Department's Manager, or where required, by the Board of Supervisors.

Article 51. ACCESS TO THE WORK

County, and any state or local authorities having jurisdiction over the Project, shall at all times have access to the Work.

Article 52. NO THIRD-PARTY BENEFICIARIES

Nothing in this Agreement is intended, nor will be deemed, to confer rights or remedies upon any person or legal entity not a party to this Agreement.

Article 53. RECYCLED BOND PAPER

Contractor agrees to use recycle-content paper to the maximum extent possible on this Agreement.

Article 54. CONTRACT ADMINISTRATOR

The County Officer or employee with responsibility for administering this Agreement is Robert Brillisour, Environmental Management, Disposal Site Supervisor, or successor.

Article 55. AUTHORIZED SIGNATURES

The parties hereto represent that the undersigned individuals executing this Agreement on their behalf are fully authorized to do so by law or other appropriate instrument and to bind upon said parties the obligations set forth herein.

Article 56. PARTIAL INVALIDITY

If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will continue in full force and effect without being impaired or invalidated in any way.

Article 57. ENTIRE AGREEMENT

This document and the documents referred to herein or exhibits hereto are the entire Agreement between the parties and they incorporate or supersede all prior written or oral agreements or understandings.

LIST OF EXHIBITS:

Exhibit A – Application and Certificate for Payment

IN WITNESS WHEREOF, the said Environmental Management Department of the County of El Dorado, State of California, has caused this Agreement to be executed by County's Board of Supervisors, on its behalf, and the said Contractor has signed this Agreement the day and year written below.

C O U N T Y O F E L D O R A D O

By: _____ Dated: _____
, Chair
Board of Supervisors
County of El Dorado

ATTEST:
Kim Dawson, Clerk
Of the Board of Supervisors

By: _____ Dated: _____
Deputy Clerk

C O N T R A C T O R

By: _____ Dated: _____
President

By: _____ Dated: _____
Secretary

License No.: _____ Federal Employer Identification No. _____

NOTE: If Contractor is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation; if Contractor is a co-partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the co-partnership; and if Contractor is an individual, his/her signature shall be placed above. Contractor executing this document on behalf of a corporation or partnership shall be prepared to demonstrate by resolution, article, or otherwise that it is appropriately authorized to act in these regards. For such corporation or partnership, such authority shall be demonstrated to the satisfaction of County. If signature is by an agent, other than officer of a corporation or a member of a partnership, an appropriate Power of Attorney shall be on file with the Department prior to signing this document.

Mailing Address: _____

Business Address: _____

City, Zip: _____

Phone: _____ Fax: _____

APPLICATION AND CERTIFICATE FOR PAYMENT - EXHIBIT A

PAGE 1 OF 2 PAGES

TO OWNER:
 El Dorado County
 2850 Fairlane Court, Building C
 Placerville, California 95667

FROM CONTRACTOR:

Project:
 Bid #2025-0107
 Union Mine Wastewater
 Treatment Plant Centrifuge
 Control Panel Project

APPLICATION #: 1

PERIOD TO:

PROJECT NOS:

CONTRACT DATE:

Distribution to:

 County
 Cont Adm
 Contractor

Application is made for payment, as shown below, in connection with the Contract.
 Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM----- \$

2. Net change by Change Orders-----\$

3. CONTRACT SUM TO DATE (Line 1 +/- 2) \$

4. TOTAL COMPLETED & STORED TO DATE-\$
 (Column G on Continuation Sheet) \$

5. RETAINAGE:

a. of Completed Work \$
 (Columns D+E on Continuation Sheet)

b. of Stored Material \$
 (Column F on Continuation Sheet)

Total Retainage (Line 5a + 5b or

Total in Column 1 of Continuation Sheet----- \$

6. TOTAL EARNED LESS RETAINAGE-----\$
 (Line 4 less Line 5 Total)

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT

(Line 6 from prior Certificate)----- \$

8. CURRENT PAYMENT DUE-----\$

9. BALANCE TO FINISH, INCLUDING RETAINAGE
 (Line 3 less Line 6) \$

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due.

CONTRACTOR:

By: _____ Date: _____

State of: California
 County of: El Dorado

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on on-site observations and the data comprising application, the Contract Administrator certifies to El Dorado County that to the best of the Contract Administrator's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ----- \$

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that are changed to conform to the amount certified.)

CONTRACT ADMINISTRATOR

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner of Contractor under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Contract Administrator		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

Exhibit "A"

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

PROJECT: Bid #2025-0107

Union Mine Wastewater Treatment Plant Centrifuge Control Panel Project

Page 2 of 2 Pages

APPLICATION NUMBER: 1

APPLICATION DATE:

PERIOD TO:

CONTRACTOR'S PROJECT NO:

A Item No.	B Description of Work	C Scheduled Value	D E Work Completed		F Materials Presently Stored (Not In D or E)	G Total Completed And Stored To Date (D + E + F)	H % (G/C)	I Balance To Finish (C - G)	Retainage
			From Previous Application (D + E)	This Period					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
	SUBTOTALS PAGE 2								

COUNTY OF EL DORADO

PAYMENT BOND

(Section 9550, Civil Code)

Bond No. _____

WHEREAS, the County of El Dorado, a political subdivision of the State of California, hereafter referred to as "Obligee", has awarded to Contractor

hereafter referred to as "Principal", a contract for the work described as follows:

**UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT
BID #2025-0107**

AND, WHEREAS, said Principal is required to furnish a bond in connection with said contract, guaranteeing the faithful performance thereof:

NOW, THEREFORE, we the undersigned Principal and Surety are held and firmly bound unto the Obligee, in the sum of _____ Dollars, (\$_____) to be paid to the Obligee, for which payment we bind ourselves, jointly and severally.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if said Principal or its subcontractors shall fail to pay any of the persons named in Civil Code Section 9100, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by such claimant, or any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from the wages of employees of the Principal and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work and labor, that the Surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the Surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any of the persons named in Civil Code Section 9100 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Dated: _____

Correspondence or Claims relating to this bond should be sent to the Surety at the following address:

PRINCIPAL

SURETY

ATTORNEY-IN-FACT

NOTE: Signatures of those executing for the Principal and for the Surety must be properly acknowledged, and a Power of Attorney attached for the Surety.

NOTARY ACKNOWLEDGMENTS ATTACHED

PRINCIPAL

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared _____

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

SURETY

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared _____

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

COUNTY OF EL DORADO

PERFORMANCE BOND

Bond No. _____

KNOW ALL MEN BY THESE PRESENTS, that we _____

the Contractor in the Contract hereto annexed, as Principal, and _____

as Surety, are held firmly bound unto the County of El Dorado, a political subdivision of the State of California, hereinafter called the "Obligee" in the sum of _____ **DOLLARS,**

(\$ _____) lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

Signed, sealed and dated: _____

The condition of the above obligation is such that if said Principal as Contractor in the Contract hereto annexed shall faithfully perform each and all of the conditions of said Contract to be performed by him, and shall furnish all tools, equipment, apparatus, facilities, transportation, labor and material, other than material, if any, agreed to be furnished by the Obligee, necessary to perform and complete, and to perform and complete in a good and workmanlike manner, the work of **BID #2025-0107 for the UNION MINE WASTEWATER TREATMENT PLANT CENTRIFUGE CONTROL PANEL PROJECT** in strict conformity with the terms and conditions set forth in the Contract hereto annexed, then this obligation shall be null and void; otherwise this bond shall remain in full force and effect and the said Surety will complete the Contract work under its own supervision, by Contract or otherwise, and pay all costs thereof for the balance due under terms of the Contract, and the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

This guarantee shall insure the Obligee during the work required by any Contract and for a period of one (1) year from the date of acceptance of the work against faulty or improper materials or workmanship that may be discovered during that time.

No right of action shall accrue under this bond to or for the use of any person other than the Obligee named herein.

Dated: _____, 20 _____.

Correspondence or Claims relating to this bond should be sent to the Surety at the following address:

PRINCIPAL

SURETY

ATTORNEY-IN-FACT

NOTE: Signatures of those executing for the Principal and the Surety must be properly acknowledged, and a Power of Attorney attached for the Surety.

NOTARY ACKNOWLEDGMENTS ATTACHED

PRINCIPAL

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared _____

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

SURETY

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of _____

On _____ before me, _____,
(here insert name and title of the officer)

personally appeared _____

_____ ,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

2023 Withholding Exemption Certificate

590

The payee completes this form and submits it to the withholding agent. The withholding agent keeps this form with their records.

Withholding Agent Information

Name _____

Payee Information

Name _____

 SSN or ITIN FEIN CA Corp no. CA SOS file no.

Address (apt./ste., room, PO box, or PMB no.) _____

City (If you have a foreign address, see instructions.) _____

State _____ ZIP code _____

Exemption Reason

Check only one box.

By checking the appropriate box below, the payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

Corporations:

The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

Partnerships or Limited Liability Companies (LLCs):

The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit-Sharing Plans:

The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE OF PAYEE:

Payee must complete and sign below.

Our privacy notice can be found in annual tax booklets or online. Go to ftb.ca.gov/privacy to learn about our privacy policy statement, or go to ftb.ca.gov/forms and search for 1131 to locate FTB 1131 EN-SP, Franchise Tax Board Privacy Notice on Collection. To request this notice by mail, call 800.338.0505 and enter form code 948 when instructed.

Under penalties of perjury, I declare that I have examined the information on this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. I further declare under penalties of perjury that if the facts upon which this form are based change, I will promptly notify the withholding agent.

Type or print payee's name and title _____ Telephone _____

Payee's signature ► _____ Date _____



County of El Dorado

OFFICE OF AUDITOR-CONTROLLER

JOE HARN, CPA
Auditor-Controller

BOB TOSCANO
Assistant Auditor-Controller

360 FAIR LANE
PLACERVILLE, CALIFORNIA 95667
Phone: (530) 621-5487 FAX: (530) 295-2535

PAYEE DATA RECORD

(Required in lieu of IRS W-9 when receiving payment from the County of El Dorado) Version: April 2014

PAYEE DATA RECORD	INSTRUCTIONS: Complete all information on this form. Sign, date, and return to the address shown at the bottom of this page. Prompt return of the fully completed form will prevent delays in processing payments. Information provided in this form will be used by the County of El Dorado to prepare Information Returns (Forms 1099), for withholding on payments to nonresident payees, and for reporting to the Employment Development Department (EDD).		
	Name (as shown on your income tax return) Business name/Doing business as/Disregarded entity name, if different from above Physical address (number, street, and apt. or suite) Remittance address (if different than physical) City, state, zip code City, state, zip code Phone number Fax number (optional) Email (optional)		
FEDERAL TAX CLASSIFICATION & EXEMPTIONS	Check appropriate federal tax classification <input type="checkbox"/> Individual / sole proprietor <input type="checkbox"/> Partnership <input type="checkbox"/> Trust / estate <input type="checkbox"/> Other (see instructions) ► _____ <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation If you are a corporation, do you provide legal or medical services? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C Corporation, S=S Corporation, P=Partnership) _____		
	NOTE: IF YOU ARE A SINGLE MEMBER LLC (DISREGARDED ENTITY), ENTER THE TAX CLASSIFICATION OF THE OWNER IDENTIFIED ON THE NAME LINE. Exempt payee code (if any) – see instructions Exemption from FATCA reporting code (if any) – see instructions		
TAX IDENTIFICATION NUMBER	Tax identification number (TIN) Enter your TIN in the appropriate box. If you are an individual or sole proprietor, you must enter your SSN. You may choose to provide your EIN in addition to, but not instead of, the SSN. Single member LLCs (disregarded entities) must enter the TIN of the owner identified on the Name line. Social Security Number _____ - _____ - _____ Employer Identification Number _____ - _____ - _____ - _____ - _____		
	Check appropriate box for residency status <input type="checkbox"/> California resident / exempt from nonresident withholding – qualified to do business in California or maintains a permanent place of business in California (attach CA Form 590) <input type="checkbox"/> California nonresident (see instructions) NOTE: Payments to California nonresidents for services performed in California and for certain rents derived from properties located in California that exceed \$1,500 in a calendar year will be subject to 7% nonresident withholding unless you have obtained a waiver or have been approved for reduced withholding by the Franchise Tax Board. There is no withholding on payments for product and for services performed outside of California. <input type="checkbox"/> Obtained Franchise Tax Board waiver of State withholding (attach a copy if applicable) <input type="checkbox"/> Obtained Franchise Tax Board approval for reduced withholding (attach a copy if applicable)		
RESIDENCY STATUS	California sales tax permit number (required only for California nonresident vendors that charge California sales tax)		
	Under penalties of perjury, I certify that: 1) the TIN shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me) and 2) I am not subject to backup withholding and 3) I am a U.S. citizen or other U.S. person and 4) the FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.		
CERTIFICATION	Authorized Payee Representative's Name (Type or Print)		Title
	Signature		Date
RETURN FORM TO	Should my residency status or any other information provided above change, I will promptly notify County of El Dorado at the address listed above.		
	Please return completed form to:		
	Department/office:		
	Mailing address:		
Phone:	Fax:	Email:	25-1094 C 51 of 132

COUNTY OF EL DORADO, PAYEE DATA RECORD (REVERSE)

PAYEE DATA RECORD	A completed Payee Data Record is required for payments to all entities and will be kept on file at the County of El Dorado Auditor-Controller's Office. Payees who do not wish to complete the Payee Data Record may elect to not do business with the County of El Dorado. If the payee does not complete the form and the required payee data is not otherwise provided, payment may be reduced for federal backup withholding, California backup withholding and California nonresident withholding.								
FEDERAL TAX CLASSIFICATION	<p>Check the applicable federal tax classification. Note that if an LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the "Name" line.</p> <p>Individual: Enter the name shown on your income tax return. If the account is in joint names, list first, and then circle, the name of the person or entity whose SSN you entered on the form.</p> <p>Sole proprietor: Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as" name on the "Business name/Doing business as/Disregarded entity name" line.</p> <p>Partnership, C Corporation, or S Corporation: Enter the entity's name on the "Name" line and any business, trade, or "doing business as" name on the "Business name/Doing business as/Disregarded entity name" line.</p> <p>Disregarded entity: Enter the owner's name on the "Name" line. The name of the entity entered on the "Name" line should never be a disregarded entity. The name on the "Name" line must be the name shown on the income tax return on which the income should be reported. Check the appropriate box for the U.S. federal tax classification of the person whose name is entered on the "Name" line (individual/sole proprietor, partnership, C corporation, S corporation, trust/estate).</p> <p>Limited liability company (LLC): If the person identified on the "Name" line is an LLC, check the "Limited Liability Company" box only and enter the appropriate code for the U.S. federal tax classification.</p> <p>Other entities: Enter your business name as shown on required U.S. federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade or DBA name on the "Business name/Doing business as/Disregarded entity name" line.</p>								
EXEMPTIONS	<p>Exemptions: If you are exempt from backup withholding and/or FATCA reporting, enter in the exemptions box any code(s) that may apply to you. Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions. The following codes identify payees that are exempt from backup withholding: 1 – an organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2); 2 – The United States or any of its agencies or instrumentalities; 3 – A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities; 4 – A foreign government or any of its political subdivisions, agencies, or instrumentalities; 5 – A corporation; 6 – A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States; 7 – A futures commission merchant registered with the Commodity Futures Trading Commission; 8 – A real estate investment fund; 9 – An entity registered at all times during the tax year under the Investment Company Act of 1940; 10 – A common trust fund operated by a bank under section 584(a); 11 – A financial institution; 12 – A middleman known in the investment community as a nominee or custodian; 13 – A trust exempt from tax under section 664 or described in section 4947.</p> <p>Exemption from FATCA reporting. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37); B—The United States or any of its agencies or instrumentalities; C—A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities; D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Reg. section 1.1472-1(c)(1)(i); E—A corporation that is a member of the same expanded affiliated group as a corporation described in Reg. section 1.1472-1(c)(1)(i); F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state.</p>								
TAX IDENTIFICATION NUMBER	<p>Enter your tax identification number (TIN) in the appropriate box. If you are a single member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN. The TIN for individuals and sole proprietors is the Social Security Number (SSN). Sole proprietors may provide their EIN in addition to but not instead of a SSN.</p> <p>The County of El Dorado requires that all parties entering into business transactions that may lead to payment(s) from the County provide their Taxpayer Identification Number (TIN). The TIN is also required by the California Revenue and Taxation Code Section 18646 to facilitate tax compliance enforcement activities and the preparation of Form 1099 and other information returns as required by the Internal Revenue Code Section 6109(a).</p>								
RESIDENCY STATUS	<p>Are you a California resident or nonresident?</p> <p>A corporation will be defined as a "resident" if it has a permanent place of business in California or is qualified through the Secretary of State to do business in California. A partnership is considered a resident partnership if it has a permanent place of business in California. An estate is a resident if the decedent was a California resident at time of death. A trust is a resident if at least one trustee is a California resident. For individuals and sole proprietors, the term "resident" includes every individual who is in California for other than a temporary or transitory purpose and any individual domiciled in California who is absent for a temporary or transitory purpose. Generally, an individual who comes to California for a purpose that will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.</p> <p>Payments to all nonresidents may be subject to withholding. Nonresident payees performing services in California or receiving certain rent, lease, or royalty payments from property (real or personal) located in California will have 7% of their total payments withheld for State income taxes. However, no withholding is required if total payments to the payee are \$1,500 or less for the calendar year or if payment is for product. Nonresidents who have been granted a waiver on payments of California source income from the California Franchise Tax Board must submit a copy of the waiver. For information on Nonresident Withholding, contact the Franchise Tax Board at the numbers listed below:</p> <table> <tr> <td>Withholding Services and Compliance Section:</td> <td>1-888-792-4900</td> <td>E-mail address:</td> <td>wscs.gen@ftb.ca.gov</td> </tr> <tr> <td>For hearing impaired with TDD, call:</td> <td>1-800-822-6268</td> <td>Website:</td> <td>www.ftb.ca.gov</td> </tr> </table> <p>California nonresidents charging California sales tax are required to provide their California sales tax number.</p>	Withholding Services and Compliance Section:	1-888-792-4900	E-mail address:	wscs.gen@ftb.ca.gov	For hearing impaired with TDD, call:	1-800-822-6268	Website:	www.ftb.ca.gov
Withholding Services and Compliance Section:	1-888-792-4900	E-mail address:	wscs.gen@ftb.ca.gov						
For hearing impaired with TDD, call:	1-800-822-6268	Website:	www.ftb.ca.gov						
CERTIFICATION	Provide the name, title, signature, and telephone number of the authorized individual completing this form. Provide the date the form was completed. NOTE: You must cross out item 2 in the certification block if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return.								

CERTIFICATE OF INSURANCE FORM FOR CONTRACTORS, ARCHITECTS AND/OR ENGINEERS

CERTIFICATE ISSUER PHONE ()	DATE EXECUTED: THIS CERTIFICATE DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. COMPANIES AFFORDING COVERAGE		
INSURED PHONE ()	COMPANY A LETTER COMPANY B LETTER COMPANY C LETTER COMPANY D LETTER COMPANY E LETTER	COMPANY RATING COMPANY RATING COMPANY RATING COMPANY RATING COMPANY RATING	
PROJECT DESCRIPTION PROJECT TITLE: PROJECT NUMBER: LOCATION:			

THIS IS TO CERTIFY that policies of insurance listed below have been issued to the insured named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusion and conditions of such policies.

CL	Type of Insurance Coverage	Policy Number	Policy Effective Date	Policy Expiration Date	Limits of Liability (in Thousands)
	GENERAL LIABILITY [] Commercial General Liability [] Occurrence [] Claims Made [] Owner's & Contractor's Protective [] General Aggregate * [] Per Project [] Per Location				GENERAL AGGREGATE \$ PRODUCTS-COMP/OPS AGGREGATE \$ PERSONAL & ADVERTISING INJURY \$ EACH OCCURRENCE \$ FIRE DAMAGE (ANY ONE FIRE) \$ MEDICAL EXPENSES (ANY ONE PERSON) \$ DEDUCTIBLE \$
	ARCHITECT'S AND/OR ENGINEER'S PROFESSIONAL LIABILITY [] Claims Made [] Project				GENERAL AGGREGATE \$ EACH CLAIM \$ DEDUCTIBLE \$
	AUTOMOBILE LIABILITY [] Any Auto [] All Owned Autos [] Scheduled Autos [] Hired Autos [] Non-Owned Autos [] Garage Liability				COMBINED SINGLE LIMIT \$ BODILY INJURY (PER PERSON) \$ BODILY INJURY (PER ACCIDENT) \$ PROPERTY DAMAGE \$ DEDUCTIBLE \$
	EXCESS LIABILITY [] Umbrella Form [] Other Than Umbrella Form				EACH OCCURRENCE \$ AGGREGATE \$
	[] WORKER'S COMPENSATION				-----STATUTORY-----
	EMPLOYER'S LIABILITY				(EACH ACCIDENT) \$ (DISEASE - POLICY LIMIT) \$ (DISEASE - EACH EMPLOYEE) \$
	OTHER [] Installation Floater [] Builder's Risk []				\$ \$ \$

* The General Aggregate limit, under Limits of Insurance, applies separately to each of the projects away from premises owned by or rented by you.

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS/ADDITIONAL INSURED: The County of El Dorado its officers, officials, employees and volunteers are made additional insured, but only insofar as the operations under this contract are concerned. OTHER ADDITIONAL INSURED:

CERTIFICATE HOLDER	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED OR TERMINATED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL GIVE THIRTY (30) DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, IN ADVANCE OF THE EFFECTIVE DATE OF SUCH CANCELLATION OR TERMINATION.
	AUTHORIZED REPRESENTATIVE SIGNATURE, TITLE, TYPED NAME, SSN AND PHONE NUMBER:

**UNION MINE WASTEWATER TREATMENT PLANT
CENTRIFUGE CONTROL PANEL PROJECT**

BID #2025-0107

CONDITIONS OF THE CONTRACT

ARTICLE 1

GENERAL PROVISIONS

1.1 BASIC DEFINITIONS

1.1.1 County: The County of El Dorado, a political subdivision of the State of California.

1.1.2 Owner: The County of El Dorado is the Owner and is identified as the Owner in the Contract and these Contract Conditions. The term Owner, and pronouns in place of the same shall mean the County of El Dorado acting by and through its duly authorized representative.

1.1.3 Owner's Representative: The Environmental Management Department, Environmental Management Department Manager, or designated representative.

1.1.4 Architect: The person holding a valid California State Architect's license, whose firm has been designated within the Contract Documents as the Architect to provide services on the Project. When the Architect is referred to within the Contract Documents and no Architect has in fact been designated, then the matter shall be referred to the County and shall be interpreted as Owner's Representative.

1.1.5 Project Manager: Project Manager or such other designated representative of the Owner. The Project Manager has such duties and authority as may be set forth in the Contract Documents.

1.1.6 Contractor: The person or entity identified as such in the Contract and is referred to throughout the Contract Documents as if singular in number. The term Contractor refers to the Contractor or the Contractor's authorized representative.

1.1.7 Inspector: The individual designated by the Owner as the Inspector as set forth in Paragraph 2.1.2.

1.1.8 Subcontractor: Those contractors, of whatever tier, furnishing labor or material, or both, for the Work under the Contract with the Contractor.

1.1.9 Substantial Completion: The stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use.

1.1.10 Final Acceptance: Conditions upon which the County will accept Work as satisfactorily completed in accordance with the Contract Documents. Requirements include, but are not limited to:

1. All Systems having been tested and accepted as having met requirements of the Contract Documents.
2. One (1) PDF format and one (1) hard copy of all as-builts, manufacturer's product data and maintenance manuals having been submitted by the Contractor and reviewed and accepted by the Owner.
3. All punch list work, as directed by the Owner, having been completed by the Contractor.
4. Acceptance of the Work by the Owner.

1.1.11 Final Payment: The Final Payment shall be the only Payment made to Contractor and shall not be considered to be the payment of any or all of the retention.

- 1.1.12 **Architect's Supplemental Instructions/Instruction Bulletins:** A written order of the Architect and reviewed by the Owner's Representative directing the Contractor to provide supplemental instructions, interpretations, or conduct minor changes in work involving neither extra cost nor extra time and being consistent with the scope and functioning of the project, if applicable.
- 1.1.13 **Change Order:** A Change Order is a document signed by the Owner and Contractor stating their agreement upon all of the following: 1) a change in the Work, 2) the amount of the adjustment in the Contract Price, if any, and 3) the extent of the adjustment in the contract term, if any.
- 1.1.14 **Contract Documents:** The Contract Documents shall include the documents described in Article 2 of the Contract, including Architect's Supplemental Instructions (if required), and Change Orders.
- 1.1.15 **Work:** The construction and services required by the Contract Documents, including all labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations.
- 1.1.16 **Project:** The total construction of the Work performed under the Contract Documents.
- 1.1.17 **Plans:** The graphic and pictorial portions of the Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams, specifically the plans and specifications for this Project.
- 1.1.18 **Claim:** A demand or assertion by the Contractor seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, extension of time, or other relief with respect to the terms of the Contract. Claims must be made by written notice and shall include a demand for the Owner's decision. The responsibility to substantiate claims and to resolve the claims of subcontractors of whatever tier shall rest with the Contractor.
- 1.1.19 **Work Not Included:** Except for such auxiliary work as shown or specified, or is necessary as part of the construction, the following is NOT included in this contract: Any work shown but marked "Not in Contract" (NIC) or otherwise designated to be done under another contract or by Owner.
- 1.1.20 **Furnish (material):** To supply and deliver to the project ready for installation and in operating condition.
- 1.1.21 **Install (Service or Labor):** To place in final position, complete, anchored, connected, and in operable condition with respect to required codes and/or governing agency requirements.
- 1.1.22 **Provide:** To furnish and install complete. When "Furnish", "Install", or "Provide" is stated, "Provide" is implied.
- 1.1.23 **Construct:** To "Furnish" materials to "Install" in final position, complete, anchored, and connected with respect to required codes, requirements, Contract Documents, and details.
- 1.1.24 **Day(s):** All references to "day" or "days" in these Contract Documents shall be defined as calendar-day or calendar-days.
- 1.1.25 **Normal Working Hours:** Includes the hours from 8:00 a.m. to 5:00 p.m., Pacific Time, Monday through Friday, except for County-recognized holidays.
- 1.1.26 **Contract:** The Agreement for Construction Services between Contractor and Owner.

1.2 CONTRACT DOCUMENTS

- 1.2.1 **One Document:** The Contract Documents are one document and any work shown or mentioned shall be performed or furnished. The Contractor admits and agrees that the Contract Documents exhibit the intent and purpose of the Owner in regard to the Work, and that they are not complete in every detail and are to be considered as showing the purpose and intent only; and Contractor further agrees to furnish all labor or material for any detail that is necessary to carry out the intent and purpose of the Specifications without extra charge.

1.2.2 **Misuse of Words or Punctuation:** The misplacement, addition, or omission of any word, letter, or punctuation mark will not in any way change the intent or meaning of the Contract Documents. Any part of the Work, or any article pertaining thereto which is not specifically set forth in these Contract Documents, but which is necessary for the proper completion of the Work, is to be supplied and set in place at the Contractor's expense, the same as if it had been mentioned in these Contract Documents. The Contractor shall furnish all things necessary to make a good and workmanlike job in accordance with the intent and purpose of the Contract Documents.

1.3 ASSIGNMENT OF CONTRACT

1.3.1 **Mutual Consent:** Neither party to the Contract shall assign the Contract without the written consent of the other party, nor shall the Contractor assign any moneys due or to become due to him hereunder without the written consent of the Owner.

1.4 WAIVER OF "COMMON PRACTICE"

1.4.1 The Contractor shall waive "common practice" and "common usage" as construction criteria wherever the Contract Documents details, plans, technical specifications, governing codes, or ordinances require greater quantity or better quality than common practice or common usage would require.

1.5 EXCESSIVE COSTS

1.5.1 **Failure to Comply with Contract:** If Contractor fails to comply with any Contract requirements, including any required coordination with other contractors, and that failure results in additional costs to Owner, then Contractor shall be liable for such additional costs.

1.5.2 **Construction Methods:** If Contractor's construction methods and techniques result in additional costs to Owner, after notice, such Contractor shall be responsible for cost attributable to his methods and techniques.

ARTICLE 2 OWNER

2.1 OWNER'S REPRESENTATIVE

2.1.1 **Owner Representative:** The Owner will be represented by the Owner's Representative who shall oversee the performance of the Contract on behalf of the Owner.

2.1.2 **Owner May Appoint Inspector:** Owner shall be entitled to appoint an agent as Inspector who shall see that the performance of the Work is in strict accordance with the Contract Documents on behalf of the Owner.

2.1.3 **Communication:** In order that the Owner may act upon expert advice and upon good procedure, all communications from the Contractor shall be in writing and will be through said Owner's Representative or Inspector, as the Owner may direct, and all communications and instructions from the Owner to the Contractor will be so routed. The Owner reserves the right to alter this procedure without the consent of the Contractor. All communications not in compliance herewith, shall be considered non-binding on the Owner.

2.2 RIGHTS OF OWNER

2.2.1 **Right to Clean Up:** Subject to the strict prohibition against maintaining a nuisance, if a dispute arises between the Contractor, Subcontractors, or separate contractors as to the responsibility under their respective Contracts for maintaining the premises and surrounding area free from waste materials and rubbish the Owner may, but need not, clean up and allocate the cost among those responsible as the Inspector determines to be just.

2.2.2 **Right to Accept Imperfect Work:** If any part or portion of the Work completed under this Contract is defective and not in accordance with the Plans or Contract Documents, and if the imperfection is judged by Owner to be not of sufficient magnitude or importance so as to make the Work unacceptable, then Owner shall have the right and authority to retain such Work but will make such deductions in Contract Price as may be equitable and reasonable. However, Owner does not by this section; waive any other rights provided for herein.

2.2.3 **Right to do Adjacent Work:** The Owner reserves the right to perform construction or operations on the site of the Work. In doing this Owner may use its own forces or award separate contracts in connection with other construction or operations on the site but not covered by the Contract Documents. Contractor shall defend, indemnify, and hold Owner harmless for costs incurred by Owner that are payable to a separate contractor because of delays, improperly timed activities, or defective construction by the Contractor, unless such costs are incurred due to the sole or active negligence of Owner.

2.2.4 **Right to Finish Contractor's Work:** If the Contractor defaults or neglects to carry out all or any part of the Work in accordance with the Contract Documents, the Owner has the right, exercisable solely at Owner's discretion, to commence and continue completion of the Work with diligence and promptness. In such an event, if the Owner's cost to complete the Work exceeds the remaining balance of the Contract with the Contractor, Contractor shall reimburse the Owner for such excess costs.

2.2.5 **Right of Partial Use of Project:** The Owner may occupy or use any completed or partially completed portion of the Work at any stage, upon agreement of Owner and Contractor.

1. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage if any, security, maintenance, heat, utilities, damage to work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents.
2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld.
3. Immediately prior to such partial occupancy or use, the Owner and Contractor shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.
4. Unless otherwise agreed upon in writing, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of work not complying with the requirements of the Contract Documents.
5. No claim for acceleration, delay, or hindrance, may be made by Contractor on his own behalf or that of any of his subcontractors, for any delays, accelerations, or hindrances that may arise out of Owner's partial occupancy of the Project.

2.2.6 **Right to Audit:** Contractor shall maintain and make available to the County, State Auditor, or to any of their duly authorized representatives all books, papers, job cost records, detailed cost estimates, claims, and accounts, including payment, property, payroll, personnel, subcontractor records, and financial records related to or which arise out of the Work or under terms of this Contract. Contractor shall maintain such books, records, data and documents in accordance with generally accepted accounting principles and in accordance with these Contract Conditions and federal and state requirements. These books, papers, records, claims, and accounts shall be made available for examination during normal business hours and shall be readily available and accessible at Contractor's principal place of business in California, for audit during normal business hours at such place of business. Contractor shall provide office space, photocopies and other assistance to enable audit or inspection representatives to conduct such audits or inspections. This right to audit books and records directly related to this Contract shall also extend to any first-tier subcontractors employed under this Contract. Contractor shall incorporate this provision in any subcontract entered into as a result of this Contract and shall require its subcontractors to agree to cooperate with the above-listed agencies by making all appropriate and relevant Project records available to those agencies for audit and copying.

All of Contractor's books, papers, job cost records, detailed cost estimates, claims, and accounts, including payment, property, payroll, personnel, subcontractor records, and financial records related to or which arise

out of the work or under terms of this Contract shall be retained for access, inspection and/or audit by the County, the State Auditor, or their duly authorized representatives for at least three (3) years after County's final payment to Contractor and/or the final resolution of any claims under this Contract. Contractor shall incorporate this provision in any subcontract entered into as a result of this Contract.

2.3 RESPONSIBILITIES OF OWNER

2.3.1 Removal, Relocation, or Protection of Underground Infrastructure: If the Contractor while performing the contract discovers utility facilities not identified by the Owner in the contract plans or specifications, Contractor shall immediately notify the Owner in writing. Owner shall have the sole discretion to perform the repairs or relocation work itself, or to permit the Contractor to do such repairs or relocation work at a reasonable price. In the event that the Owner authorizes the Contractor to perform the work, the parties shall proceed with a written Change Order as set forth in Article 5 herein. Compensation to the Contractor for said costs shall be in accordance with Government Code section 4215.

Nothing herein shall be construed to require the Owner to locate the presence of any existing services not expressly included in Government Code section 4215, nor to limit the Owner's rights or remedies set forth therein.

In accordance with the provisions of Government Code section 4215, Contractor shall not be assessed liquidated damages for delay in completion of the project, when such delay was caused by the failure of the Owner or owner of the utility to provide for the removal or relocation of such utility facilities.

ARTICLE 3

CONTRACTOR'S RESPONSIBILITIES

3.1 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS

3.1.1 Reporting Errors in Contract Documents: The Contractor shall carefully study and compare the Contract Documents with each other and shall at once report to the Inspector errors, inconsistencies, or omissions discovered. If the Contractor performs any construction activity knowing it involves a recognized error, inconsistency, or omission in the Contract Documents without such notice to the Owner, the Contractor shall assume responsibility for such performance and shall bear all costs for correction.

3.1.2 Reporting Errors in Field Conditions: The Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to the Contractor with the Contract Documents before commencing activities. Errors, inconsistencies, or omissions discovered shall be reported to the Owner at once.

3.1.3 No Implied Warranty: No warranty is to be implied nor shall any warranty arise by operation of law, or by interpretation of this Contract, that the Plans and Contract Documents are adequate and sufficient to construct the Project.

3.2 SUPERVISION AND CONSTRUCTION PROCEDURES

3.2.1 Supervision of Work: The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract, unless Contract Documents give other specific instructions concerning these matters.

3.2.2 Acts of Employees and Agents: The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, subcontractors and their agents and employees, and other persons performing portions of the Work under a contract with the Contractor.

3.2.3 Acts Do Not Waive Contractor's Obligation: The Contractor shall not be relieved of obligations to perform the Work in strict accordance with the Contract Documents either by activities or duties of the Owner's

Representative or the Inspector in the administration of the Contract, or by tests, inspections, or approvals required or performed by persons other than the Contractor.

3.3 PROSECUTION OF WORK

3.3.1 **Time of the Essence:** It is expressly understood and agreed that the time of beginning, rate of progress, and time of completion of the Work are of the essence. The time for substantial completion of this contract shall be **three hundred sixty-five (365) Calendar days** commencing from the date shown on the Contractor Notice to Proceed. No work shall begin prior to the issuance of a Contractor Notice to Proceed.

3.3.2 Owner and Contractor recognize that time is of the essence of the Agreement and that Owner will suffer financial loss if the Work is not completed within the times specified, plus any extensions thereof. They also recognize the delays, expense, and difficulties involved with proving in a legal proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that Contractor shall pay Owner the sum of **Two Hundred Dollars (\$200) per day**, as liquidated damages and not as a penalty, for each and every calendar day's delay in finishing the Work in excess of the contract term prescribed herein.

3.3.3 **Work During Operational Hours:** The Facility will be operational during the Work. The Contractor shall not interfere or hinder government center operations. The Contractor shall keep all equipment and materials within designated work areas and out of hallways and doorways. Emergency exit routes shall be maintained at all times.

3.3.4 **Construction Schedule:** The Contractor shall coordinate the final critical path method (CPM) construction schedule, if applicable, with the Owner. The CPM schedule is required to be submitted within five (5) calendar days of issuance of Notice to Proceed. The CPM schedule will be for Owner's information only. Silence or inaction with regard to Contractor's schedule shall not be construed as acquiescence or acceptance of the schedule as being binding on Owner. Contractor's schedule shall provide for the completion date not to exceed nor shall it provide for the completion date earlier than the time limits for completion set forth in the Contract Documents. Float, whether for the entire Project or for specific tasks therein, shall be deemed to be for the benefit of the Owner. The Contractor shall keep the construction schedule current, and shall submit weekly updates to the Owner's Representative and Inspector, if any. The Contractor shall further prepare and keep current a schedule of submittals which is coordinated with the construction schedule, and which allows the Owner reasonable time to review the submittals.

3.4 SUBMITTALS

3.4.1 **Use of Listed Manufacturers; Review of "Or Equals":** Contractor shall utilize only the manufacturer designated in its Proposal for major equipment items listed therein. In accordance with the provisions of Public Contract Code section 3400, but subject to subsection (b) thereof, if requesting approval of an "or equal" product, Contractor shall within two (2) business days following the bid opening submit data substantiating its request. Failure to submit such substantiating data within two (2) business days following the bid opening shall constitute submission of a non-responsive bid.

3.5 STATE AND FEDERAL LABOR REQUIREMENTS

3.5.1 **Hours of Work:**

1. Eight (8) hours of labor shall constitute a legal day's work upon all work done hereunder, and it is expressly stipulated that no workman employed at any time by the Contractor, or by any subcontractor under this Contract, upon the Work, shall be required or permitted to work thereon more than eight (8) hours in any one (1) calendar day and/or more than forty (40) hours in any one (1) calendar week except as provided in Labor Code section 1815, and it is further expressly stipulated that for each and every violation of said last named stipulation, said Contractor shall forfeit, as penalty to the said Owner, \$25.00 for each workman employed in the execution of this Contract, or by any subcontractor under this Contract, for each calendar day during which said workman is required or permitted to labor more than

eight (8) hours in any one (1) calendar day or more than forty (40) hours in any one (1) calendar week in violation of the provisions of said Labor Code.

2. In accordance with the provisions of Labor Code section 1776, the Contractor, and each subcontractor, shall also keep an accurate record showing the names and actual hours worked for all workers employed by him in connection with the Work contemplated by the Agreement, which record shall be open at all reasonable hours to the inspection of the Owner or its officers or agents, and to the Chief of the Division of Labor Statistics and Law Enforcement or the Department of Industrial Relations, his deputies or agents.

3.5.2 Apprentice Employment:

1. Pursuant to the provisions of Labor Code section 1777.5, the Contractor or subcontractor employing tradesmen in any apprenticeable occupation shall apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a Certificate of Approval. The certificate will also fix the ratio of apprentices to journeymen that will be used in the performance of the Contract. All requirements and exceptions to those requirements set forth herein for Apprenticeship Employment are contained in Labor Code section 1777.5 and are available from the applicable Joint Apprenticeship Committee.
2. The Contractor shall make contributions to funds established for the administration of the apprenticeship programs if he employs registered apprentices or journeymen in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.
3. The Contractor and any subcontractor under him shall comply with the requirements of Labor Code sections 1777.5 and 1777.6 in the employment of apprentices. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, ex officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

3.5.3 Wage Rates:

1. Pursuant to Labor Code section 1770, et seq., each laborer or mechanic of Contractor or any subcontractor engaged in work on the Project under this Contract shall be paid not less than the hourly wage rate of per diem wages set forth in the prevailing wage rate schedule published by the Director of Industrial Relations regardless of any contractual relationship which may be alleged to exist between Contractor or any subcontractor and such laborers and mechanics.
2. Any laborer or mechanic employed to perform work on the Project under this Contract, which work is not covered by any of the foregoing classifications, shall be paid not less than the prevailing rate of per diem wages specified herein for the classification which most nearly corresponds to the work to be performed by him.
3. The foregoing specified prevailing wage rates are minimum rates only, and the Contractor may pay any wage rate in excess of the applicable rate contained in this Contract.
4. Pursuant to Labor Code section 1775, the Contractor as a penalty to the Owner shall forfeit \$50.00 for each calendar day, or portion thereof for each worker paid less than prevailing rate established by the Department of Industrial Relations for such work or craft in which such worker is employed. The difference between such prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which the worker was paid less than the prevailing wage rate shall be paid to each worker by the Contractor.
5. An error on the part of an awarding body does not relieve the Contractor from responsibility for payment of the prevailing rate of per diem wages and penalties pursuant to Labor Code sections 1770 - 1775.
6. All Contractors and subcontractors are subject to the provisions of Labor Code sections 1810-1814 which provide that the maximum hours a worker is to be employed is limited to eight (8) hours a day and forty (40) hours a week and the Contractor or subcontractor shall forfeit, as a penalty, \$25.00 for each worker employed in the execution of the Contract for each calendar day during which a worker is required or

permitted to labor more than eight (8) hours in any calendar day or more than forty (40) hours in any calendar week and is not paid overtime.

7. Labor Code section 1815 requires that notwithstanding the provisions of sections 1810-1814, employees of Contractors who work in excess of eight (8) hours per day and forty (40) hours per week shall be compensated for all hours worked in excess of eight (8) hours per day at not less than 1-1/2 times the basic rate of pay.
8. In the case of federally funded projects, where federal and state prevailing wage requirements apply, compliance with both is required. This project is funded in whole or part by federal funds. Contractor's attention is directed to the requirements of, and compliance with the Copeland Act (18 U.S.C. 874 and 29 CFR Part 3), the Davis-Bacon Act (40 U.S.C. 3141-3147), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701).
9. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by Contractor and subcontractors, Contractor and subcontractors shall pay not less than the federal minimum wage rate which most closely approximates the duties of the employees in question.
10. Interested parties can obtain the current wage information by submitting requests to the Department of Industrial Relations, Division of Labor Statistics and Research, PO Box 420603, San Francisco CA 94142-0603, Telephone (415) 703-4708 or by referring to the website at <http://www.dir.ca.gov/dlsr/PWD>. The rates at the time of the bid advertisement date of a project will remain in effect for the life of the project in accordance with the California Code of Regulations, as modified and effective January 27, 1997.
11. Copies of the applicable state prevailing wage rates are on file with the County of El Dorado, Environmental Management Department, 2850 Fairlane Court, Placerville, California 95667, and they are available to any interested party on request.

3.5.4 **Certified Payroll:** As required under the provisions of Labor Code section 1776 Contractor and subcontractors shall keep accurate payroll records:

1. The payroll records shall show the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee by him or her in connection with the Project.
2. A certified copy of all payroll records enumerated above shall be available for inspection at all reasonable hours at the principal office of the Contractor as follows:
 - a. Make available or furnish to the employee or his or her authorized representative on request.
 - b. Make available for inspection or furnished upon request to a representative of the Owner, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations.
 - c. Make available upon request by the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the Owner, the Division of Labor Standards Enforcement, or the Division of Apprenticeship Standards. The requesting party shall, prior to being provided the records, reimburse the costs of preparation by the Contractor, subcontractor, and the entity through which the request was made. The public shall not be given access to the records at the principal office of the Contractor.

3.5.5 **Discrimination In Employment:** No discrimination shall occur in the employment of persons upon the Work because of race, color, sex, national origin, or ancestry or religion of such persons.

3.5.6 **Convict-Made Materials:** Except as may be provided by law, the Contractor agrees that no materials manufactured or produced in a penal or correctional institution shall be incorporated in the construction under this Contract.

3.6 TAXES

3.6.1 **Contractor Pays Taxes:** The Contractor and subcontractors shall pay all local, state, and federal taxes upon labor or materials involved in their branch of the Work, cost of same to be included in the Contract price.

3.7 COMPLIANCE WITH LAW AND LOCAL REQUIREMENTS

3.7.1 **Regulations:** The Contractor and all subcontractors shall conform to and abide by all city, county, and state laws, ordinances, rules, and regulations, as the same pertain to the Work contemplated by said Plans and Contract Documents.

3.7.2 **Permits, Licenses, and Fees:** The County shall procure and pay for all permits and inspection fees that may be required to commence, carry on, and complete the Contract. Contractor shall be responsible for all applicable license fees.

3.7.3 **Patent Rights, Copyrights, Trade Names, and Royalties:** The Contractor shall indemnify and save harmless the Owner and all persons acting under him for all liability on account of any patent rights, copyrights, or trade names which may affect the articles or materials or their application under the Contract Documents. The Contractor shall pay all royalties, or other charges that may arise, due to methods, types of construction, processes, materials or use of equipment, and shall hold the Owner harmless from any charges whatsoever which may arise, and shall furnish written assurance, satisfactory to the Owner, that such charges have been paid.

3.8 INDEMNIFICATION

3.8.1 **Owner Not Liable for Damages:** The Owner or its authorized representative shall not in any way or manner be answerable or suffer loss, damage, expense, or liability for any loss or damage that may happen to said Work, or part thereof, or in or about the same during its construction and before acceptance and the said Contractor shall assume all liabilities of every kind or nature arising from said Work, either by accident, negligence, theft, vandalism, or any cause whatever; and shall hold the Owner and its authorized representatives harmless from all liability of every kind and nature arising from accident, negligence, or any cause whatever, other than for the active negligence of the Owner, its officers, agents and employees.

3.8.2 **Owner Not Liable for Debts:** Indebtedness incurred for any cause in connection with this Work must be paid by the Contractor, and the Owner is hereby relieved at all times from any indebtedness or claim other than the Contract price.

3.8.3 **Environmental Indemnification:** To the fullest extent allowed by law, from and after recording of the Notice of Acceptance, Contractor shall indemnify, defend, and save harmless Owner from all losses or damages resulting from injury to or death of any person and damage to property, and any fine, which is occasioned by or arises out of any breach of Environmental and Toxics Warranty, representations, or covenants of Contractor under this Contract. Contractor further agrees to indemnify and hold harmless Owner, its officers, employees, and agents, from and against any and all liability as follows:

1. Including all foreseeable and all unforeseeable consequential damages, directly or indirectly arising out of the use, generation, storage, or disposal of hazardous materials in any location by Contractor, and
2. Including, without limitation, the cost of any required or necessary repair, cleanup, or detoxification and the preparation of any closure or other required plans, whether such action is required or necessary prior to or following filing of the Notice of Acceptance to the full extent that such action is attributable,

directly or indirectly, to the presence or use, generation, storage, release, threatened release, or disposal of hazardous materials by any person on the Project prior to filing of the Notice of Acceptance. Contractor's obligations pursuant to the foregoing indemnity shall survive the filing of the Notice of Acceptance of the Project.

3. This agreement as to indemnity and reimbursement as above set forth to be undertaken by the Contractor shall survive the performance of the remainder of said Contract and shall remain in full force and effect notwithstanding such performance.
4. The foregoing duties of indemnity shall not apply to loss, damage, expense, or liability caused solely by the active negligence of the Owner or the Owner's agents, servants or independent contractors.

3.9 WORK REQUIREMENTS

3.9.1 **Conduct of Work:** The Contractor shall confine the storage of his equipment and materials to limits as designated. He shall at all times exercise due caution and provide all necessary barricades and other safety equipment around the Work to protect the general public from injury to person and property during the entire time of performance of the Work. The Contractor shall not create excessive dust or noise.

3.9.2 **Maintenance of Site:** Strict prohibition against committing nuisances in or about the Work shall be maintained, and the Contractor shall not in any way obstruct or interfere with movements of traffic on any public right of way without first obtaining the necessary approval of the proper public agency. Contractor shall be solely responsible for providing a safe place to work for its employees and for employees of its subcontractors and suppliers or material and equipment, for adequacy of and required use of all safety equipment, and for full compliance with aforesaid laws, orders, citations, rules, regulations, standards, and statutes.

3.9.3 **Clean Up of Site:** The Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials. If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the cost thereof shall be charged to the Contractor.

3.9.4 **Cutting and Patching:**

1. The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly.
2. The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.

3.10 SUPERINTENDENT

3.10.1 **Work Superintendent:** The Contractor will employ and maintain on the worksite a qualified supervisor or Superintendent who shall have been designated in writing by the Contractor as the Contractor's representative at the sites. The Superintendent shall have full authority to act on behalf of the Contractor, and all communications given to the Superintendent shall be as binding as if given to the Contractor. The Superintendent shall be present on the site at all times as required to perform adequate supervision and coordination of the Work.

3.11 LABOR AND MATERIALS

- 3.11.1 Skilled Labor:** All labor must be especially skilled for each kind of work, and must be thorough and first class in all respects. Any person whom the Inspector or Owner may deem incompetent or disorderly shall be promptly discharged from the Project and not re-employed.
- 3.11.2 Quality of Materials:** All materials used on this Contract shall be new and the best market quality, unless specified or shown otherwise. All Work executed under this Contract shall be done in the best, most thorough, substantial and workmanlike manner and without flaws. All materials and labor shall be subject to the approval of the Inspector as to its quality and fitness, and shall be immediately removed if it does not meet with his approval. The Inspector may refuse to issue the Certificate for Payment until all defective materials or work have been removed and other material of proper quality substituted therefore. All removal and replacement with same shall be done at the Contractor's expense. Manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned as directed by the manufacturer.

ARTICLE 4

ADMINISTRATION OF CONTRACT

4.1 ADMINISTRATION OF CONTRACT

- 4.1.1 Contract Communications:** Unless otherwise provided in the Contract or when direct communications have specifically been authorized, all parties shall communicate through the Owner's Representative or the Inspector if the Owner so directs. Communications by and with the subcontractors and material suppliers shall be through the Contractor. Communications by Contractor to separate contractors, architect, or County employees shall be through the Owner's Representative or Project Manager.
- 4.1.2 Control of Work:** The Owner's Representative or the Inspector will not have control over or charge of and will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility. The Owner's Representative or the Inspector will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents. The Owner's Representative or the Inspector will not have control over or charge of and will not be responsible for acts or omissions of the Contractor, subcontractors, or their agents or employees, or of any other persons performing portions of the Work.
- 4.1.3 Recommendation for Payments:** Based on his or her observations and evaluations of the Contractor's Applications for Payment, the Owner's Representative will review amounts due the Contractor and will recommend to Owner, payments to Contractor as set forth in the section entitled CERTIFICATION FOR PAYMENTS.
- 4.1.4 Inspector's Authority:** The Inspector will have the authority to stop work whenever necessary to ensure a proper execution of the Work. The Inspector will also have authority to reject Work which does not conform to the Contract Documents. Whenever the Inspector considers it necessary or advisable for implementation of the intent of the Contract Documents, the Inspector will have authority to require additional inspection or testing of the Work in accordance with the following section whether or not such Work is fabricated, installed, or completed. However, neither this authority of the Inspector nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Inspector to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons performing portions of the Work. In the event an Inspector is not appointed by the Owner, the Owner's Representative shall have the authority set forth herein.

4.2 INSPECTION AND TESTING

- 4.2.1 Advance Notice:** Contractor shall provide Owner's Representative seventy-two (72) hours' notice prior to beginning work at a specific location and for a specific department. Contractor shall notify Owner's Representative and Inspector forty-eight (48) hours prior to any day in which Contractor will 1) require an inspection of any portion of the Work, 2) work in excess of eight (8) hours or any time Contractor intends to work weekends, and 3) require shut down of all or any portion of building systems (electrical, plumbing, fire,

mechanical, etc.). Any work not performed subject to inspection will not be accepted and will be rejected and/ or ordered removed by Owner, or Inspector.

4.2.2 Access to Work: The Owner's Representative, the Architect, the Project Manager, and the Inspector will at all times have access to the Work. In addition, authorized representatives and agents of any participating Federal or State Agency shall be permitted to inspect all Work, materials, payrolls, and records on personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the Work and also for any inspection or testing thereof.

4.2.3 Costs of Tests: The Owner shall bear all costs related to testing for conformance of the Work to the Contract requirements. However, if the Contractor has called for any testing, and that test fails, subsequent tests, and all related costs, shall be borne by the Contractor.

4.2.4 Preparation of Change Orders: The Owner's Representative or the Inspector, if one is appointed, will prepare Change Orders, and may authorize minor changes in the Work as provided in the section entitled CHANGES IN WORK.

4.3 CLAIMS

Subject to the provisions of Article 23 in the Contract, the following apply:

4.3.1 Concealed or Unforeseen Conditions: It is understood by both parties that Contractor has made a pre- contract investigation of the site. All concealed, unforeseen, or materially differing conditions are the responsibility of the Contractor in the absence of an actual material, intentional misrepresentation by the Owner as to the conditions on the site. Contractor shall give written notice of any conditions encountered at the site which are unforeseen, concealed, or materially different from those set forth in the Plans or Contract Documents, or ordinarily encountered and generally recognized as inherent in the Work. Such written notice shall be given within five (5) calendar days of his discovery of any such facts.

4.3.2 Notice of Discovery of Hazardous Waste or Unusual Conditions:

1. The Contractor shall promptly, and before the following conditions are disturbed, notify the Owner in writing, in the event the Contractor encounters any of the following:
 - a. Material that the Contractor believes may be hazardous waste, as defined in Health and Safety Code section 25117 that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
 - b. Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in the work of the character provided for in the contract.
2. The Owner shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work shall issue a change order under the procedures described herein.
3. In the event a dispute arises between the Owner and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for in the contract, but shall proceed with all work to be performed under the Contract. The Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the Contractor and the Owner.

4.3.3 Time Limits on Claims: Claims by Contractor must be made within ten (10) calendar-days after occurrence of the event giving rise to such Claim, except that claims made due to delay or hindrances which Contractor claims was caused by Owner shall be made within five (5) calendar-days after occurrence of the event giving rise to such Claim. Claims must be made by written notice. Failure to make such claim in writing in the time

set forth herein shall bar Contractor from recourse for such claim. All claims must be filed on or before the payment date of Final Payment.

4.3.4 Claims for Additional Costs:

1. If Contractor wishes to make a Claim for an increase in the Contract Price, he shall give the Owner written notice thereof within the time set forth in Paragraph 4.3.3. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property in which case the Contractor shall, as soon as possible, advise Owner of his intent to do the Work.
2. Increases in Contract Price due to Claims shall be calculated based on the Cost Reimbursement method detailed in Paragraph 5.4.1.3.
3. Under no circumstances shall Contractor recover any administrative overhead costs or recover on the basis of any "Home Office" damages formula, "Total Cost" recovery formula, or any other such formula.

4.3.5 Claims for Additional Time:

1. If the Contractor wishes to make Claim for an increase in the contract term, written notice as provided herein shall be given. The Contractor's Claim shall include an estimate probable effect of delay on progress of the Work.
2. If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that weather conditions had an adverse effect on the scheduled construction.
3. The Owner shall not be liable for any damages on account of any reasonable delay or hindrance of the Owner. However, Contractor shall be entitled to an extension of time for any delay or hindrance caused by the Owner. Any delay or hindrance by Owner which is unreasonable and not within the contemplation of the parties may subject Owner to a claim for damages. Contractor shall make any claims in writing within the time set forth in Paragraph 4.3.3., for any unreasonable delay or hindrance caused by Owner, and specifying the cause thereof as required in paragraph "Submittal of Claims".

4.3.6 Submittal of Claims: Any disputes relating to this Contract, or its breach, which is not disposed of by agreement shall be promptly submitted as a claim to the Owner's Representative who shall issue a written response on the dispute. Claims shall be submitted by the Contractor to the Owner's Representative with adequate supporting data and include a demand for the Owner's Representative's decision. Adequate supporting data shall include, but is not limited to, a statement of the reasons for the asserted entitlement, the certified payroll, invoice for material and equipment rental, and an itemized breakdown of any adjustment sought.

4.3.7 Submission Under Penalty of Perjury: The Contractor shall certify, at the time of submission of a claim, as follows:

"I certify under penalty of perjury under the laws of the State of California, that the claim is made in good faith, that the supporting data are accurate and complete, and that the amount requested accurately reflects the contract adjustment for which the Owner is liable.

By: _____
"Contractor's signature)"

4.3.8 Third Party Claims: Owner will notify Contractor of receipt of any third-party claim relating to the contract within five (5) calendar days of receipt of such claim.

4.4 DISPUTE RESOLUTION

4.4.1 Continue Work During Dispute: In the event of any dispute between the Owner and the Contractor, the Contractor will not stop Work but will prosecute the work diligently to completion in the manner directed by the Owner, and the dispute shall be resolved as set forth herein after completion of the Work. However, all disputes must be submitted by Contractor in accordance with the subsequent provisions of this section.

4.4.2 Requirements for Filing a Claim: For any claim subject to this Article, the following requirements apply: the claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by this contract for the filing of claims.

1. For claims of less than fifty thousand dollars (\$50,000.00), the Owner shall respond in writing to any written claim within forty five (45) days of receipt of the claim, or may request, in writing, within thirty (30) days of receipt of the claims or relating to defenses or claims the Owner may have against the Contractor, any additional documentation supporting the claim or relating to defenses to the claim the Owner may have against the Contractor.

If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Owner and the Contractor.

The Owner's written response to the claim, as further documented, shall be submitted to the Contractor within fifteen (15) days after receipt of the further documentation or within a period of time not greater than that taken by the Contractor in producing the additional information, whichever is greater.

2. For claims of over fifty thousand dollars (\$50,000.00) and less than or equal to three hundred seventy-five thousand dollars (\$375,000.00), the Owner shall respond in writing to all written claims within sixty (60) days of receipt of the claim, or may request, in writing, within thirty (30) days of receipt of the claim, any additional documentation supporting the claim or relating to the defenses or claims the Owner may have against the Contractor.

If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Owner and the Contractor.

The Owner's written response to the claim, as further documented, shall be submitted to the Contractor within thirty (30) days of receipt of the further documentation, or a period of time no greater than that taken by the Contractor in producing the additional information or requested documentation, whichever is greater.

3. If the Contractor disputes the Owner's written response, or the Owner fails to respond within the time prescribed, the Contractor may so notify the Owner, in writing, either within fifteen (15) days of receipt of the Owner's written response or within fifteen (15) days of Owner's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the Owner shall schedule a meet and confer conference within thirty (30) days for settlement of the dispute.
4. If following the meet and confer conference the claim or any portion remains in dispute, the Contractor may file a claim pursuant to Government Code section 900, et seq. and in accordance with Public Contract Code section 20104.2.

4.4.3 Owner's Review of Claim: The Owner's Representative shall review the facts pertinent to the claim, secure assistance from legal and other advisors, coordinate with the contract administrators, and promptly provide a written response. The response shall be furnished to the Contractor by certified mail, return receipt requested, or any other method that provides evidence of receipt. The Owner's Representatives' response shall be final and conclusive except as is otherwise provided herein.

4.4.4 Claims Exempt from Review: The procedures and remedies provided in this Section 4.4 do not apply to:

1. Any claims by the Owner.
2. Any claim for or respecting personal injury or death or reimbursement or other compensation arising out of or resulting from liability for personal injury or death.
3. Any claim or dispute relating to stop payment requests or stop notices.
4. Any claim related to the approval, refusal to approve, or substitution of subcontractors, regardless of tier, and suppliers.

4.4.5 Suit in El Dorado County Only: Any litigation arising out of this Contract shall be brought in El Dorado County. The Owner and the Contractor shall follow procedures established for all civil actions filed to resolve claims pursuant to Public Contract Code section 20104, et seq., including but not limited to section 20104.4.

4.4.6 Payment of Undisputed Portion of Claim: Payment by Owner of undisputed portion of claim; interest on judgment.

1. Owner shall pay Contractor such portion of a claim which is undisputed except as otherwise provided in the contract.
2. In any suit filed pursuant to Public Contract Code section 20104.4, the provisions of section 20104.6 shall apply.
3. The rate of interest payable on unpaid and undisputed claims shall be seven percent (7%) per annum. Interest shall begin to accrue sixty-one (61) days after the Contractor submits to the Owner information in sufficient detail to enable the Owner to accept the claim statement.
4. The rate of interest payable on any judgment shall not exceed seven percent (7%) per annum in accordance with Civil Code section 3287 et seq.

ARTICLE 5

CHANGES IN WORK

5.1 WAIVER

5.1.1 Waivers of Contract Provisions: It is expressly understood and agreed that no waiver granted by the Inspector or the Owner of any term, provision, or covenant of this Contract shall constitute a precedent for breach of the same or any other terms, provisions, or covenants of this Contract.

5.2 CHANGES

5.2.1 Owner May Order Changes in Work: The Contractor agrees that the Owner, without invalidating the Contract, may order changes in Work by altering, adding to, or deducting from the Work, the Contract Amount and Time being adjusted according to the provisions of Section 5.4 and Section 5.5.

5.2.2 Cost Proposals: Upon request of the Owner for a quotation on the change to the Work, the Contractor shall promptly submit to Owner's Representative, and the Inspector, if one is appointed, in writing a detailed breakdown of the work and of the amount of deduction or addition claimed. In no case shall Cost Proposals be provided later than ten (10) calendar days from the date requested. The Owner's request for quotations on alterations to the Work shall not be considered authorization to proceed with the work prior to issuance of a Change Order, nor shall such request justify any delay in existing work. If Contractor fails to provide Cost Proposals within ten (10) calendar days, Owner may prepare the Cost Proposal based on estimates of labor, materials, and equipment. This proposal, prepared by Owner, shall be binding on the Contractor, will become the basis for Contract Price adjustment, and shall not be subject to dispute or claim.

5.2.3 **Contract Change Instrument:** Changes in work involving a change in Contract Price or contract term shall be done only pursuant to an Architect's Supplemental Instructions (if applicable) or Change Order, as set forth below in this article.

5.2.4 **Changes Shall Conform to Contract:** Changes in work shall be performed in conformance with applicable provisions of the Contract Documents, and the Contractor shall proceed promptly unless otherwise provided in the Architect's Supplemental Instructions (if applicable) or Change Order.

5.3 CONTRACT CHANGE INSTRUMENTS

5.3.1 **Architect's Supplemental Instructions (ASI) (if applicable):** The Owner's Representative or the Architect, may order minor changes in work by use of an Architect's Supplemental Instruction. These minor changes will involve neither changes in the Contract Price or contract term. If the Contractor disagrees that the change does not involve a change in cost or time, then a Change Order shall be used.

5.3.2 **Change Order (CO):** The Change Order shall be used in cases where Owner and Contractor agree on the change in work, the amount of or method of computing the Contract Amount, and the amount of adjustment in contract term.

5.4 BASIS OF ADJUSTMENT

5.4.1 **Methods of Adjustment:** The amount of adjustments to Contract Price, whether a credit or payment, shall be computed by one of the methods detailed below. The method used shall be at the sole determination of the Owner.

1. **Unit Prices:** Those prices stipulated in the Bid Proposal shall be utilized where they are applicable. In the event the change in original quantity is in excess of twenty-five (25) percent of the original bid quantity, and the total dollar value of that bid is greater than \$5,000, the Owner shall review the unit price to determine if a new unit price shall be renegotiated. Unit prices for new items shall be negotiated and mutually agreed upon.
2. **Lump Sum:** A total lump sum for the Work has been negotiated between Owner and Contractor, as described more fully in Article 3 of the Agreement for Construction Services. Changes to the lump sum contract price sought may be made pursuant to a Change Order, subject to Contractor demonstrating satisfaction of the criteria set forth in Article 3.
3. **Cost Reimbursement (Extra Work):** In this method, the payment for Extra Work shall be made on a time and expense basis that is on an accounting of the Contractor's forces, materials, equipment, and other items of cost as required and used to do the Work. Payment will be made for the documented actual cost of the following:
 - a. Costs of direct labor, excluding supervisory personnel, including social security, old age and unemployment insurance, fringe benefits required by agreement, labor insurance and labor taxes established by law.
 - b. Costs of materials, supplies, and equipment, including cost of transportation and sales tax, whether incorporated if paid for by the Contractor or his subcontractor.
 - c. Rental costs, prevailing in the area, of machinery and equipment for the actual time used, and including transportation costs for items having value in excess of \$100.00.
 - d. Costs of premiums for all bonds and insurance, permit fees, and sales, use or similar taxes related to the Work.

To the above cost the Contractor shall be allowed a markup of fifteen (15) percent on direct labor charges and fifteen (15) percent for all other cost items. When any or all of the Extra Work is done by one of the Contractor's subcontractors, the markups set forth above shall be applied to the subcontractor's actual costs to which a five (5) percent markup shall be allowed the Contractor. These markups shall be

considered to be full compensation, covering the cost of general supervision, administration, overhead, profit, and any and all other general expenses, including, but not limited to, uniforms, hand tools, safety equipment, travel and lodging.

5.5 EXTENSION OF TIME FOR COMPLETION

- 5.5.1 **Contractor Delayed or Hindered:** Should the Contractor be delayed or hindered in the completion of the Work by the neglect of the Owner, or by fire, by strikes, lockouts, embargoes or earthquakes, and any other causes the County approves as not having been reasonably foreseeable at the time of execution of the Contract Documents, then the time allowance herein fixed for the completion of the Work shall be extended for a period equivalent to the time lost by reason of any or all of the causes aforesaid. Time extensions must be requested in accordance with Section 4.3.
- 5.5.2 **Agreement on Time Extension:** In addition, the Contractor and the Owner reserve the right to mutually agree in writing upon an extension of time for completion for causes other than enumerated above.
- 5.5.3 **Time Extension Not Waiver:** The granting of an extension of time by the Owner for performance by the Contractor shall not operate as a waiver or stop the Owner from claiming damages due to any other delays, prior or subsequent, which were not approved by the Owner as provided herein.

ARTICLE 6

PAYMENTS AND COMPLETION

6.1 GENERAL

- 6.1.1 **Contract Price:** The Contract Price stated in the Contract is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents as defined and subject to the provisions set forth, in Article 3 of the Agreement of Construction Services between Contractor and Owner.
- 6.1.2 **Waiver:** Neither the acceptance of the Work by the Owner nor the payment of any part or all of the sum due the Contractor hereunder shall constitute a waiver by the Owner of any claim which the Owner may have against the Contractor or Surety under this Contract or otherwise.
- 6.1.3 **Manner of Paying Warrants:** Payment becomes due under the terms of this Contract in the manner prescribed by law. The Auditor shall cause a warrant for the Certified amount to be drawn upon the proper fund of the Treasurer of the Owner, which warrant shall be approved and issued to Contractor within that period of time customarily required to process said warrants in the ordinary course of Owner's business.

6.2 APPLICATIONS FOR PAYMENT

- 6.2.1 **Submittal of Applications:** The Contractor shall submit to the Owner or Owner's Representative, an Application for Payment form, which will be provided by the Owner. Such application shall be supported by such data substantiating the Contractor's right to payment as the Owner may require, such as copies of requisitions from subcontractors and material suppliers.
- 6.2.2 **Basis for Payment:** The Payment shall be based upon the total Contract price and upon percentage of completion of the Work at the time of the submittal of the application for payment.
- 6.2.3 Before submitting an Application for Payment (Final or Partial) the Contractor shall reach an agreement with the Project Manager concerning the percentage complete of the Work and the dollar value for which the Application for Payment may be submitted.
- 6.2.4 **Work Free of Liens:** The Contractor warrants that upon submittal of an Application for Payment, all work for which Certificates for Payment have been previously issued and payments received from the Owner shall be free and clear of liens, claims, security interests, or encumbrances against Contractor by subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials, and equipment in relation to the Work.

6.3 CERTIFICATION FOR PAYMENT

6.3.1 **Certification Determination:** The Owner's Representative will review as soon as practicable for the purpose of determining whether it is a proper payment request and shall within seven (7) days after receipt of the Contractor's Application for Payment, either issue to the Owner a Certification for Payment, with a copy to the Contractor, for such amount as determined to be properly due, or notify the Contractor of the reasons why the payment request is not proper and for withholding certification of payment in whole or in part as provided in Section 6.4.1.

6.3.2 The Owner shall pay or cause to be paid to Contractor, an amount equal to ninety five percent (95%) as noted in Section 6.4.3 of the amount set forth in the approved Certificate for Payment within thirty (30) days of receipt of an Application for Payment approved by the Owner's representative as provided for in Paragraph 6.3.1 above, and shall retain the remaining five percent (5%) as noted in 6.4.3 until the time provided for in Section 6.6.4. The Owner shall withhold amounts pursuant to stop notices received in addition to the retainage. Failure of Owner to make payments provided herein in a timely manner shall not constitute a default by the Owner of the Contract, but may entitle the Contractor to interest as provided by law.

6.4 WITHHOLDING FROM PAYMENTS

6.4.1 **Reasons for Withholding:** The Owner may withhold payments, or on account of subsequently discovered evidence nullify the whole or a part of any progress or retention payments to such extent as may be necessary to protect the Owner from loss on account of:

1. Defective work or material not remedied or replaced.
2. The filing of claims or Stop Notices to withhold, or reasonable evidence indicating probable filing of such claims or notices.
3. Failure of the Contractor to make payments properly to subcontractors, or for materials or labor.
4. Failure to make payments to any person or entity for financial obligations of the Contractor under terms of this Contract.
5. A reasonable doubt that the Contract can be completed for the balance then unpaid.
6. Damage to another contractor.
7. Performance of work in violation of the terms of the Contract Documents.
8. Excessive costs to Owner.
9. Failure of Contractor to comply with requirements for timely submittal of specified documentation, including but not limited to construction schedules, cost proposals, and submittals.

6.4.2 **Release of Payment:** When the above grounds for withholding are removed, payment shall be made for amounts withheld because of them.

6.4.3 **Method of Retainage:** The Department will retain 5% of the value of each progress payment from each progress payment. The retained funds shall be retained until thirty-five (35) days after recordation of the Notice of Acceptance, as applicable.

6.5 SUBSTITUTE SECURITIES FOR RETENTION

6.5.1 **Substitution of Securities:** Bidders are hereby put on notice that the successful bidder may substitute securities for any monies withheld by the County of El Dorado to insure performance of the Contract pursuant to Public Contract Code section 22300. This section provides that the Contractor may elect to receive 100 percent of payments due under the Contract Documents from time to time, without retention from any portion of the payment by the County of El Dorado, by depositing eligible securities of equivalent value with the County of

El Dorado or qualified escrow agent in accordance with the provisions of Public Contract Code section 22300. Eligible securities shall be limited to those listed in Government Code section 16430, or bank or savings and loan certificates of deposit from a qualified institution. Any such escrow agreement shall follow the form set forth in Public Contract Code section 22300(f) and provided by the Owner.

6.6 FINAL COMPLETION AND PAYMENT OF RETAINAGE

6.6.1 Affidavit of Payment: After the date of Substantial Completion of the Work, and before final acceptance of the Work, the Contractor shall file with the Owner his affidavit, sworn to before a Notary Public, stating that all workmen and persons employed, all firms supplying materials, and all subcontractors upon the project for either labor or material have been paid in full, except certain items, if any, to be set forth in such affidavit covering disputed claims, including claims for acceleration, disruption, delays, inefficiencies, and hindrance, or items in connection with which Stop Notices have been filed under the provisions of the Statutes of the State of California. The filing of such affidavit by the Contractor shall be one of the prerequisites to the making, by the Owner, of the final retainage payment on the Contract.

6.6.2 Final Inspection: Upon receipt of written notice that the Work is ready for final inspection and acceptance and upon receipt of the Application for Payment, the Owner will promptly make such inspection. The Contractor shall complete all punch list items within two (2) weeks of receipt of the written punch list. When the Owner's Representative finds the work acceptable under the Contract Documents and the Contract fully performed, the Owner's Representative will promptly recommend to Owner that Owner may consider the Project complete, accept the project, and that the Notice of Acceptance may be issued.

6.6.3 Final Certification: Before issuance of payment, Contractor shall file, with Owner, a certificate in which he certifies that to the best of the Contractor's knowledge, information, and belief, and on the basis of observations and inspections, the Work has been completed in accordance with terms and conditions of the Contract Documents.

6.6.4 Payment of Retention: Thirty-five (35) days after the Notice of Acceptance has been filed, provided the Work is fully completed and the Contract fully performed, the balance due under the Contract shall be paid, less any monies held for stop notices. Payment shall not be construed as an absolute acceptance of the work done up to the time of such payment. The Contractor, if requested by the Owner, shall furnish receipts or other vouchers showing his payments for materials and labor. Owner may withhold from payment an amount not to exceed 150 percent of any amount in dispute.

6.6.5 Notice of Acceptance: The Work shall be accepted in writing in the form of a Notice of Acceptance when the whole of the work has been completed satisfactorily to the Owner. In judging the Work, no allowance for deviations from the original Contract Documents will be made unless already approved in writing at the proper times and in the manner as called for herein.

ARTICLE 7

PROTECTION OF PERSONS AND PROPERTY

7.1 PROTECTION OF WORK, PROPERTY, AND PERSONS

7.1.1 Responsible for Damage to Owner's Property: The Contractor shall be entirely responsible for any damage to the property of the Owner due to careless handling of tools and/or materials or other causes attributed to the Contractor's Work in performing this Contract.

7.1.2 Responsible for Safety: The Contractor will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury, or loss to all employees on the Work and other persons who may be affected thereby, all the Work and all materials or equipment to be incorporated therein, whether in storage on or off the site, and other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction. Contractor shall be solely responsible for providing a safe place to work for its employees and for employees of its subcontractors and suppliers or material and equipment, for adequacy of and required use of all safety equipment, and for full compliance with aforesaid laws, orders, citations, rules, regulations, standards, and statutes.

7.1.3 **Safety and Convenience:** The Contractor will comply with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction. The Contractor will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety and protection. The Contractor will notify owners of adjacent utilities when prosecution of the Work may affect them.

7.1.4 **Remedy Damages:** The Contractor will remedy all damage, injury, or loss to any property caused, directly or indirectly, in whole or part, by the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them or anyone of whose acts any of them would be liable, except damage or loss attributable to the sole or active negligence of the Owner or the Inspector or anyone employed by them and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of the Contractor.

ARTICLE 8

INSURANCE AND BONDS

8.1 INSURANCE

GENERAL INSURANCE REQUIREMENTS

The Contractor shall provide proof of a policy of insurance satisfactory to the El Dorado County Risk Management Division and documentation evidencing that the Contractor maintains insurance that meets the following requirements:

1. Full Workers' Compensation and Employers' Liability Insurance covering all employees of the Contractor as required by law in the State of California.
2. Commercial General Liability Insurance (providing scope of coverage equivalent to ISO policy form CG 00 01) of not less than Two Million Dollars (\$2,000,000) combined single limit per occurrence for bodily injury and property damage, including but not limited to endorsements for the following coverage: Premises, personal injury, operations, products and completed operations, blanket contractual, and independent contractors liability. This insurance can consist of a minimum \$1 Million primary layer of CGL and the balance as an excess/umbrella layer, but only if the County is provided with written confirmation that the excess/umbrella layer "follows the form" of the CGL policy. County, including, without limitation, its officers, officials, employees, and volunteers shall be named as an additional insured on ISO form CG 2010 1185, or its equivalent.
3. Automobile Liability Insurance of not less than One Million Dollars (\$1,000,000) is required in the event motor vehicles are used by the Contractor in performance of the contract.
4. In the event Contractor is a licensed professional and is performing professional services under this contract, Professional Liability Insurance is required with a limit of liability of not less than One Million Dollars (\$1,000,000).
5. Explosion, Collapse and Underground coverage is required when the scope of work includes XCU exposures. For the purpose of this contract, XCU coverage is not required.

PROOF OF INSURANCE REQUIREMENTS

1. Contractor shall furnish proof of coverage satisfactory to the El Dorado County Risk Management Division as evidence that the insurance required herein is being maintained. The insurance will be issued by an insurance company acceptable to the Risk Management Division or be provided through partial or total self-insurance likewise acceptable to the Risk Management Division.
2. The County of El Dorado, its officers, officials, employees, and volunteers shall be included as additional insureds, but only insofar as the operations under this Contract are concerned. This provision shall apply to all general liability and excess liability policies. Proof that the County is named additional insured shall be made by providing the Risk Management Division with a certified copy, or other acceptable evidence, of an endorsement to Contractor's insurance policy naming the County additional insured.

3. In the event Contractor cannot provide an occurrence policy, Contractor shall provide insurance covering claims made as a result of performance of this contract for not less than three (3) years following completion of performance of this Contract.
4. Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.
5. Contractor shall also require each of its subcontractors to names Contractor and County, including, without limitation, its officers, officials, employees, and volunteers, as an additional insured on Subcontractor's insurance policies using ISO form CG 2010 1185, or its equivalent. Copies of endorsements from each Subcontractor will be obtained and maintained by Contractor for the duration of the Work, and for ten years following completion of the Work.

INSURANCE NOTIFICATION REQUIREMENTS

1. Contractor agrees no cancellation or material change in any policy shall become effective except upon thirty (30) days prior written notice to the County of El Dorado, Environmental Management Department, Environmental Management Department Manager, at 2850 Fairlane Court, Placerville, California 95667.
2. Contractor agrees that the insurance required herein shall be in effect at all times during the term of this agreement. In the event said insurance coverage expires at any time or times during the term of this Contract, Contractor shall immediately provide a new certificate of insurance as evidence of the required insurance coverage. In the event Contractor fails to keep in effect at all times insurance coverage as herein provided, County may, in addition to any other remedies it may have, terminate this Contract upon the occurrence of such event. New certificates of insurance are subject to the approval of the Risk Management Division.

ADDITIONAL STANDARDS

Certificates shall meet such additional standards as may be determined by the Department either independently or in consultation with the Risk Management Division, as essential for protection of the County.

COMMENCEMENT OF PERFORMANCE

Contractor shall not commence performance of this Contract unless and until compliance with each and every requirement of the insurance provisions is achieved.

MATERIAL BREACH

Failure of Contractor to maintain the insurance required herein, or to comply with any of the requirements of the insurance provisions, shall constitute a material breach of the entire Contract.

REPORTING PROVISIONS

Any failure to comply with the reporting provisions of the policies shall not affect coverage provided to the County, its officers, officials, employees or volunteers.

PRIMARY COVERAGE

The Contractor's insurance coverage shall be primary insurance as respects the County, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the County, its officers, officials, employees or volunteers shall be in excess of the Contractor's insurance and shall not contribute with it.

PREMIUM PAYMENTS

The insurance companies shall have no recourse against the County of El Dorado its officers, agents, employees, or any of them for payment of any premiums or assessments under any policy issued by any insurance company.

CONTRACTOR'S OBLIGATIONS

Contractor's indemnity and other obligations shall not be limited by the insurance required herein and shall survive the expiration of this Contract.

ARTICLE 9

UNCOVERING AND CORRECTION OF WORK

9.1 DEVIATION FROM CONTRACT DOCUMENTS

9.1.1 **Improper Work:** If the Contractor shall vary from the Contract Documents in the form or quality of the Work, or the amount or value of the materials herein provided for, the Owner shall have the right to order such improper work or materials removed, remade, or replaced. In the event that the Work is ordered changed, any other work disturbed or damaged by such alteration shall be made good at the Contractor's expense.

9.2 CORRECTION OF WORK

9.2.1 **Covered or Completed Work:** If any work is covered contrary to the written instructions of the Owner's Representative, or the Inspector, if one is appointed, it must, if requested, be uncovered for observation and replaced at the Contractor's expense.

9.2.2 **Inspection of Covered Work:** If the Owner's Representative or the Inspector, if one is appointed, considers it necessary or advisable that covered Work be inspected or tested by others, the Contractor, upon request, will uncover, expose, or otherwise make available for observation, inspection, or testing as the Inspector may require, that portion of the Work in question, furnishing all necessary labor, materials, tools, and equipment. If it is found that such Work is defective, the Contractor will bear all the expenses of such uncovering, exposure, observation, inspection, and testing and of satisfactory reconstruction; if, however, such Work is not found to be defective, the Contractor will be allowed an increase in the Contract price or an extension of the contract term, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, and construction, and an appropriate Change Order shall be issued.

9.2.3 **Rejected Work:** The Contractor shall promptly remove from the premises all Work rejected by Owner for failure to comply with the Contract Documents, whether incorporated in the construction or not, and the Contractor shall promptly replace and re-execute the work either during the term of the Contract or during the warranty period, in accordance with the Contract Documents and without expense to the Owner and shall bear the expense of making good all Work of other contractors destroyed or damaged by such removal or replacement.

9.2.4 **Cost of Correction:** All removal and replacement Work shall be done at the Contractor's expense. If the Contractor does not take action to remove such rejected Work within ten (10) days after receipt of written notice, the Owner may remove such Work and store the materials at the expense of the Contractor. Owner also may perform such Work or repairs itself and charge the expense to the Contractor.

ARTICLE 10

SUSPENSION OF CONTRACT

10.1 SUSPENSION OF WORK

10.1.1 **Owner May Suspend:** The Owner may suspend the Work or any portion thereof for a period of not more than ninety (90) days or such further time as agreed upon by the Contractor, by written notice to the Contractor which shall fix the date on which work shall be resumed.

10.1.2 **Resumption of Work:** The Contractor shall resume that Work on the dates so fixed. The Contractor shall be allowed an increase in the Contract price or an extension of the contract term, or both, directly attributed to any suspension.

*** END OF CONDITIONS OF THE CONTRACT***

Attachment A

Scope of Work

The project is located at 5700 Union Mine Road, El Dorado, California 95623. The Work to be done as described in the Contract Documents generally consists of at a minimum: furnishing of all labor, materials, and equipment to fabricate, install, program, and test two (2) "complete" new control panels for GEA Model CA 450-00-02 existing decanters. The serial numbers are 8002-042 and 8003-630. The software must include functioning auto torque, clean in place flushing, and auto stop/ start functions as the originals were supplied with.

In coordination with the County's Contract Administrator, the successful Bidder shall:

- Remove and dispose of the two (2) existing control panels.
- Fabricate and furnish (2) "like" control panels. The panels shall be NEMA 4X same as the originals, with most current logix controllers, panel view operator interface, variable frequency drives for scroll control, all necessary breakers, relays, and components, new drawings with bill of materials, and copies of new control panel programs for the County. All control panel components shall be new and include the most current technology available. Control panels shall be able to be controlled in automatic and manual modes.
- Install the two (2) new control panels. The project location has an overhead crane that the successful Bidder can use to set each control panel.
- Wire centrifuges to control panels and all auxiliary equipment including at a minimum, vibration detection, bearing temperature sensors, flush water, feed flowmeters, polymer injection, knife gates, and feed pump variable frequency drives. The successful Bidder shall use the existing wiring except that new wiring will be required for each bowl drive motor, each scroll drive motor, and each polymer system.
- Test centrifuges to ensure the new equipment is functioning properly, and that the programming controls all the equipment. Adjust program as needed for proper control.

Attachment B, Centrifuge #1 Existing Control Panel Drawings and Attachment C, Centrifuge #2 Existing Control Panel Drawings, have been included in the bid documents to allow Bidders to view the existing designs for both panels.

Attachment D, Photos of Existing Control Panels has been included in the bid documents to allow Bidders to view the existing set up and size of both panels.

Attachment E, Prominent Poly Feeder Drawing has been included in the bid documents to ensure the successful Bidder fabricates and designs the control panels to communicate with the polymer injection systems.

Attachment B

Centrifuge #1 Existing Control Panel Drawings PROJECT IDENTIFICATION

For future reference, it is recommended that the user have available pertinent information concerning the system. Ensure the following is complete. This information will assist with the ordering of replacement parts and will be requested during any inquiries to the factory.

Application: Dewatering Municipal Sludge

Purchaser: County of El Dorado
Purchase Order Number: PO 2417578

Installation Location: Union Mine Septage Plant

Westfalia Separator Project No: 900127 / 652355416

Year of Construction: 2004

Machine Model: CC 450-00-02
Serial No. 8003.630

Manual Revision: 0
Manual Issue Date: 8 / 05

****UNION MINE****

WESTFALIA PROJECT # 900127 (CC-450)
ELECTRICAL CONTROLS AND PANEL

REVISION # 1

DATE:20OCT04

LIST OF ELECTRICAL DRAWINGS

SHT 0 - COVER SHEET
SHT 1 - BILL OF MATERIALS
SHT 2 - NAMEPLATE ENGRAVING SCHEDULE
SHT 3 - GENERAL NOTES AND LEGEND
SHT 4 - CENTRIFUGE CONTROL (FRONT VIEW)
SHT 5 - CENTRIFUGE CONTROL (INTERIOR LAYOUT)
SHT 6 - SPARE SHEET
SHT 7 - BOWL MOTOR HIGH VOLTAGE DISTRIBUTION
SHT 8 - SCROLL MOTOR HIGH VOLTAGE DISTRIBUTION
SHT 9 - HIGH VOLTAGE DISTRIBUTION
SHT 10 - SPARE SHEET
SHT 11 - 120VAC POWER DISTRIBUTION
SHT 12 - 120VAC POWER DISTRIBUTION
SHT 13 - SPARE SHEET
SHT 14 - 24VDC POWER DISTRIBUTION
SHT 15 - SPARE SHEET
SHT 16 - PLC SLOTS 1 & 2
SHT 17 - PLC SLOTS 3 & 4
SHT 18 - PLC SLOTS 5 & 6
SHT 19 - PLC SLOTS 7 & 8
SHT 20 - PLC SLOTS 9 & 10
SHT 21 - PLC SLOTS 11 & 12
SHT 22 - RELAY CONTACTS TO CUSTOMER CONTROLS
SHT 23 - POINT TO POINT INTERCONNECT WIRING
SHT 24 - ELECTRICAL INTERCONNECTION DIAGRAM
SHT 25 - X7 JUNCTION BOX & VIBRATION MONITOR
SHT 26 - COMMUNICATIONS NETWORK DIAGRAM

RELEASE HISTORY:

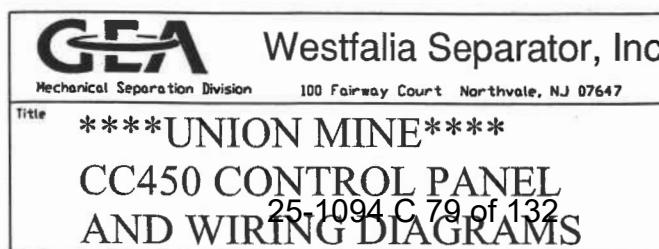
<input type="checkbox"/>	RELEASED FOR: SUBMITTAL & CONSTRUCTION REV: <u>0</u> DATE: <u>30JUNE04</u>
<input checked="" type="checkbox"/>	RELEASED FOR: REVISED AS BUILT REV: <u>1</u> DATE: <u>20OCT04</u>
<input type="checkbox"/>	RELEASED FOR: REV: <u>2</u> DATE:
<input type="checkbox"/>	RELEASED FOR: REV: <u>3</u> DATE:
<input type="checkbox"/>	RELEASED FOR: REV: <u>4</u> DATE:

WSUS APPROVAL:

APPROVED
SIGNATURE:

DATE:

BID #2025-0107
Attachment B



CENTRIFUGE CONTROL PANEL BILL OF MATERIAL

ITEM	TAG NO.	QTY.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
1	CCP-1'	1	HOFFMAN	A-74H7224SSLP A-72P72	NEMA 4X, 2 DOOR ENCLOSURE, 304SS (74" H x 72" W x 24" DP) FURNISHED WITH 10 GA. INTERIOR SUB-PANEL
2	PLC-1111	1	ALLEN BRADLEY	1747-L542	SLC-5/04 PROCESSOR (DH+)
		1	ALLEN BRADLEY	1746-A13	13 SLOT RACK
		1	ALLEN BRADLEY	1746-P2	POWER SUPPLY
		2	ALLEN BRADLEY	1746-IA16	120VAC, 16 PT., DIGITAL INPUT CARD
		1	ALLEN BRADLEY	1746-DA16	120VAC, 16 PT., DIGITAL OUTPUT CARD
		1	ALLEN BRADLEY	1746-NR4	RTD, 4 PT., INPUT CARD
		1	SPECTRUM	1746sc-CTR4	4-CHANNEL HIGH SPEED COUNTER CARD
		2	SPECTRUM	1746sc-INI4i	ISOLATED ANALOG INPUT CARD, 4 PT.
		1	SPECTRUM	1746sc-IND4i	ISOLATED ANALOG OUTPUT CARD, 4 PT.
		4	ALLEN BRADLEY	1746-N2	SLOT COVERS
3	MCB702	1	SQUARE D	KAL36150	CIRCUIT BREAKER, 600VAC, 3-POLE, 150 AMP
		1	SQUARE D	LH6	STANDARD HANDLE ASSEMBLY (RATED FOR NEMA 4X)
		1	SQUARE D	LS12	LONG OPERATING SHAFT WITH SUPPORT BRACKET
4	PDB703	1	SQUARE D	LBA362104	POWER DISTRIBUTION BLOCK
5	CB704	1	SQUARE D	FAL36100-1212	CIRCUIT BREAKER, 480VAC, 3-POLE, 100 AMP W/AUX CONTACT
6	CB804	1	SQUARE D	FAL34040-1212	CIRCUIT BREAKER, 480VAC, 3-POLE, 40 AMP W/AUX CONTACT
7	DIU-1113	1	ALLEN BRADLEY	2711-T10C8	PANELVIEW 1000, COLOR TOUCHSCREEN, (DH+, RS232 PRINTER PORT)
8	CB715 CB1100	2	SQUARE D	FAL24015	CIRCUIT BREAKER, 480VAC, 2 POLE, 15 AMP
9	TX1101	1	SQUARE D	9070 T3000DI	TRANSFORMER 240/480-120, 3KVA
10	AH1125	1	EDWARDS	870P-N5	ALARM HORN, NEMA 4X, 120VAC
11	PB1121	1	SQUARE D	9001SKR9PIRH13	ILLUMINATED E-STOP PUSHBUTTON, RED, MUSHROOM HEAD
12	PL1126	1	SQUARE D	9001-SKPIR3I	INDICATING LIGHT, RED LENS, 120VAC
13	KQI1208	1	ENM	T50B212	ELAPSED TIME METER, 120VAC INPUT, NEMA 4X
14	GND BAR	1	SQUARE D	PK9GTA	GROUND BAR
		1	SQUARE D	PKGTAB	GROUND BAR INSULATOR KIT
15	MS716/ MS718/ MS720	1	SQUARE D	8630 SDDIH V06	WYE DELTA STARTER 480V LINE/120V CONTROL W/THERM. DL'S 40 HP MAX., SIZE 2YD, OPEN TYPE, OPEN TRANSITION
		3	SQUARE D	SB88	THERMAL ELEMENTS - SLO BLOW
		3	SQUARE D	9999 S05V02	CONTACT BLOCK
16	VFD804	1	ABB	ACS800-UI-0020-5	VARIABLE FREQUENCY DRIVE, 11KW (heavy duty rated) 480 VAC
17	TB-1 & 2	140	ENTRELEC	0115116.07 (M 4/6)	TERMINAL BLOCK, 600 V, #24-#10 AWG
18	GFI1105 GFI1127	1	HUBBELL/BRYANT	GFR53FT	GROUND FAULT RECEPTACLE, 20 AMP, 125V
		1	HUBBELL/BRYANT	GFR53INT	BLANK FACE GROUND FAULT INTERRUPTER, 20 AMP, 125V
		2	RED DOT	DIH31LM	SINGLE GANG BOX
		1	LEVITON	80601	RECEPTACLE COVER PLATE, BROWN PLASTIC
		1	LEVITON	80601-I	RECEPTACLE COVER PLATE, IVORY, PLASTIC
19	LUG	2	PANDUIT	LAM2A350-12-6	GROUND LUG
20	WIREWAY	A/R	PANDUIT	TYPE G SLOTTED	SLOTTED WIRE DUCT, RIGID, GREY VINYL W/COVER
21	LAMP1105	1	LITHONIA SYLVANIA HOFFMAN McGILL	S130120LPF F30T12CWR A-LFSWD 2269	36° SINGLE FIXTURE 36° SINGLE BULB DOOR SWITCH PROTECTIVE LIGHTING SLEEVE FOR 36° LAMP WITH 2 CAPS
22	CKT BKR'S	2	ALLEN BRADLEY	1492-CB1G010	CIRCUIT BREAKER, 1 POLE, 1 AMP
		1	ALLEN BRADLEY	1492-CB1G020	CIRCUIT BREAKER, 1 POLE, 2 AMP
		2	ALLEN BRADLEY	1492-CB1G030	CIRCUIT BREAKER, 1 POLE, 3 AMP
		1	ALLEN BRADLEY	1492-CB1G100	CIRCUIT BREAKER, 1 POLE, 10 AMP
		1	ALLEN BRADLEY	1492-CB1G200	CIRCUIT BREAKER, 1 POLE, 20 AMP
		1	ALLEN BRADLEY	1492-CB1G300	CIRCUIT BREAKER, 1 POLE, 30 AMP
23	ITEM NUMBER NOT USED				
24	ITEM NUMBER NOT USED				
25	API1904	1	ACTION PAK	AP4380-2000	DC INPUT, FIELD CONFIGURABLE ISOLATOR
26	PF-1109	1	AEGIS	AGSHW-CH-120N-10-XC	POWER FILTER/SURGE PROTECTOR, 120VAC, 10 AMP
27	MCR-1121	1	SQUARE D	8501 X080V02	INDUSTRIAL CONTROL RELAY, 8 NO. CONTACTS
28	PS-1402	1	SOLA	SDN 2.5-24-100	24VDC POWER SUPPLY, 2.5 AMP, 60W

CENTRIFUGE CONTROL PANEL BILL OF MATERIAL (CONTINUED)

ITEM	TAG NO.	QTY.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
29	RELAYS	15	SQUARE D	8501-KU13MIP14V60	RELAY, 3PDT, 120VAC, 10AMP, W/OPERATOR & INDICATING LIGHT
		15	SQUARE D	8501-NR82	RELAY MOUNTING BASE, DIN RAIL MOUNT
30	TIB-2122 TIB-2128	2	PEPPRL & FUCHS	KFD2-ST2-Ex2	TRANSFORMER ISOLATED BARRIER
31	SS-1621	1	SQUARE D	9001-KS11K1-H13	KEYED SELECTOR SWITCH, 2 POSITION, MANUAL RETURN
32	PB-1622 PB-1623	2	SQUARE D	9001-SKRIBH5	MOMENTARY PUSHBUTTON, BLACK, 1 N.O. CONTACT
33	PB-1625 PB-1626	2	SQUARE D	9001-SKRIYH5	MOMENTARY PUSHBUTTON, YELLOW, 1 N.O. CONTACT
34	TSH704 TSH804	2	SIEMENS	3RN1010-ICG100	MOTOR THERMISTOR PROTECTION RELAY
35	CT704	1	CROMPTON	798-U-PKLS	CURRENT TRANSFORMER (100:5) 0-5 AMPS
36	SCI404	1	OMEGA	DRA-ACT-21-2	SIGNAL CONDITIONER 0-5 AMPS TO 4-20mA DC
37	VIMI127	1	BENTLY NEVADA (PROVIDED BY WSUS)	1900-27	VIBRATION MONITOR

*** - VIBRATION MONITOR FIELD MOUNTED

BID #2025-0107
Attachment B

Page 4 of 29

TERMINAL BLOCK LEGEND			
X CENTRIFUGE CONTROL PANEL			
▲ CUSTOMER			
■ X4 TERM. BLOCK			
△ X7 TERM. BLOCK			
---- EXTERNAL WIRING			
UNION MINE			
CC-450 CENTRIFUGE CONTROL PANEL BILL OF MATERIALS			
Westfalia Separator, Inc.			
GEA Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647			
Title			
CC-450 CENTRIFUGE CONTROL PANEL BILL OF MATERIALS			
Union Mine			
Draun Approved Date			
RR RS 30JUN04			
Sheet Machine Type DWG. NO.			
1 OF 26 CC450-1094C-802 of 132 Rev. 1			

County of El Dorado

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

CENTRIFUGE CONTROL PANEL ENGRAVING SCHEDULE
(DRAWINGS 90-0127-A-04 & 05)

ID NO.	QTY.	TYPE	SIZE	PLATE COLOR	LETTER COLOR	FIRST LINE \ SECOND LINE, ETC.	REFERENCE TAG NO.
A	1	NP	2" x 6"	BLACK	WHITE	CENTRIFUGE CONTROL PANEL	CCP
B	1	NP	2" x 4"	YELLOW	BLACK	MAIN DISCONNECT 480VAC, 3PH, 60HZ \ WARNING DISCONNECT SOURCE POWER BEFORE SERVICING	MCB-702
C	1	LP	2-1/4" SQ.	RED	WHITE	EMERGENCY STOP	PB-1121
D	1	NP	1" x 3"	BLACK	WHITE	BOWL MOTOR \ RUN TIME	KOI-1208
E	1	NP	1" x 3"	BLACK	WHITE	ALARM HORN	AH-1125
F	1	NP	1" x 3"	BLACK	WHITE	OPERATOR INTERFACE UNIT	DIU-1113
G	1	LP	2-1/2" SQ.	BLACK	WHITE	MAINTENANCE MODE \ ON-OFF	SS-1821
H	1	LP	2-1/2" SQ.	BLACK	WHITE	SCROLL JOG	PB-1822
I	1	LP	2-1/2" SQ.	BLACK	WHITE	BOWL JOG	PB-1823
J	1	NP	1" x 3"	BLACK	WHITE	COMMON ALARM	PL-1126
K	1	NP	1" x 3"	BLACK	WHITE	ALARM ACKNOWLEDGE	PB-1825
L	1	NP	1" x 3"	BLACK	WHITE	ALARM RESET	PB-1826

LABEL SCHEDULE (TYPICAL)	
LBL1	USE COPPER CONDUCTORS ONLY. RECOMMENDED TORQUE: 5.31 - 7.08 LB./IN.
LBL2	CLASS A GFCI GFCI RECEPTACLE NOT TO BE USED FOR EXTERNAL CONNECTIONS
LBL3	<p>WARNING: USE OF THE FOLLOWING COMPONENTS IS DEPENDENT ON THE ADDITIONAL PROTECTION AFFORDED BY THE GFCI AND OVERCURRENT PROTECTIVE DEVICE PROVIDED, DO NOT REMOVE OR DEFEAT THESE PROTECTED COMPONENTS. UNLISTED PANEL DEVICES.</p> <p>VIM1127 VIBRATION MONITOR</p> <p>THE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) SHOULD BE CHECKED PERIODICALLY FOR PROPER OPERATION</p>

BID #2025-0107
Attachment B

Page 5 of 29

NOTE:
1. PROVIDE LAMINATED BLACK NAMEPLATE W/BEVELED EDGES AND $\frac{1}{2}$ " WHITE LETTERS
TO IDENTIFY EACH PANEL.
2. PROVIDE LAMINATED NAMEPLATES WITH BEVELED EDGES AND $\frac{1}{4}$ " LETTERS FOR EACH
MOUNTED DEVICE AS PER ABOVE SCHEDULE.
NAMEPLATES ARE TO BE GLUED TO FRONT OF PANELS.

County of El Dorado

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

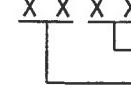
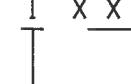
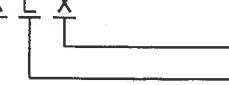
TERMINAL BLOCK LEGEND			
X CENTRIFUGE CONTROL PANEL			
▲ CUSTOMER			
■ X4 TERM. BLOCK			
△ X7 TERM. BLOCK			
--- EXTERNAL WIRING			
UNION MINE			
Drawn	Approved	Date	Sheet
RR	RS	30JUN04	2 OF 26
Machine Type	CC450	DWG. NO.	251094C 81 of 132
Rev.			02

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title
CC-450 CENTRIFUGE
NAMEPLATE ENGRAVING
SCHEDULE

NOTES:

WIRE DESIGNATIONS:

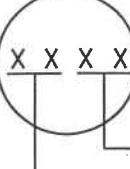
1. WIRE #  SEQUENTIAL LINE # ON DESIGNATED SHEET
SHEET #
2. WIRE  PLC I/O PROGRAM DESIGNATION
PLC INPUT
3. WIRE  PLC I/O PROGRAM DESIGNATION
PLC OUTPUT
4. L = 120 VAC HOT WIRE
N = 120 VAC NEUTRAL WIRE
LXXX = STARTING POINT OF WIRE (SHEET & LINE #)
XXXX = STARTING POINT OF WIRE
5. X T X  PHASE DESIGNATION
MOTOR LEAD DESIGNATION
SEQUENTIAL DESIGNATION
6. X L X  PHASE DESIGNATION
POWER LEAD DESIGNATION
SEQUENTIAL DESIGNATION

WIRE COLOR CODING:

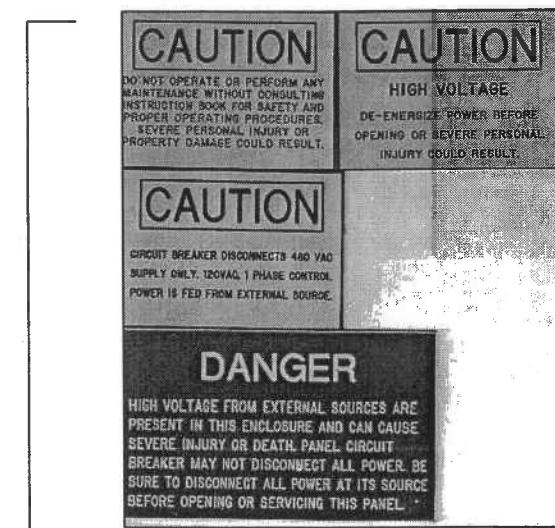
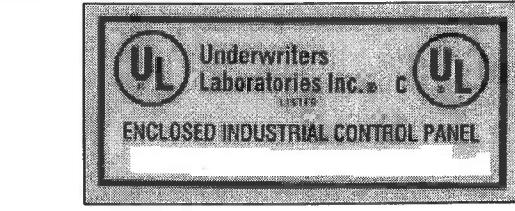
600V INSULATED CONDUCTORS		
	POWER	PREMISES
	480V	208/120/240V
PHASE A	BROWN	BLACK
PHASE B	ORANGE	RED
PHASE C	YELLOW	BLUE
GROUND	GREEN	GREEN
NEUTRAL	WHITE	WHITE

CONTROL WIRING (LIMITED TO 10 AMPS) #16AWG, MTW, 300V INSULATED	
UNGROUNDED 120VAC	RED
NEUTRAL 120VAC	WHITE
DIRECT CURRENT	BLUE
FOREIGN VOLTAGE	YELLOW
GROUNDING	GREEN

MO. SIGNAL WIRING, #18AWG, PLTC/ITC/CLC,
TWISTED SHIELDED, 300V CONTROL CABLE
(#OF PAIRS AS REQ'D), BELDEN OR EQUAL.
ALL SHIELDED SIGNAL WIRING SHALL BE RUN
IN SEPARATE WIREWAYS WITHIN THE PANEL.

7.  LINE WHERE COIL
IS LOCATED
SHEET WHERE COIL
IS LOCATED
8.  = PUSH BUTTON
-  = PILOT LIGHT
X = LENS COLOR
-  = ILLUMINATED PUSH BUTTON
X = LENS COLOR
-  = SELECTOR SWITCH
-  = KEYSWITCH

UL LABEL TO BE APPLIED
TO INTERIOR SURFACE OF
PANELS UPON COMPLETION
OF UL INSPECTION



PANEL FABRICATOR TO
PROVIDE LABELS ON
FRONT OF ENCLOSURES
WHEN APPLICABLE

GENERAL NOTES:

1. 24VDC, 120VAC & 480 VAC WIRING MUST BE RUN SEPARATELY WITHIN THE CONTROL & MOTOR PANELS. PANEL FABRICATOR TO PROVIDE FOR ADEQUATE SEPARATION BETWEEN CONDUCTORS USING WIREWAY WHEREVER POSSIBLE, IN ORDER TO AVOID ELECTRICAL NOISE INTERFERENCE.
2. ONLY WHEN ABSOLUTELY NECESSARY, CROSS 120VAC & 24VDC WIRING AT 90° ANGLES. NEVER RUN 24VDC NEAR OR ACROSS 480VAC WIRING !
3. PANEL FABRICATOR TO DETERMINE EXACT SIZE OF WIRING DUCTS TO ACCOMMODATE REQUIRED NUMBER OF CONDUCTORS.
4. WIRE MARKERS TO BE SLIP ON SLEEVE TYPE. MARK BOTH ENDS OF WIRE.

BID #2025-0107
Attachment B

Page 6 of 29

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL/CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

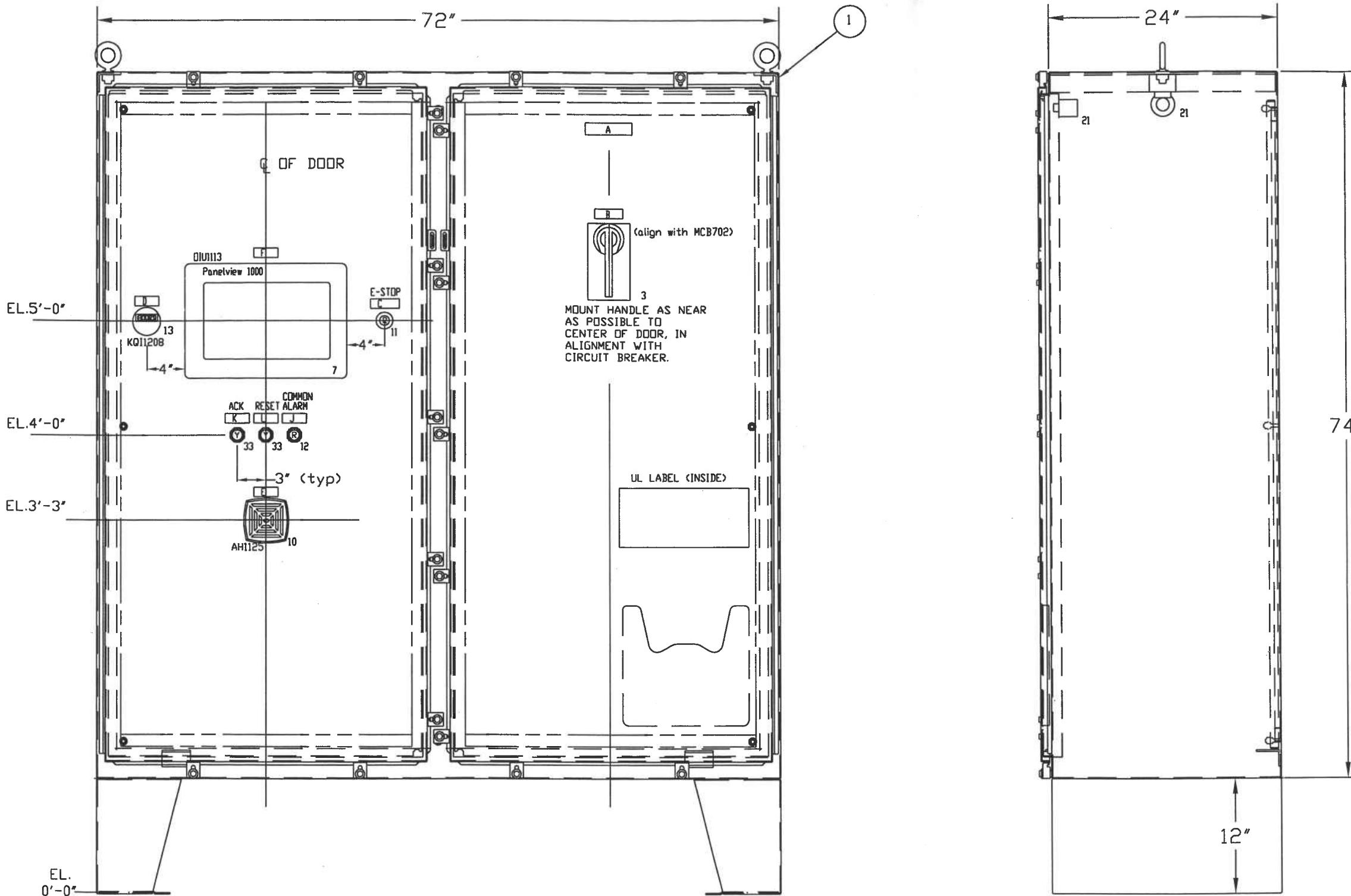
TERMINAL BLOCK LEGEND
X CENTRIFUGE CONTROL PANEL

▲ CUSTOMER
■ X4 TERM. BLOCK
△ X7 TERM. BLOCK
--- EXTERNAL WIRING

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

CC450 CENTRIFUGE
GENERAL NOTES & LEGEND
UNION MINE

Sheet 3 of 26 Machine Type CC450 Rev. 1
Rev. 1094 C 82 of 132 A-03



BID #2025-0107
Attachment B

NEMA 4X ENCLOSURE, 304SS STEEL
MODEL # A-74H7224SSLP

SCALE: 1"=1'-0"

Page 7 of 29

County of El Dorado

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHLAKE, NJ U.S.A.

TERMINAL BLOCK LEGEND	
<input checked="" type="checkbox"/>	CENTRIFUGE CONTROL PANEL
<input checked="" type="checkbox"/>	CUSTOMER
<input checked="" type="checkbox"/>	X4 TERM. BLOCK
<input checked="" type="checkbox"/>	X7 TERM. BLOCK
--- EXTERNAL WIRING	
Drawn	Approved

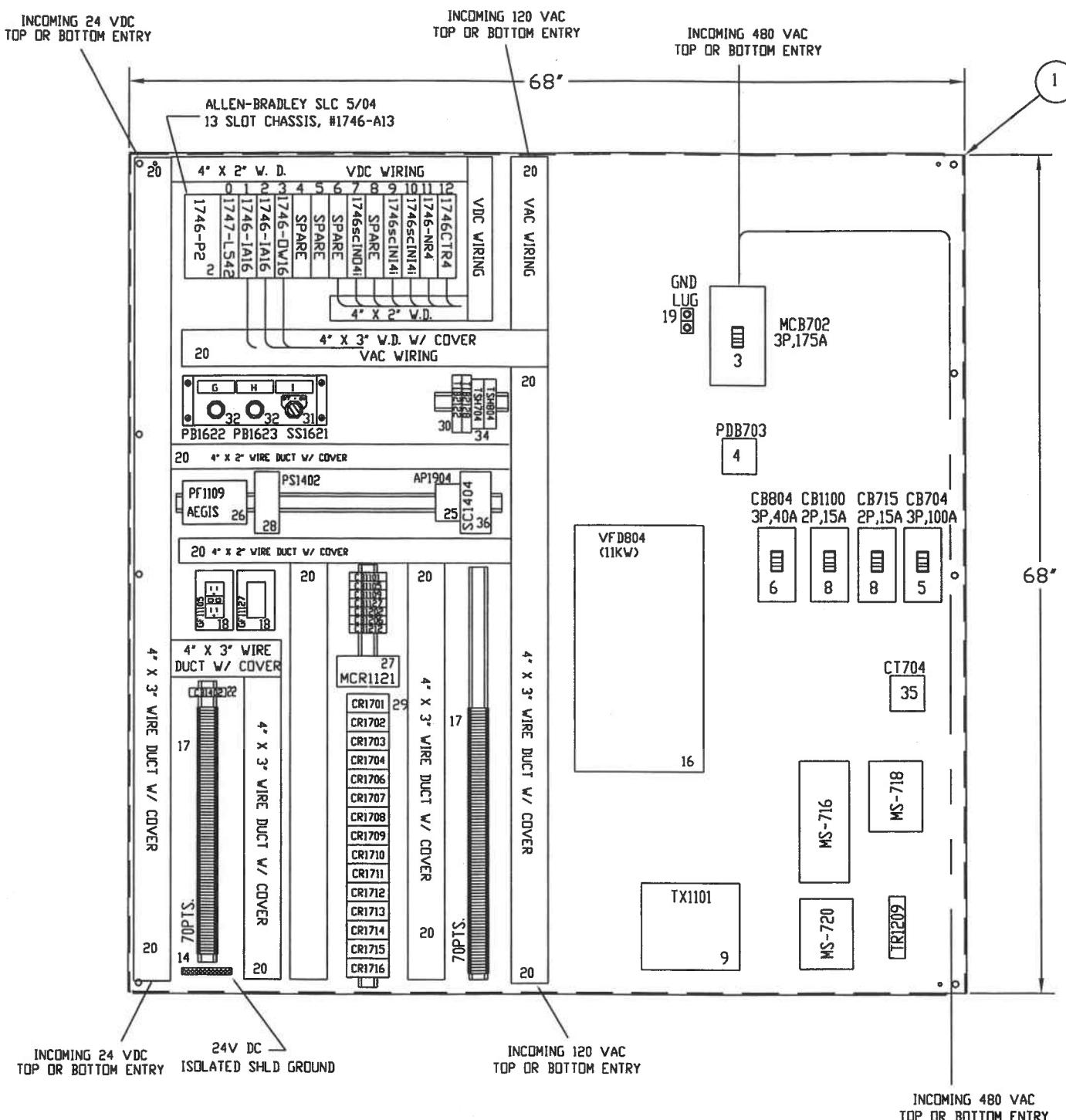
GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CC450 CENTRIFUGE
CONTROL PANEL
FRONT VIEW

UNION MINE

Sheet 4 of 26 Machine Type CC450-25-1094-C83 of 132 Rev. 1



HOFFMAN SUBPANEL: MODEL #A-72P72

SCALE: 1"=1'-0"

Page 8 of 29

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

1	L1102
2	L1102
3	L1102
4	L1102
5	L1102
6	L1202
7	N1102
8	N1102
9	N1102
10	N1102
11	1121-1
12	1121-2
13	1127-H
14	1127-N
15	1202
16	1203
17	1205
18	1206
19	I0109
20	I0110
21	I0111
22	I0112
23	I0113
24	I0114
25	I0203
26	I0206
27	I0207
28	I0208
29	I0209
30	I0210
31	I0211
32	I0212
33	I0213
34	I0214
35	I0215

36	00304
37	CR1701ND
38	CR1701C
39	CR1701NC
40	CR1714ND
41	CR1714C
42	CR1714NC
43	CR1708ND
44	CR1708C
45	CR1708NC
46	CR1709ND
47	CR1709C
48	CR1709NC
49	CR1715ND
50	CR1715C
51	CR1715NC
52	CR1716ND
53	CR1716C
54	CR1716NC
55	SPARE
56	SPARE
57	SPARE
58	SPARE
59	SPARE
60	SPARE
61	SPARE
62	SPARE
63	SPARE
64	SPARE
65	SPARE
66	SPARE
67	SPARE
68	SPARE
69	SPARE
70	SPARE

1	+24VDC
2	+24VDC
3	DC COM
4	DC COM
5	1904+
6	1904-
7	SHIELD
8	A0702+
9	A0702-
10	SHIELD
11	A0703+
12	A0703-
13	SHIELD
14	AI902+
15	+24VDC
16	SHIELD
17	AI1000+
18	AI1000-
19	SHIELD
20	AI1001+
21	AI1001-
22	SHIELD
23	AI1002+
24	AI1002-
25	SHIELD
26	AI1003+
27	AI1003-
28	SHIELD
29	1100RTD
30	1100S
31	1100R
32	SHIELD
33	1101RTD
34	1101S
35	1101R

— LABEL TERMINAL BLOCKS —
WITH WIRE NUMBERS (TYP)

BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

GEA Mechanical Separation Division Westfalia Separator, Inc.
100 Fairway Court, Northvale, NJ 07647

CC450 CENTRIFUGE
CONTROL PANEL
INTERIOR LAYOUT

UNION MINE
Sheet 5 OF 26 Machine Type CC450 DWG. NO. 25-1094-C 84 of 132 Rev. 1

.....SPARE SHEET.....

BID #2025-0107
Attachment B

Page 9 of 29

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

CENTRIFUGE CONTROL PANEL

CUSTOMER

X4 TERM. BLOCK

X7 TERM. BLOCK

----- EXTERNAL WIRING



Westfalia Separator, Inc.

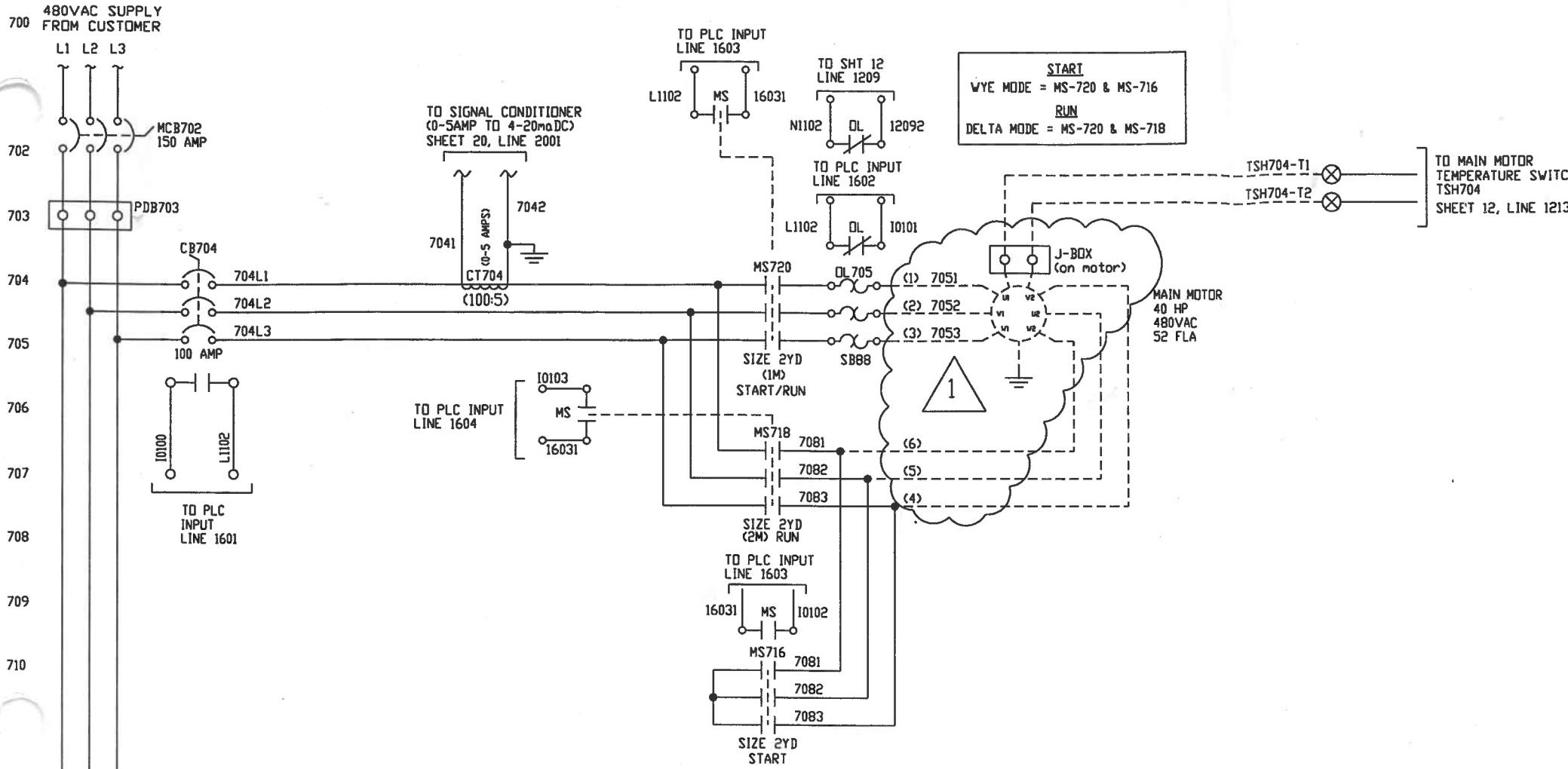
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CC450 CENTRIFUGE
SPARE SHEET

UNION MINE

Drawn	Approved	Date	Sheet	Machine Type	Dwg. No.	Rev.
RR	RS	30 JUN 04	06 OF 26	CC450	251094C85 of 132	1



800

L1 L2 L3

802

B03

504

810

812

315

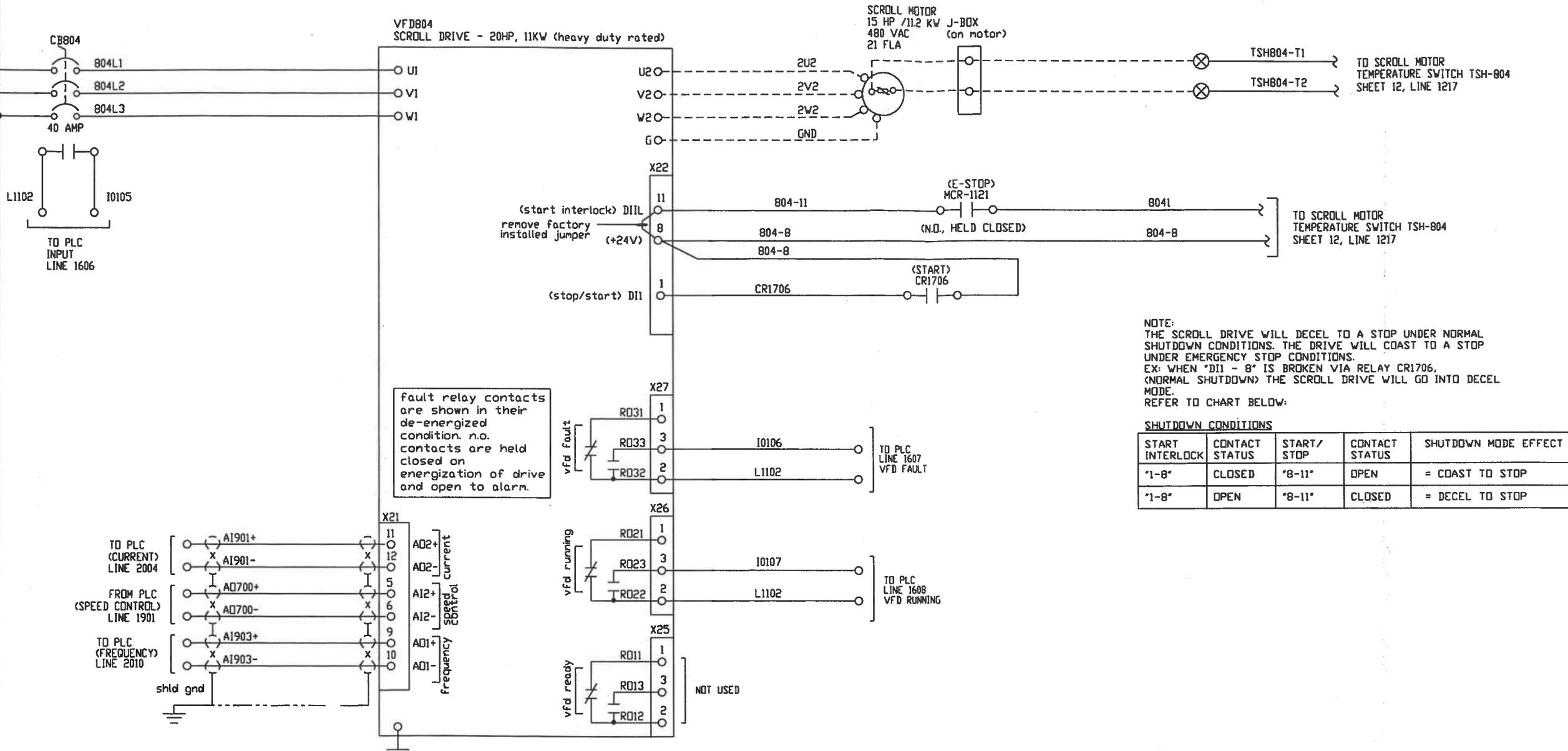
54

450VAC CONTINUED
ON SHEET 9, LINE 900

12 12

460VAC CONTINUED
ON SHEET 9, LINE 900

County of El Dorado



Page 11 of 2

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHLAKE, NJ U.S.A.

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Farnum Street, North Haven, CT 06473

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647
Title CC-450 CENTRIFUGE
SCROLL MOTOR
HIGH VOLTAGE DISTRIBUTION
UNION MINE

UNION MINE
Sheet 8 of 26 Machine Type CC4500 Dwg. No. 251094-C 87 of 132 Rev. 1

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

480VAC CONTINUED
FROM SHEET 8, LINE 820

900 L1 L2 L3

902

903

904

905

906

907

908

909

910

912

913

914

915

916

917

918 L1
L2
TO TRANSFORMER TX-1101
ON SHT 11, LINE 1101

919 L1 L2 L3
80VAC LAST USED

County of El Dorado

Page 12 of 29

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

CENTRIFUGE CONTROL PANEL

CUSTOMER

X4 TERM. BLOCK

X7 TERM. BLOCK

----- EXTERNAL WIRING

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title CC-450 CENTRIFUGE
HIGH VOLTAGE DISTRIBUTION

UNION MINE

Drawn	Approved	Date	Sheet	Machine Type	Dwg. No.	Rev.
RR	RS	30 JUN 04	9 OF 26	CC450	251094C	88 of 132 09 1

1000

1002

1003

1004

1005

1006

1007

1008

1009

1010

1012

1013

1014

1015

1016

1017

1018

1019

County of El Dorado

.....SPARE SHEET.....

Page 13 of 29

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

 CENTRIFUGE CONTROL PANEL CUSTOMER X4 TERM. BLOCK X7 TERM. BLOCK

----- EXTERNAL WIRING -----



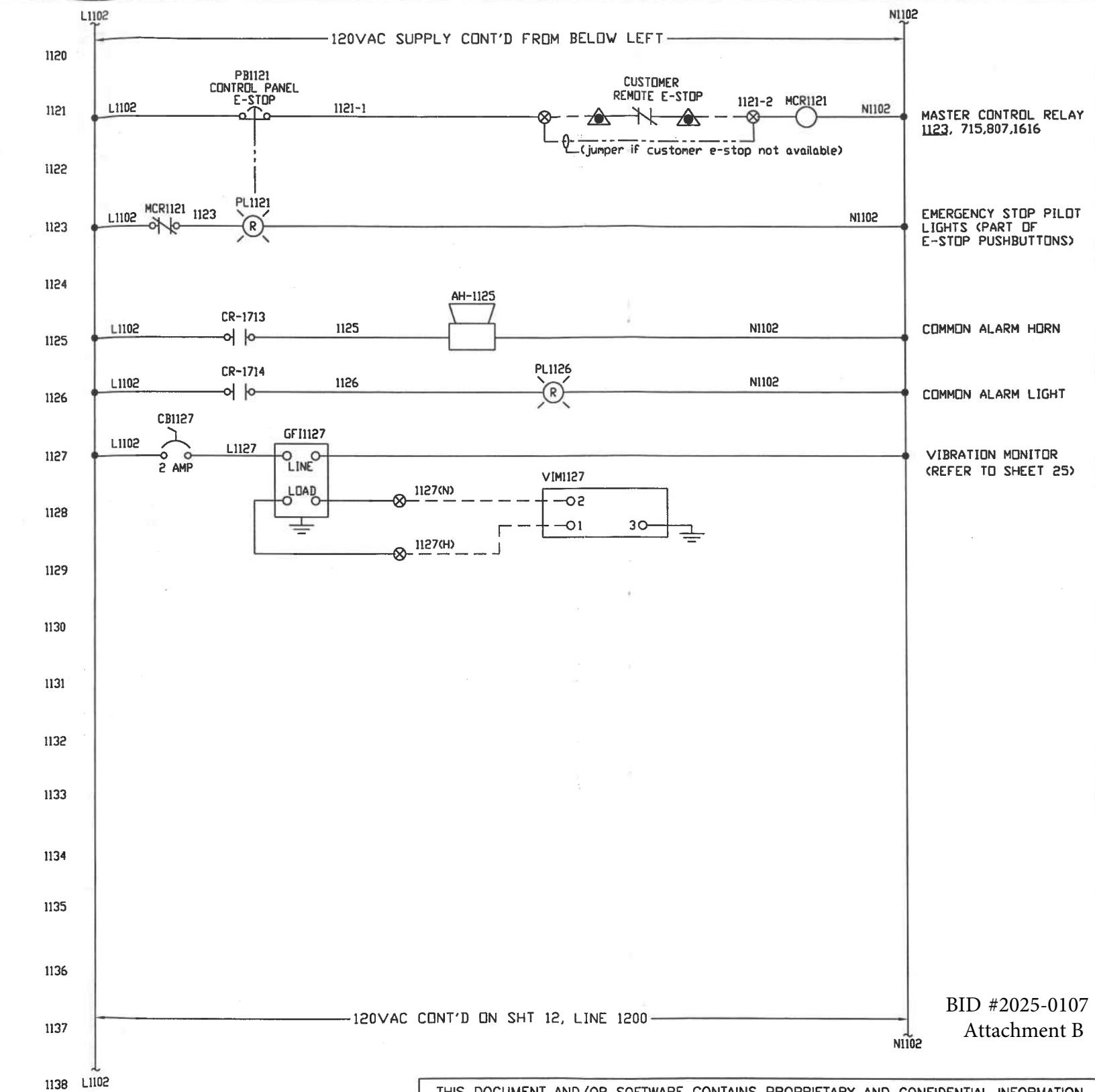
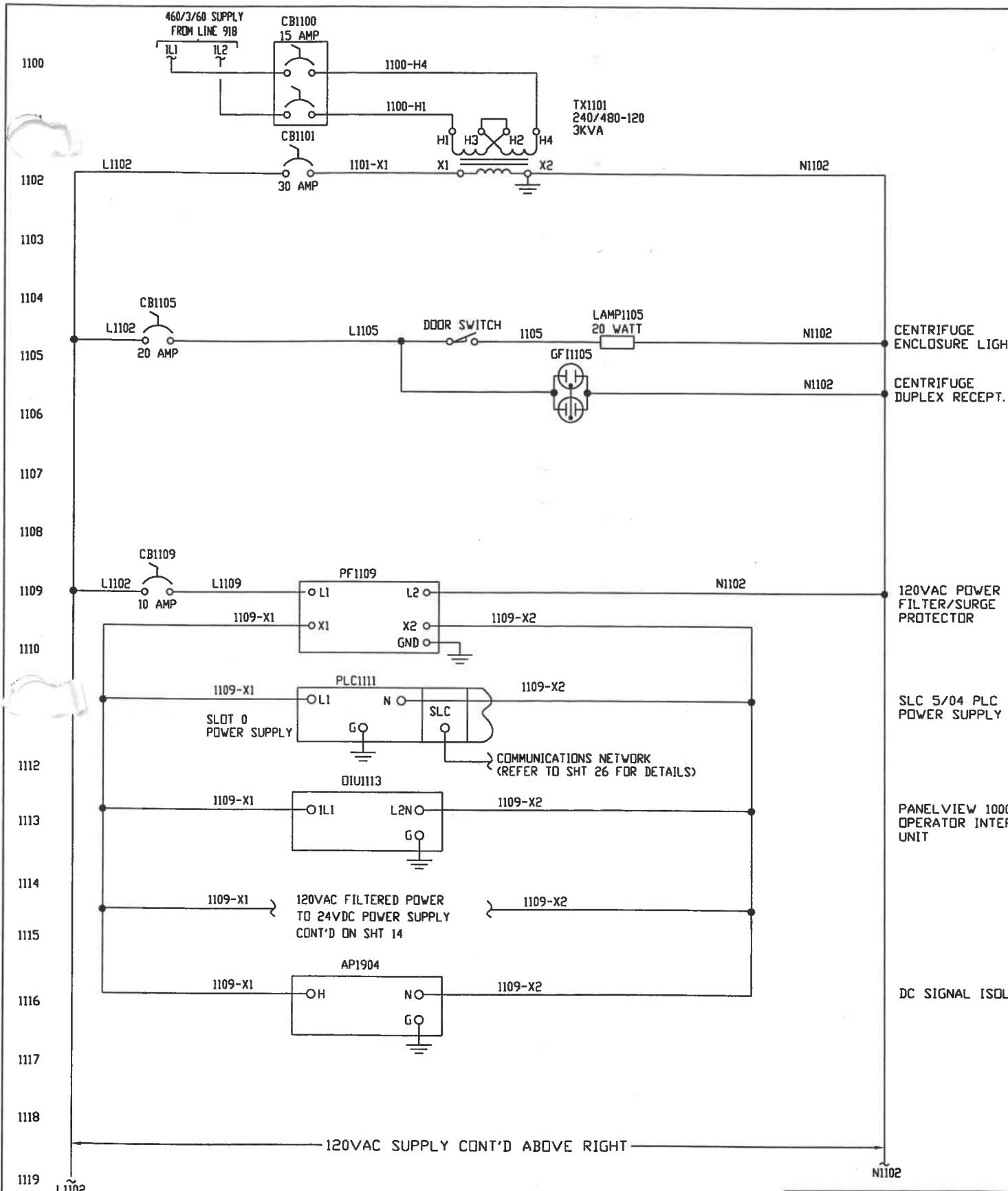
Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title CC-450 CENTRIFUGE
SPARE SHEET

UNION MINE

Drawn	Approved	Date	Sheet	Machine Type	Inv. No.
RR	RS	30JUN04	10 OF 26	CC450	251094C 89 of 132
					70-0127-A-10
					Rev. 1

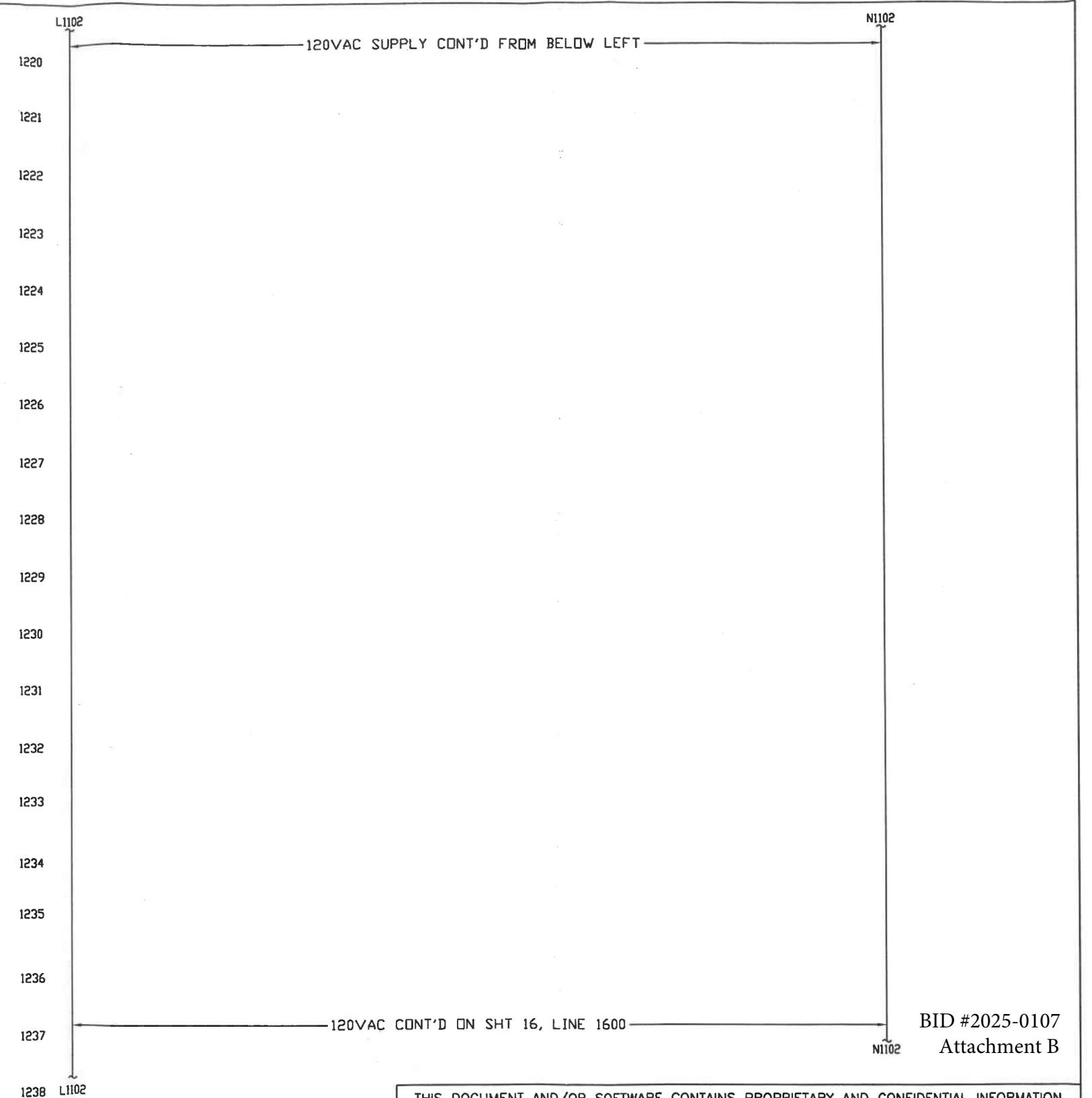
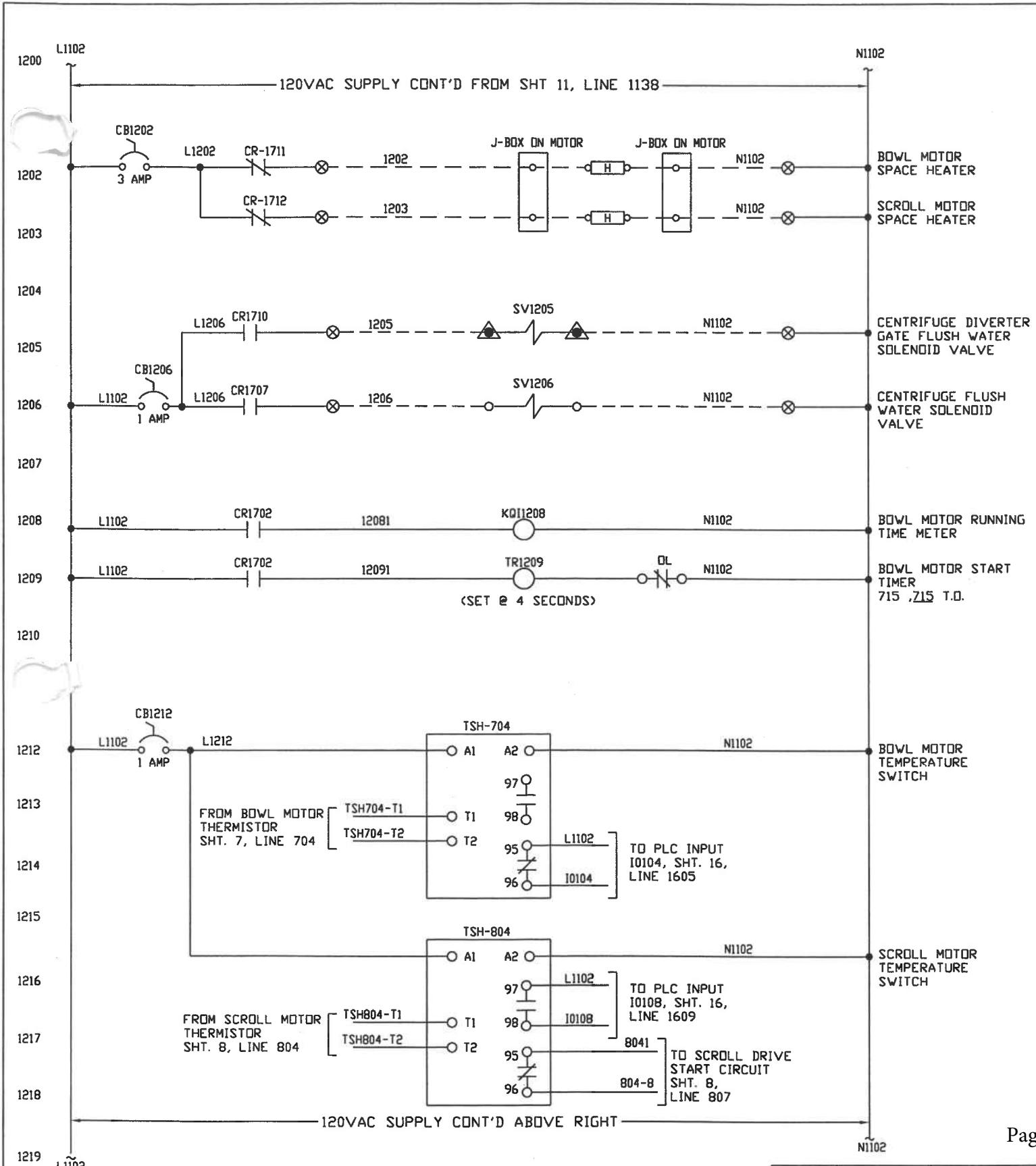


County of El Dorado

Page 14 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHLAKE, NJ U.S.A.

6				TERMINAL BLOCK LEGEND <input checked="" type="checkbox"/> CENTRIFUGE CONTROL PANEL <input type="checkbox"/> CUSTOMER <input type="checkbox"/> X4 TERM. BLOCK <input type="checkbox"/> X7 TERM. BLOCK ----- EXTERNAL WIRING	Westfalia Separator, Inc. GSA Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647 Title CC-450 CENTRIFUGE 120VAC POWER DISTRIBUTION UNION MINE					
5										
4										
3										
2										
1	RR	20OCT04	REVISED AS BUILT							
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE	Drawn RR	Approved RS	Date 30JUN04	Sheet 11 OF 26	Machine Type CC450	Div. No. 90-0127-A-11	Rev. 1
REV.	BY	DATE	REVISION							



Page 15 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHLAKE, NJ U.S.A.

6				TERMINAL BLOCK LEGEND <input checked="" type="checkbox"/> CENTRIFUGE CONTROL PANEL <input type="checkbox"/> CUSTOMER <input checked="" type="checkbox"/> X4 TERM. BLOCK <input type="checkbox"/> X7 TERM. BLOCK ----- EXTERNAL WIRING	GEA Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647 Title CC-450 CENTRIFUGE 120VAC POWER DISTRIBUTION UNION MINE						
5											
4											
3											
2											
1	RR	20OCT04	REVISED AS BUILT								
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE	Drawn	Approved	Date	Sheet	Machine Type	Inv. No.	Rev.	
REV.	BY	DATE	REVISION	RR	RS	30JUN04	12 OF 26	CC450	251094-C 81 of 132	A-12	1

1300

1302

1303

1304

1305

1306

1307

1308

1309

1310

1312

1313

1314

1315

1316

1317

1318

1319

.....SPARE SHEET.....

BID #2025-0107
Attachment B

Page 16 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

X CENTRIFUGE CONTROL PANEL

▲ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING



Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

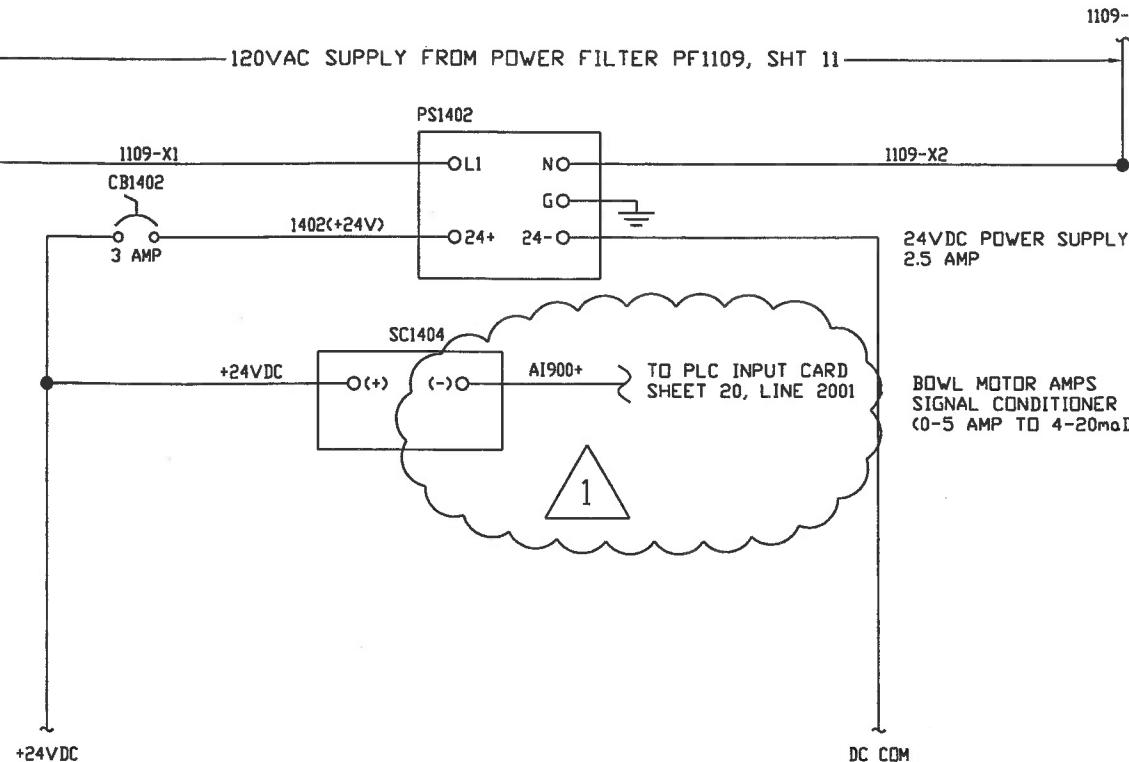
Title

CC450 CENTRIFUGE
SPARE SHEET

UNION MINE

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

Drawn	Approved	Date	Sheet	Machine Type	Dwg. No.	Rev.
RR	RS	30JUN04	13 OF 26	CC450	251094C92 of 132	A-13



THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

⊗ CENTRIFUGE CONTROL PANEL

• ▲ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING

GEA Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CC-450 CENTRIFUGE
24VDC POWER DISTRIBUTION

UNION MINE

Drawn	Approved	Date	Sheet	Machine Type	DVG. NO.	Rev.
RR	RS	30JUN04	14 OF 26	CC450	251094C93 of 132	14

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

1500

1502

1503

1504

1505

1506

1507

1508

1509

1510

1512

1513

1514

1515

1516

1517

1518

1519

.....SPARE SHEET.....

Page 18 of 29

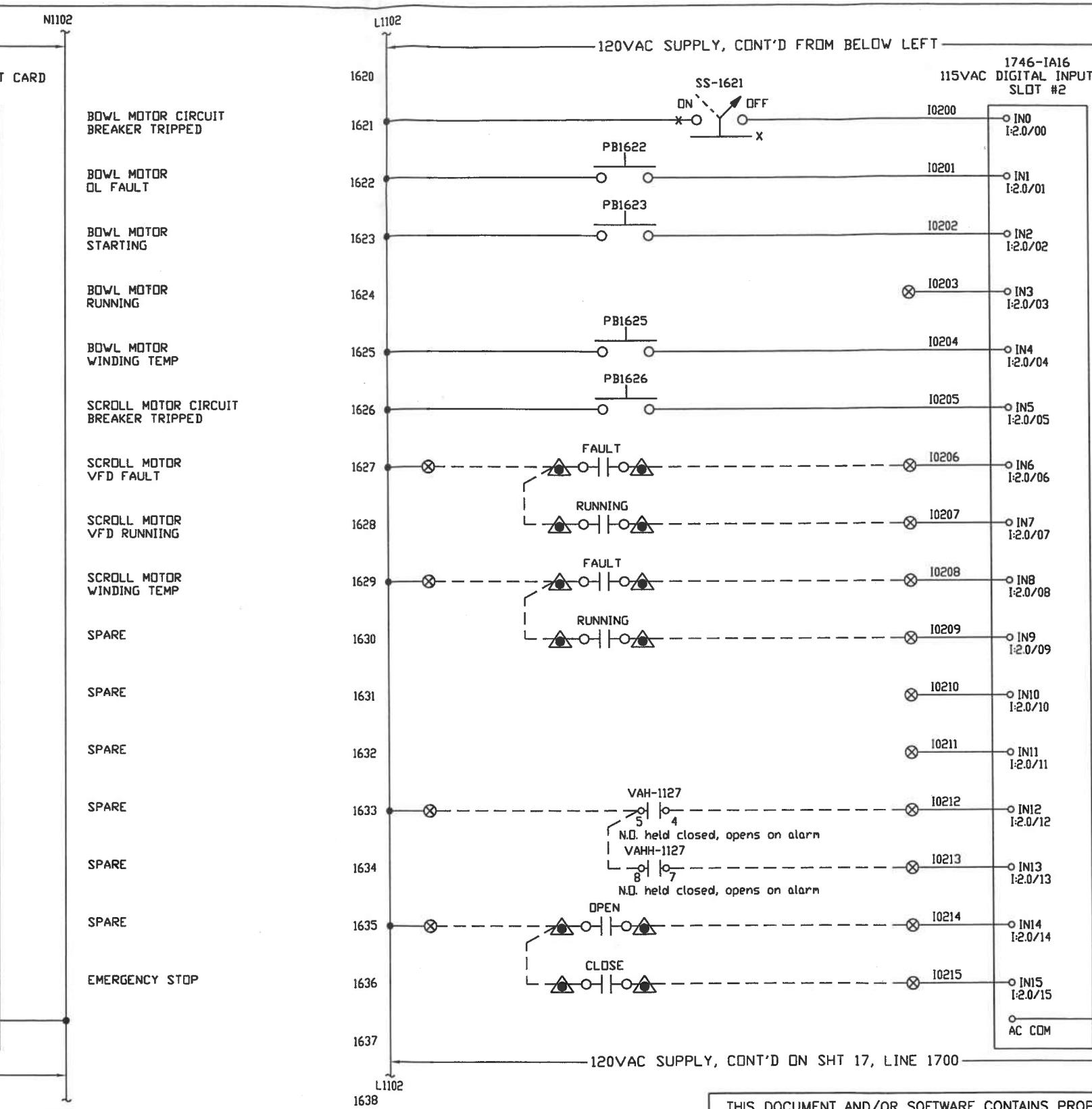
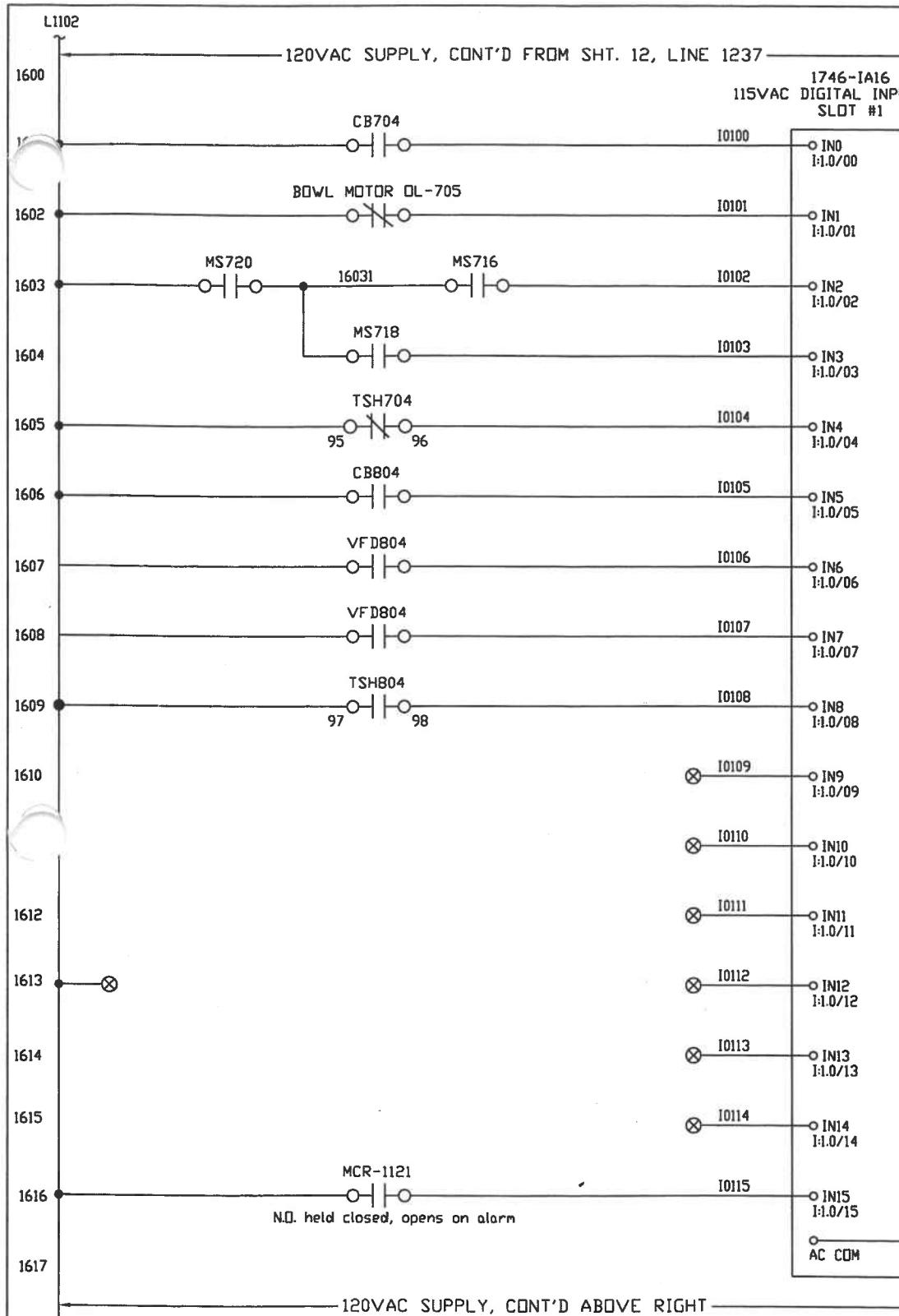
BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

County of El Dorado

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

TERMINAL BLOCK LEGEND			
<input checked="" type="checkbox"/> CENTRIFUGE CONTROL PANEL			
<input type="triangle"/> CUSTOMER			
<input type="square"/> X4 TERM. BLOCK			
<input type="triangle"/> X7 TERM. BLOCK			
----- EXTERNAL WIRING -----			
UNION MINE			
Drawn RR	Approved RS	Date 30JUN04	Sheet 15 OF 26
Machine Type CC 450 CENTRIFUGE SPARE SHEET	Dwg. No. CC 450 CENTRIFUGE SPARE SHEET	Rev. 132-15	1



Maintenance Mode On

Scroll Motor Jog

Bowl Motor Jog

Spare

Alarm Acknowledge

Alarm Reset

Sludge Feed Pump Fault

Sludge Feed Pump Running

Polymer Feed Pump Fault

Polymer Feed Pump Running

Spare

Spare

Spare

Vibration Monitor Alarm High

Vibration Monitor Alarm High-High

Divertor Gate Open

Divertor Gate Close

BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND
⊗ CENTRIFUGE CONTROL PANEL

△ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING

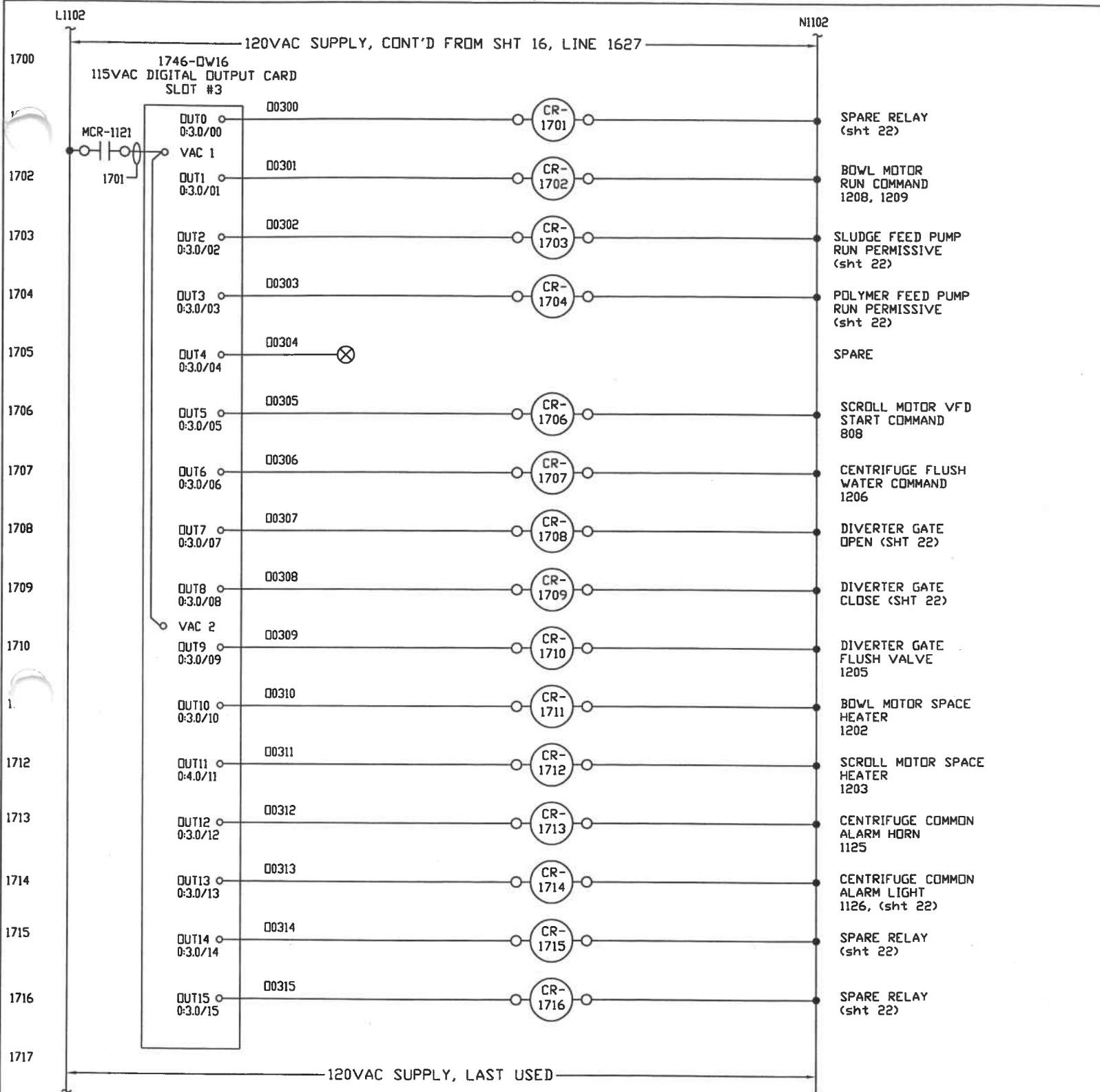
GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

CC-450 CENTRIFUGE
I/O LAYOUT
PLC SLOTS 1 & 2

UNION MINE

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

Draw	Approved	Date	Sheet	Machine Type	Dwg. No.	Rev.
RR	RS	30JUN04	16 OF 26	CC450	251094C 05 of 132	16



SPARE SLOT
SLOT #4

1720

1721

1722

1723

1724

1725

1726

1727

1728

1729

1730

1731

1732

1733

1734

1735

1736

1737

1738

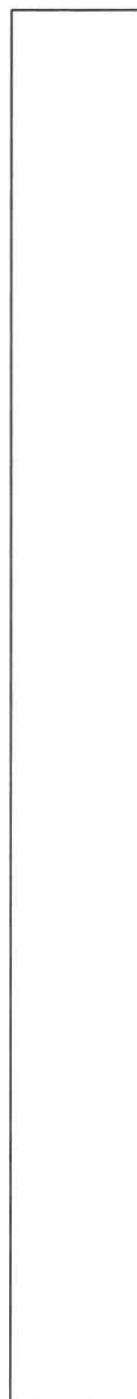
BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647
Title CC-450 CENTRIFUGE
I/O LAYOUT
PLC SLOTS 3 & 4
UNION MINE
Drawn Approved Date Sheet Machine Type DWG. NO.
RR RS 30JUN04 17 OF 26 CC450 251094C 06 of 132 A-17 Rev. 1

6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

1800

SPARE SLOT
SLOT #5

1802

1803

1804

1805

1806

1807

1808

1809

1810

1812

1813

1814

1815

1816

1817

1820

1821

1822

1823

1824

1825

1826

1827

1828

1829

1830

1831

1832

1833

1834

1835

1836

1837

1838

SPARE SLOT
SLOT #6BID #2025-0107
Attachment B

1818

1819

Page 21 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

X CENTRIFUGE CONTROL PANEL

▲ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING

GEA Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CC-450 CENTRIFUGE

I/O LAYOUT

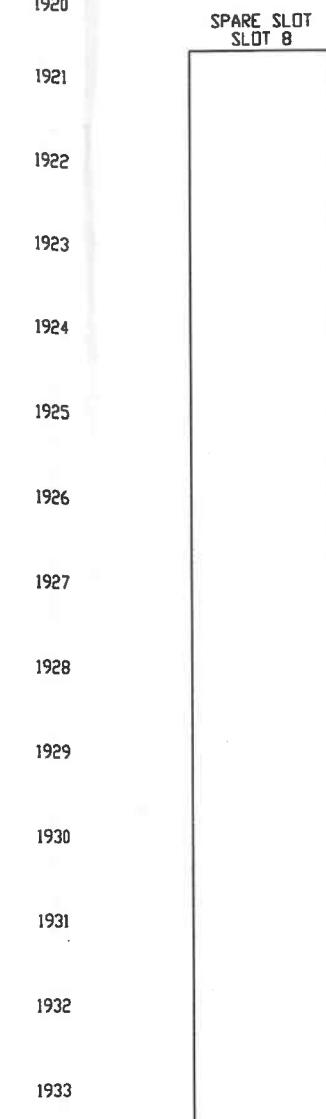
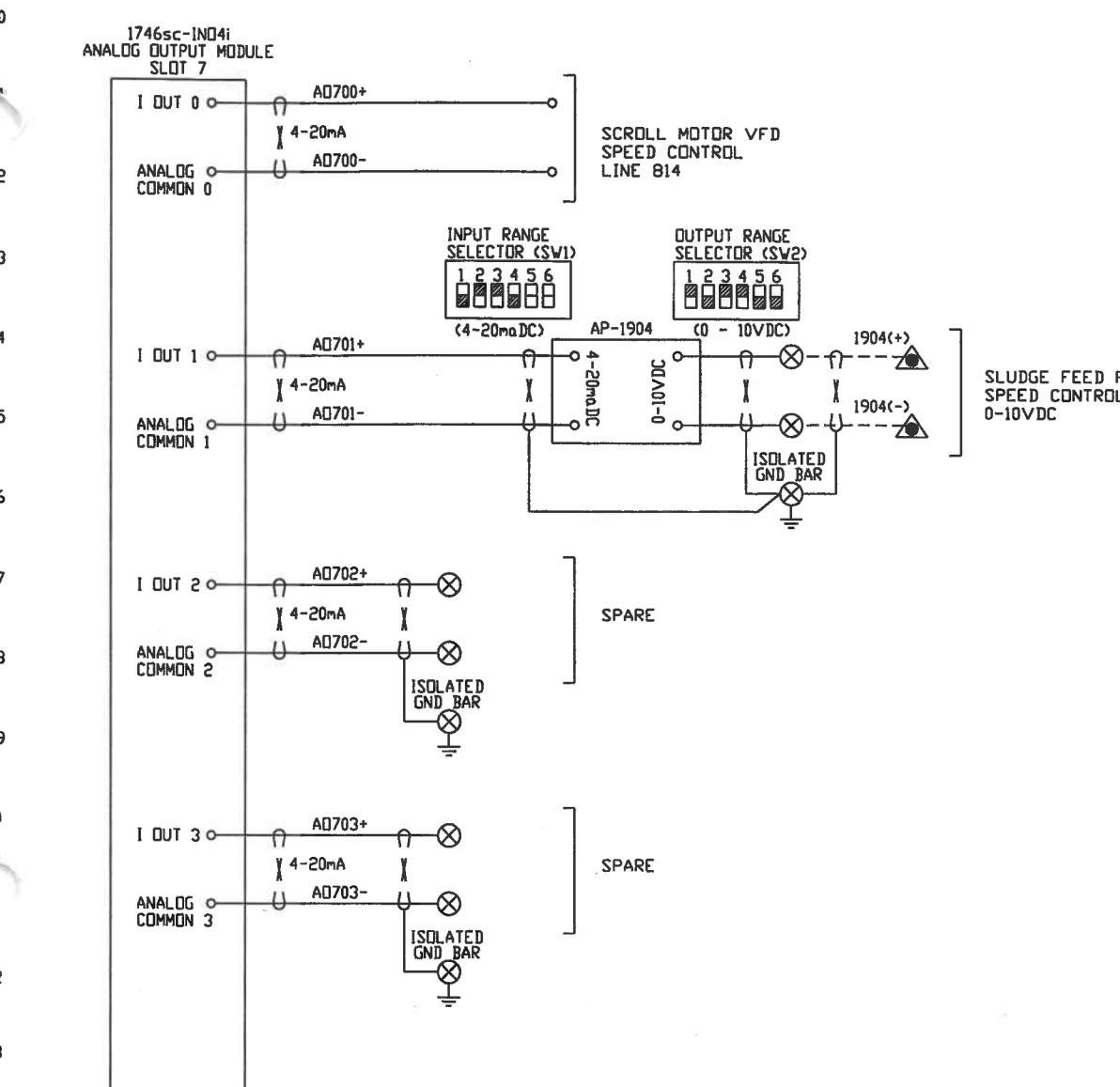
PLC SLOTS 5 & 6

UNION MINE

Drawn	Approved	Date	Sheet	Machine Type	Dwg. No.
RR	RS	30JUN04	18 OF 26	CC450	251094C 07 of 132
					18-18

County of El Dorado

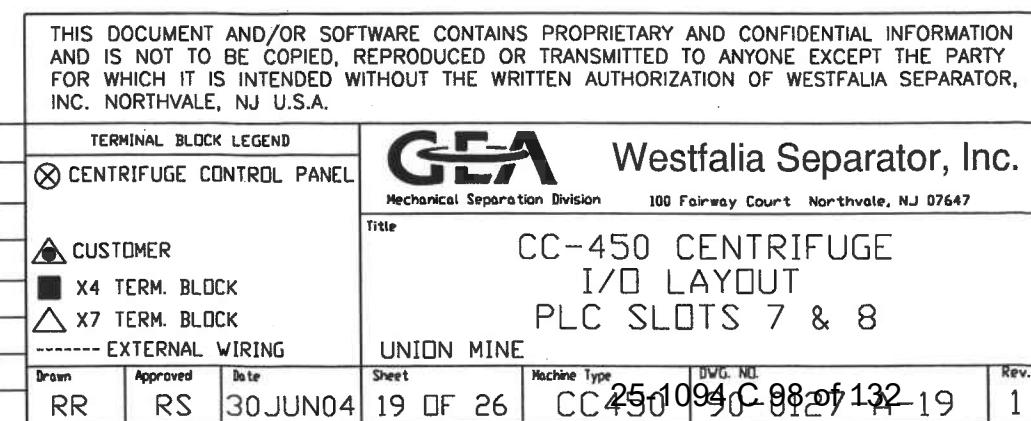
6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

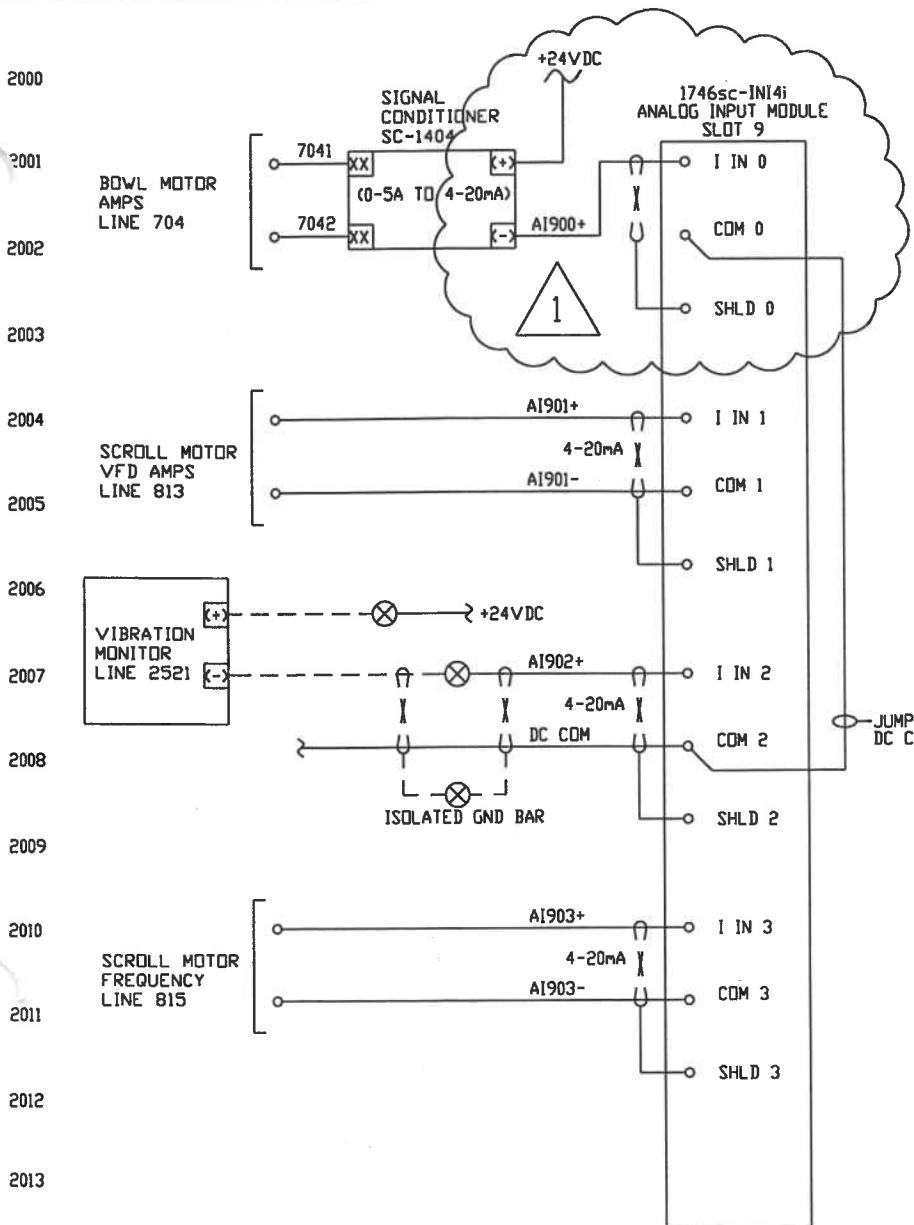


BID #2025-0107
Attachment B

Page 22 of 29

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION





2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

BOWL MOTOR
AMPS
LINE 704

SIGNAL
CONDITIONER
SC-1404

1746sc-INI4i
ANALOG INPUT MODULE
SLOT 9

+24VDC

7041

7042

AI900+

I IN 0

COM 0

SHLD 0

1

SCROLL MOTOR
VFD AMPS
LINE 813

AI901+

4-20mA

AI901-

I IN 1

COM 1

SHLD 1

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

2027

2028

2029

2030

2031

2032

2033

2034

2035

2036

2037

2038

County of El Dorado

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

SPARE

SPARE

SPARE

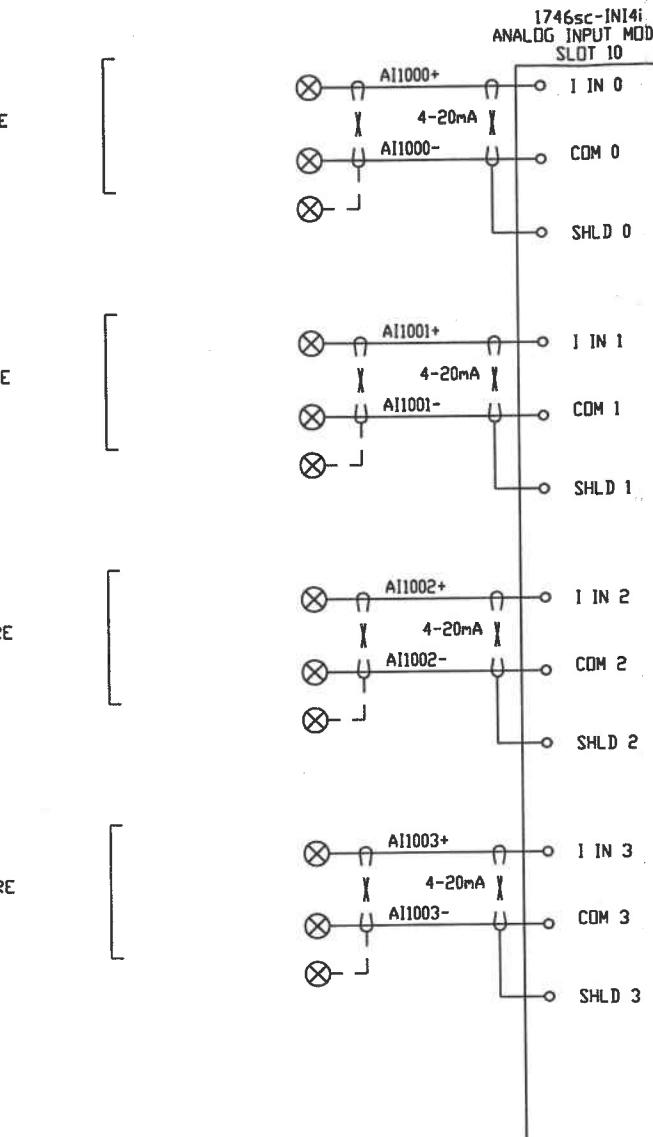
SPARE

SPARE

SPARE

SPARE

SPARE



Page 23 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

X CENTRIFUGE CONTROL PANEL

▲ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

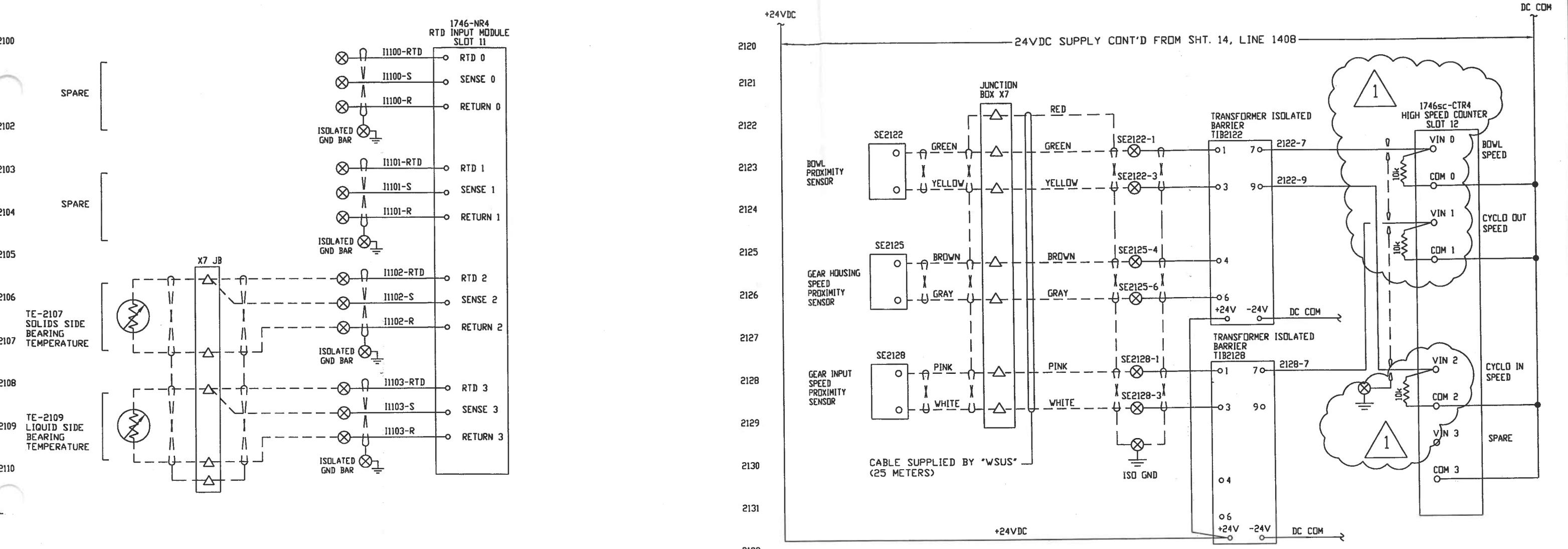
----- EXTERNAL WIRING

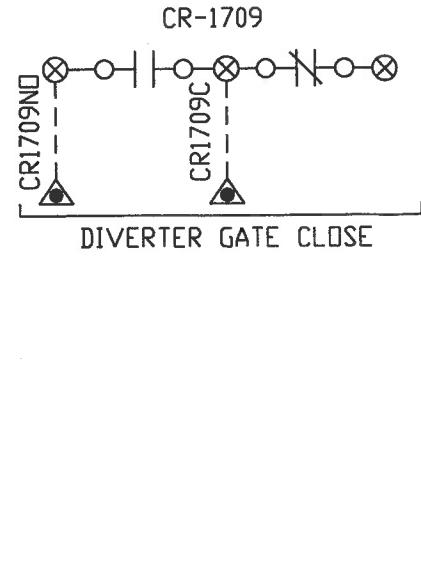
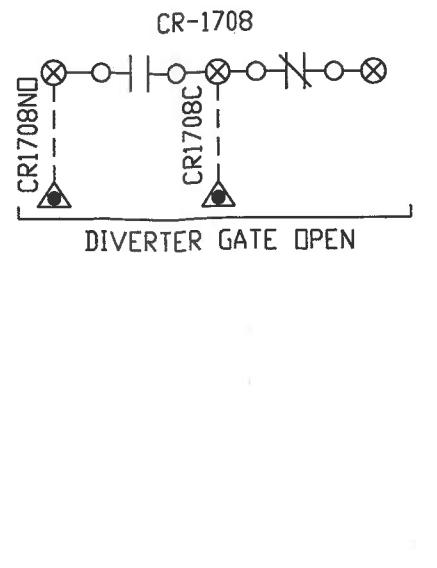
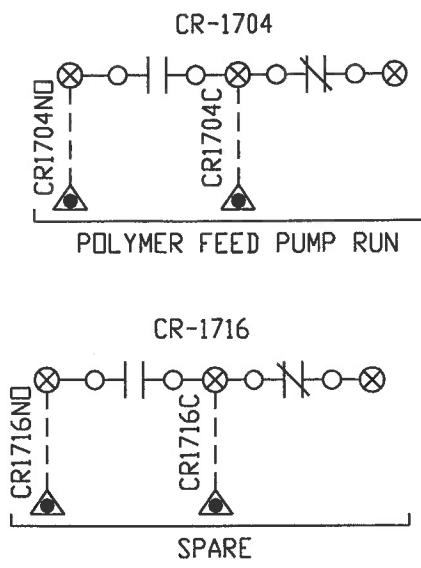
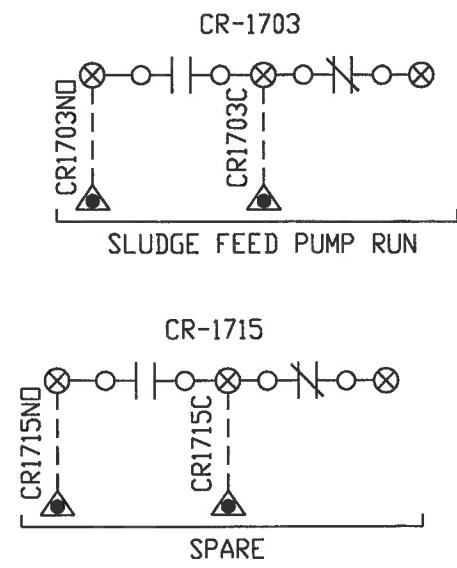
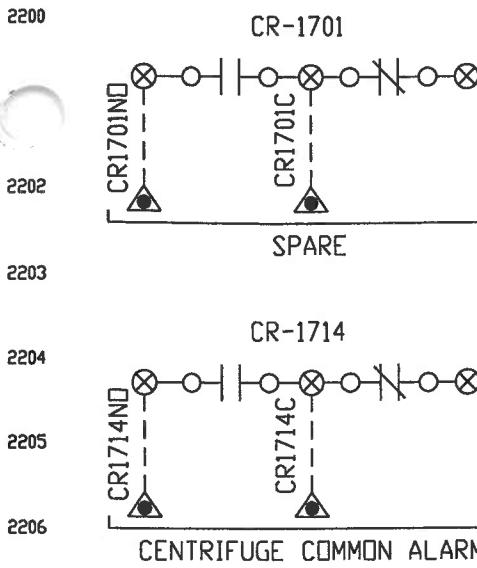
GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title CC-450 CENTRIFUGE
I/O LAYOUT
PLC SLOTS 9 & 10

UNION MINE
Draum Approved Date Sheet Machine Type DWG. NO.
RR RS 30JUN04 20 OF 26 CC450 1094C 092 of 132-20 Rev. 1

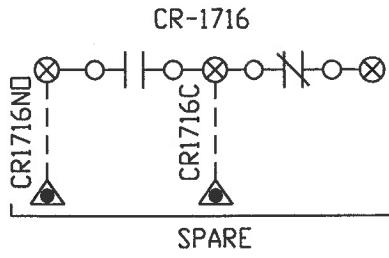
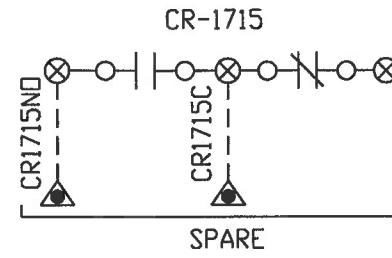
6			
5			
4			
3			
2			
1	RR	20OCT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION





2203

CR-1714



2208

2209

2210

2211

2212

2213

2214

2215

2216

2217

BID #2025-0107
Attachment B

2218

2219

Page 25 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHLAKE, NJ U.S.A.

TERMINAL BLOCK LEGEND

⊗ CENTRIFUGE CONTROL PANEL

△ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING

GEA Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

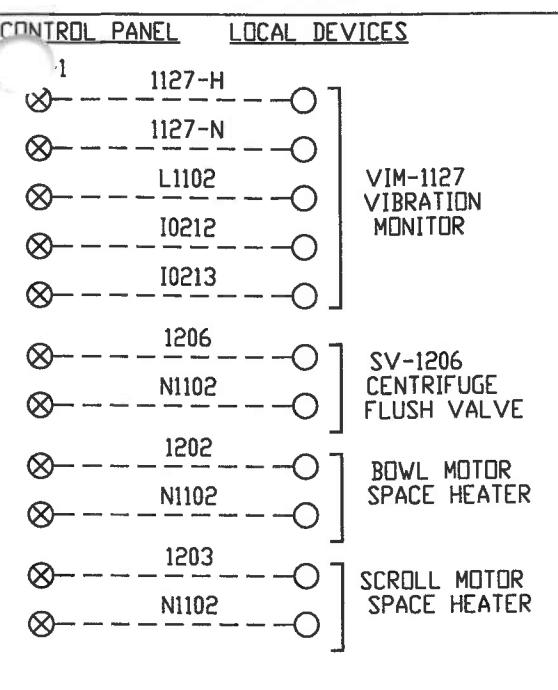
CC-450 CENTRIFUGE
RELAY CONTACTS TO
CUSTOMER CONTROLS

UNION MINE

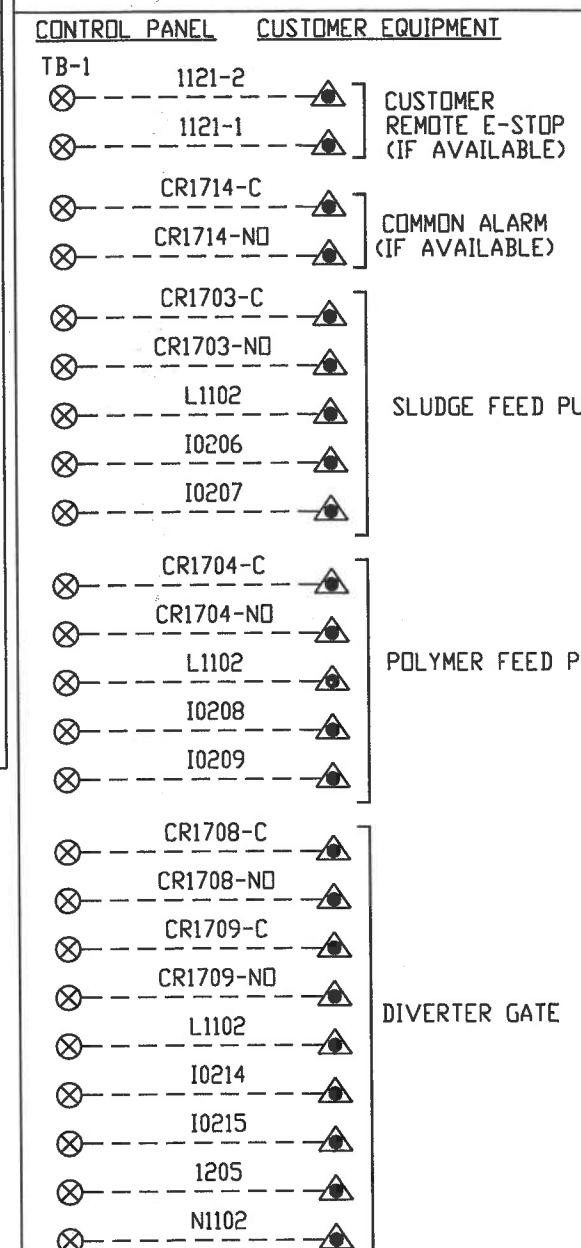
Drawn Approved Date Sheet Machine Type Dwg. No.
RR RS 30JUN04 22 of 26 CC450 10946-101 of 132-22 Rev. 1

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

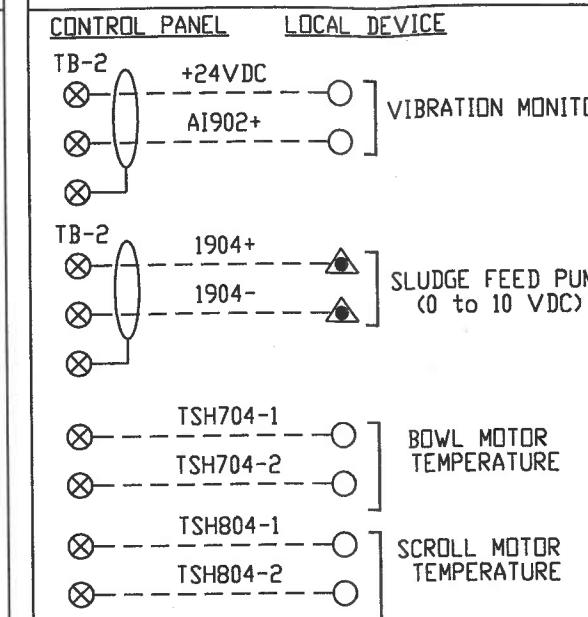
120VAC - CONTROL PANEL TO LOCAL DEVICES



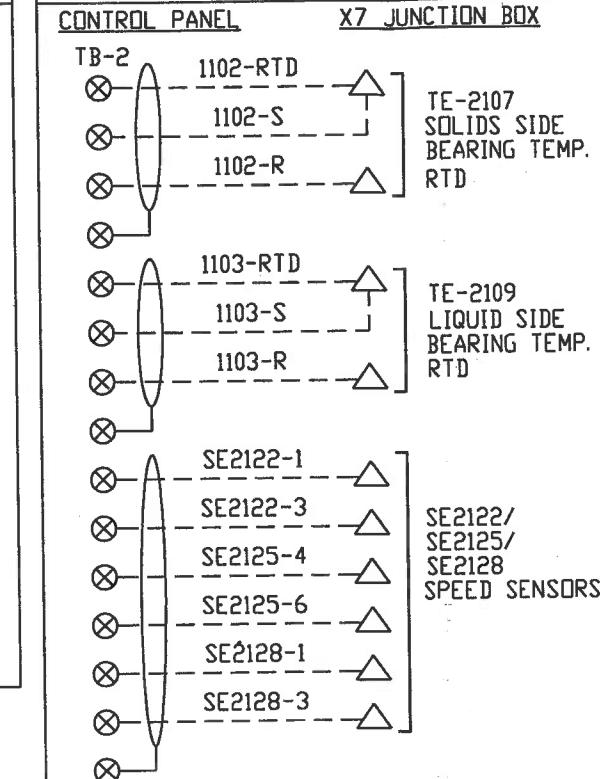
120VAC - CONTROL PANEL TO CUSTOMER EQUIPMENT



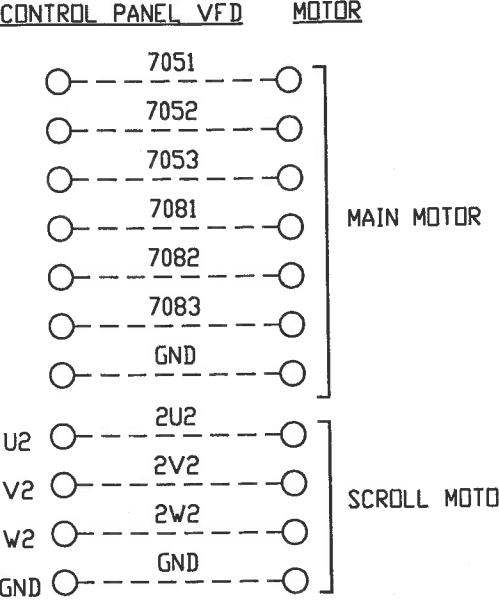
24VDC/4-20MADC - CONTROL PANEL TO LOCAL DEVICES



24VDC/RTD - CONTROL PANEL TO X7 JUNCTION BOX



480VAC - CONTROL PANEL TO MOTORS



Page 26 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

✗ CENTRIFUGE CONTROL PANEL

▲ CUSTOMER

■ X4 TERM. BLOCK

△ X7 TERM. BLOCK

----- EXTERNAL WIRING



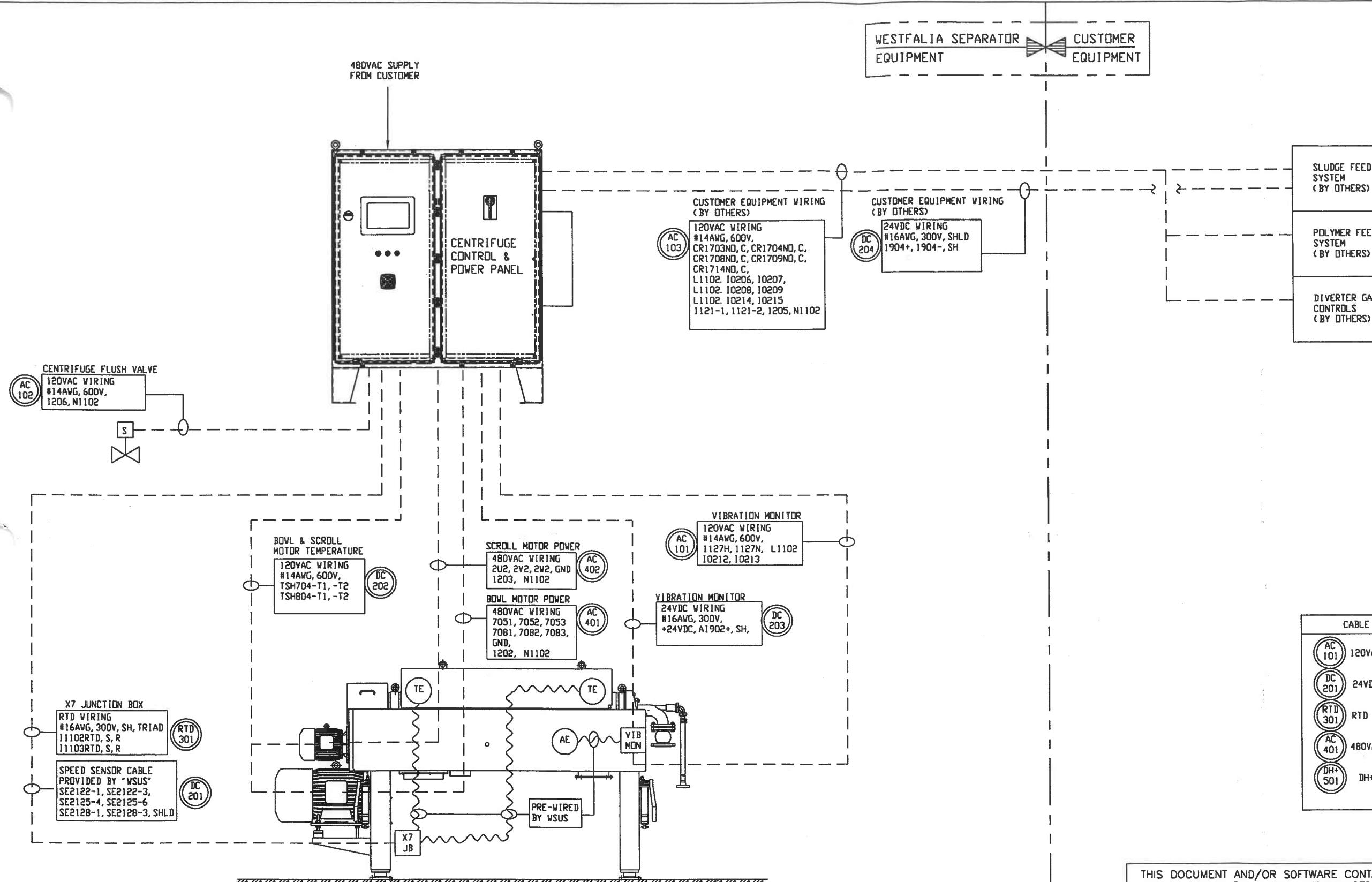
Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

CC-450 CENTRIFUGE
POINT TO POINT
INTERCONNECT WIRING

UNION MINE

Drawn Approved Date Sheet Machine Type Inv. No. Rev.
RR RS 30JUN04 23 OF 26 CC-450-10220132-23 1



BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHLAKE, NJ U.S.A.

NOTES:

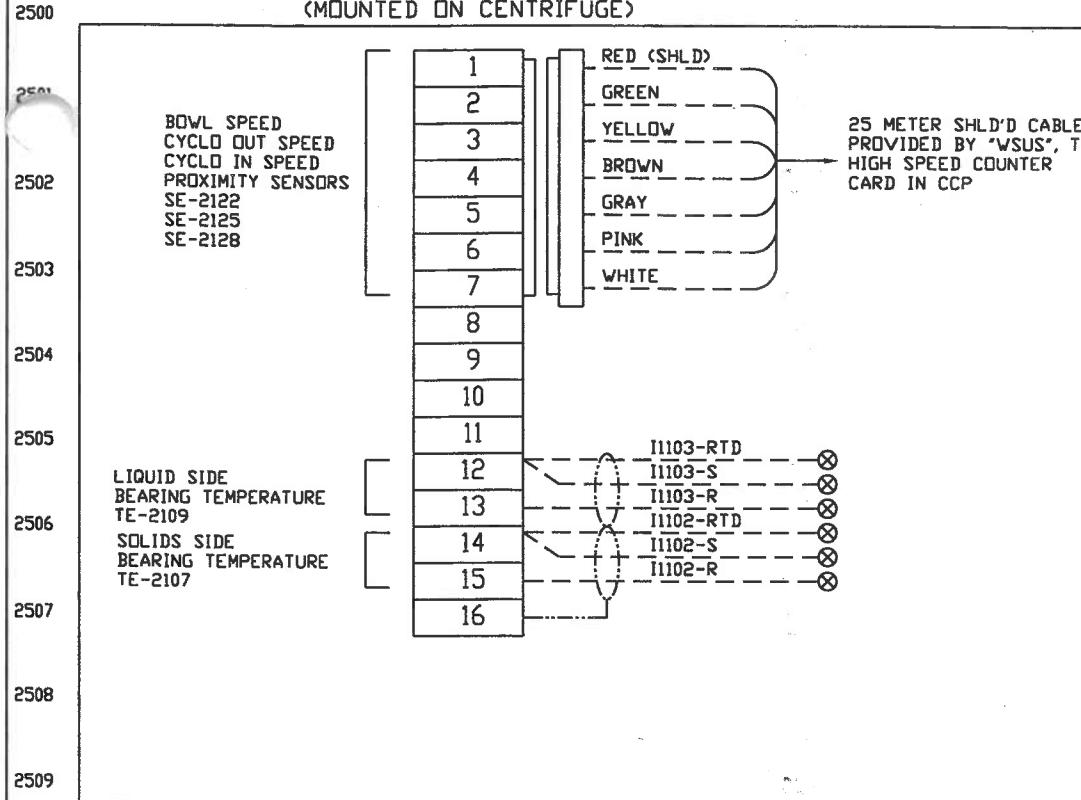
- ALL WIRING ON THIS DRAWING IS SHOWN SCHEMATICALLY. CONTRACTOR TO DETERMINE SIZE, QUANTITY AND BEST POSSIBLE ROUTING OF CABLE AND CONDUITS TO SUIT FIELD CONDITIONS.
- DASHED LINES REPRESENT FIELD WIRING TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
- CONTRACTOR TO RUN SEPARATE CONDUITS FOR 120VAC POWER, 480VAC POWER AND 24VDC/4-20mA NAL WIRING AND MUST ADHERE TO ALL LOCAL & NATIONAL ELECTRICAL CODES.
- ALL RUNS DESIGNATED AS SHIELDED WIRING TO BE TWISTED, SHIELDED PAIRS OR TRIADS WITH 100% FOIL SHIELD AND DRAIN WIRE.
- FOR COMPLETE WIRING DIAGRAMS AND CONTROL PANEL LAYOUT'S REFER TO DWG'S '90-0127-A-01 THRU 26'.
- CONTRACTOR TO PROVIDE ADEQUATE SPARES IN ALL CONDUIT/CABLE RUNS.
- PLEASE REFER TO INSTALLATION DIAGRAM FOR EXACT LOCATION OF JUNCTION BOXES, AND RECOMMENDED LOCATION OF VIM (VIBRATION MONITOR).

6			
5			
4			
3			
2			
1	RR	200CT04	REVISED AS BUILT
0	RR	30JUN04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

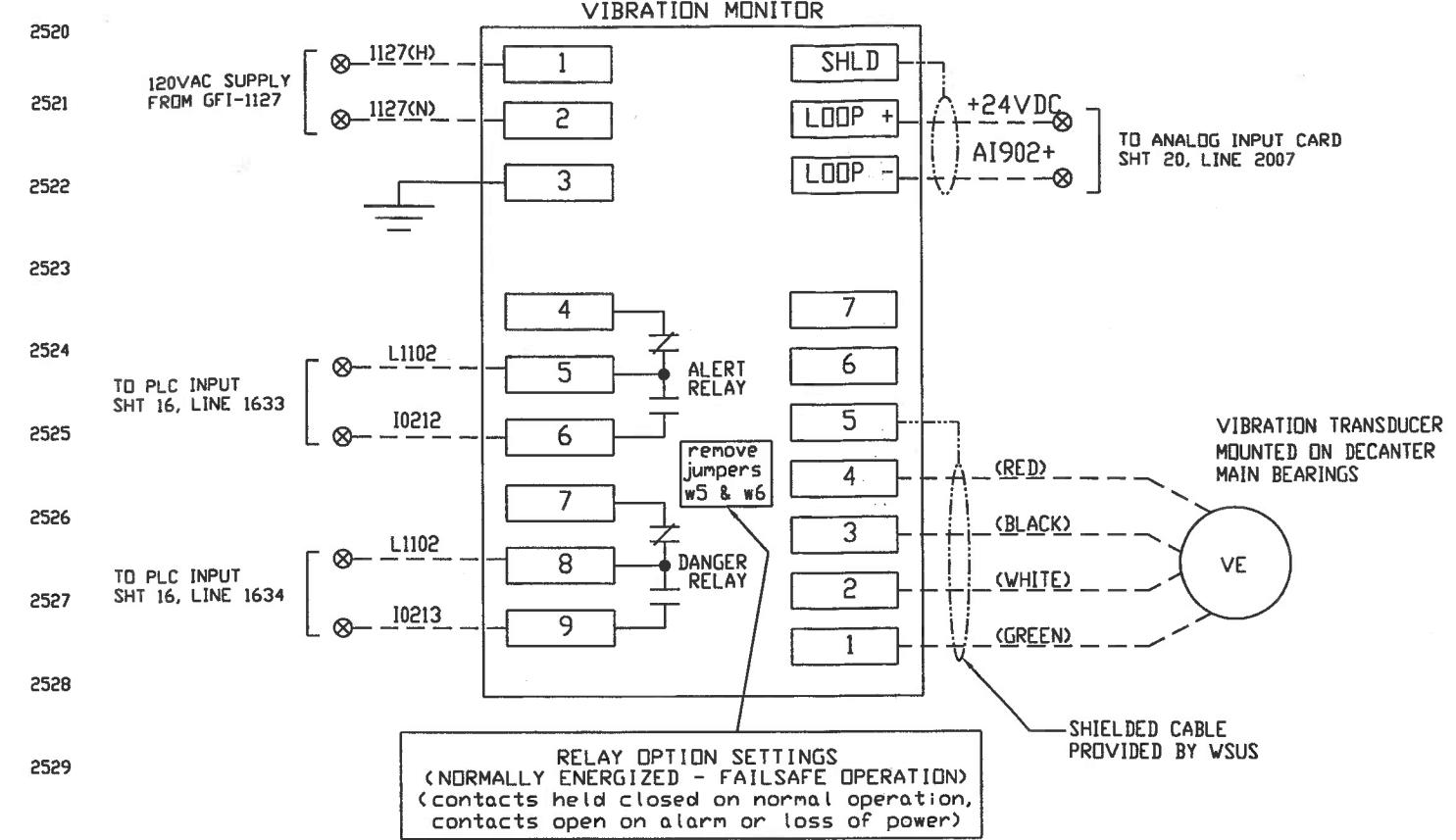
TERMINAL BLOCK LEGEND		
○	CENTRIFUGE CONTROL PANEL	
●	CENTRIFUGE POWER PANEL	
△	CUSTOMER	
■	X4 TERM. BLOCK	
△	X7 TERM. BLOCK	
—	EXTERNAL WIRING	

Drawn RR	Approved RS	Date 30JUN04	Sheet 24 of 26	Machine Type CC450	Dwg. No. CC-10946-103 of 132	Rev. A-24

X-7
JUNCTION BOX
(MOUNTED ON CENTRIFUGE)

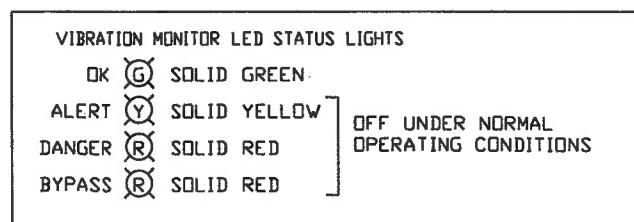


VIM-1127
BENTLY NEVADA
VIBRATION MONITOR



EFFECTIVE VIBRATION VELOCITY (RMS)	0 - PEAK (TRANSDUCER)	EVALUATION
0~4.5 mm/s	0~6.3 mm/s	GOOD
4.5~11 mm/s	6.3~15.4 mm/s	ACCEPTABLE
11~14 mm/s	15.4~19.6 mm/s	STILL ACCEPTABLE
>14 mm/s	>19.6 mm/s	NOT ACCEPTABLE

THE LIMIT VALUES TO BE ADJUSTED FOR THE VIBRATION-MONITOR UNIT ARE AS FOLLOWS:
* LIMIT VALUE 1 (PRELIMINARY ALARM):
11 mm/s (15.4 mm/s) = 55%
* LIMIT VALUE 2 (FEED "CLOSED"; DRIVE "OFF"):
14 mm/s (19.6 mm/s) = 70%
** PEAK VALUES ARE GIVEN IN PARENTHESES.



BID #2025-0107
Attachment B

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHLAKE, NJ U.S.A.

TERMINAL BLOCK LEGEND

- ⊗ CENTRIFUGE CONTROL PANEL
- CENTRIFUGE POWER PANEL
- △ CUSTOMER
- X4 TERM. BLOCK
- △ X7 TERM. BLOCK
- EXTERNAL WIRING

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647
Title: CC-450 CENTRIFUGE
X7 JUNCTION BOX &
VIBRATION MONITOR
UNION MINE

6			
5			
4			
3			
2			
1	RR	20 OCT 04	REVISED AS BUILT
0	RR	30 JUN 04	SUBMITTAL & CONSTRUCTION ISSUE
REV.	BY	DATE	REVISION

2600

2602

2603

2604

2605

2606

2607

2608

2609

2610

2611

2612

2613

2614

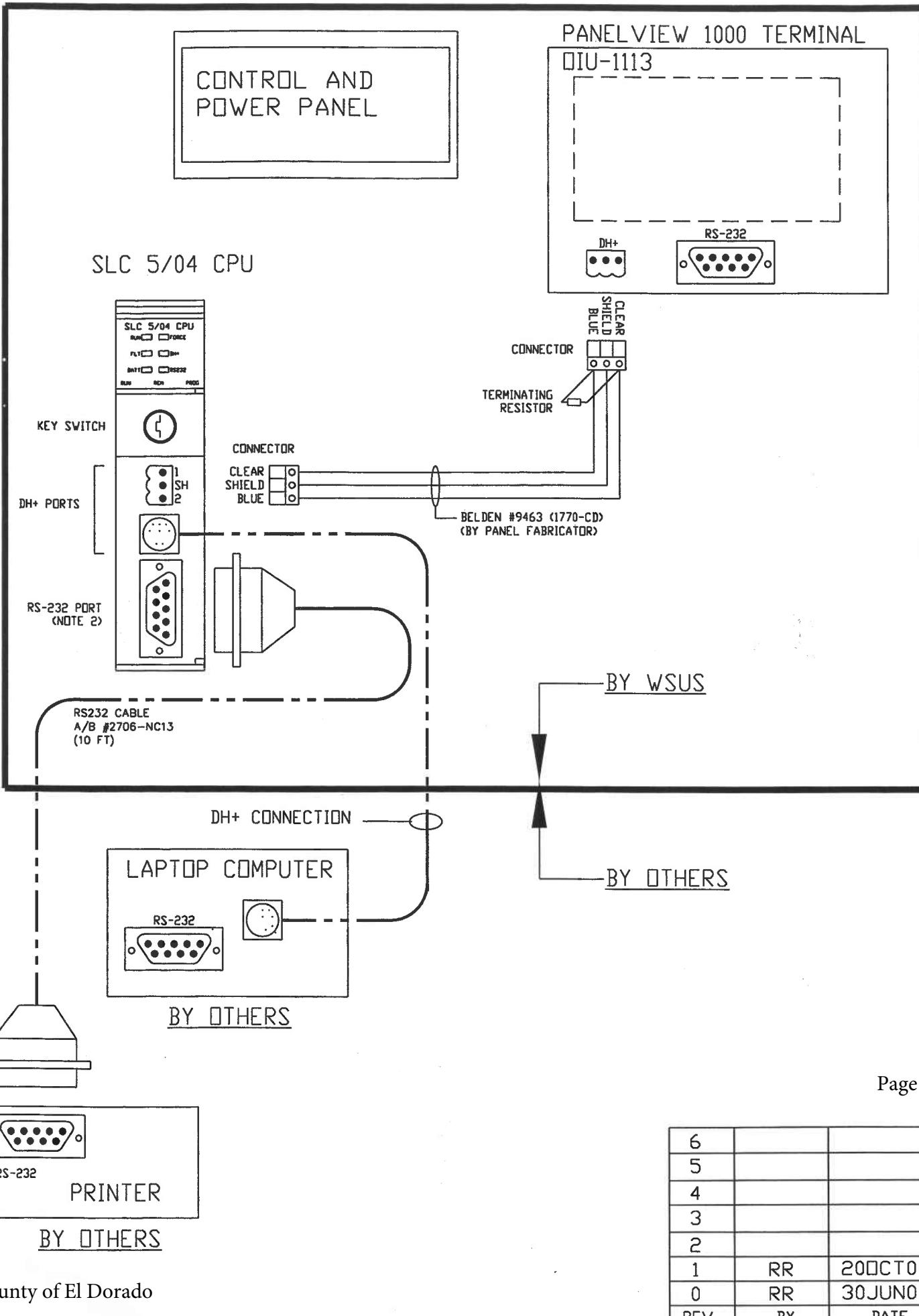
2615

2616

2617

2618

2619



Page 29 of 29

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

X CENTRIFUGE CONTROL PANEL

O CENTRIFUGE POWER PANEL

▲ CUSTOMER

■ X4 TERM. BLOCK

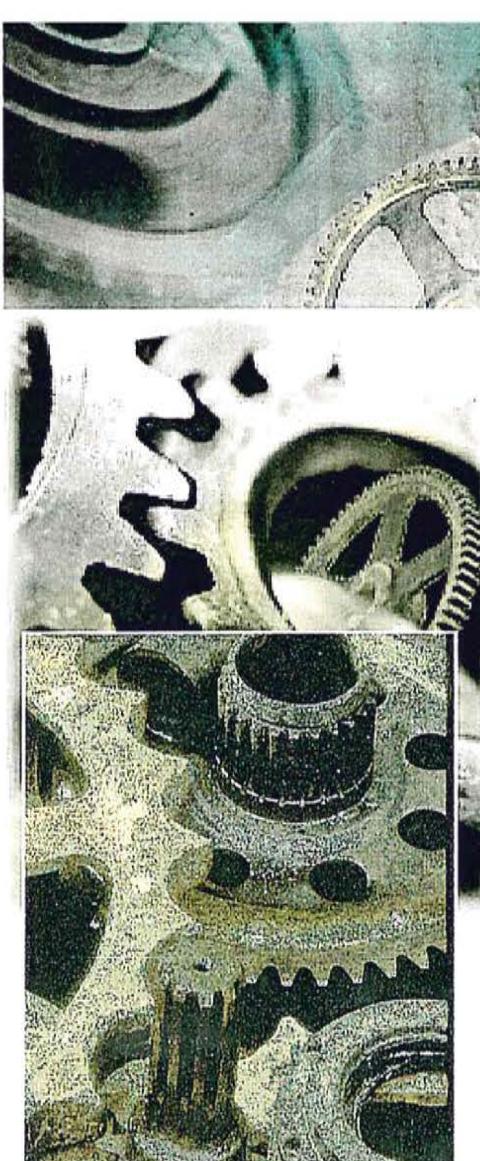
△ X7 TERM. BLOCK

----- EXTERNAL WIRING

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title
CC-450 CENTRIFUGE
COMMUNICATIONS NETWORK
DIAGRAM
UNION MINE

Drawn Approved Date Sheet Machine Type DWG. NO. Rev.
RR RS 30JUN04 26 OF 26 CC450 25-109496-105 of 132 26 1



Attachment C

Centrifuge #2 Existing Control Panel Drawings

Sludge Dewatering Centrifuge

Model: CA 450-00-02

Centrifuge Engineering Submittal

Union Mine Disposal Site
El Dorado, CA

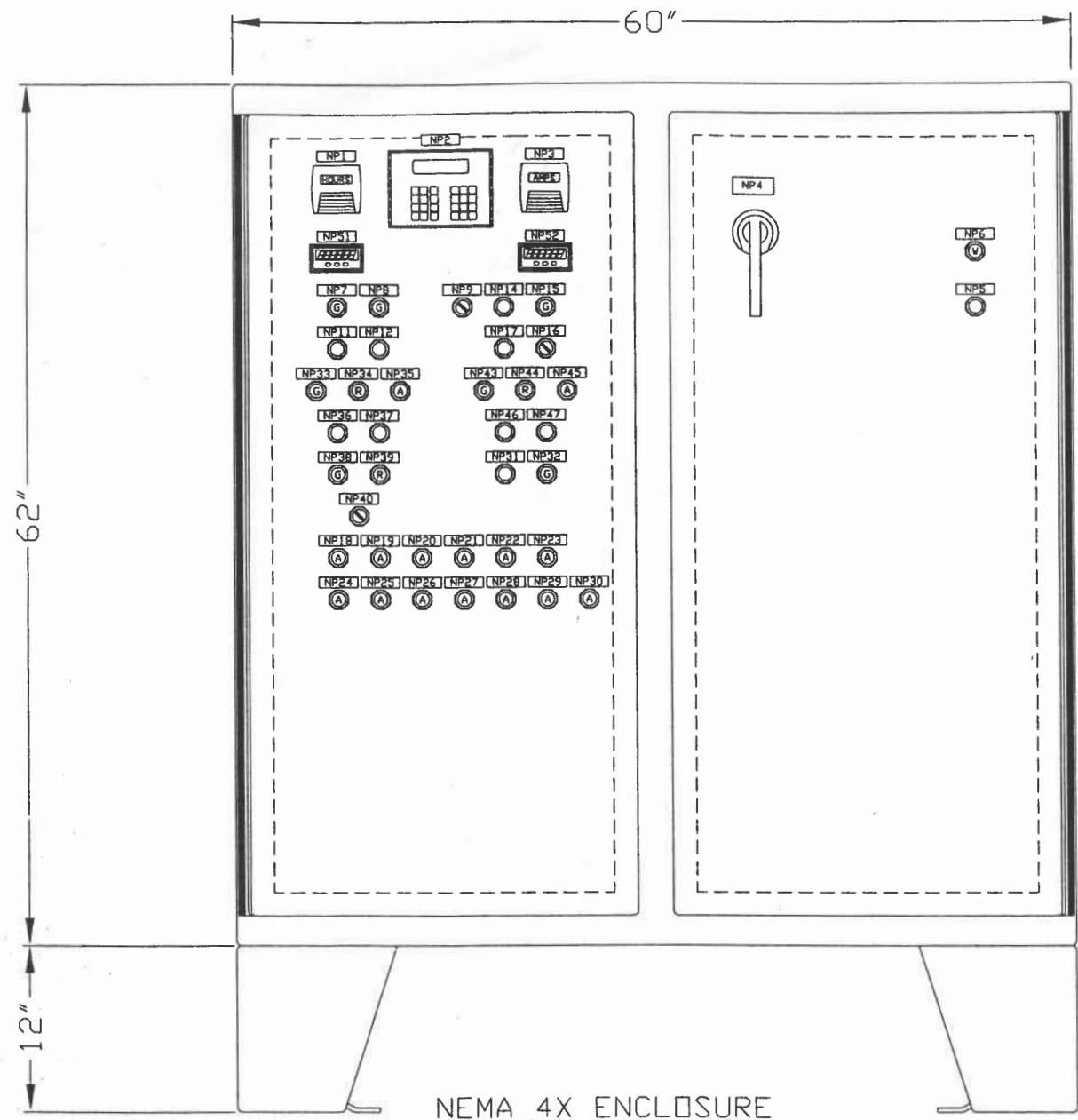
Auburn Constructors, Inc.
October, 2000

Westfalia Separator, Inc.
100 Fairway Court
Northvale, NJ 07647



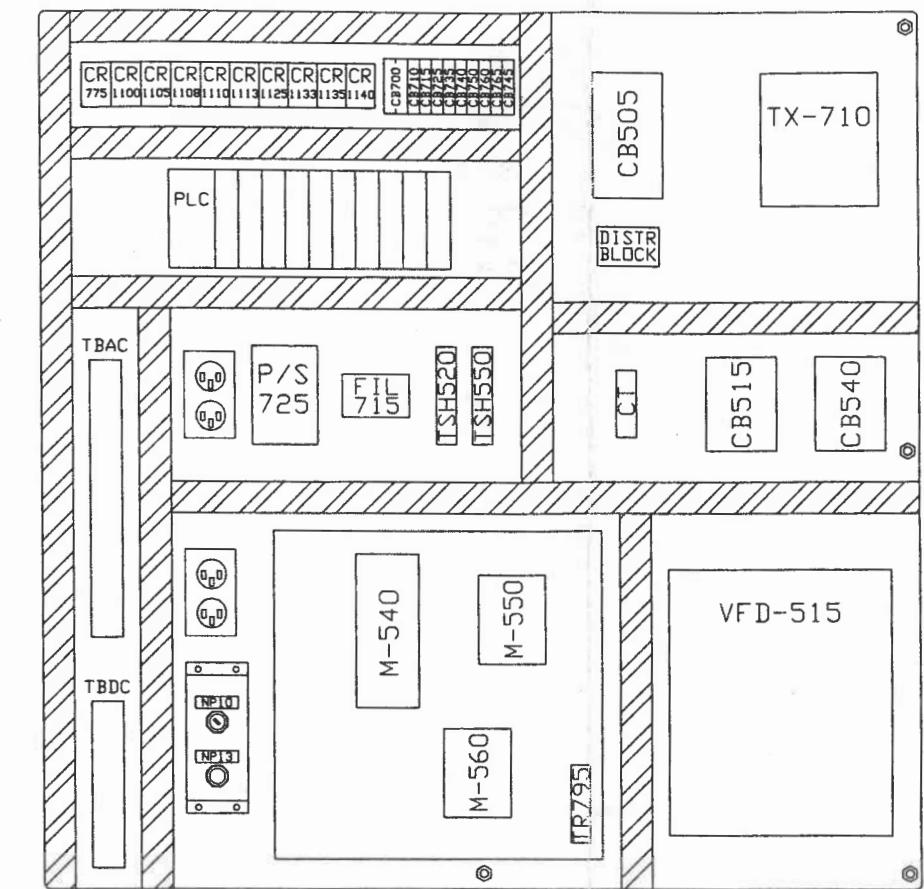
Westfalia Separator, Inc.

Mechanical Separation
Division



NEMA 4X ENCLOSURE
HOFFMANN #A-62H6012SSLP

** NAMEPLATE LEGEND **	
NP#	DESCRIPTION
1	HOUR METER
2	SCROLL DRIVE CONTROLLER
3	AMP METER
4	MAIN DISCONNECT
5	EMERGENCY STOP
6	CONTROL POWER ON
7	BOWL DRIVE/START/RUN
8	SCROLL DRIVE RUN
9	PROCESS/AUTO - MANUAL
10	MAINTENANCE KEYSWITCH
11	DECANTER START
12	DECANTER STOP
13	SCROLL DRIVE JOG
14	ALARM ACK.
15	FLUSH WATER ON
16	FLUSH WATER/HAND OFF AUTO
17	ALARM RESET
18	VIBRATION ALARM HI
19	VIBRATION ALARM HI-HI
20	TORQUE ALARM HI
21	TORQUE ALARM HI-HI
22	BEARING TEMPERATURE HI
23	BEARING TEMPERATURE HI-HI
24	BOWL DRIVE MOTOR OVER TEMPERATURE
25	BOWL DRIVE MOTOR OVERLOAD
26	BOWL SPEED HI
27	DIFFERENTIAL SPEED LOW
28	BOWL SPEED LOW
29	SCROLL DRIVE MOTOR OVER TEMPERATURE
30	SCROLL DRIVE VFD FAULT
31	LAMP PUSH TO TEST
32	READY FOR FEED
33	SLUDGE PUMP ON
34	SLUDGE PUMP OFF
35	SLUDGE PUMP FAULT
36	SLUDGE PUMP START
37	SLUDGE PUMP STOP
38	DIVERTER GATE OPEN
39	DIVERTER GATE CLOSED
40	DIVERTER GATE/HAND OFF AUTO
41	(NOT USED)
42	(NOT USED)
43	POLYMER SYSTEM ON
44	POLYMER SYSTEM OFF
45	POLYMER SYSTEM FAULT
46	POLYMER SYSTEM START
47	POLYMER SYSTEM STOP
51	BEARING TEMPERATURE - SOLIDS SIDE
52	BEARING TEMPERATURE - LIQUIDS SIDE



SUBPLATE
HOFFMANN #A-60P60

BID #2025-0107

Attachment C

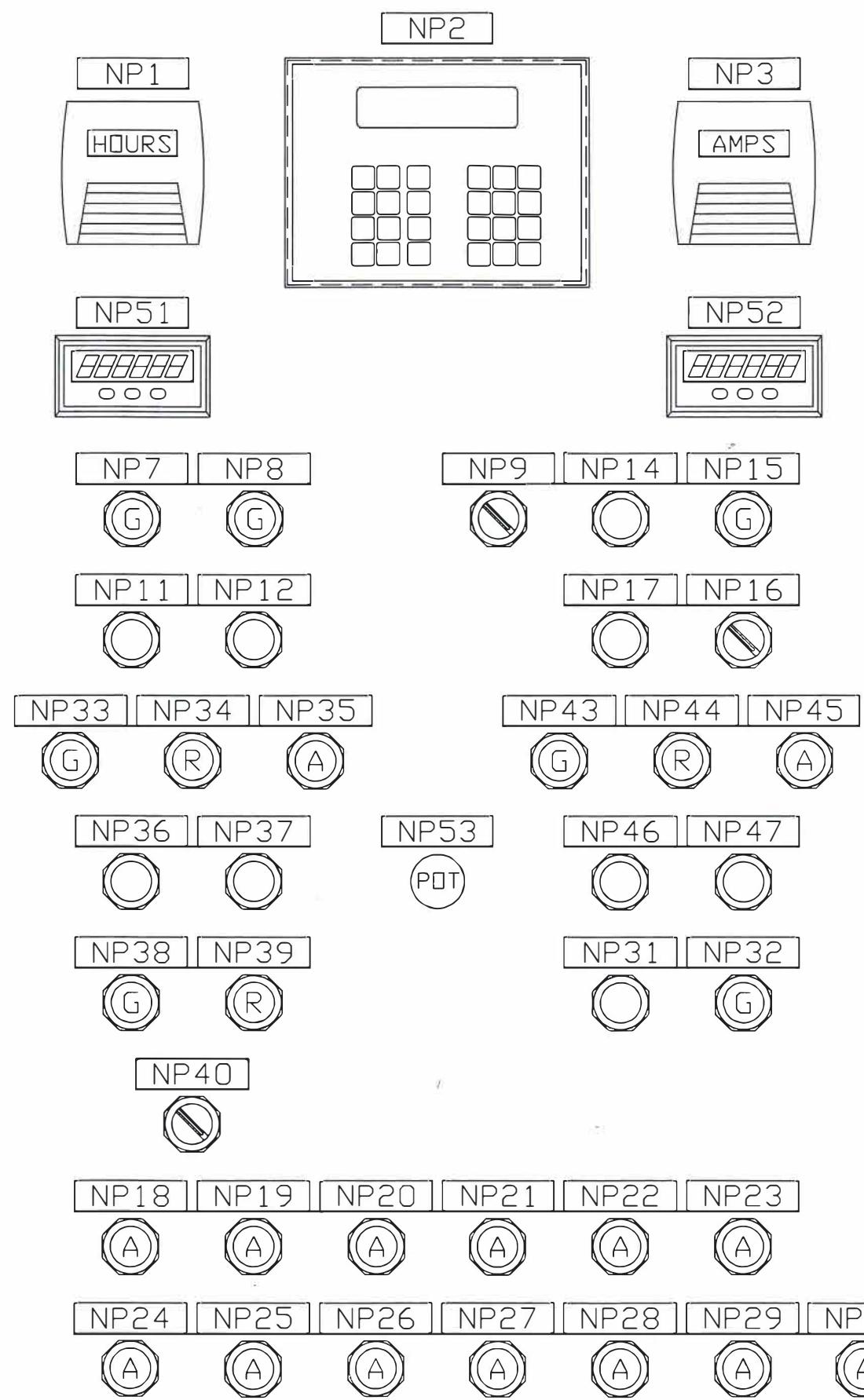
THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CA-450 CONTROL PANEL
GENERAL LAYOUT

AUBURN CONSTRUCTION - UNION MINE
261094 C 107 of 132
Sheet 1 OF 13
Machine CA-450
Rev. 0
90-0070-A-01 0



Page 3 of 15

County of El Dorado

2		G. T.	28MAR01	REVISED AS BUILT
1		G. T.	04JAN01	ADDED SLUDGE PUMP SPEED POT
REV.	BY	DATE	REVISION	

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND		GEA Westfalia Separator, Inc.	
	CUSTOMER PANEL	Mechanical Separation Division	100 Fairway Court Northvale, NJ 07647
	CENTRIFUGE CONTROL PANEL	Title	
	X7 TERM. BLOCK	CA-450 CONTROL PANEL	
--- EXTERNAL WIRING		FRONT FACE LAYOUT	
Drawn	Approved	Date	AUBURN CONSTRUCTION - UNION MINE
S. M. D.	-	10/9/00	Sheet 2 of 13
			DWG. NO. CA-450-1094-0108 of 132-02 Rev. 2

BILL OF MATERIAL

BILL OF MATERIAL

ITEM QTY.	MANUFACTURER AND CATALOG NUMBER	DESCRIPTION	ITEM QTY.	MANUFACTURER AND CATALOG NUMBER	DESCRIPTION
1 1	HOFFMAN WSUS DESIGNATION A-62H6012SSLP A-60P60	MFG. DESIGNATION A-62H6012SSLP A-60P60 ENCLOSURE, NEMA 4X, FREE STANDING, TWO DOOR, WITH SUBPANEL - ONE PIECE SUBPANEL	21 1	SQUARE D 9001 SKR-9P1RH13 (KA1)	PUSHBUTTON, MAINTAINED, PUSH-PULL, ILLUMINATED, RED MUSHROOM HEAD, TRANSFORMER TYPE, 120VAC, 1 N. O. CONTACT, 1 N. C. CONTACT
2 1	SQUARE D CB505 KAL 36150-1212 9421 LP-1	CIRCUIT BREAKER, 600VAC, 3 POLE, 150 AMP OPERATOR MECHANISM AND HANDLE, NEMA 12	22 1	SQUARE D SS-870 9001 KS-11K3H1	SELECTOR SWITCH, 2 POSITION, 1 N. O. AND 1 N. C. CONTACTS, KEYED OPERATOR
3 1	SQUARE D CB540 FAL 34100-1212	CIRCUIT BREAKER, 600VAC, 3 POLE, 100 AMP	23 3	SQUARE D 9001 SKR-1UH6(KA1)	PUSHBUTTON, MOMENTARY, FLUSH HEAD, 1 N. C. CONTACT
4 1	SQUARE D CB515 FAL 34030-1212	CIRCUIT BREAKER, 480VAC, 3 POLE, 30 AMP	24 7	SQUARE D 9001 SKR-1UH5(KA2)	PUSHBUTTON, MOMENTARY, FLUSH HEAD, 1 N. O. CONTACT
5 (NOT USED)			25 3	SQUARE D 9001 SKP-1R9	PILOT LIGHT, TRANSFORMER TYPE, 120VAC, RED LENS
6 (NOT USED)			26 15	SQUARE D 9001-SUP-1A9	PILOT LIGHT, TRANSFORMER TYPE, 120VAC, AMBER LENS
7 1	SQUARE D DB510 9080 LBA362104	DISTRIBUTION BLOCK, (1) #14-2/0 MAIN LUG, (4) #14-4 BRANCH LUGS	27 7	SQUARE D 9001 SKP-1G9	PILOT LIGHT, TRANSFORMER TYPE, 120VAC, GREEN LENS
8 1	SQUARE D 8630 SD01H-V06	WYE - DELTA STARTER W/ THERMAL OVERLOADS	28 1	SQUARE D 9001 SKP-1W9	PILOT LIGHT, TRANSFORMER TYPE, 120VAC, WHITE LENS
9 2	PED LION TI750/755 IMR02162	BEARING TEMPERATURE DISPLAY, RTD INPUT	29 1	SQUARE D SS865 9001-SKS-11B	2 POSITION SELECTOR SWITCH - 1 N. O. / 1 N. C.
10 1	AEGIS FIL715 AGSHWCH120ND05XS	POWER FILTER/SURGE PROTECTOR 120VAC 5A.	30 2	SQUARE D SS980/990 9001-SKS-46B(KA1)	3 POSITION SELECTOR SWITCH - 1 N. O. / 1 N. C.
11 1	ANDERSON DU-350	GROUND LUG	31 1	CROMPTON CTA-535 016-022A-LSRL 25RT-100	AC AMMETER, RMS COMPENSATED, 0-100 AMP 100: 5 CURRENT TRANSFORMER
12 2	SQUARE D PK9GTA	GROUND BAR	32 1	CROMPTON 014-156A-PNZH	ELAPSED TIME METER, 120VAC INPUT
* 13 1	ALLEN-BRADLEY 1746-A10	RACK, PANEL MOUNT, 10 SLOT	33 2	LEVITON AUX/GFI765 6599 RED DOT DIH31LM	GFI DUPLEX RECEPTACLE, 15 AMP RATING, 120VAC SINGLE GANG BOX
1 1	ALLEN-BRADLEY 1746-P2	POWER SUPPLY, 120VAC INPUT, 2.88 AMPS AT 24VDC	2 2	LEVIOTON HUBBELL S-26	RECEPTACLE COVER PLATE, STAINLESS STEEL
1 1	ALLEN-BRADLEY 1747-L542	SLC 5/04 PROCESSOR, 32K MEMORY, DH+ AND RS232/DH485 COMMUNICATION	34 2	LITHONIA S120120LPF	24" SINGLE STRIP FLUORESCENT BULB
3 3	ALLEN-BRADLEY 1746-IA16	AC INPUT MODULE, 16 POINT	2 2	SYLVANIA F20T12C/W	24" SINGLE BULB
3 3	ALLEN-BRADLEY 1746-OW16	AC OUTPUT MODULE, 16 POINT	2 2	HOFFMAN A-LFSWD	DOOR SWITCH
2 2	ALLEN-BRADLEY 1746-N2	MODULAR CARD SLOT FILLER	35 9	SQUARE D CR775 8501 KU13M1P14V20	RELAY, DPDT, 120VAC COIL, 10 AMP CONTACTS
1 1	ALLEN-BRADLEY 1746-IB16	DC INPUT MODULE (24VDC), 16 POINT	9 9	SQUARE D 8501 NR-82	BASE
14 1	ACCOPIAN A24MT350	24VDC POWER SUPPLY, 3.5A	36 A/R	SQUARE D 9080 GR-6	TERMINAL BLOCK, 600 VOLT, WIRE SIZE #22-#14 AWG
15 1	SQUARE D CB710 MG24436	CIRCUIT BREAKER, 480VAC, 1 POLE, 25 AMP	37 A/R	PANDUIT TYPE G	WIRE DUCT, RIGID GRAY VINYL TYPE WITH COVER
16 2	SQUARE D CB725/735 MG17414	CIRCUIT BREAKER, 480VAC, 1 POLE, 5 AMP	38 (NOT USED)		
17 1	SQUARE D CB715 MG24427	CIRCUIT BREAKER, 120VAC, 1 POLE, 3 AMP	39 1	ACME TX710 TA-2-81220	TRANSFORMER 480 - 120, 3 KVA
18 4	SQUARE D CB740/750 MG24426 CB760/765	CIRCUIT BREAKER, 120VAC, 1 POLE, 2 AMP	* 40 1	WSUS SJM2002	SCROLL CONTROLLER
19 1	SQUARE D CB745 MG24432	CIRCUIT BREAKER, 120VAC, 1 POLE, 10 AMP	* 41 1	TOSHIBA IMV3-COMA	RS232 COMMUNICATION BOARD FOR VFD
20 1	SQUARE D CB700 MG24449	CIRCUIT BREAKER, 120VAC, 2 POLE, 10 AMP	* 42 1	TOSHIBA VFD515 VT130G3U4110	VARIABLE FREQ. DRIVE 10 H. P., 460 VAC
			* 43 2	SIEMENS TSH520/550 3UN2100-DAF7	MOTOR THERMISTOR PROTECTION RELAYS
			* 44 1	BENTLEY NEVADA 1900/27	VIBRATION MONITOR (FIELD MOUNTED)
			45 2	SQUARE D 9001 SK2106	POTENTIOMETER, 25K OHMS, 2 WATT (1 SUPPLIED LOOSE)

(* SUPPLIED BY WSUS)

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND

- CUSTOMER PANEL
- CENTRIFUGE CONTROL PANEL
- X7 TERM. BLOCK

EXTERNAL WIRING



Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CA 450 CONTROL PANEL
BILL OF MATERIAL

AUBURN CONSTRUCTION - UNION MINE

County of El Dorado

2	G. T.	28MAR01	REVISED AS BUILT
1	G. T.	04JAN01	ADDED SLUDGE PUMP SPEED POT
REV.	BY	DATE	REVISION

Drawn S. M. D.	Approved -	Date 10/9/00	Sheet 3 OF 13	Machine Type CA251094	Dwg. No. 0109 of 032	Rev. 03

BID #2025-0107

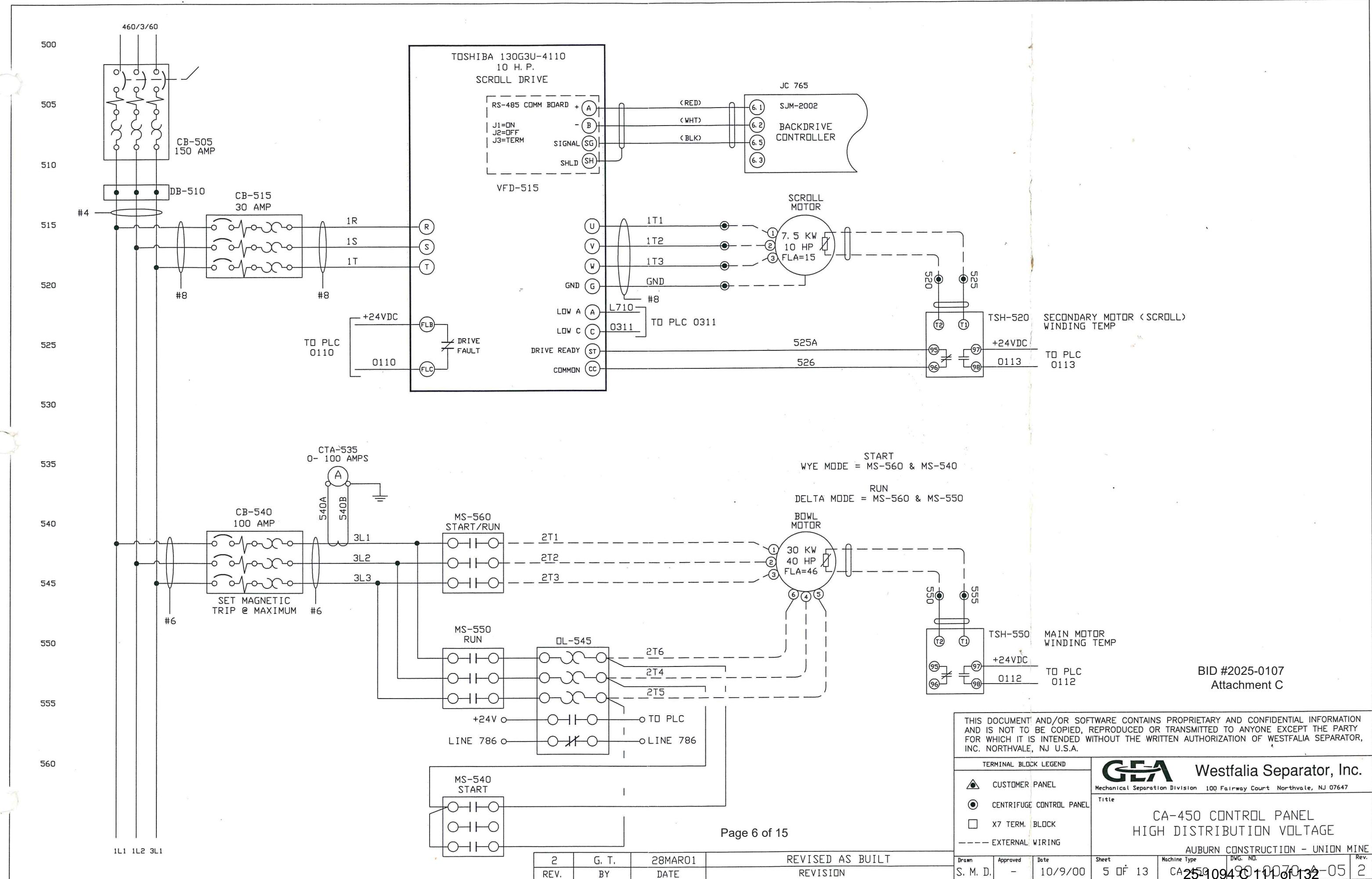
Attachment C

BLANK PAGE

BID #2025-0107
Attachment C

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHLAKE, NJ U.S.A.

TERMINAL BLOCK LEGEND				Westfalia Separator, Inc.						
<input type="checkbox"/>	CUSTOMER PANEL			GEA						
<input checked="" type="checkbox"/>	CENTRIFUGE CONTROL PANEL			Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647						
<input type="checkbox"/>	X7 TERM. BLOCK			Title						
----- EXTERNAL WIRING -----				CA-450 CONTROL PANEL						
				BLANK PAGE						
				AUBURN CONSTRUCTION - UNION MINE						
				25-1094 C 110 of 132						
REV.	BY	DATE	REVISION	Drawn	Approved	Date	Sheet	Machine No.	Rev.	
				S. M. D.	-	10/9/00	4 OF 13	CA-450	90-0070-A-04	0



BLANK PAGE

BID #2025-0107

Attachment C

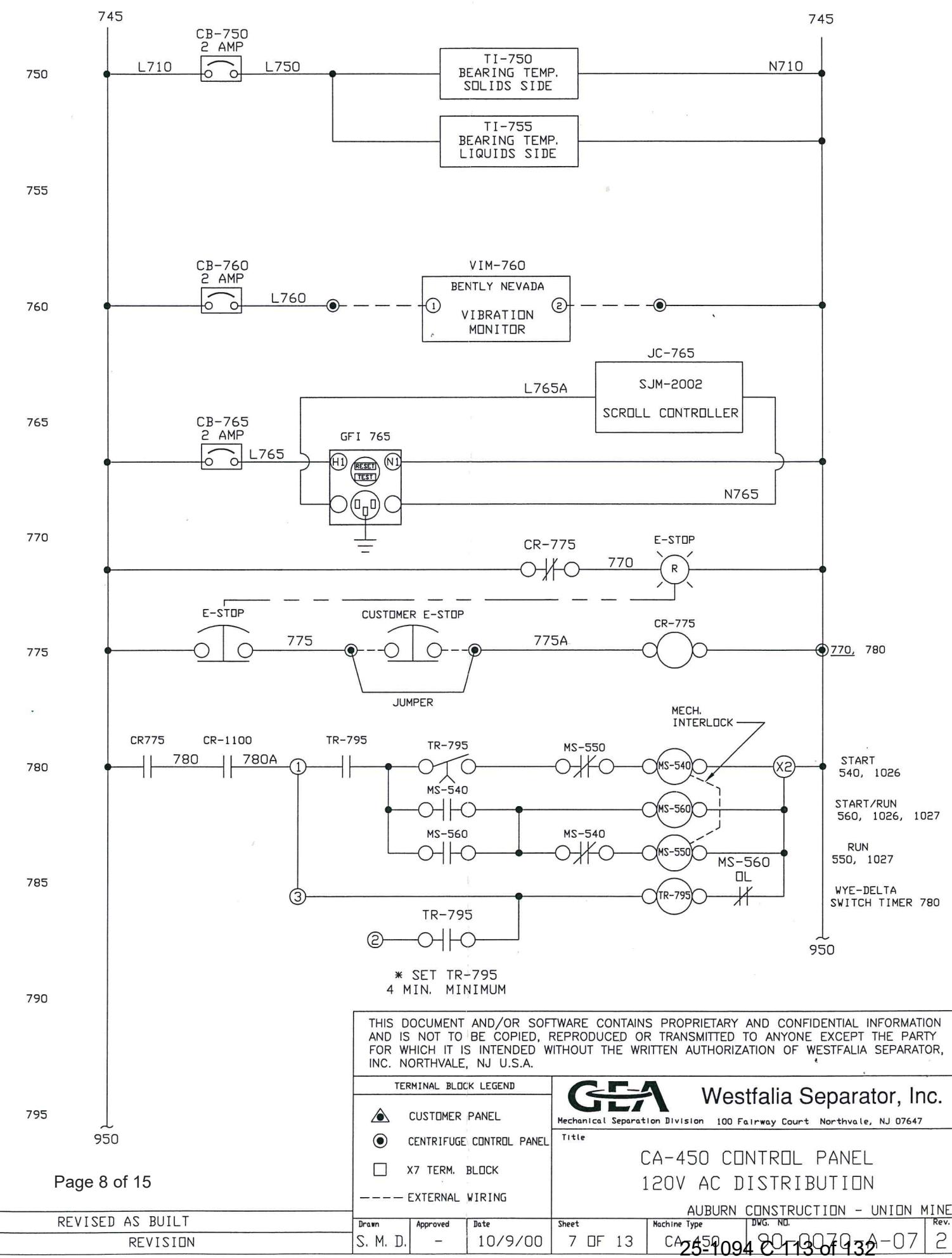
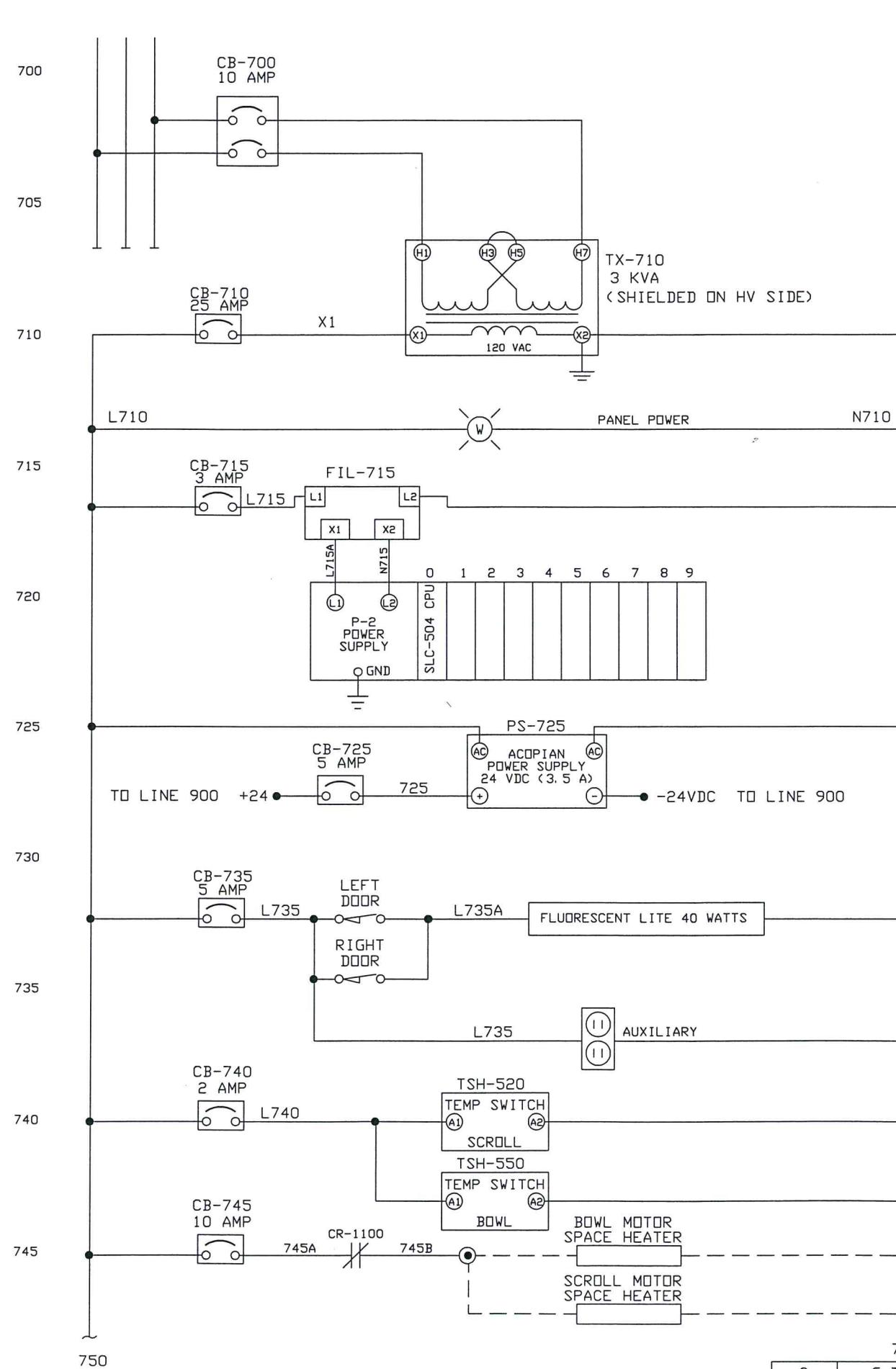
THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND			Westfalia Separator, Inc.		
<input type="checkbox"/>	CUSTOMER PANEL		Westfalia Separator, Inc.	Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647	
<input checked="" type="checkbox"/>	CENTRIFUGE CONTROL PANEL	Title			
<input type="checkbox"/>	X7 TERM. BLOCK	CA-450 CONTROL PANEL			
----- EXTERNAL WIRING -----			BLANK PAGE		
2541094 C 112 of 132			MUNION MINE		
Drawn S. M. D.	Approved -	Date 10/9/00	Sheet 6 DF 13	Machine Type CA-450	Dwg. No. 90-0070-A-06
Rev.					Rev.

County of El Dorado

Page 7 of 15

-	-	-	-
REV.	BY	DATE	REVISION



THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHVALE, NJ U.S.A.

GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CA-450 CONTROL PANEL
120V AC DISTRIBUTION

AUBURN CONSTRUCTION - UNION MINE

25-1094 C 113 of 132

25-1094 C 113 of 132

25-1094 C 113 of 132

800

805

810

815

820

825

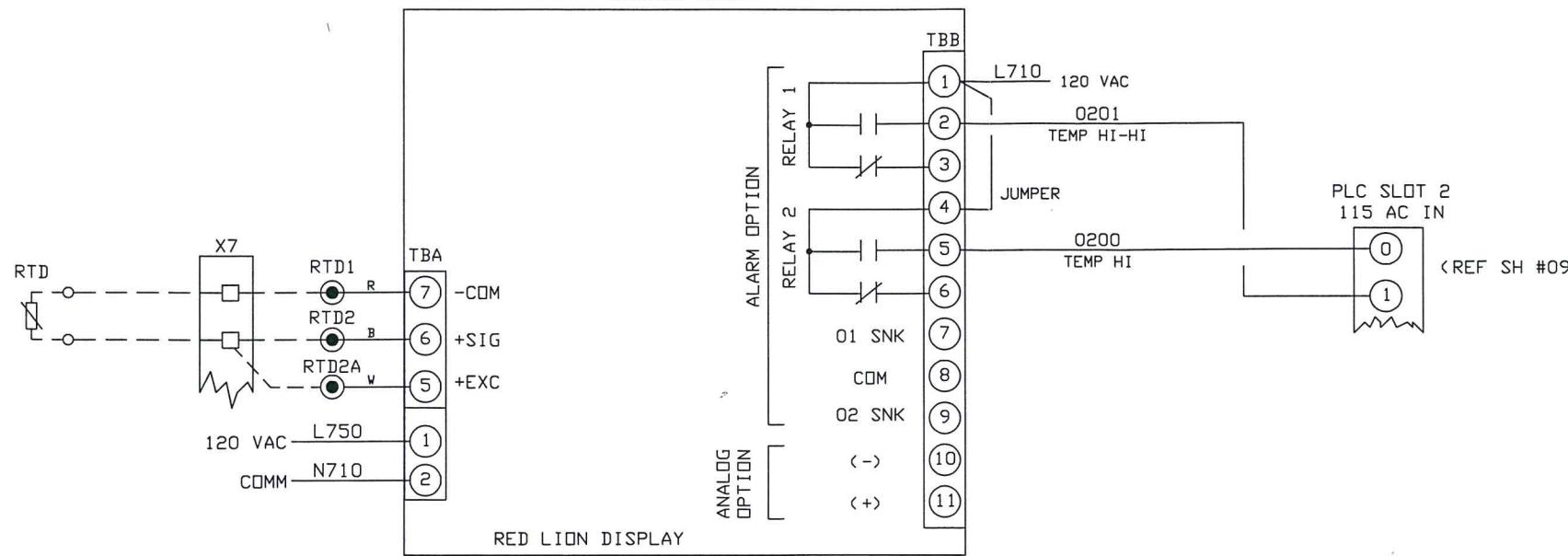
830

835

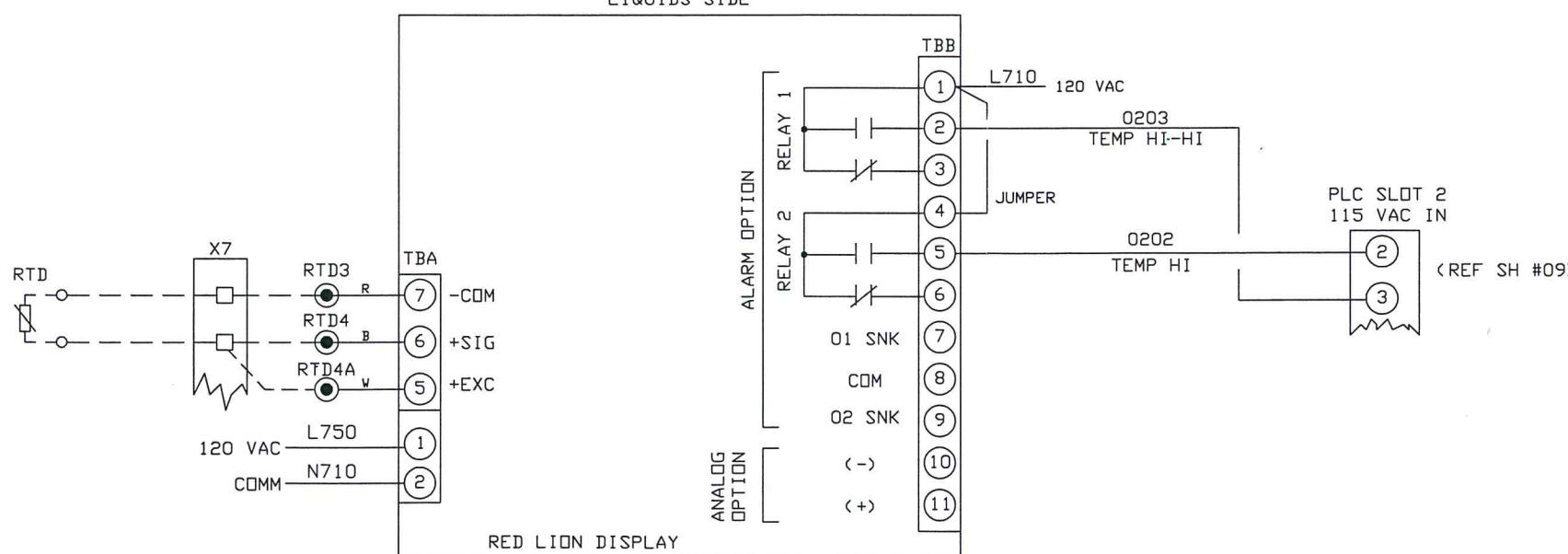
840

845

TI-750
BEARING TEMPERATURE
SOLIDS SIDE



TI-755
BEARING TEMPERATURE
LIQUIDS SIDE

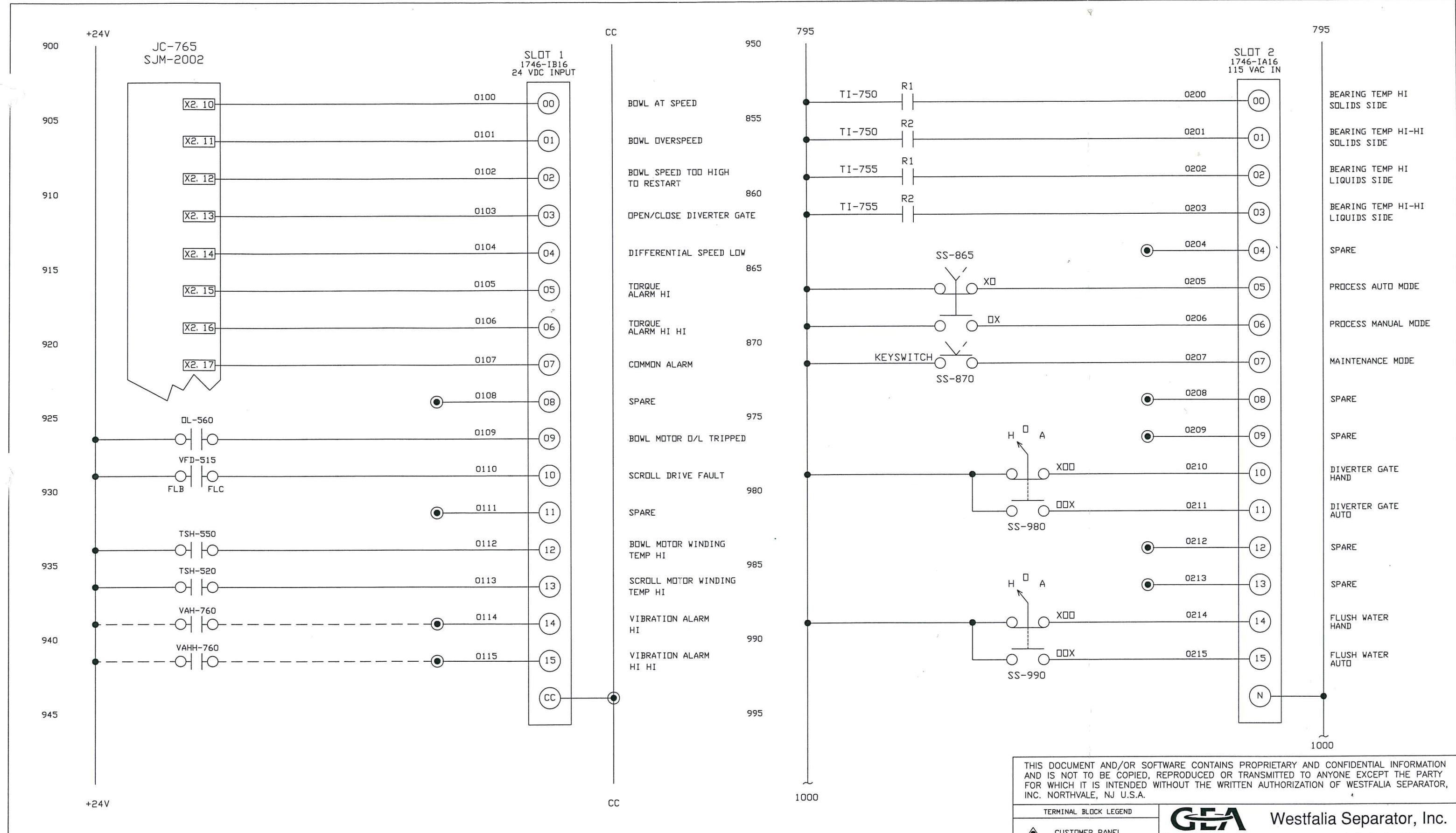


BID #2025-0107
Attachment C

THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION
AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY
FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR,
INC. NORTHVALE, NJ U.S.A.

TERMINAL BLOCK LEGEND		Westfalia Separator, Inc.	
▲	CUSTOMER PANEL	GEA	Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647
●	CENTRIFUGE CONTROL PANEL		Title
□	X7 TERM. BLOCK		
--- EXTERNAL WIRING ---			CA-450 CONTROL PANEL TEMPERATURE INDICATORS
Drawn	Approved	Date	AUBURN CONSTRUCTION - UNION MINE
S. M. D.	-	10/9/00	Sheet 8 of 13
			Machine Type CA-450 109490114 of 132-08 Rev. 2

2	G. T.	28MAR01	REVISED AS BUILT
1	G. T.	04JAN01	ADDED SLUDGE PUMP SPEED POT
REV.	BY	DATE	REVISION



2	G. T.	28MAR01	REVISED AS BUILT
1	G. T.	04JAN01	ADDED SLUDGE PUMP SPEED POT

REV. BY DATE

REVISION

Drawn	Approved	Date	Sheet	Machine Type	Dwg. No.	Rev.
S. M. D.	-	10/9/00	9 OF 13	CA-450	90-0070-A-09	2

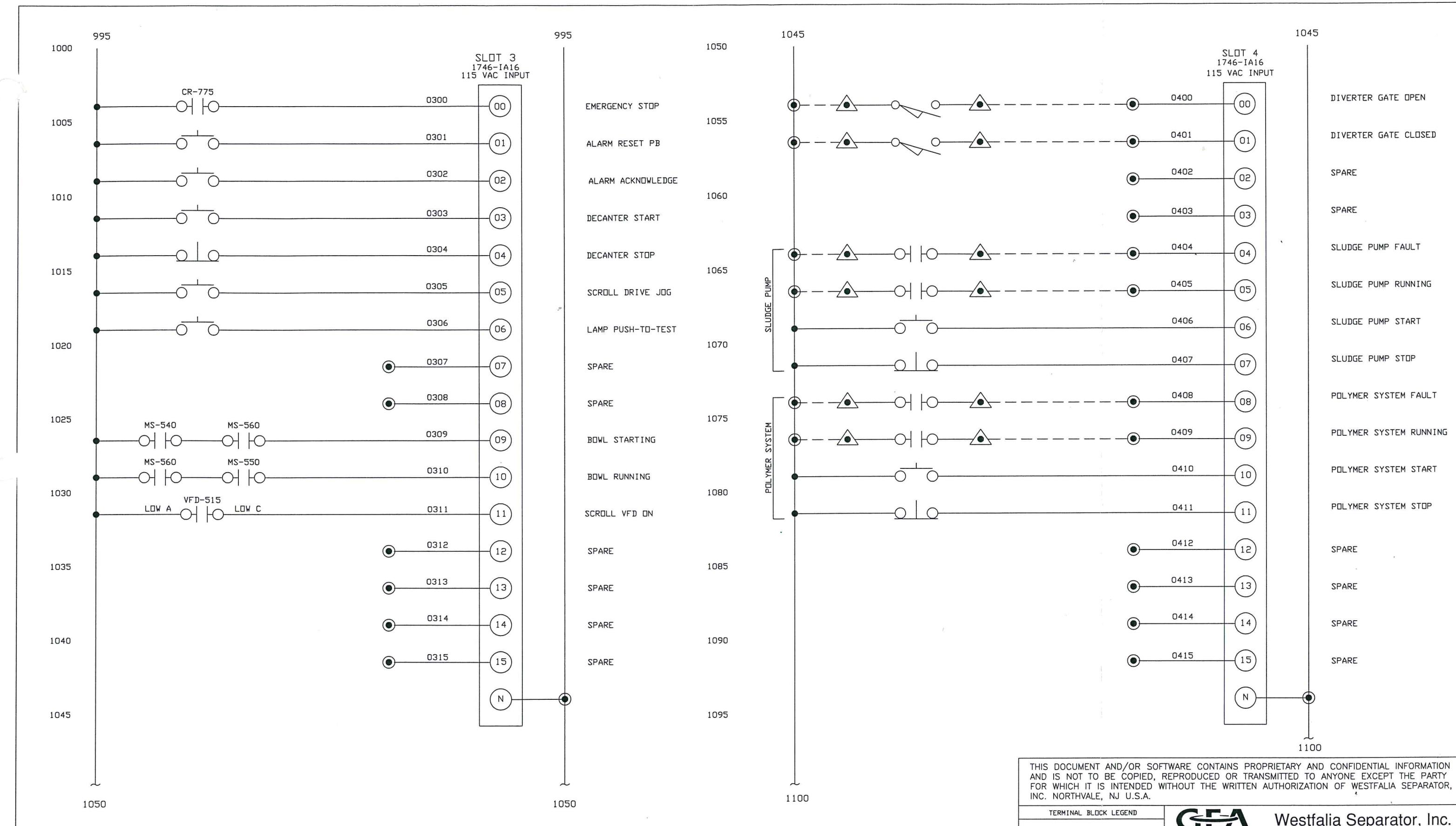
GEA Westfalia Separator, Inc.
Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

Title

CA-450 CONTROL PANEL
I/O LAYOUT

AUBURN CONSTRUCTION - UNION MINE

25-1094 C 115 of 132



THIS DOCUMENT AND/OR SOFTWARE CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION AND IS NOT TO BE COPIED, REPRODUCED OR TRANSMITTED TO ANYONE EXCEPT THE PARTY FOR WHICH IT IS INTENDED WITHOUT THE WRITTEN AUTHORIZATION OF WESTFALIA SEPARATOR, INC. NORTHLAKE, NJ U.S.A.

TERMINAL BLOCK LEGEND

▲ CUSTOMER PANEL

● CENTRIFUGE CONTROL PANEL

□ X7 TERM. BLOCK

----- EXTERNAL WIRING -----



Westfalia Separator, Inc.

Mechanical Separation Division 100 Fairway Court Northvale, NJ 07647

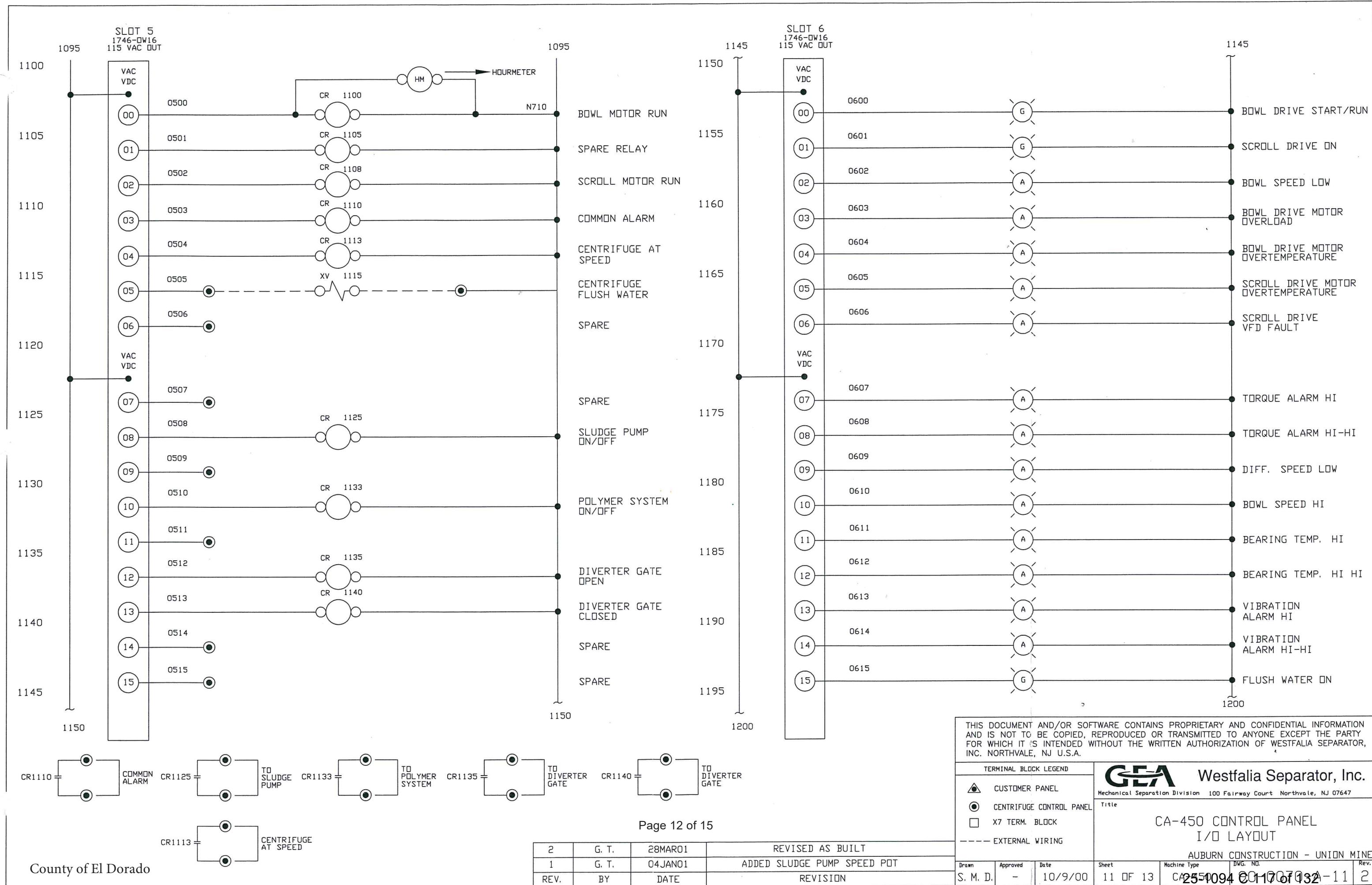
Title

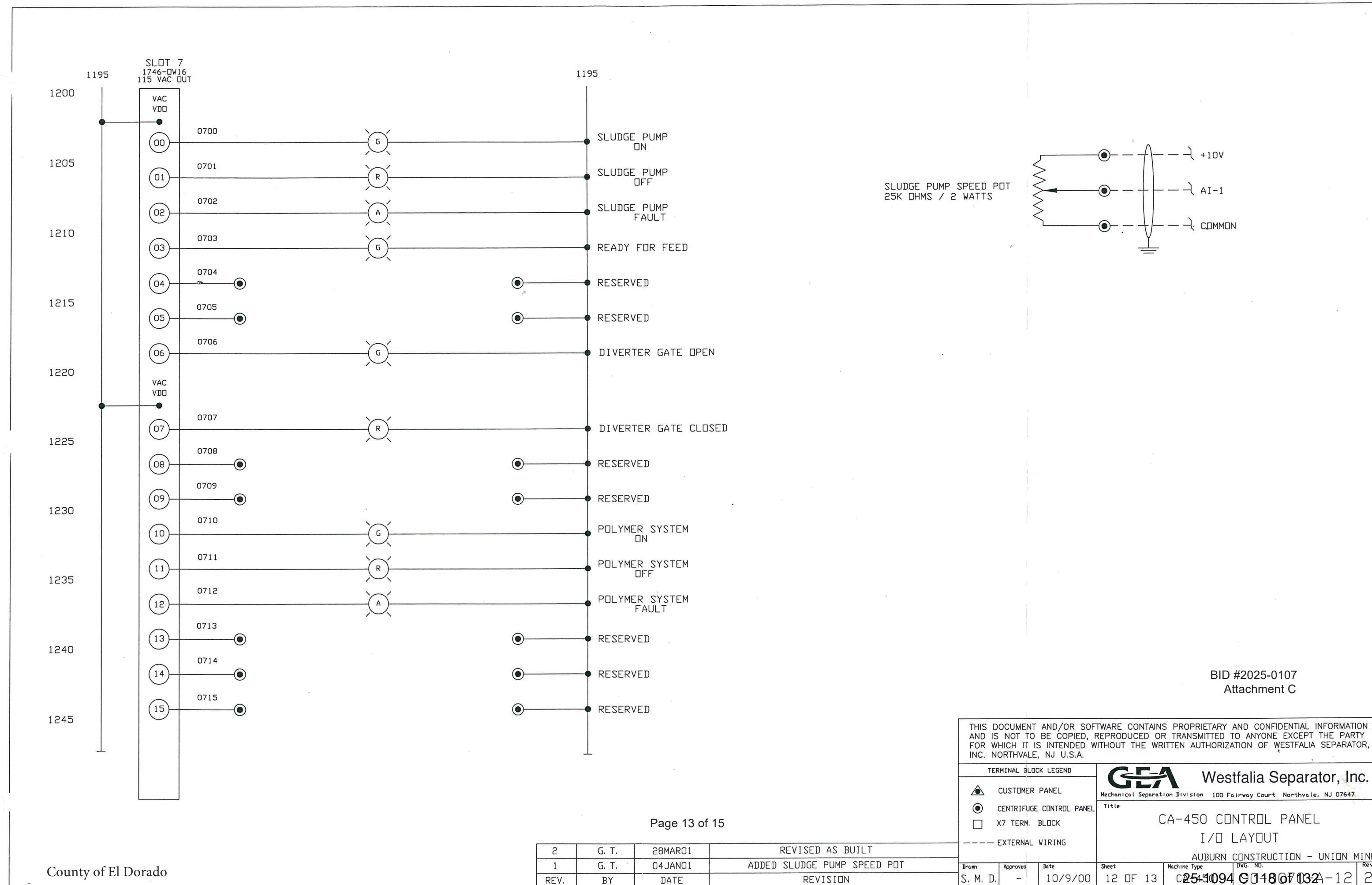
CA-450 CONTROL PANEL
I/O LAYOUT

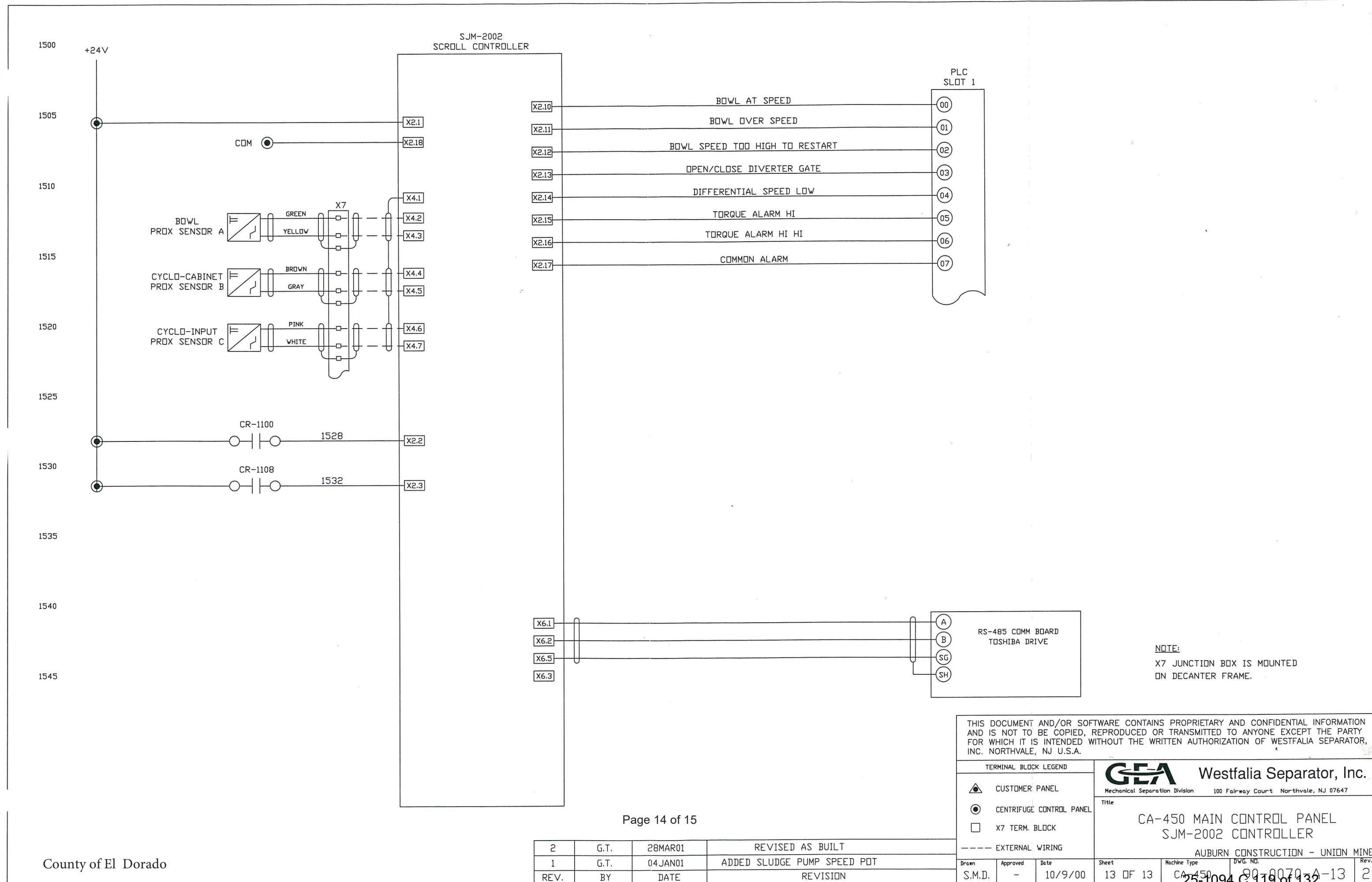
AUBURN CONSTRUCTION - UNION MINE

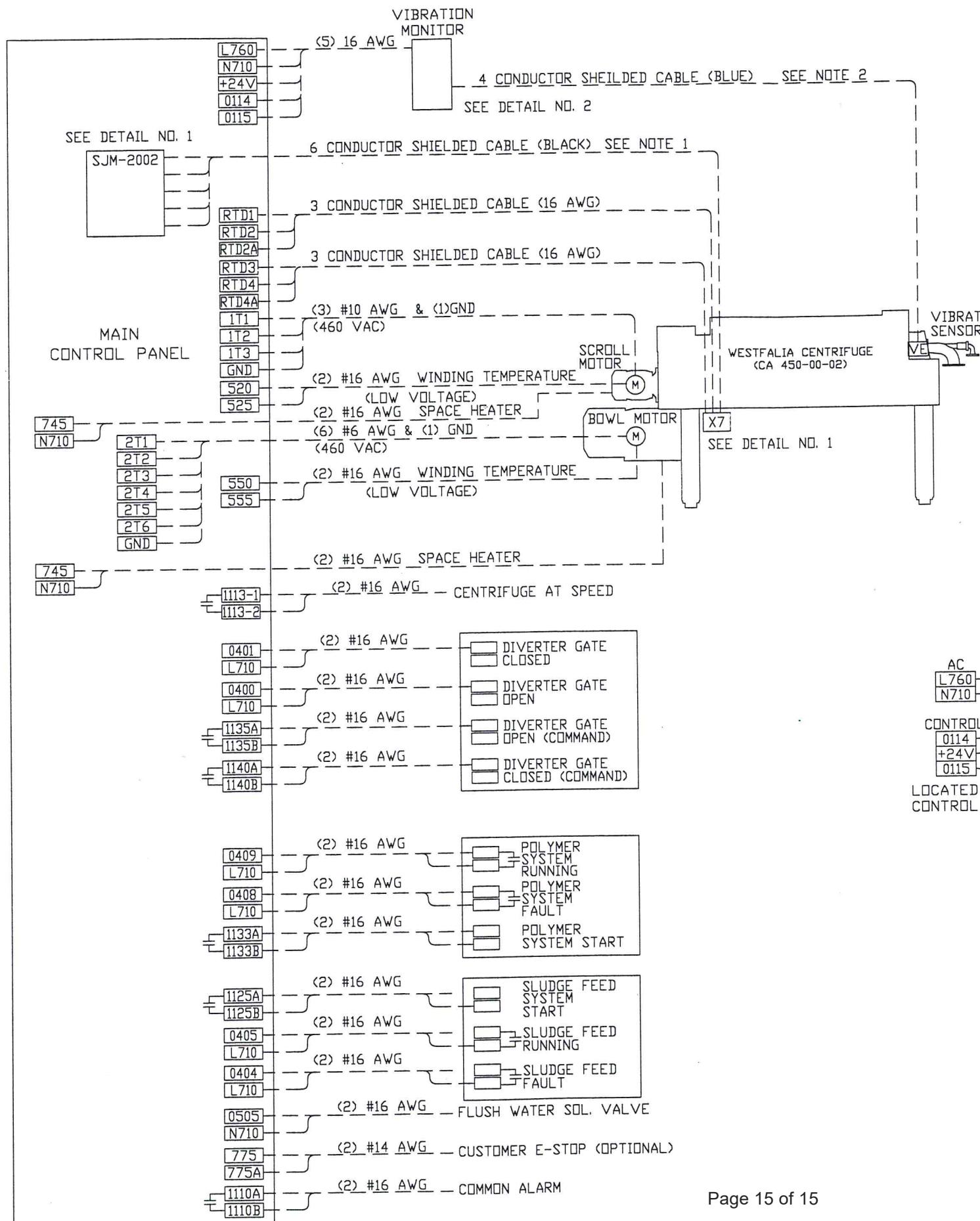
Drawn Approved Date Sheet Machine Type DWG. NO. Rev.
S. M. D. - 10/9/00 10 OF 13 C2551094 C016071032-10 2

2	G. T.	28MAR01	REVISED AS BUILT
1	G. T.	04JAN01	ADDED SLUDGE PUMP SPEED POT
REV.	BY	DATE	REVISION









DETAIL NO. 1

X7 JUNCTION BOX LOCATED ON CA-450 LOCATED IN CONTROL PANEL

	SHIELD	SHIELD
1	GREEN	4.1
2	YELLOW	4.2
3	BROWN	4.3
4	GREY	4.4
5	PINK	4.5
6	WHITE	4.6
7		4.7
8		
9		
10		
11		
12		
13		
14		
15		
16		

SJM-2002

LOCATED IN CONTROL PANEL

SHIELD

GREEN

YELLOW

BROWN

GREY

PINK

WHITE

4.1

4.2

4.3

4.4

4.5

4.6

4.7

TERMINAL BLOCK CONTROL PANEL

RTD1

RTD2

RTD2A

RTD3

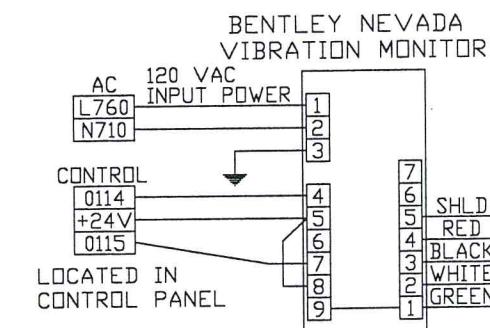
RTD4

RTD4A

BEARING TEMP.
SOLIDS SIDE
PT100

BEARING TEMP.
LIQUID SIDE
PT100

DETAIL NO. 2



VIBRATION SENSOR MOUNTED ON DECANTER

VE

SHIELD

RED

BLACK

WHITE

GREEN

5

4

3

2

1

NOTES:

1. 25 METER CABLE PROVIDED BY WESTFALIA SEPARATOR.
2. 10 METER CABLE PROVIDED BY WESTFALIA SEPARATOR.
3. TERMINAL BLOCK NUMBERS, SUBJECT TO CHANGE.

<input type="checkbox"/>	CUSTOMER PANEL	Westfalia Separator, Inc. Mechanical Separation Division 100 Fairway Court Northvale, NJ 07487 Title CA-450 CONTROL PANEL INTERCONNECTING WIRING DIAGRAM AUBURN CONSTRUCTION - UNION MINE
#	WESTFALIA PANEL	
---	EXTERNAL WIRING	
REV.	BY	Date Sheet Dwg. No. Rev.
G. TASHJI		- 01 of 01 9149-5951-009 0

Attachment D - Photos of Existing Control Panels



Centrifuge #1 Control Panel



Centrifuge #1 Control Panel Right Side



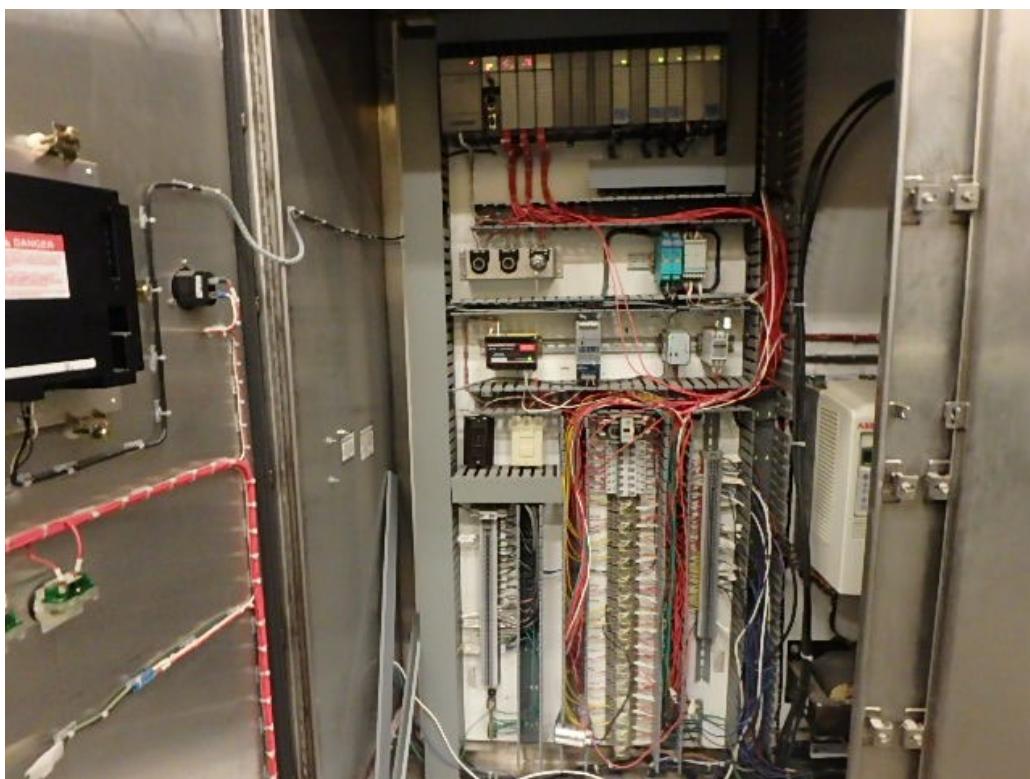
Centrifuge #1 Control Panel Left Side



Centrifuge Control Panel #1 Operator Interface



Centrifuge #1 Control Panel Alarms



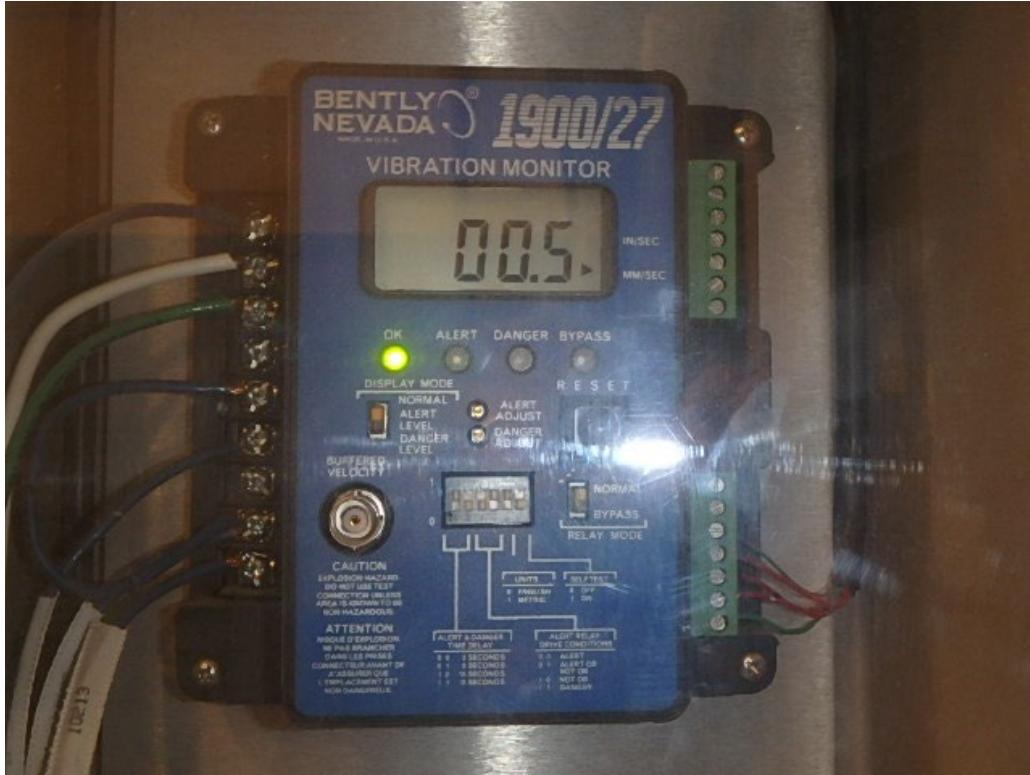
Centrifuge #1 Control Panel Left Inside



Centrifuge #1 Control Panel Right Inside



Centrifuge #1 Conduits



Centrifuge #1 Vibration Monitor



Centrifuge Knife Gate Example



Centrifuge Polymer Injection Example



Centrifuge Feed Pump VFD Example



Centrifuge Feed Pump VFD Local Operator Control



Centrifuge #2 Control Panel



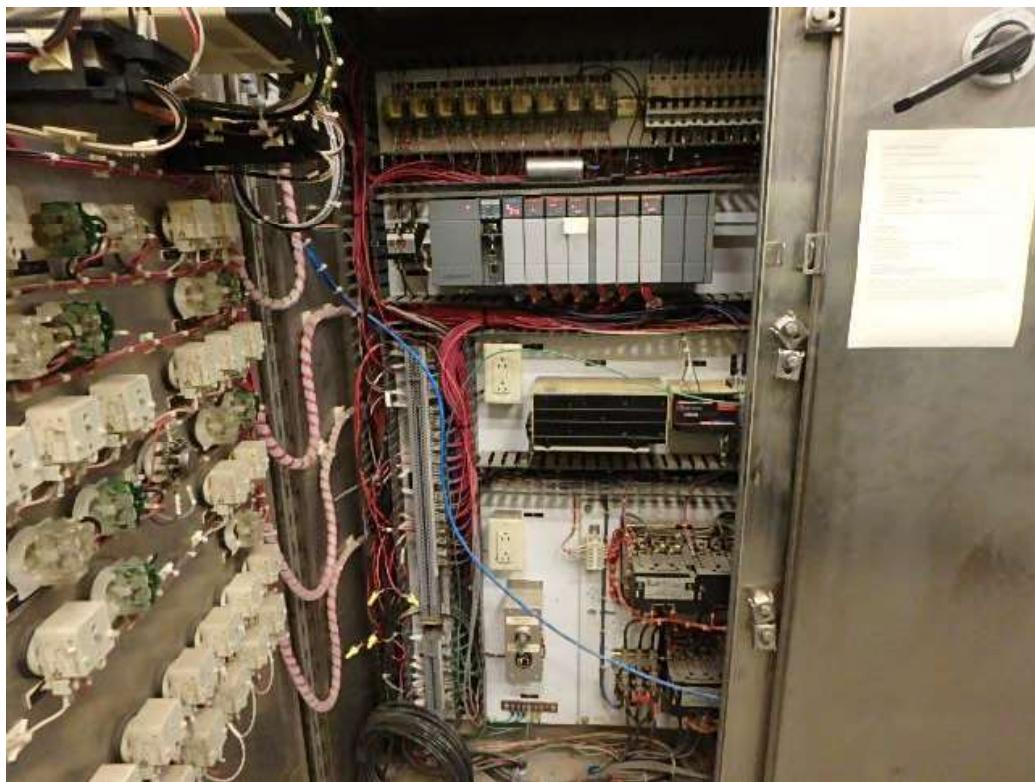
Centrifuge #2 Control Panel Conduits



Centrifuge #2 Control Panel Left Side



Centrifuge #2 Control Panel Right Side



Centrifuge #2 Control Panel Left Inside



Centrifuge #2 Control Panel Right Inside



Centrifuge #2 Flowmeter Box Tie In



Centrifuge #2 Vibration Monitor

ProMinent ProMix 'S & C' Polymer Feeder

Attachment E Prominent Poly Feeder Drawing

