



CITY OF AZTEC
 REQUEST FOR QUOTATION
RFQ # 2025-869, Llano Lift Station Upgrades
THIS IS NOT AN ORDER

ISSUE DATE:	March 25, 2025	SUBMIT QUOTES TO: CITY OF AZTEC Attn: Vanessa Tanner, Project Procurement Specialist 610 Western Ave., Aztec NM 87410 EMAIL: vtanner@aztecnm.gov PHONE: (505) 334-7652 Quotes may be submitted via email.	QUESTIONS MAY BE DIRECTED TO: Anthony Garcia or Tony Mazzeo 505-334-7611 505-334-7610 agarcia@aztecnm.gov wmazzeo@aztecnm.gov
DUE DATE:	April 10, 2025		
TIME:	10:00 am		
Quotes Good to Date:	May 10, 2025		
Expected to Award Date:	April 14, 2025		

NAME OF COMPANY SUBMITTING QUOTE:

PAYMENT TERMS	DELIVERY/ SERVICE ADDRESS
NET 30 DAYS AFTER RECEIPT OF INVOICE UNLESS DISCOUNT IS OFFERED.	603 Llano St Aztec NM 87410
DISCOUNT OFFERED FOR EARLY PAYMENT: _____ % _____ DAYS	FOB DESTINATION – FREIGHT COSTS:
	Include all freight in quote. FOB Destination.

NOTES TO BIDDERS: Include freight/delivery charge if applicable.
 Pricing may be submitted on this form or attached to this form.
 This form **MUST** be submitted and signed on page 2.

Brand Name or Equivalent: Any manufacture name listed is for the purpose of describing the standard of quality, performance, and characteristics desired. Equivalentents exhibiting the same standard of design, function, quality and performance will be considered. Include complete specifications if quoting an equal substitute.

Scope of Work
<p>The City of Aztec will be upgrading the Llano Lift Station control packages. The intent of the upgrade is to replace the existing control panel and eliminate the existing Deragger Pro panel. During the upgrade, the lift station will need to be functional with limited downtime. All installations will be completed while the system is running.</p> <p>Design considerations have been taken to allow for removal of the existing PLC panel and other functionality while the lift station is operating. Only one pump will be moved to the PLC panel at a time and verified working condition. This includes VFD command and status information (wires), Hand-Off-Auto Selector Switches, and any associated items. All modifications to the site will need to be made without disturbing the functional system.</p> <p>**See Exhibit A for Engineer Drawings</p>

The following items will be completed during this upgrade:

- Contractor to provide and install the following items. All items will be installed in parallel with the existing components. The existing components will be removed after the upgrade is complete.
 - Ultrasonic Level Sensor – VegaPlus C21 or approved upgrade (Specify Hazardous Location)
 - To be installed in the Lift Sump
 - New Conduit from Sump to Junction Box, ¾" Minimum, RMC
 - New cable #16 TSP from Junction Box to PLC Panel.
 - Float Switches – (x3), Normally Open
 - To be installed in the Lift Sump
 - New Conduit from Sump to Junction Box, ¾" Minimum, RMC
 - New wire 2#16 awg per float from Junction Box to PLC Panel.
 - Note: Contractor may utilize existing conduit between Junction Box and the Control Room / Building (new ultrasonic level transmitter and floats).
- Replace existing PLC Panel with New PLC Panel. New panel to be 48" x 36" x 12".
- Replace existing conduit and #12 awg wire from 240/120VAC feed distribution panel to PLC Panel.
- Re-route or replace existing conduits between each VFD in the control room. All VFDs currently run to the Deragger Pro panel. All conduits to be re-routed to the new PLC Panel.
- Pull new wire from the PLC panel and re-wire all VFDS per drawings.
 - All VFDS will need CAT6 (Ethernet), Digital Input (2-wires), Digital Output (2-wires), Analog Input (1 TSP) and Analog Output (1 TSP)
- Re-locate Fiber Patch Panel from Southwest side of building to Northeast.
- Add new conduit from new Fiber Switch (to be added to the Northeast side of building) to the PLC panel. Run new CAT6 Ethernet cable and terminate both ends.
- Run new wire from Bar Screen Control Panel to PLC panel.
- Re-route conduit and wire for Generator Control Wires to PLC Panel.
- Re-route Pump #1, #2 and #3 Temperature and Seal switches from Deragger Panel to PLC Panel.
 - Note: New wires may be pulled as necessary.
- Re-route Pump #1, #2 and #3 Hand-Off-Auto Selector switches from Deragger Panel to PLC Panel.
 - Note: New wires may be pulled as necessary
- On-Site Support for Startup
 - One Pump at a time will be moved over for startup. This will happen over a few day. Estimated 3-days of startup support.
- Removal of existing Deragger panel after startup is complete.
- Removal of existing level transmitter and float switches after startup is complete.

Item	Description	Unit	Total
1	Materials	Lump Sum:	
2	Labor for Scope of Work	Lump Sum:	
Total:			

Estimated Time to Project Completion after Materials Received:

Total Written Amount of Quote:

DATE OF QUOTE	
SUBMITTED BY (Printed Name)	
SIGNATURE (Bidder must sign to validate offer.)	
COMPANY NAME	
ADDRESS	
TELEPHONE	
EMAIL ADDRESS	
FED TAX ID NUMBER	
NM CRS ID NUMBER	

1. **CONTRACT DOCUMENTS:** The contract documents shall consist of the Bid/RFQ Documents, any Addenda issued prior to Due Date, the quote, the Purchase Order and any separate written agreement agreed to by the parties. This RFQ is subject to the Purchase Order Terms and Conditions and RFQ Requirements and Specifications.

2. **INTERPRETATION OF CONTRACT DOCUMENTS:** If a potential Bidder is uncertain as to the meaning of any part of the specifications or this RFQ, the bidder is expected to contact the Purchasing Agent no less than four (4) days prior to Due Date.

3. **EXAMINATION:** Bidders shall carefully examine the Contract documents and the maintenance sites to

- obtain first-hand knowledge of existing conditions. Bidders will not be given extra payment for conditions, which can be determined by examining the site and contract documents. It is mutually agreed that the Bidder has made the examinations, investigations and test required herein and has made provisions as to the cost in his bid/quote.
4. DELIVERY: Quote shall be FOB Destination and must indicate normal lead time and/or best delivery date on the items listed. Shipping costs shall be included in quote. New Mexico laws prohibit acceptance of ownership of goods in transit.
 5. DELIVERY/ WORK COMPLETION DATE: Time of proposed delivery of completion of work must be stated in definite terms. The City reserves the right to cancel all items not shipped or work not completed within the period agreed to by the vendor. In case of default of the successful bidder, the City may procure the items from other sources and hold the bidder responsible for any excess cost occasioned thereby.
 6. PREPARATION OF BIDS: Bidders are not required to provide quotes for every item listed. The City may award separate items to separate bidders or all to one bidder, depending upon availability and/or pricing of each item.
 7. SUBMITTALS: This RFQ and any required documents must be received by the Department indicated on the RFQ by the date and time indicated. Bids/Quotes may be submitted via email, USPS (or VendorRegistry.com if published there).
 8. AWARD: The City reserves the right to award to multiple vendors as determined to be in the City's best interest. Award will be made to the most responsive, responsible and qualified vendor with the bid most closely conforming to the solicitation, whose selection will be most advantageous to the City. In determining responsiveness, responsibility and qualifications, the following will be considered by the City: A.) The bid which offers all specifications requested and has the least overall cost to the City of Aztec. B.) Bidder's experience and references. Upon request, the bidder shall supply the City with references, a general history, description, and status of their company and/ or qualifications.
 9. NOTICE OF AWARD: Award notification will be sent to the vendor receiving the award via mail and/or email. Award status can be obtained by contacting the City Purchasing Office at (505) 334-7656.
 10. MATERIALS: All supplies, materials, and components quoted shall be new unless indicated otherwise. Any quotes submitted for used or reconditioned supplies or components will be considered non-responsive. All goods shall be delivered completely serviced and ready for use.
 11. CORRECTION OF WORK AFTER FINAL PAYMENT: Final payment shall not relieve the vendor of responsibility for faulty materials or workmanship and the vendor shall promptly remedy any defects due thereto.
 12. PERFORMANCE OF CONTRACT: The vendor shall comply with all laws, ordinances, rules regulations and specifications that have a bearing on this contract.
 13. OPERATIONAL INSTRUCTION: The bidder shall supply with their bid the latest printed specifications and advertising literature on the unit (s) they propose to furnish.
 14. ALTERNATE/ EQUIVALENT BIDS: Unless otherwise stated, any manufacture or brand names listed for the purpose of describing the standard of quality, performance, and characteristics desired. Equivalents exhibiting the same standard of design, function, quality and performance will be considered. Include complete specifications if quoting a substitute.

Bidders submitting alternate items, of equal specifications, may be requested to demonstrate suitability or provide product samples of the item they intend to supply for testing. The City Purchasing Agent shall be the sole judge to determine whether the alternate item is actually equal to the item identified in the specifications and the Purchasing Agent's decision will be final and binding.

The City recognizes the expertise provided by many bidders and encourages creativity in bidding. Alternates may be considered if the bid submitted clearly indicates what will be furnished and how it will benefit the City. Alternates will be compared to the lowest responsive, responsible bid as specified.
 15. QUOTE EXPIRATION: Unless otherwise indicated, quotes must be valid for a minimum of 30 days.
 16. CONTAINER DEPOSITS: The City shall not be charged for container deposits. Seller shall be required to remove empty containers.
 17. NON-TAXABLE TRANSACTIONS: Tangible personal property items (parts, supplies) are non-taxable to the City. A non-taxable certificate, if not previously issued, will be issued to successful bidders upon request.
 18. TAXABLE TRANSACTIONS (such as labor): Pursuant to Section 13-1-108 NMSA 1978, the total amount of the bid shall exclude the applicable state gross receipts tax or applicable local option tax. The City will pay for any taxes due on the Contract and will pay any increase in applicable tax which become effective after the date the Contract is entered into.

Taxes shall be shown as a separate amount in each billing or request for payment made under contract and shall

separately identify each tax being billed.

19. CORRESPONDENCES: The RFQ Number shall appear on all quotations and related correspondence.
20. DELIVERY/ COMPLETION DATE: Time of proposed delivery of completion of work must be stated in definite terms. Time is of the essence in the placing of this order and the City of Aztec reserves the right to cancel all items not shipped or work not completed within the period agreed to by the vendor. In case of default of the successful bidder, City of Aztec may procure the items from other sources and hold the bidder responsible for any excess cost occasioned thereby.
21. WARRANTIES: The Bidder shall warrant and guarantee all workmanship performed by the Bidder and materials supplied by the Bidder for a minimum period of one (1) year from purchase date, unless otherwise specified in the specifications.
22. DEFAULT: In event of default by the contractor, the City reserves the right to procure the commodities and/or services from other sources, and hold the contractor liable for any excess cost occasioned thereby.
23. FIRM PRICING: Bid price shall remain firm for the entire contract period. The City reserves the right to accept any bid, in whole or in part, and to reject any or all bids if it is deemed in the best interest of the City to do so. The City reserves the right to waive any formality or informality in the process of awarding this bid.
24. CANCELLATION: The City may cancel the contract with the vendor at any time for vendor poor performance or vendor breach of contract. Cancellation shall not release the vendor from legal remedies available to the City.
25. PAYMENT: Original invoices must be presented for payment in accordance with instructions contained on the Purchase Order including reference to Purchase Order number and submitted to the correct address for processing.
26. PROTESTS: Any protest concerning the award of a contract shall be decided by the Procurement Specialist. Protests shall be made in writing to the Purchasing Office and shall be filed within three (3) business days of final approval and acceptance of the bid by the City Commission. A protest is considered filed when received by the Purchasing Office. The written protest shall include the name and address of the protestor, the ITB number, a statement of the specific reasons for the protest and supporting exhibits. The Purchasing Specialist will respond to the written protest within seven (7) days. The Purchasing Specialist's decision relative to the protest shall be final.

Upon receipt of a protest the City may, but is not required to, delay its order under the awarded

contract.

27. ERRORS & OMISSIONS: The City is not responsible for errors and omissions occurring in the transmission or download of any documents or specifications. In the event of any discrepancy between website information and the hard copy documents, the terms of the hard copy will control.
28. RESERVATION OF RIGHTS: The City reserves the right to reject any or all bids failing to meet the City's specifications or requirements and to waive technicalities. If in the City's opinion, the lowest bid is not the most responsible bid, considering value received for monies expended, the right is reserved to make awards as determined solely by the judgment of the City. In determining the lowest responsible bidder, the City shall take into consideration the qualities of the articles supplied, their conformity with the specifications, and their suitability to the requirements of the City and the delivery terms. Intangible factors, such as the Bidder's reputation and past performance, will also be weighed.
29. TERMINATION, CANCELLATION AND DAMAGES: This contract may be terminated upon mutual agreement of both parties.

The Bidder's failure to meet the mandatory requirements of the RFQ will result in the disqualification of the bid from further consideration.

The City further reserves the right to reject all bids/quotes and obtain goods or services through intergovernmental or cooperative agreements, or to issue a new and revised RFQ.

Submission of a bid/quote confers no rights on the Bidder/ Contractor to a selection or to a subsequent contract. All decisions on compliance, evaluation, terms and conditions shall be made solely at the City's discretion and shall be made in the best interest of the City.

If the City terminates this Contract because of the supplier/contractor's breach, the City shall have the right to purchase items or services elsewhere and to charge the supplier/contractor with any additional cost incurred, including but not limited to the cost of cover, incidental and consequential damages and the cost of re-bidding. The City may offset these additional costs against any sums otherwise due to the supplier/contractor under this bid or any unrelated contract.

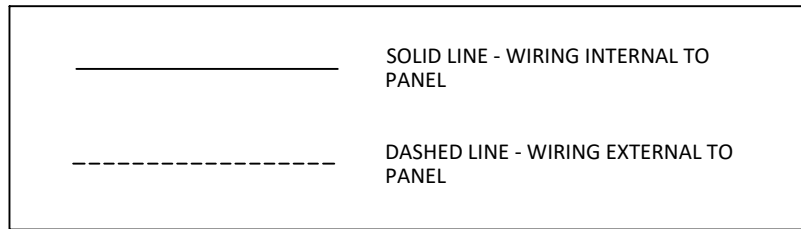
30. TRANSFER OF OWNERSHIP OR ASSIGNMENT: The terms and conditions of this contract shall be binding upon and shall ensure to the benefit of the

parties hereto and their respective successors and assigns. Prior to any sales or assignments the City must be notified and approve same in writing.

31. VENUE: By submitting a response, bidder agrees that venue for all disputes arising out of the solicitation process, including but not limited to judicial review of any protest decision, will be exclusively in the circuit court for the Eighteenth Judicial Circuit in City of Aztec, New Mexico and that New Mexico law will control.
32. COOPERATIVE USE AGREEMENT: Use of Contract by Other Agencies: Pursuant to Section 13-1-129, NMSA 1978, Bidders /Contractors /Offerors are hereby notified that any central purchasing office allowed by law and as otherwise allowed by their respective governing rules and regulations, may contract for the goods and/or services included in this procurement document with the awarded Bidder /Contractor /Offeror. Contractual engagements accomplished under this provision shall be solely between the Bidder /Contractor /Offeror and the contracting entity with no obligation by the City of Aztec.
33. BRIBERY: By law (Section 13-1-191, NMSA, 1978) the City is required to inform Vendors of the following: (1) it is a third-degree felony under NM law to commit the offense of bribery of a public officer or public employee (Section 30-24-1); (2) it is a third- degree felony to commit the offense of demanding or receiving a bribe by a public officer or public employee (Section 30-24-2); (3) it is a fourth-degree felony to commit the offense of soliciting or receiving illegal kickbacks (Section 30-41-1); (4) it is a fourth-degree felony to commit the offense of offering or paying illegal kickbacks (Section 30-41-2).
19. CONFLICT OF INTEREST: Bidder warrants that it presently has no interest and will not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of service under this contract. Bidder must notify the City's Chief Procurement Officer if any employee(s) of the requesting department or the Purchasing Office have a financial interest in the Bidder. If yes, the Bidder must specify the employee(s) name in their proposal.
20. DEBARMENT, SUSPENSION, AND INELIGIBILITY: By submitting a response (RFQ/Bid/Offer) to this solicitation, the business (Bidder /Offeror /Contractor) represents and warrants that it is not debarred, suspended, or placed in ineligibility under the provisions of Federal Executive Order 12549.
34. RENEWAL & EXTENSION: This contract will not be subject to renewal or extension.
35. SUBCONTRACTORS: No Subcontractors will be allowed.
36. WITHDRAWAL OF BIDS: Any bid/quote may be withdrawn prior to the Due Date or authorized postponement thereof. Any Bid received after the time and date specified shall not be considered.
37. NEW VENDORS: New vendors are required to complete a Vendor Packet prior to issuance of the purchase order.

EXHIBIT A

PAGE NUMBER	DESCRIPTION	LADDER
BRE-01170-C001	PROJECT DIRECTORY	
BRE-01170-L001	INTERNAL LAYOUT DIAGRAM	
BRE-01101-L002	ENCLOSURE LAYOUT DIAGRAM	
BRE-01170-L003	PLC PANEL BILL OF MATERIALS	
BRE-01170-L004	TERMINAL BLOCK DETAILS	
BRE-01170-L005	SITE LAYOUT	
BRE-01170-E001	CONTROL POWER ELECTRICAL WIRING DIAGRAM	500-539
BRE-01170-E002	CONTROL POWER ELECTRICAL WIRING DIAGRAM	540-579
BRE-01170-E003	RACK 0 SLOT 0 PROCESSOR	580-619
BRE-01170-E004	RACK 0 SLOT 1 AND SLOT 2 DIGITAL INPUTS	620-659
BRE-01170-E005	RACK 0 SLOT 3 DIGITAL INPUTS	660-699
BRE-01170-E006	RACK 0 SLOT 4 DIGITAL OUTPUTS	700-739
BRE-01170-E007	RACK 0 SLOT 5 ANALOG INPUTS	740-779
BRE-01170-E008	RACK 0 SLOT 6 ANALOG INPUTS	780-819
BRE-01170-E009	UNUSED	820-859
BRE-01170-E010	COMMUNICATION DETAIL	860-899
BRE-01170-E011	UNUSED	900-939
BRE-01170-E012	VFD #1 DETAIL	940-959
BRE-01170-E013	VFD #2 DETAIL	960-979
BRE-01170-E014	VFD #3 DETAIL	980-999



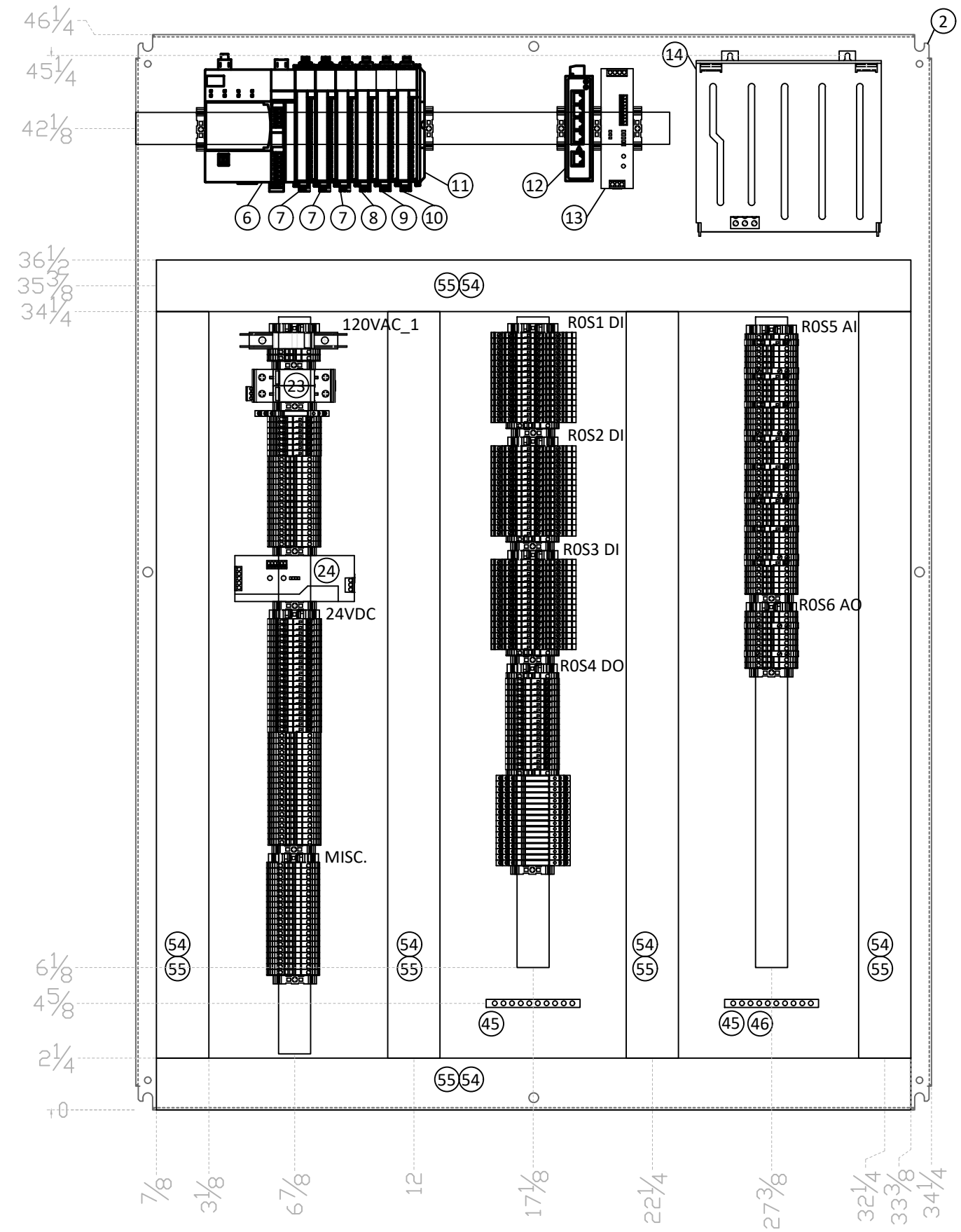
DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	

<p>EDWARDS AUTOMATION AND DESIGN, LLC</p>	PROJECT: AZTEC LLANO LIFT STATION UPDATE
	DESCRIPTION: PROJECT DIRECTORY
	SCL: NTS
	REV: 0
DWG NO. BRE-01170-C001	

NOTE:
 1. DIMENSION TOLERANCE ON DIN RAIL AND WIRE DUCT
 PLACEMENT AND LENGTH: 1/8"

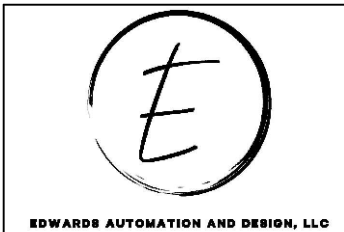


PANEL
LAYOUT

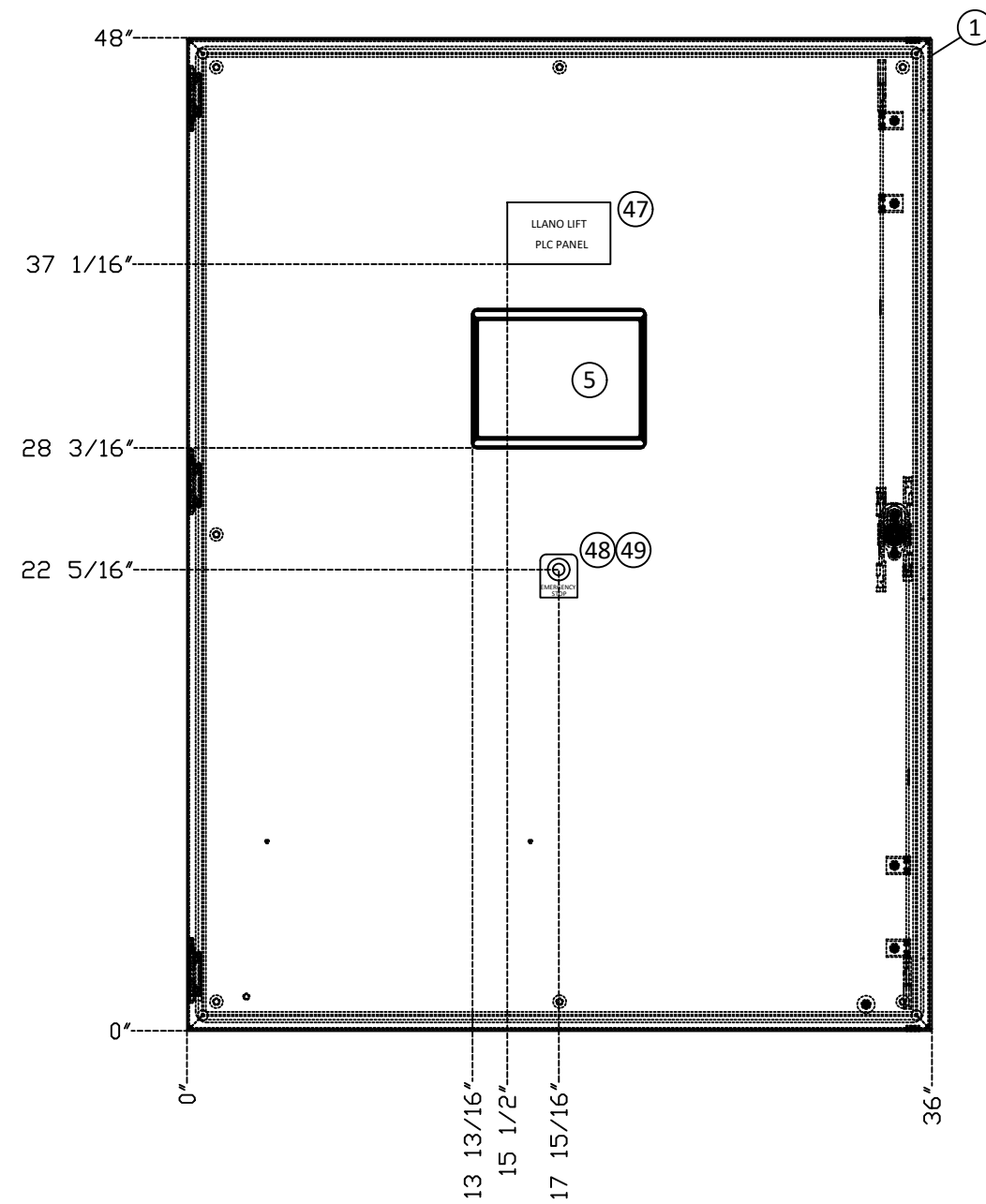
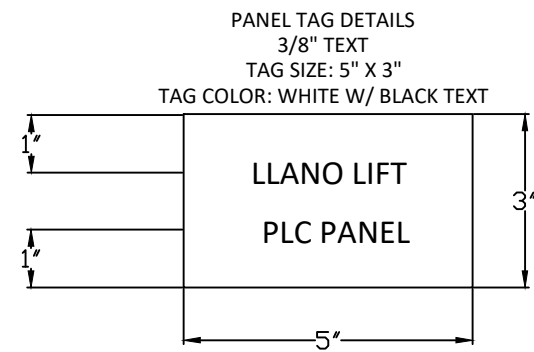
DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

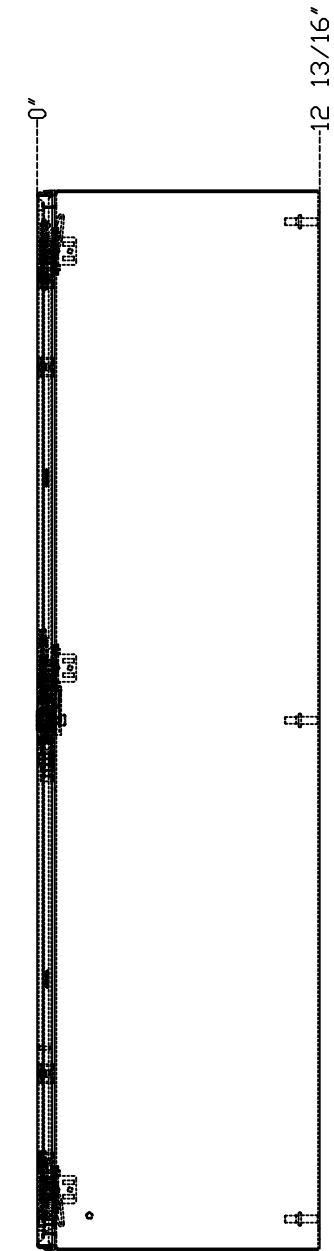
DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: INTERNAL LAYOUT DIAGRAM	
SCL: NTS	DWG NO. BRE-01170-L001
REV: 0	



ENCLOSURE LAYOUT FRONT

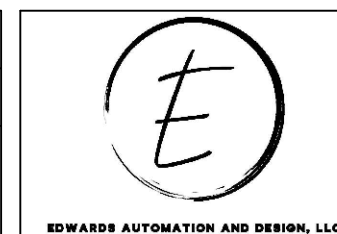


ENCLOSURE LAYOUT SIDE

DAP	DESIGN	03/24
BY	REVISIONS	DATE

DWG REF.	.
.	.
.	.
.....\DWG\DWG\Temp\city-aztec.dwg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 03/27/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



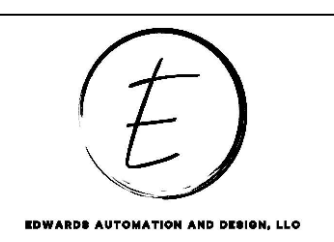
PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: ENCLOSURE LAYOUT DIAGRAM	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-L002

	MANUFACTURER	PART NO.	QTY	DESCRIPTION	SUPPLIED BY
1	HOFFMAN	CSD483612	1	ENCLOSURE, 48" X 36" X 12", MILD STEEL	PANEL BUILDER
2	HOFFMAN	CP4836	1	PANEL BACKPLANE FOR 48" X 36" ENCLOSURE	PANEL BUILDER
3	NOT USED				
4	NOT USED				
5	ALLEN BRADLEY	2711P-T7C21D8S	1	PANELVIEW 7" HMI	PANEL BUILDER
6	ALLEN BRADLEY	5069-L310ER	1	PROCESSOR, COMPACTLOGIX	PANEL BUILDER
7	ALLEN BRADLEY	5069-IB16	3	16-POINT DIGITAL INPUT MODULE, COMPACTLOGIX	PANEL BUILDER
8	ALLEN BRADLEY	5069-OB16	1	16-POINT DIGITAL OUTPUT MODULE, COMPACTLOGIX	PANEL BUILDER
9	ALLEN BRADLEY	5069-IF8	1	8-POINT ANALOG INPUT MODULE, COMPACTLOGIX	PANEL BUILDER
10	ALLEN BRADLEY	5069-OF4	1	4-POINT ANALOG OUTPUT MODULE, COMPACTLOGIX	PANEL BUILDER
11	ALLEN BRADLEY	5069-ECR	1	COMPACTLOGIX END CAP	PANEL BUILDER
12	ALLEN BRADLEY	1783-US5T	1	STRATIX 2000 5 PORT UNMANAGED SWITCH	PANEL BUILDER
13	PHOENIX CONTACT	2907066	1	UPS, 24VDC IN, 24VDC OUT, 10A, QUINT4-UPS/24DC/24DC/10	PANEL BUILDER
14	PHOENIX CONTACT	1274119	1	UPS BATTERY, 24VDC, 12Ah, QUINT-BAT/24VDC/12Ah	PANEL BUILDER
15	NOT USED				
16	NOT USED				
17	NOT USED				
18	NOT USED				
19	NOT USED				
20	NOT USED				
21	NOT USED				
22	NOT USED				
23	PHOENIX CONTACT	2910349	1	TYPE 1 SURGE PROTECTOR, 25KA, VAL-US-120/40/1+1-FM	PANEL BUILDER
24	PHOENIX CONTACT	2904601	1	QUINT 4-PS/1AC/24DC/10, 10A, 120VAC TO 24VDC POWER SUPPLY	PANEL BUILDER
25	ALLEN BRADLEY	199-DR2	2	DIN RAIL, 35/15 X 2 METER, PERFERATED	PANEL BUILDER
26	PHOENIX CONTACT	2907571	1	CIRCUIT BREAKER, THERMOMAGNETIC, 1 POLE, 120VAC, DIN RAIL, TMC 81C 15A	PANEL BUILDER
27	PHOENIX CONTACT	2966197	1	RELAY MODULE, 120VAC COIL, SLIMLINE, 1 FORM C, 6A SWITCHING, PLC-RSC0120UC/21	PANEL BUILDER
28	PHOENIX CONTACT	3046100	7	SINGLE FUSE TERMINAL BLOCK FOR 120VAC, UT4-HESI, 5X20	PANEL BUILDER
29	PHOENIX CONTACT	3047701	8	WHITE MTD TERMINAL BLOCK, UT 4-MTD WH	PANEL BUILDER
30	PHOENIX CONTACT	3046223	8	FEED THROUGH GROUND TERMINAL BLOCK, UT4-MTD-PE	PANEL BUILDER
31	PHOENIX CONTACT	3046184	68	FEED THROUGH TERMINAL BLOCK, UT 4, MTD	PANEL BUILDER
32	PHOENIX CONTACT	3046090	44	SINGLE FUSE TERMINAL BLOCK FOR 24VDC, UT4-HESILED 24, 5X20	PANEL BUILDER
33	PHOENIX CONTACT	3044364	6	FEED-THROUGH TERMINAL BLOCK, UT4-TWIN	PANEL BUILDER
34	PHOENIX CONTACT	3214366	48	FUSE MODULAR TERMINAL BLOCK WITH PASS THROUGH, 24VDC, UT4-L/HESILED 24 (5X20MM FUSE)	PANEL BUILDER
35	PHOENIX CONTACT	2966171	16	RELAY MODULE, 24VDC INPUT, PLC-RSC-24DC/21	PANEL BUILDER
36	PHOENIX CONTACT	3022218	9	END CLAMP, CLIP ON, CLIPFIX 35-5	PANEL BUILDER
37	PHOENIX CONTACT	0800886	17	END CLAMP, E/NS 35N	PANEL BUILDER
38	PHOENIX CONTACT	3047141	8	END COVER, D-UT 2.5/4 TWIN	PANEL BUILDER
39	PHOENIX CONTACT	0811970	9	TERMINAL STRIP MARKER CARRIER, HEIGHT ADJUSTABLE, FOR END BRACKETS CLIPFIX 15, 35 AND 35-5, KLMP	PANEL BUILDER
40	NOT USED				
41	NOT USED				
42	PHOENIX CONTACT	3032224	2	PLUG IN BRIDGE, 50 POSITION, RED, FBS 50-6, CUT TO FIT	PANEL BUILDER
43	PHOENIX CONTACT	2966786	1	CONTINUOUS PLUG IN BRIDGE FOR SLIM LINE RELAYS, RED, CUT TO LENGTH, FBST 500-PLC RD	PANEL BUILDER
44	NOT USED				
45	ILSCO	D167-8	2	GROUND BAR KIT, 8 TERMINAL	PANEL BUILDER
46	SQUARE D	PKGTAB	1	ISOLATED GROUND KIT	PANEL BUILDER
47	CUSTOM		1	LAMACOID NAMEPLATE, 5" X 3" BLK/WHT, 3/8" LETTER HEIGHT, EVENLY SPACED	PANEL BUILDER
48	ALLEN BRADLEY	800T-FX6A1	1	EMERGENCY STOP PUSH BUTTON	PANEL BUILDER
49	ALLEN BRADLEY	800T-X504	1	EMERGENCY STOP LEGEND	PANEL BUILDER
50	PHOENIX CONTACT	828736	8	UT 4 SNAP IN LABELS, 60 LABELS PER CARD, WHITE, UCT-TM6, QTY OF CARD	PANEL BUILDER
51	PHOENIX CONTACT	830317	1	SILVER ADHESIVE BACKED LABELS, US-EMLP (8,8X15) SR, 108 LABELS PER CARD	PANEL BUILDER
52	NOT USED				
53	NOT USED				
54	TY-DUCT	TYD2X4NPG6	24'	WIRE DUCT, 2" X 4", GRAY, SLOTTED, 6' LENTH	PANEL BUILDER
55	TY-DUCT	TYD2CPG6	24'	WIRE DUCT COVER, 2", GRAY, 6' LENGTH	PANEL BUILDER
56	NOT USED				
57	LITTELFUSE	0235.004P	1	4 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
58	LITTELFUSE	0235.500P	60	0.5 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
59	LITTELFUSE	0235.001P	22	1 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
60	LITTELFUSE	0235.002P	10	2 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
61	LITTELFUSE	0235.003P	3	3 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
62	LITTELFUSE	0235.005P	2	5 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER
63	LITTELFUSE	0285010.P	1	10 AMP FUSE, FAST ACTING, GLASS BODY	PANEL BUILDER

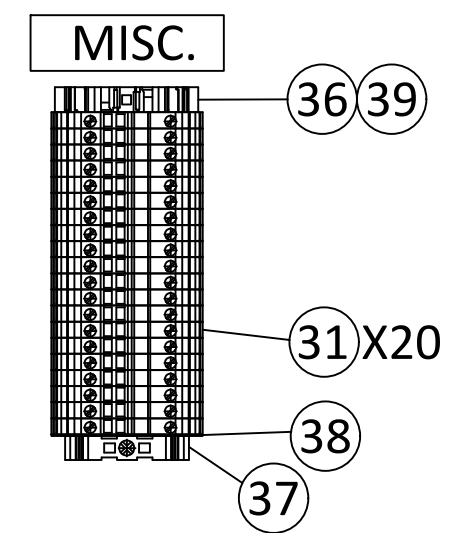
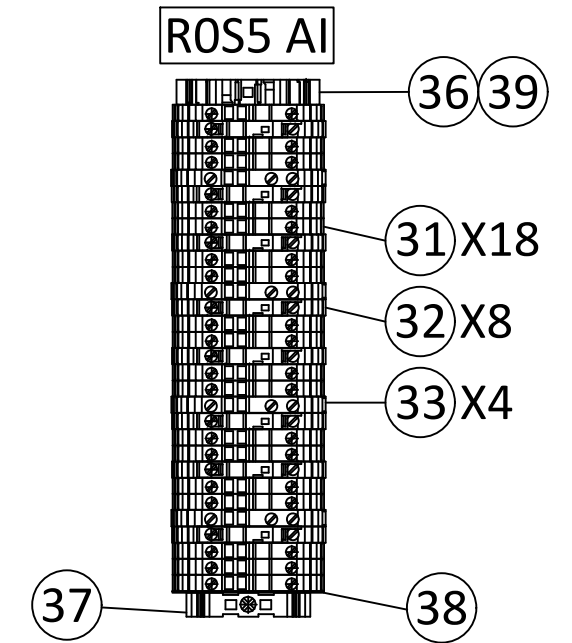
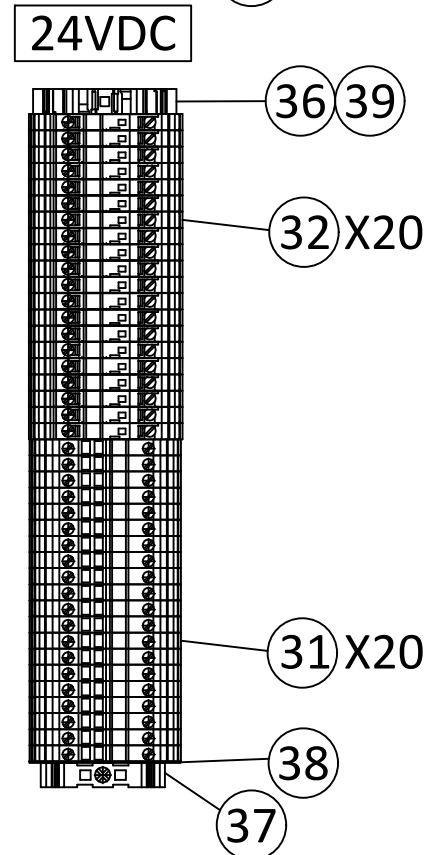
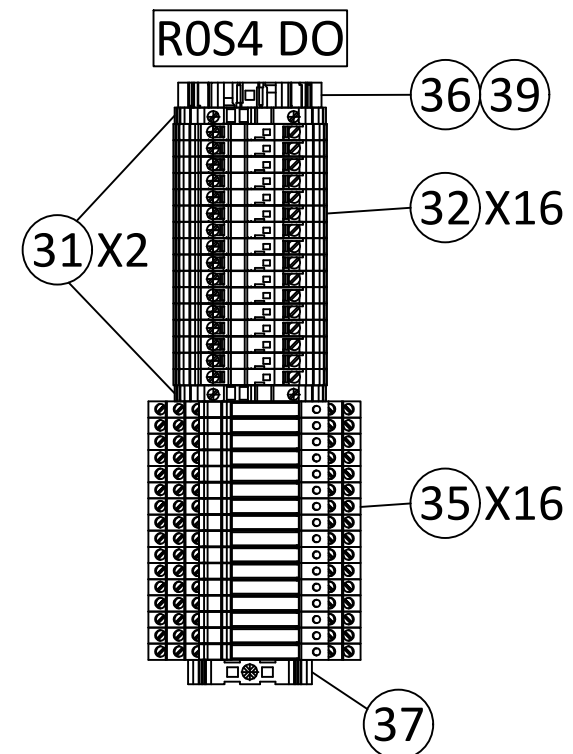
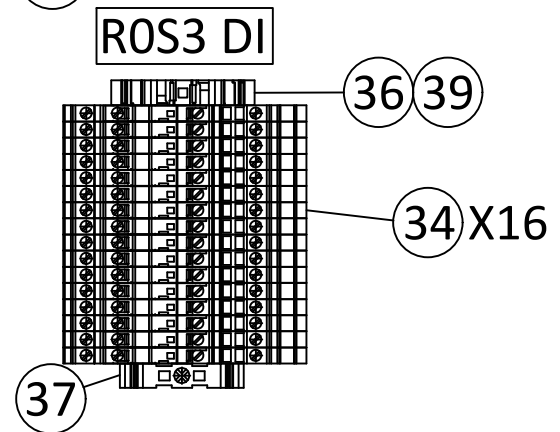
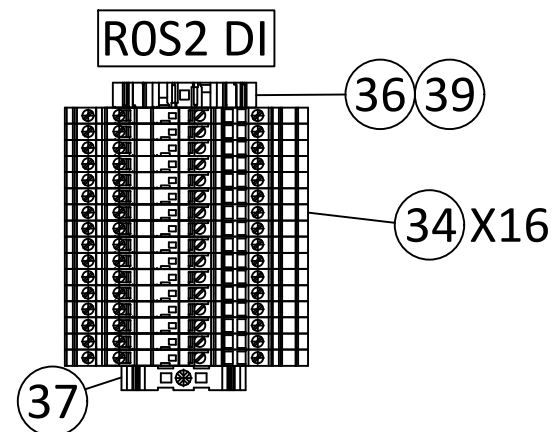
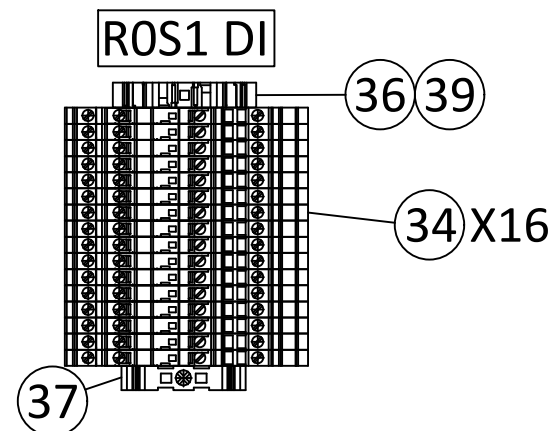
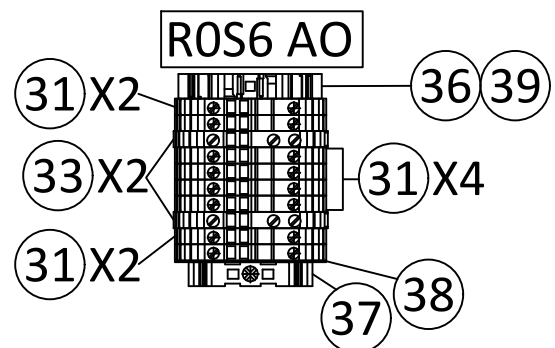
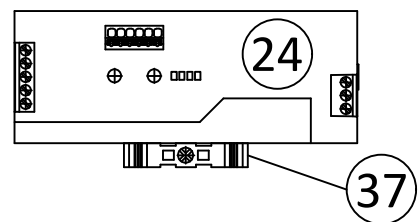
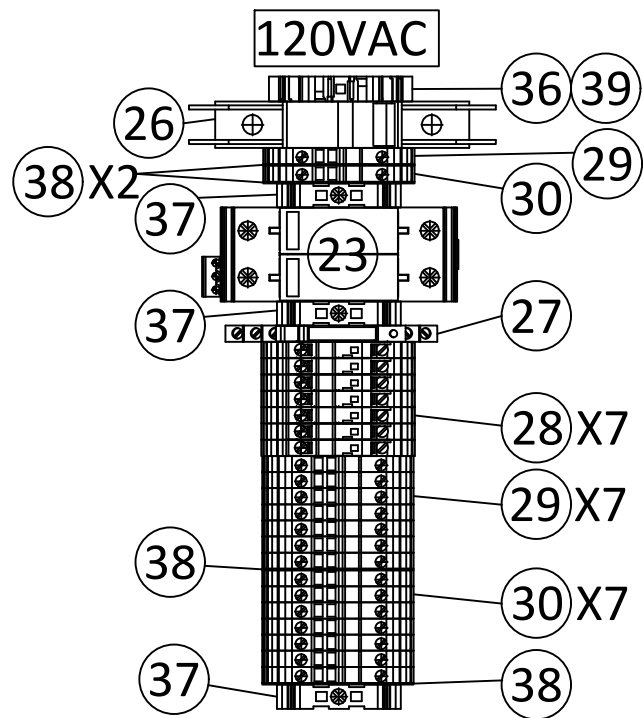
DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

DWG BY:	DAP	CHK'D BY:	BRE
DATE:	04/15/24	SHEET:	1 OF 1
CLIENT:	CITY OF AZTEC		



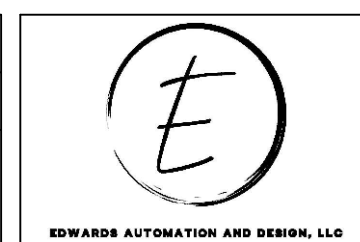
PROJECT:	AZTEC LLANO LIFT STATION UPDATE		
DESCRIPTION:	BILL OF MATERIALS		
SCL:	NTS	DWG NO.	BRE-01170-L003
REV:	0		



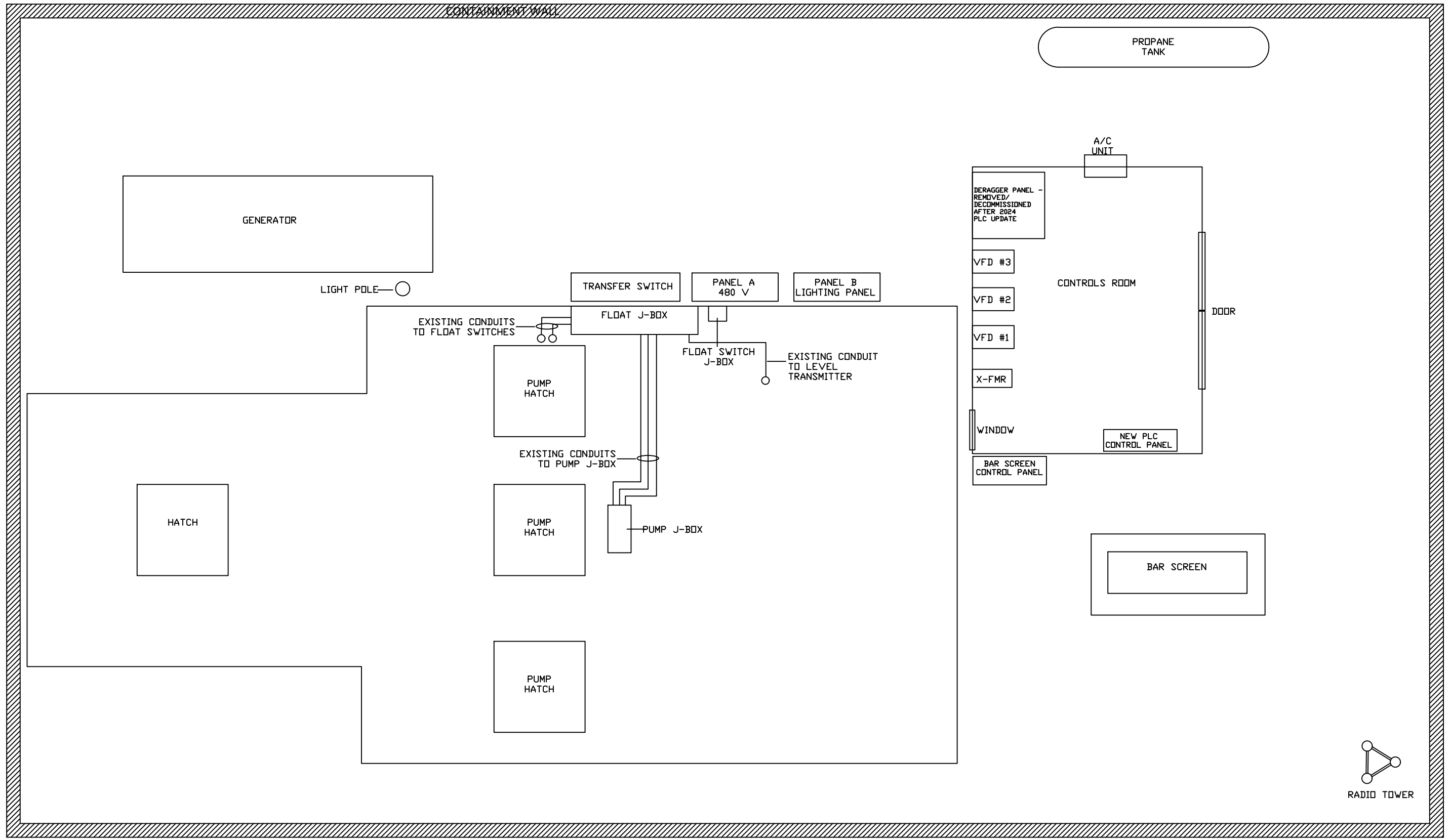
BY	DESIGN	REVISIONS	DATE
DAP	DESIGN		04/24

DWG REF.	DESCRIPTION

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



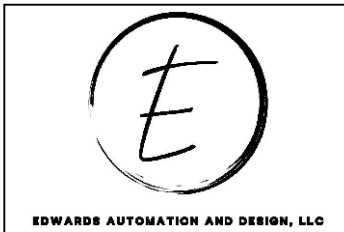
PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: TERMINAL BLOCK DETAILS	
SCL: NTS	DWG NO. BRE-01170-L004
REV: 0	



BY	REVISIONS	DATE
DAP	DESIGN	04/24

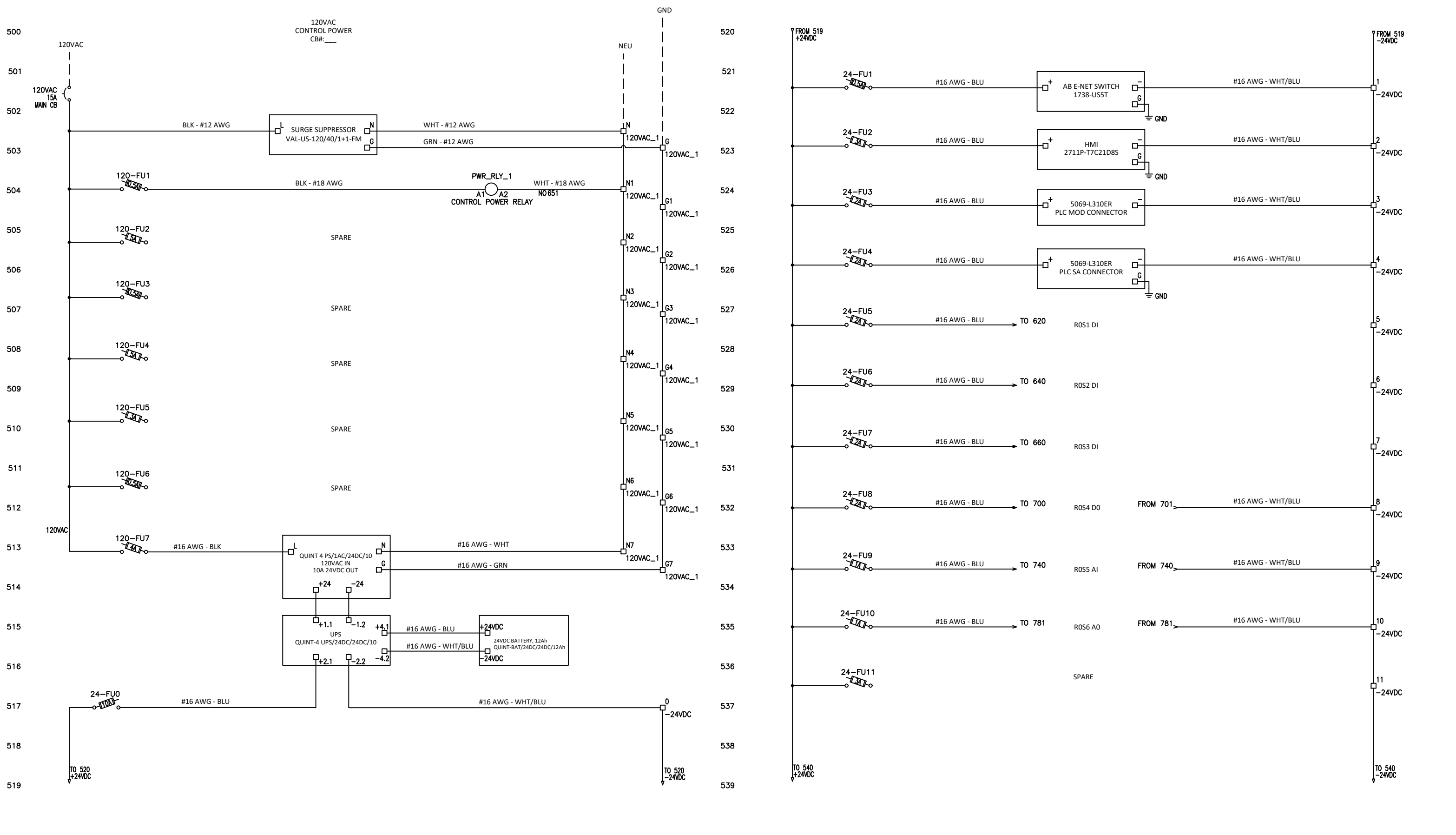
DWG REF.	
.....\DWG\DWG\Temp\city-aztec.jpg	

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: SITE LAYOUT	
SCL: NTS	DWG NO. BRE-01170-L005
REV: 0	

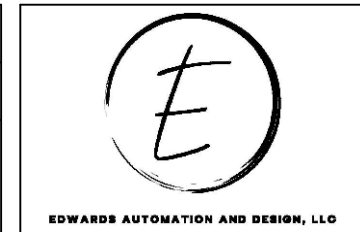
EDWARDS AUTOMATION AND DESIGN, LLC



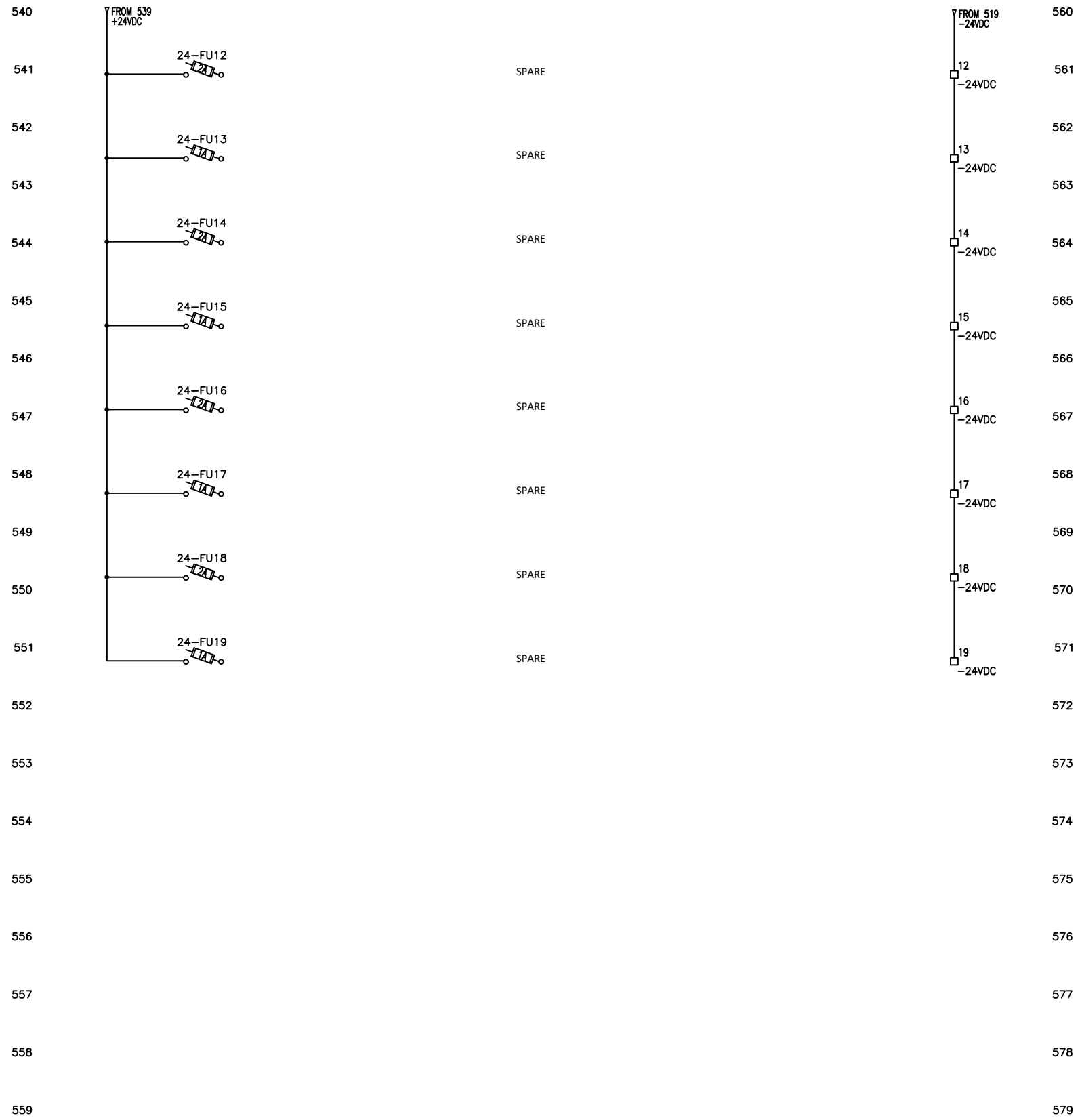
DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
.....\DWG\APP\Temp\Temp\aztec.jpg	.

DWG BY:	DAP	CHK'D BY:	BRE
DATE:	04/15/24	SHEET:	1 OF 1
CLIENT:	CITY OF AZTEC		



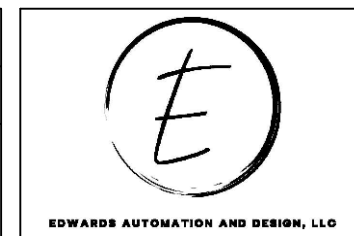
PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: CONTROL POWER ELECTRICAL WIRING DIAGRAM	
SCL: NTS	DWG NO.
REV: 1	BRE-01170-E001



DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

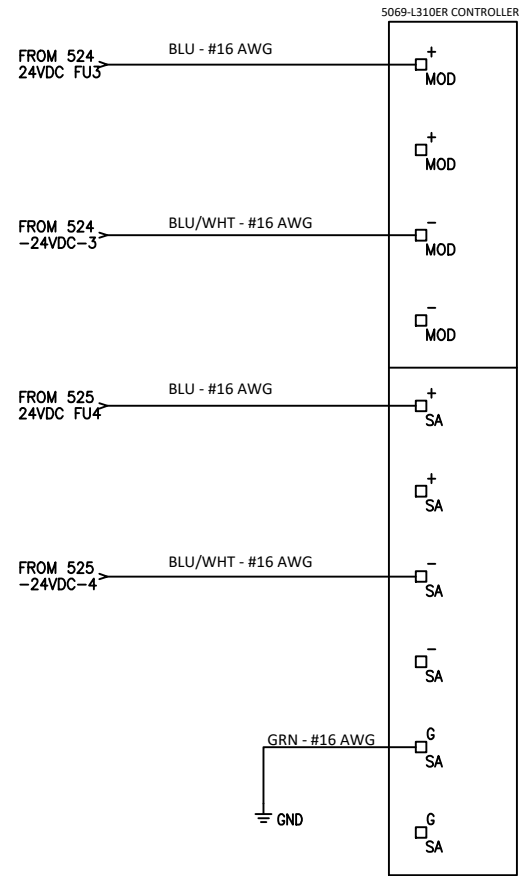
DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: CONTROL POWER ELECTRICAL WIRING DIAGRAM	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E002

SLOT 0

5069-L310ER PROCESSOR



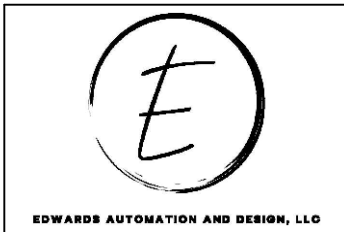
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599

600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619

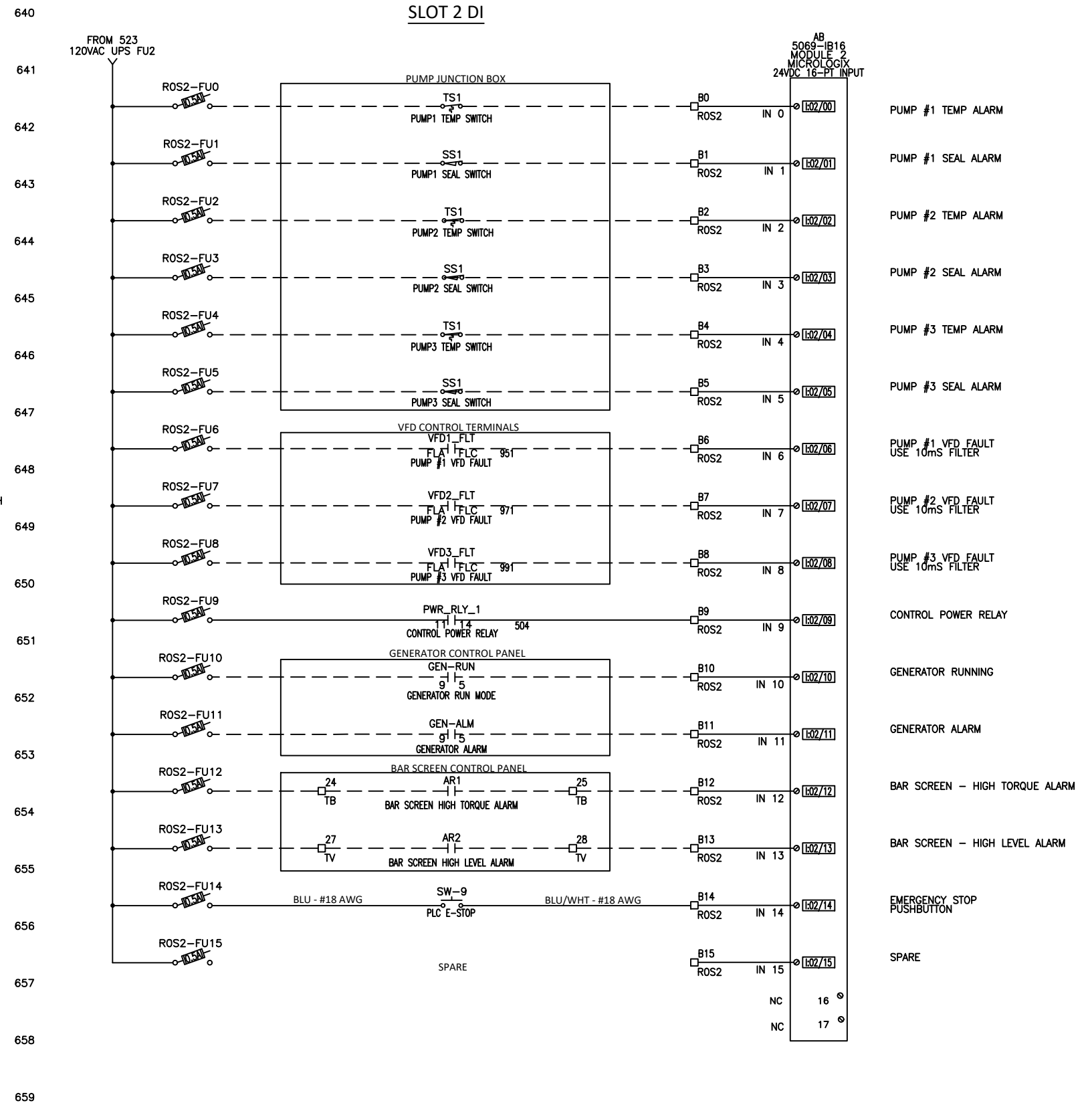
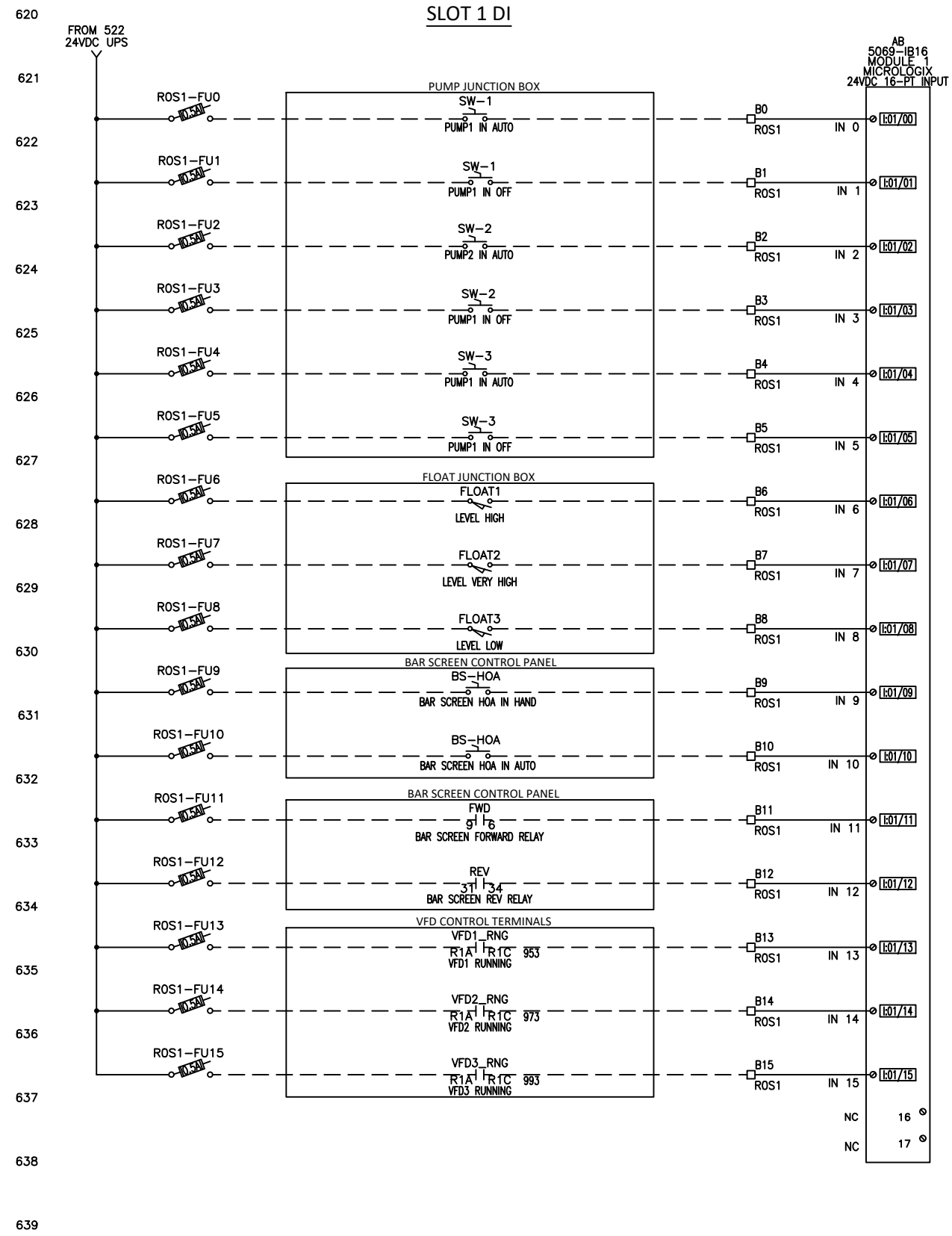
DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



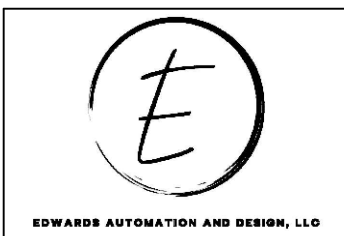
PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: RACK 0 SLOT 0 PROCESSOR	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E003



DAP	DESIGN	04/24
BY	REVISIONS	DATE

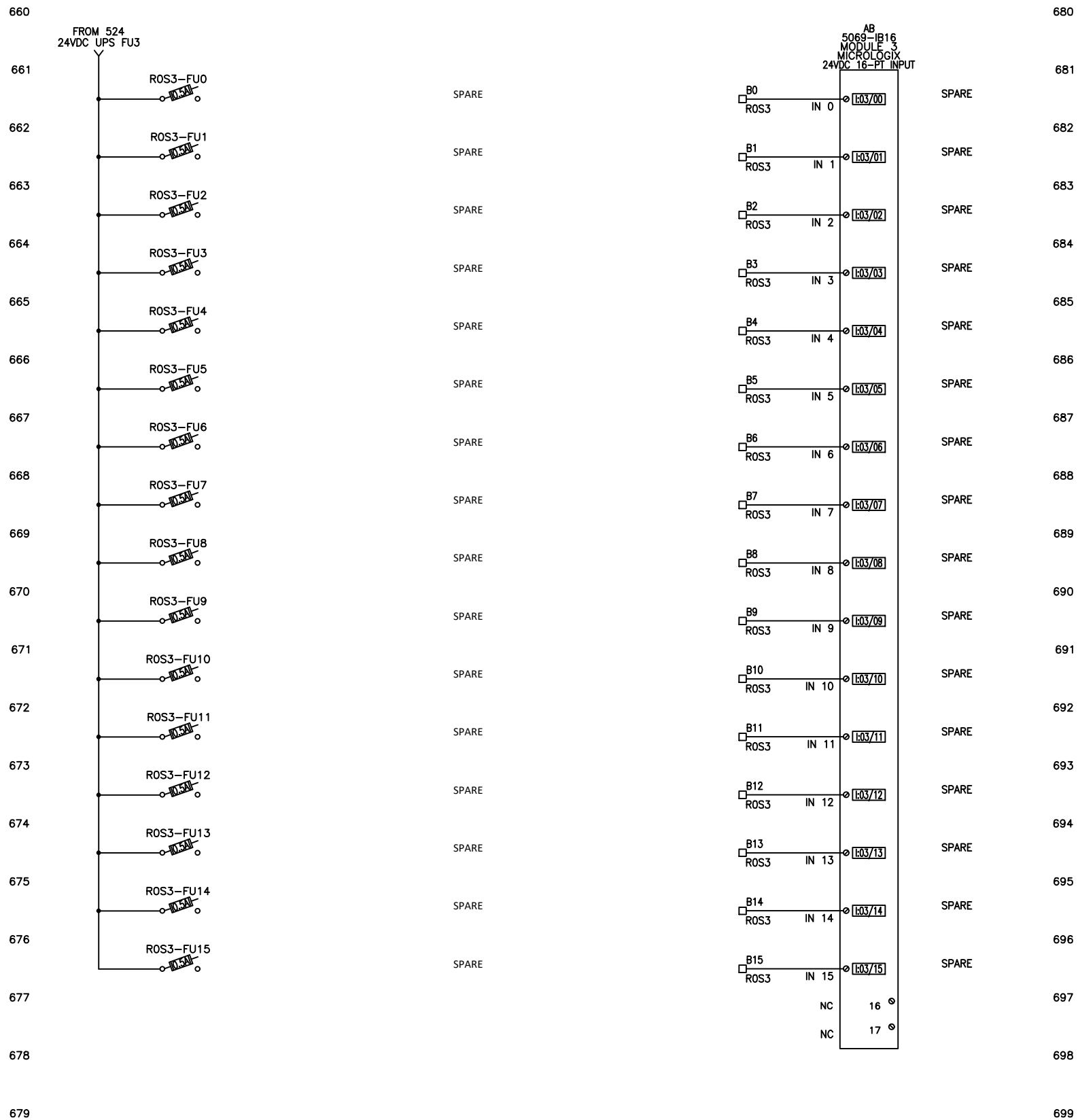
DWG REF.	.
.....\DWG\DWG\1\app\Bris\Local\Temp\city-aztec.jpg	.

DWG BY:	DAP	CHK'D BY:	BRE
DATE:	04/15/24	SHEET:	1 OF 1
CLIENT:	CITY OF AZTEC		



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: RACK 0 SLOTS 1 AND 2 DIGITAL INPUT DETAILS	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E004

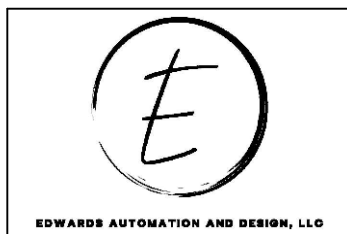
SLOT 3 DI



DAP	DESIGN	04/24
BY	REVISIONS	DATE

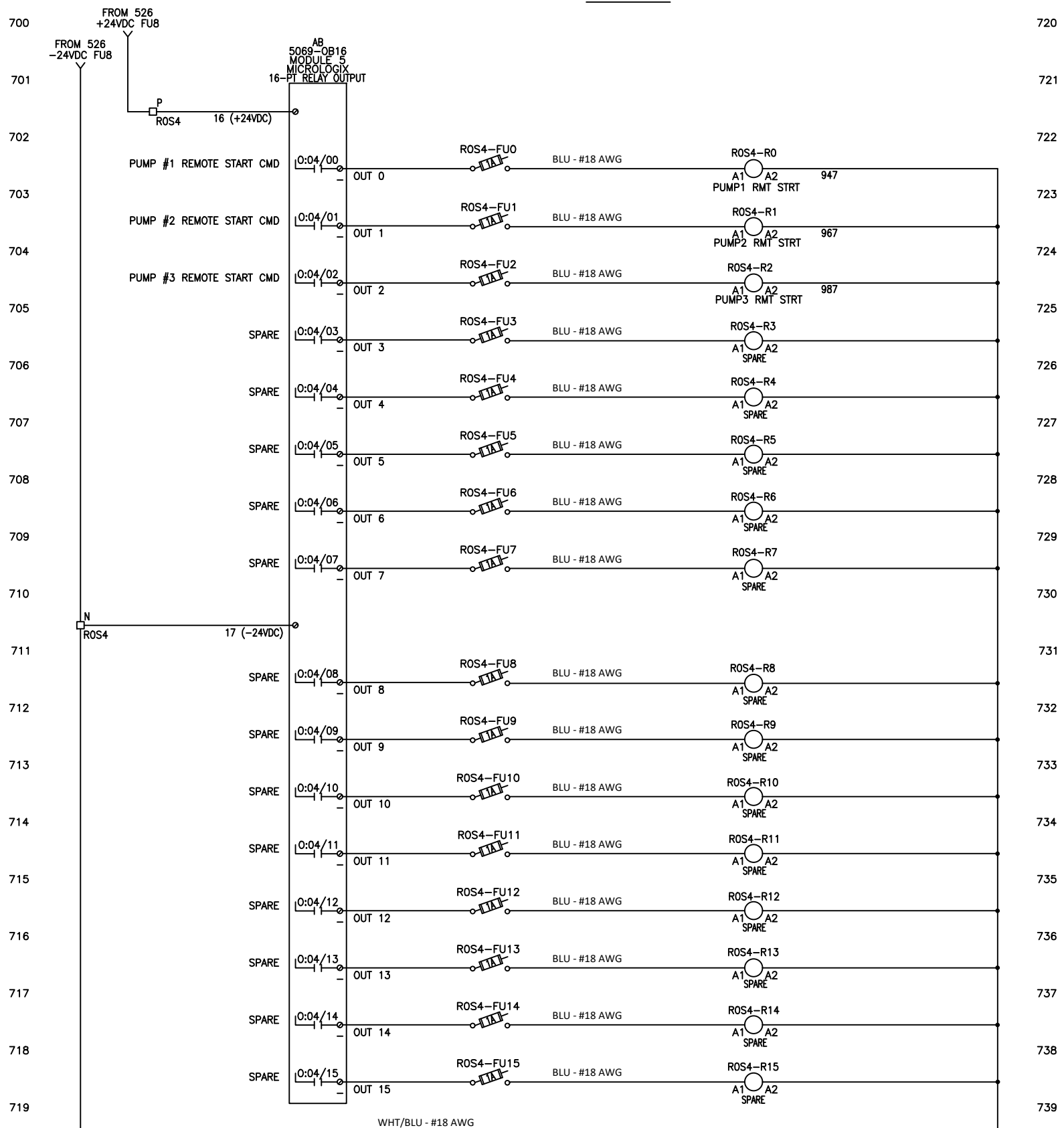
DWG REF.	.
	.
	.
	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: RACK 0 SLOT 3 DIGITAL INPUT DETAILS	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E005

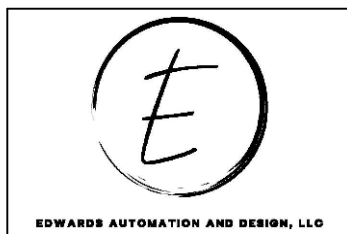
SLOT 4 DO



DAP	DESIGN	04/24
BY	REVISIONS	DATE

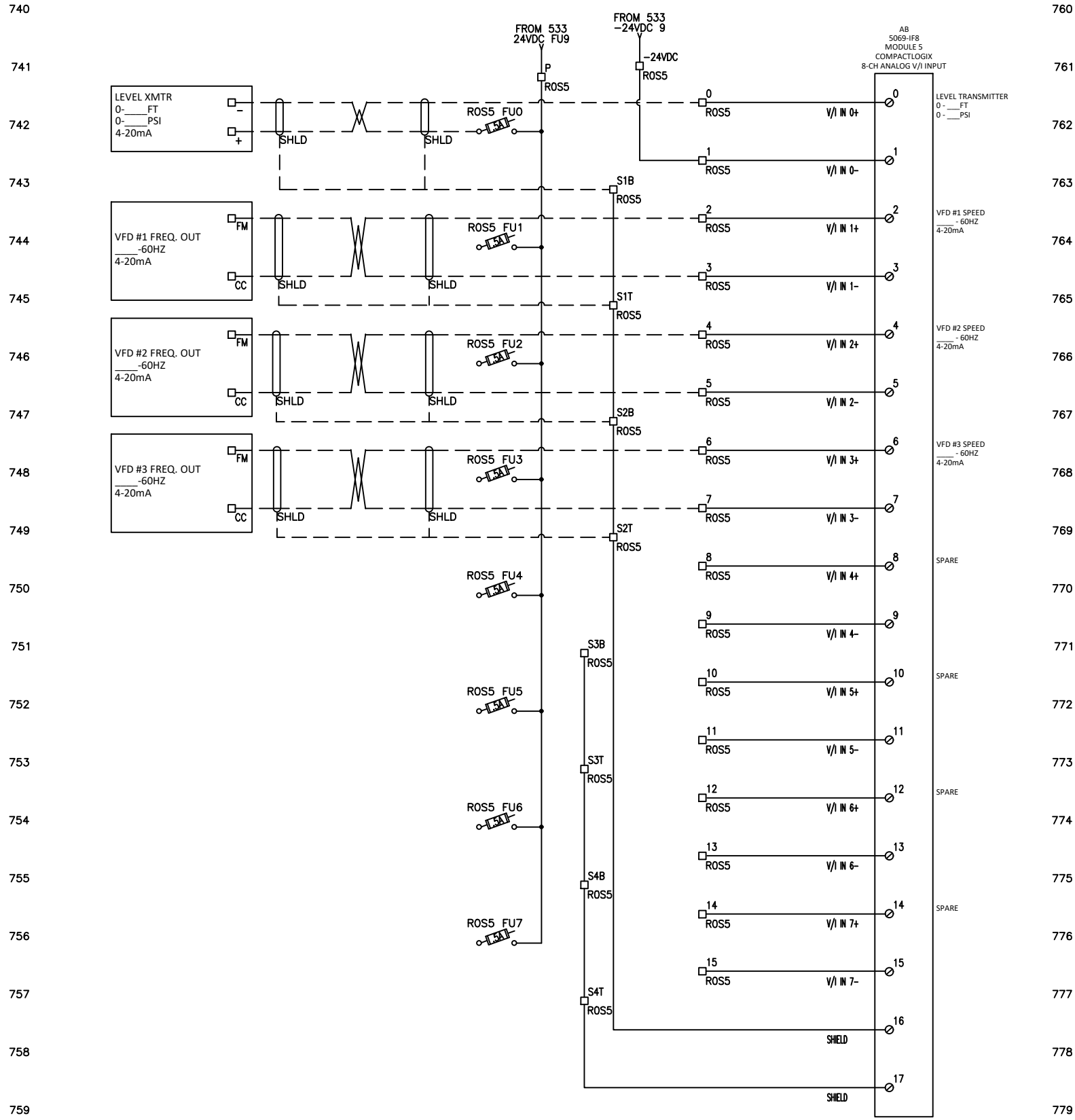
DWG REF.	.
.....\DWG\ENR\Fig\Bldg\Local\Temp\city-aztec.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: RACK 0 SLOT 4 DIGITAL OUTPUT DETAILS	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E006

SLOT 5 AI

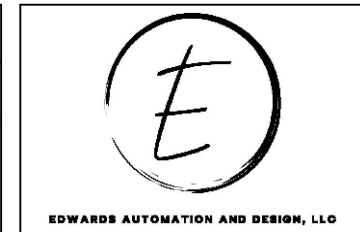


NOTE: V/I IN 0...7- INTERNALLY CONNECTED

DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
.....\SWP\1\apps\1\local\Temp\city-aztec.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	

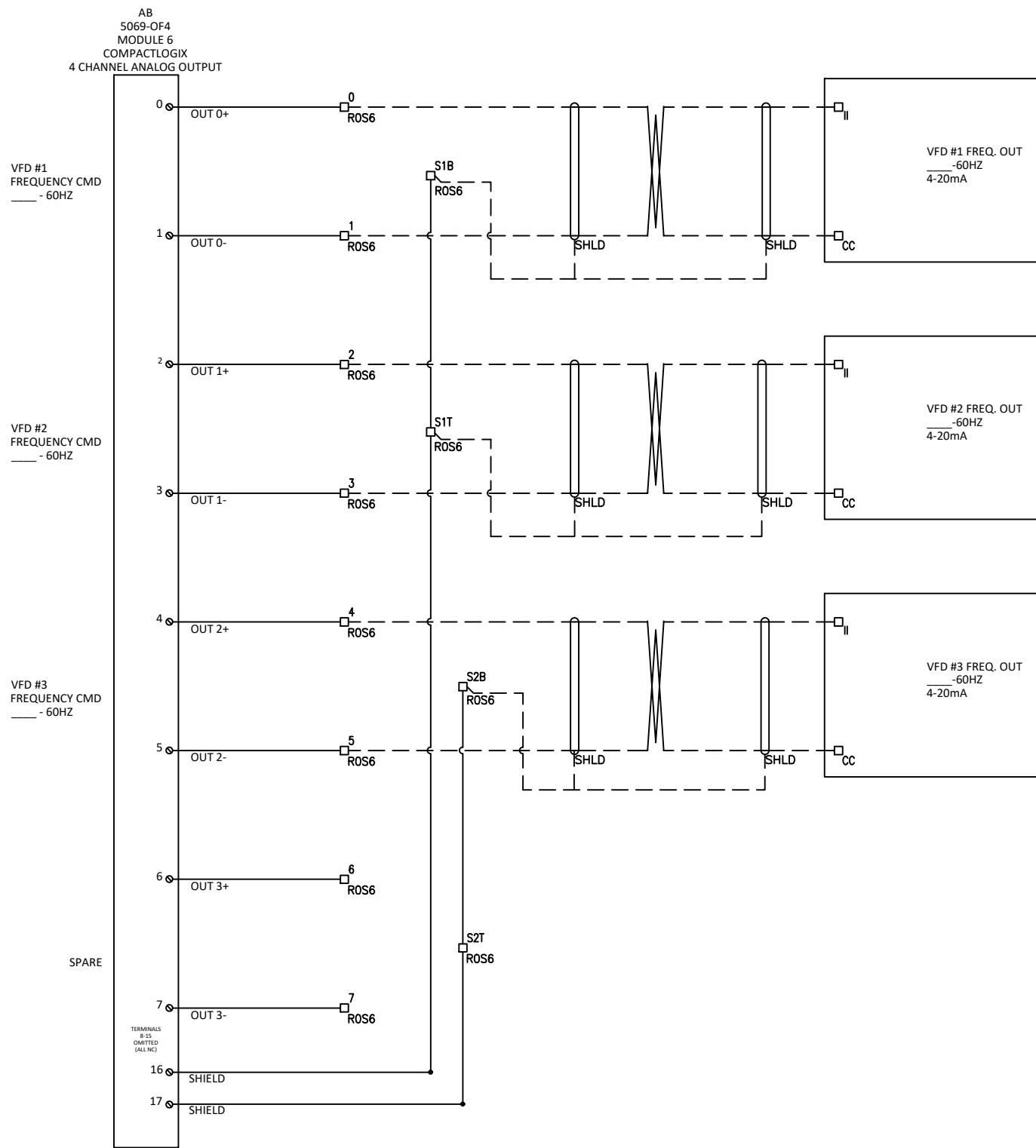


PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: RACK 0 SLOT 5 ANALOG INPUT DETAILS	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E007

SLOT 6 AO

780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799

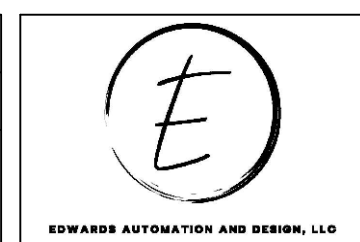
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819



DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

DWG BY:	DAP	CHK'D BY:	BRE
DATE:	04/15/24	SHEET:	1 OF 1
CLIENT:	CITY OF AZTEC		



PROJECT:	AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION:	RACK 0 SLOT 6 ANALOG OUTPUT DETAILS	
SCL:	NTS	DWG NO.
REV:	0	BRE-01170-E008

UNUSED
PAGE

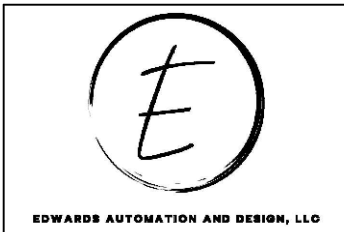
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839

840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859

DAP	DESIGN	04/24
BY	REVISIONS	DATE

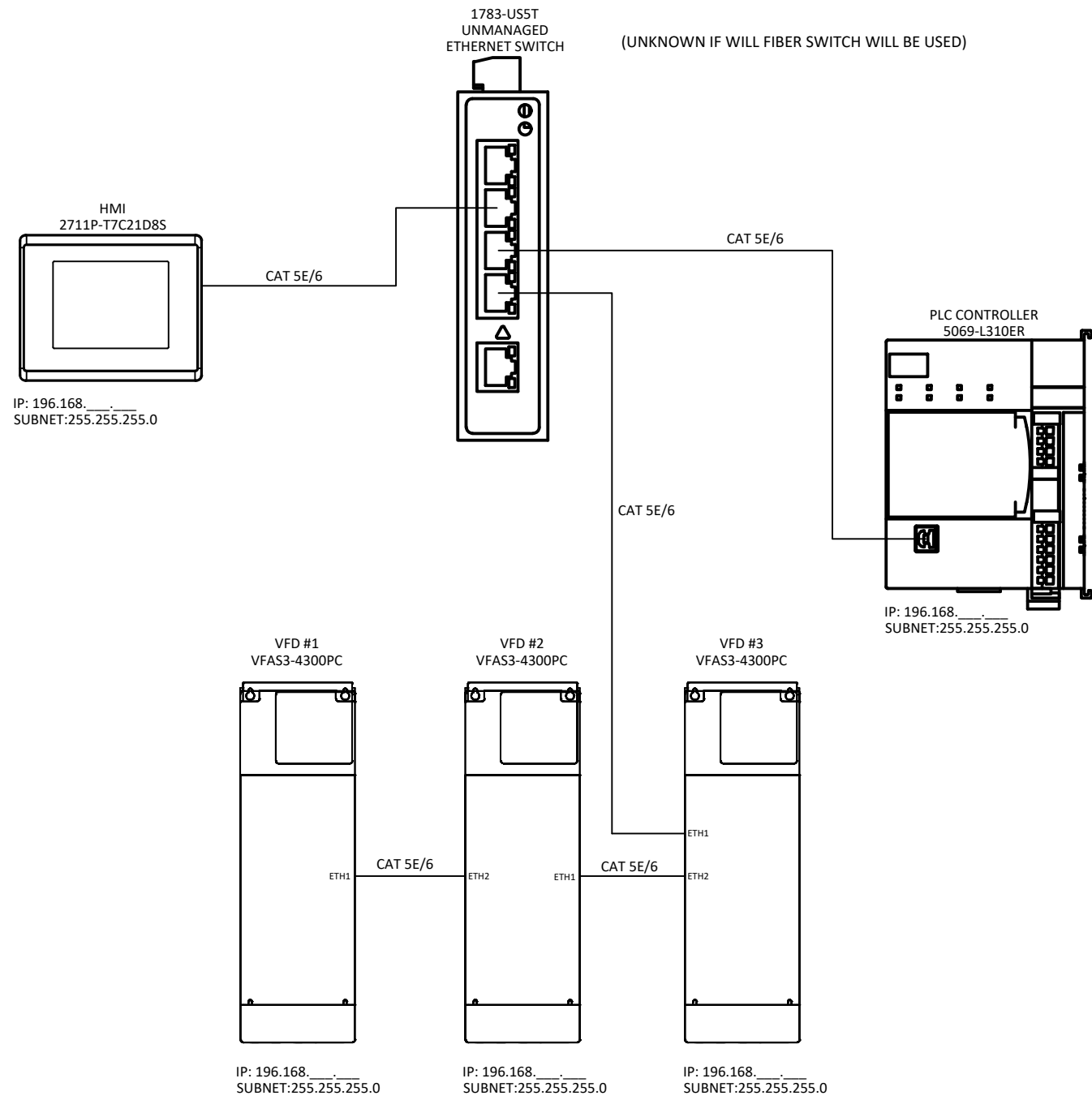
DWG REF.	.
	.
	.
	.
	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/2023	SHEET: 1 OF 1
<i>CLIENT:</i> CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: UNUSED	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E009

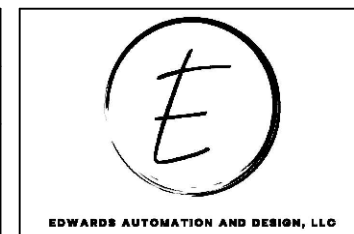
ETHERNET COMMUNICATION



DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
	.
	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: COMMUNICATION DETAIL	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E010

UNUSED
PAGE

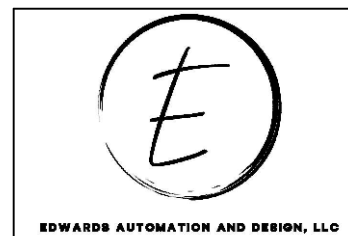
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919

920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939

DAP	DESIGN	04/24
BY	REVISIONS	DATE

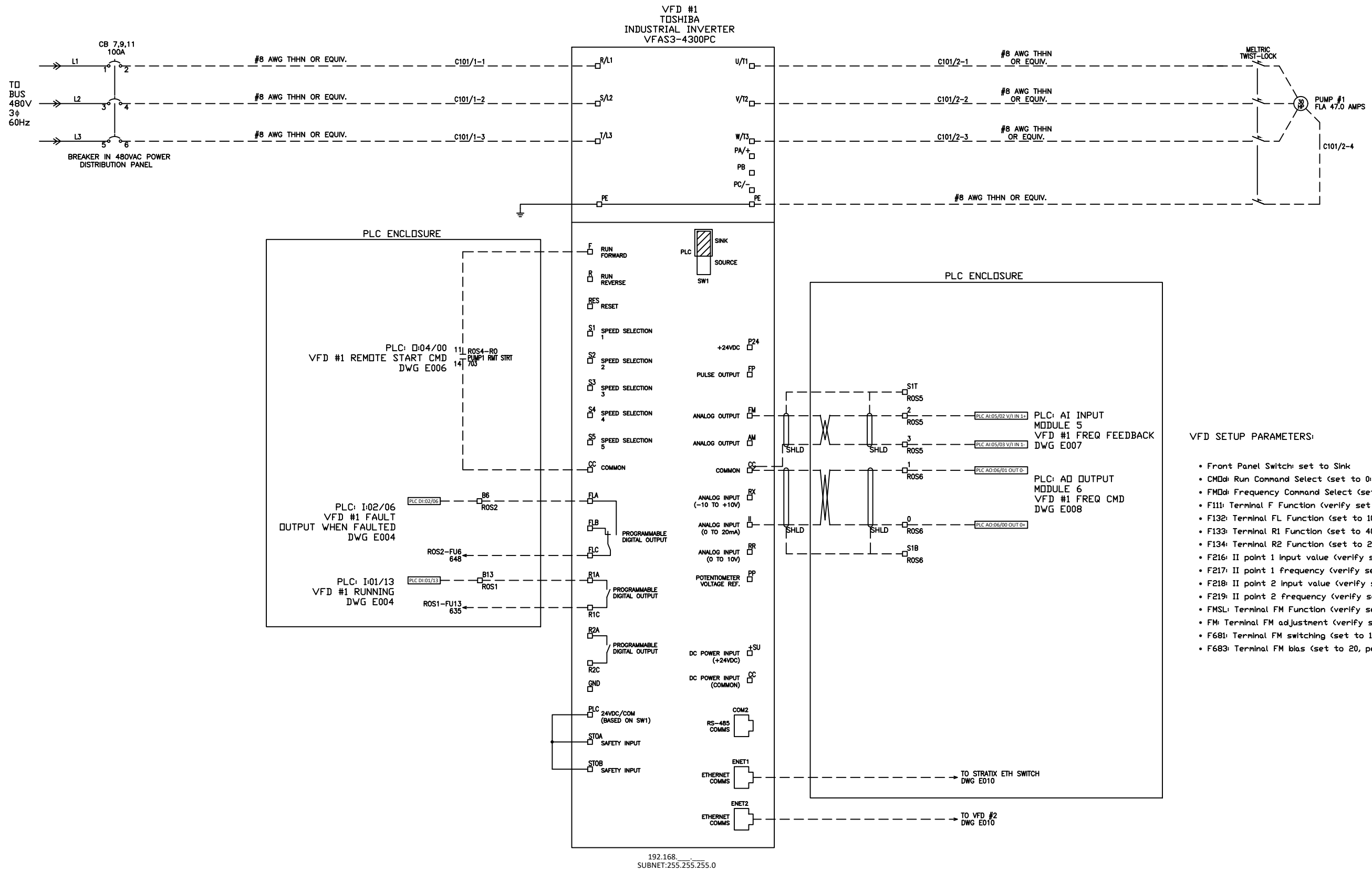
DWG REF.	.
	.
	.
	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: UNUSED	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E011

940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959



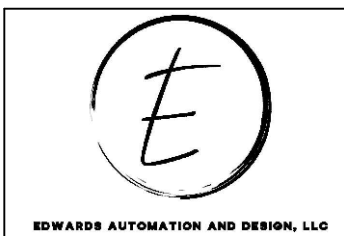
VFD SETUP PARAMETERS:

- Front Panel Switch: set to Sink
- CM0d: Run Command Select (set to 0: Terminal Control)
- FM0d: Frequency Command Select (set to 3: Terminal ID)
- F11i: Terminal F Function (verify set to 2, Fwd Run default)
- F132: Terminal FL Function (set to 10, digital fault output)
- F133: Terminal R1 Function (set to 40, digital run output)
- F134: Terminal R2 Function (set to 254, off)
- F216: II point 1 input value (verify set to 20, Percent default)
- F217: II point 1 frequency (verify set to 0, Hz default)
- F218: II point 2 input value (verify set to 100, Percent default)
- F219: II point 2 frequency (verify set to 60, Hz default)
- FMSL: Terminal FM Function (verify set to 0, output frequency, default)
- FM: Terminal FM adjustment (verify set to 100, percent default)
- F68i: Terminal FM switching (set to 1, current output, 0-20mA)
- F683: Terminal FM bias (set to 20, percent offset)

DAP	DESIGN	04/24
BY	REVISIONS	DATE

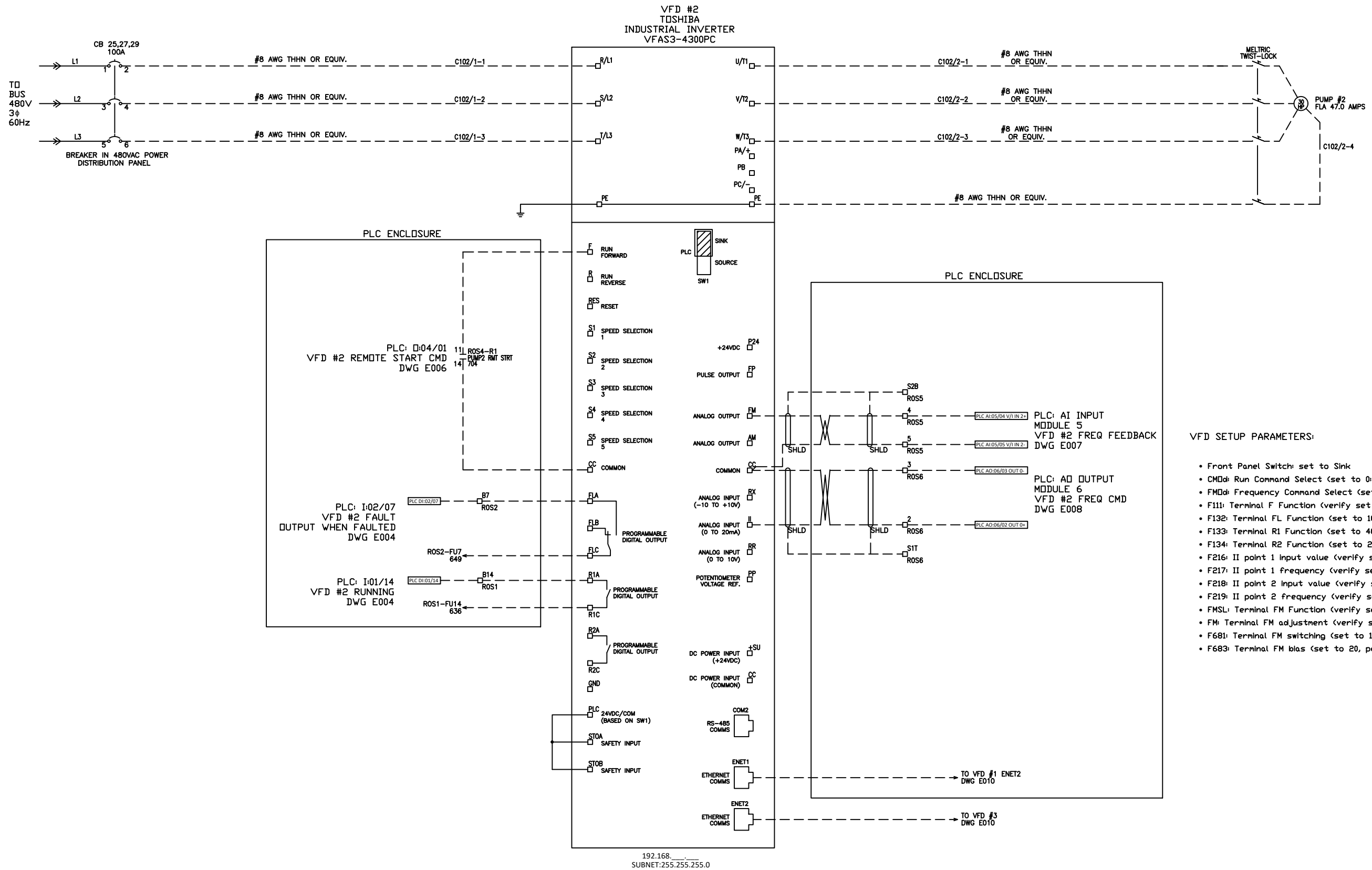
DWG REF.	.
.....\DWG\DWG\1\Map\Bris\Local\Temp\city-arcac.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: VFD #1 DETAIL SCHEMATIC	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E012

960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979



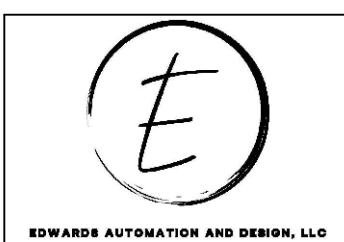
VFD SETUP PARAMETERS:

- Front Panel Switch: set to Sink
- CMd: Run Command Select (set to 0: Terminal Control)
- FMd: Frequency Command Select (set to 3: Terminal II)
- F11: Terminal F Function (verify set to 2, Fwd Run default)
- F13: Terminal R1 Function (set to 40, digital run output)
- F134: Terminal R2 Function (set to 254, off)
- F216: II point 1 input value (verify set to 20, Percent default)
- F217: II point 1 frequency (verify set to 0, Hz default)
- F218: II point 2 input value (verify set to 100, Percent default)
- F219: II point 2 frequency (verify set to 60, Hz default)
- FMSL: Terminal FM Function (verify set to 0, output frequency, default)
- FM: Terminal FM adjustment (verify set to 100, percent default)
- F681: Terminal FM switching (set to 1, current output, 0-20mA)
- F683: Terminal FM bias (set to 20, percent offset)

DAP	DESIGN	04/24
BY	REVISIONS	DATE

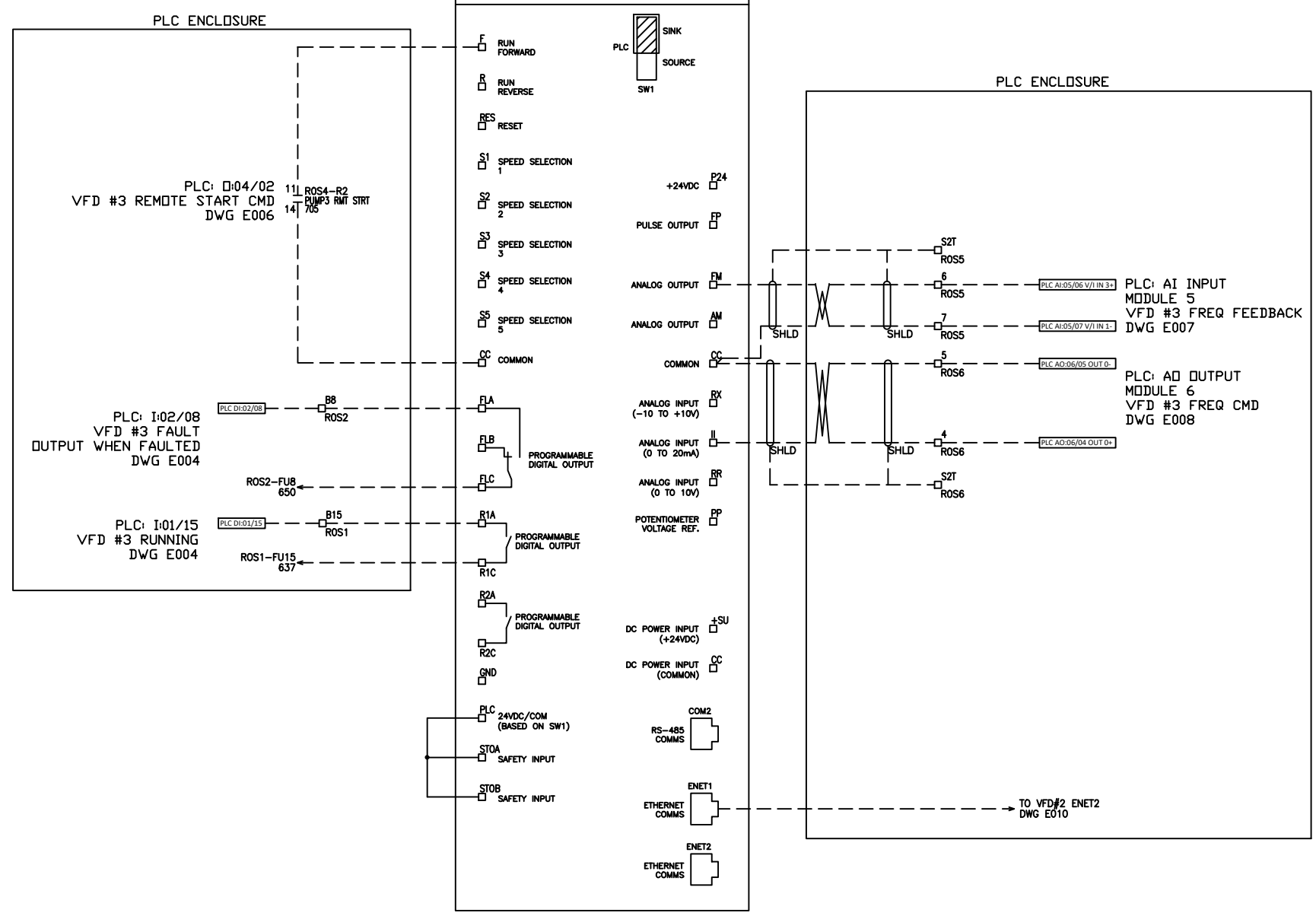
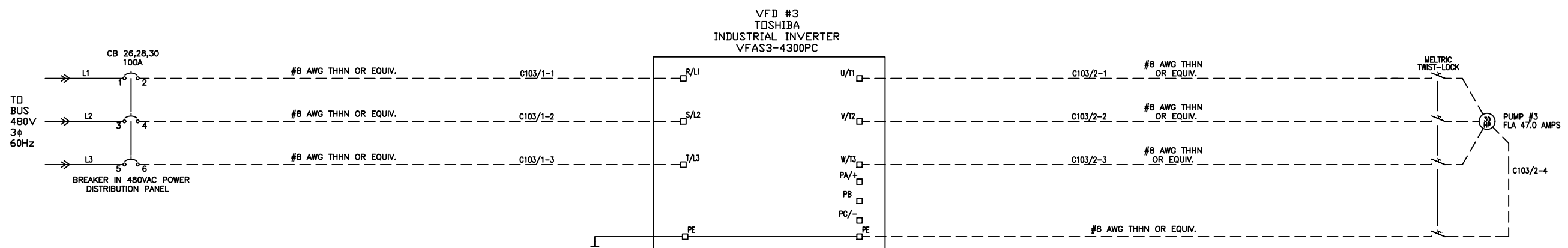
DWG REF.	.
.....\DWG\DWG\1\MapData\Local\Temp\city-aztec.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: VFD #2 DETAIL SCHEMATIC	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E013

980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999

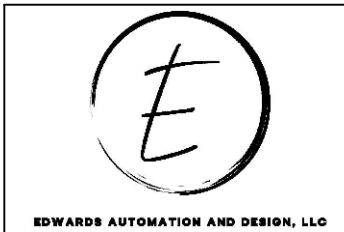


- VFD SETUP PARAMETERS:
- Front Panel Switch: set to Sink
 - CMDd: Run Command Select (set to 0: Terminal Control)
 - FMDd: Frequency Command Select (set to 3: Terminal II)
 - F111: Terminal F Function (verify set to 2, Fwd Run default)
 - F132: Terminal FL Function (set to 10, digital fault output)
 - F133: Terminal R1 Function (set to 40, digital run output)
 - F134: Terminal R2 Function (set to 254, off)
 - F216: II point 1 input value (verify set to 20, Percent default)
 - F217: II point 1 frequency (verify set to 0, Hz default)
 - F218: II point 2 input value (verify set to 100, Percent default)
 - F219: II point 2 frequency (verify set to 60, Hz default)
 - FMSL: Terminal FM Function (verify set to 0, output frequency, default)
 - FM: Terminal FM adjustment (verify set to 100, percent default)
 - F681: Terminal FM switching (set to 1, current output, 0-20mA)
 - F683: Terminal FM bias (set to 20, percent offset)

DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
.....\DWG\APP\Temp\city-aztec.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: VFD #3 DETAIL SCHEMATIC	
SLC: NTS	DWG NO.
REV: 0	BRE-01170-E014

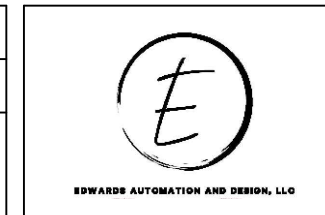
UNUSED
PAGE

1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019

DAP	DESIGN	04/24
BY	REVISIONS	DATE

DWG REF.	.
	.
.....\MVEP\1-AppData\Local\Temp\city-aztec.jpg	.

DWG BY: DAP	CHK'D BY: BRE
DATE: 04/15/24	SHEET: 1 OF 1
CLIENT: CITY OF AZTEC	



PROJECT: AZTEC LLANO LIFT STATION UPDATE	
DESCRIPTION: UNUSED	
SCL: NTS	DWG NO.
REV: 0	BRE-01170-E015