

**SOLANO COMMUNITY COLLEGE DISTRICT
GOVERNING BOARD AGENDA ITEM**

TO: Members of the Governing Board

**SUBJECT: CHANGE ORDER #5 TO MATRIX HG INC. FOR THE
FAIRFIELD CAMPUS CENTRAL PLANT REPLACEMENT
PROJECT**

REQUESTED ACTION:

☐ Information OR ☒ Approval
☐ Consent OR ☒ Non-Consent

SUMMARY: Board approval is requested for Change Order #5 to Matrix HG Inc., for the Fairfield Campus Central Plant Replacement Project. On May 3, 2023, the Board approved an agreement with Matrix HG, Inc. for the Fairfield Campus Central Plant Replacement Project.

CONTINUED ON THE NEXT PAGE

STUDENT SUCCESS IMPACT:

- ☐ Help our students achieve their educational, professional and personal goals
☐ Basic skills education
☐ Workforce development and training
☐ Transfer-level education
☒ Other: Provide infrastructure that supports classrooms or related College facilities

Ed. Code: NA Board Policy: NA Estimated Fiscal Impact: \$334,406.27 Measure Q Funds

SUPERINTENDENT'S RECOMMENDATION:

☒ APPROVAL ☐ DISAPPROVAL
☐ NOT REQUIRED ☐ TABLE

Susan Wheet
Vice President, Finance & Administration

PRESENTER'S NAME

4000 Suisun Valley Road
Fairfield, CA 94534

ADDRESS

(707) 864-7209

TELEPHONE NUMBER

Susan Wheet
Vice President, Finance & Administration

VICE PRESIDENT APPROVAL

August 22, 2025

**DATE SUBMITTED TO
SUPERINTENDENT-PRESIDENT**

Kellie Sims Butler, Ph.D.
Superintendent-President

September 3, 2025

**DATE APPROVED BY
SUPERINTENDENT-PRESIDENT**

**SOLANO COMMUNITY COLLEGE DISTRICT
GOVERNING BOARD AGENDA ITEM**

TO: Members of the Governing Board

**SUBJECT: CHANGE ORDER #5 TO MATRIX HG INC. FOR THE
FAIRFIELD CAMPUS CENTRAL PLANT REPLACEMENT
PROJECT**

SUMMARY:

CONTINUED FROM THE PREVIOUS PAGE

During the process of construction and Request for Information (RFI)/Submittal review, the following changes needed to be made:

- COR 41R1: Field Instruction #07 provided direction on necessary repairs to existing High Point Air Vents (HPAV) at two locations. The General Contractor will invert the HPAV(s) near Substation #3 and South of Building 1800B. The HPAV(s) at these two locations have failed and will be eliminated. This was not included in the original scope of the project.
- COR 42: The Controls Contractor will perform a Loss of Power Test for the new equipment associated with the Central Plant Project. This testing will be performed in order to make sure all equipment starts up properly after an unplanned electrical shutdown. This was not included in the original scope of the project.

Matrix HG Inc.'s Change Order #5 request includes all costs for time and materials for the above listed items and an extension to the contract completion date.

Following is a summary of the contract and impact of Change Order #5 if approved:

Original Contract Sum	\$ 8,409,836.64
Approved Change Orders	\$ 2,182,397.87
<i>Proposed Change Order #5</i>	<u>\$ 334,406.27</u>
<i>Proposed New Contract Amount</i>	\$ 10,926,640.78

The Board is asked to approve Change Order #5 to Matrix HG Inc., in the amount of \$334,406.27 and to extend the contract term. This Change Order cost will be assigned to the Hydronic Vault Repairs Project.

This document is available online at: <https://welcome.solano.edu/measureq/approved-contracts/>



Change Order

Solano Community College District

4000 Suisun Valley Road
Fairfield, CA 94534
Tel: 707-864-7189 Fax: 707-646-7710

Kitchell CEM

4000 Suisun Valley Road, Building 1102
Fairfield, CA 94534

Change Order # 005

Project No.: 23-005

Date: 9/3/2025

DSA File No.: 48-C1

DSA App. No.: 02-120584

Project: Solano Community College District
Fairfield Campus
CENTRAL PLANT REPLACEMENT PROJECT

Salas O'Brien
305 South 11th, Street
San Jose, California, 95112

To: Matrix HG Inc
115 Mason Circle
Concord, CA 94520

The Contract is Changed as Follows:

COR No.

- 41R1 Field Instruction #07 provided direction on repairs to the High Point Air Vents (HPAV) near Substation #3 and South of Building 1800B. All work associated with the Field Instruction is included in this cost. In general, this work is to invert the HPAVs under the existing utilities and ultimately remove the HPAVs. Cost includes all rentals, temporary equipment, labor, materials, and any equipment needed to complete the work. Earthwork being completed by ALB will be tracked as Time & Material Not-to-Exceed. A follow-up change order will be issued for any changes. Rental of a Temp Chiller to service Buildings 1800A & 1800B is included for the duration of the work. General Contractor is required to coordinate work with Contractors working on the Sand Volleyball Project that is currently under construction.

\$321,158.81

- 42 Controls Subcontractor to perform a Loss of Power Test(s) for equipment associated with the Central Plant Replacement Project. Testing to be conducted over (2) nights. This was not included in the original scope.

\$13,247.46

TOTAL COST OF CHANGE ORDER

ADD \$334,406.27

DEDUCT \$0.00

FINAL CHANGE ORDER AMOUNT

\$334,406.27

Original Contract Sum:	\$ 8,409,836.64
Total change By Previous Change Orders:	\$ 2,182,397.87
Contract Sum Prior to This Change Order:	\$ 10,592,234.51
Original Contract Sum will be Increased by This Change Order:	\$334,406.27
The New Contract Sum Including This Change Order Will Be:	\$ 10,926,640.78
The New Contract Completion Date Will Be:	19-Dec-25
Contract Time Will be Changed by This Change Order:	98 Days
The Current Contract Completion Date is:	12-Sep-25

The undersigned Contractor approved the foregoing as to the changes, if any, to the Contract Price specified for each item, and as to the extension of time allowed, if any, for completion of the entire work as stated therein, and agrees to furnish all labor, materials and services and perform all work necessary to complete any additional work specified for the consideration stated therein. Submission of sums which have no basis in fact or which Contractor knows are false are at the sole risk of Contractor and may be a violation of the False Claims Act set forth under Government Code section 12650 et seq.

This change order is subject to approval by the governing board of this District and must be signed by the District. Until such time as this change order is approved by the District's governing board and executed by a duly authorized District representative, this change order is not effective and not binding.

It is expressly understood that the compensation and time, if any, granted herein represent a full accord and satisfaction for any and all time and cost impacts of the items herein, and Contractor waives any and all further compensation or time extension based on the items herein. The value of the extra work or changes expressly includes any and all of the Contractor's costs and expenses, and its subcontractors, both direct and indirect, resulting from additional time required on the project or resulting from delay to the project including without limitation, cumulative impacts. Any costs, expenses, damages or time extensions not included are deemed waived.

[SIGNATURES ON FOLLOWING PAGE]

**PROJECT
MANAGER**

Noe Ramos
Kitchell
4000 Suisun Valley Road
Fairfield, CA 94534

Date: _____

DESIGN TEAM

Evan Sarver, PE
Salas O'Brien
305 South 11th, Street
San Jose, California, 95112

Date: _____

**DSA PROJECT
INSPECTOR**

Don Dumford
Optima Inspections Inc.
622 Paradise Court
Fairfield, CA 94533

Date: _____

CONTRACTOR

Matt Stimson
Matrix HG, Inc.
115 Mason Circle
Concord, CA 94520

Date: _____

OWNER

Solano Community College District
4000 Suisun Valley Road
Fairfield, CA 94534

Date: _____



Solano Community College District
4000 Suisun Valley Rd
Fairfield, Ca. 94533

Project Name: Central Plant Replacement Project
Project Address: 4000 Suisun Valley Rd
RE: MHG CO 230477-41R1 – Field Instruction #07 Hydronic Offset Repairs

Dear Noe,

Matrix is pleased to submit herewith our scope adjustment proposal for the above referenced project. Change in work (A thru C) arose from the issued Field Instruction #07 which was generated to eliminate High Point Air Vents behind Substation #3 and in front of Bldg 1800.

Scope of Work Description:

- (A) Substation #3
 - Due to the nature of work being below ground, the time constraints with the Volleyball Project, with the unknown condition of the existing pipe, along with the intent to route these utilities below other existing utilities, we do not recommend assuming to cut out, invert, and “re-use” the existing piping. We are assuming full demo and replacement of these lines in this quote.
 - Excavate around and expose UG Hydronic lines to anticipated POC on each side of high points.
 - Remove insulation and confirm pipe conditions for POC’s and line stops.
 - Install Line Stops on chilled water lines.
 - Cut, drain, and demo existing hydronic high points.
 - Install weld neck flange on steel CHWS and PVC cap on PVC CHWR.
 - Restore pressure to chilled water system, check for leaks, bleed air from system.
 - Perform excavations for routing piping below existing utilities.
 - Install shoring and provide temporary support of existing undermined utilities.
 - Measure, cut, prep, pre-fabricate welded and PVC HHW and CHW lines.
 - Install bedding and HHW and CHW piping in the trench and make final connections on HHW.
 - Re-install line stops on Chilled lines, cut out flange and cap, make final connections.
 - Close valves in the Bldg 1800 vault and fill systems.
 - Check for leaks and bleed air.
 - Paint exposed joints.
 - Install o’lets and pressure gauges on existing piping in Bldg 1800 vault for pressure readings.
 - Perform service test for open exposed lines.
 - Install insulation fittings and end cut kits.
 - Backfill with sand to 12” above piping. Native soil compacted up to grade.
 - Provide Protective Fencing around work area.
 - Provide dewatering as needed.



- (B) Bldg 1800 Vault Repairs
 - Excavate around and expose UG Hydronic lines to anticipated POC on each side of high points.
 - Remove insulation and confirm pipe conditions for POC's.
 - Cut, drain, and demo existing hydronic high points.
 - Chip out remaining concrete encasement around existing utilities as needed for new pipe route.
 - Perform excavations for routing piping below existing utilities.
 - Install shoring and provide temporary support of existing undermined utilities.
 - Measure, cut, prep, pre-fabricate welded and PVC HHW and CHW lines.
 - Install bedding and HHW and CHW piping in the trench and make final connections on HHW and CHW.
 - Open valves in the Bldg 1800 vault and fill systems.
 - Check for leaks and bleed air.
 - Paint exposed joints.
 - Perform service test for open exposed lines.
 - Install insulation fitting and end cut kits.
 - Backfill with sand to 12" above piping. Native soil compacted up to grade.
 - Install/patch asphalt for excavated area.
 - Provide Protective Fencing around work area.
 - Provide dewatering as needed.
- (C) Bldg 1800 Temporary Cooling
 - Perform 24 hr electrical load test on Bldg 1800A & B to confirm adequate power supply for temporary equipment.
 - Remove existing insulation on CHWS/R risers at 1800A and 1800B.
 - Close valves in vault to isolate Bldg 1800A & 1800B from the loop.
 - Demo pipe and install TEE's with flanged Butterfly valves for temporary equipment connections at the riser for 1800A and 1800B.
 - Install new breaker at Bldg 1800A panel for Temp Chiller equipment.
 - Connect temporary chiller equipment to power and hydronics and bring chilled water to these building back on line.
 - **3 Months of rental is included.**
 - After temporary equipment is removed, replace removed insulation at CHW risers to match existing materials.

Clarifications:

- We assume that the Chilled Water Return at the Substation location is PVC.
- Installation of the temporary piping connections at the Bldg 1800A/B risers is to be performed during off hours.
- We assume the existing electrical infrastructure is adequate to support the Temporary Chiller equipment. We have included a new breaker sized for the equipment selected.
- If assumptions made for electrical service connections or Temporary Equipment change due to existing conditions we reserve the right to re-quote this scope of work.
- Final connections at Substation work location to be performed off hours.
- Provisions for Service Test installed in Bldg 1800 valve vault are to be used for Service Test of both the Substation and Bldg 1800 HPAV repairs.

- The Substation work completion is to be prioritized to mitigate delays to the Volleyball Project.
- The repairs at Bldg 1800 roadway will occur after substantial completion of the Vault Repair Project scope.
- Refer to subcontractor quotes for further clarifications.
- All other work is planned to be performed during regular hours 6:00AM to 2:30PM Monday through Friday.
- We assume that the existing anchors at the Substation location can be re-used.
- Matrix provides a standard installed warranty for (1) year from the owner's beneficial use of the equipment. Matrix does not include warranty for any existing equipment or systems or for work not specifically stated above.

Exclusions:

- Water treatment of this temporary and the existing system is by the district.
- Testing & Balancing of temporary equipment.
- Pre-readings and verification of existing utilities.
- Over time labor except as stated above.
- Modifications, upgrades, or repairs not stated above.
- Correction and troubleshooting of pre-existing problems or code violations.
- Engineering, permit, plan check, special inspections, and certification fees.
- Temporary or supplemental ventilation, heating, and air conditioning.
- Replacement of existing isolation valves that do not hold.
- Utility relocation (plumbing, electrical, fire sprinkler, etc.)
- Ceiling modification, removal, installation, etc.
- Abatement, painting, labeling, valve tags, etc. beyond original contract scope.
- Fire life safety, duct smoke detectors, FSD, fire calk, etc.
- Framing, roofing / weather proofing, electrical, controls, scaffolding, etc.

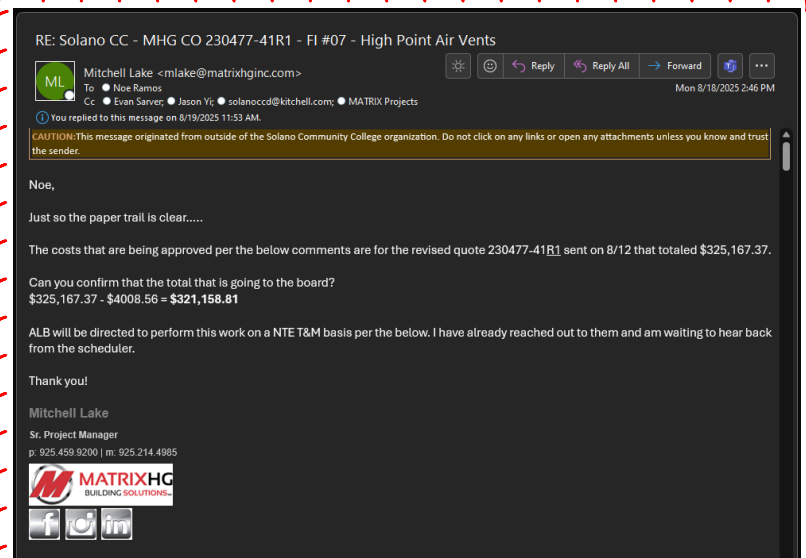
The total cost for the Repairs associated with Field Instruction #07 is: ~~\$325,167.37~~ \$321,158.81

Thank you for the opportunity to present this proposal for your consideration, we look forward to working with you on this project.

Sincerely,

Matrix HG Inc.

Mitchell Lake
Project Manager





Solano Community College Central Plant Modernization

Matrix Job #230477

CHANGE ORDER PROPOSAL SUMMARY SHEET

Owner Ref. No. _____
GC Ref. No. _____

Matrix COR No. 230477-41R1
Date: 8/12/2025
Prepared By: Mitch Lake

Change Order Description: Make repairs to UG hydronics near Substation #3 and in the road in front of Bldg 1800B.

Schedule Impact: **120 days** (this added scope requires an extension of the contract duration)

HVAC Wet - Labor				HVAC Dry - Labor			
Total	Hrs: 561.53			Total	Hrs: 0.00		
Foreman (X1.5) Rate:	\$ 211.51	19.85	\$ 4,198.37	24' - 25' Rates**	Foreman (X1.5) Rate:	232.39	0.00 \$ -
Journeyman (X1.5) Rate:	\$ 199.41	16.24	\$ 3,238.52		Journeyman (X1.5) Rate:	212.09	0.00 \$ -
Foreman Rate:	\$ 167.66	288.99	\$ 48,452.40	24' - 25' Rates**	Foreman Rate:	182.92	0.00 \$ -
Journeyman Rate:	\$ 157.82	236.45	\$ 37,316.22		Journeyman Rate:	169.06	0.00 \$ -
Project Manager:	\$ 125.00	24.00	\$ 3,000.00		Project Manager:	\$ 125.00	0.00 \$ -
Subtotal: \$ 96,205.51				Subtotal: \$ -			

HVAC Wet - Material			HVAC Dry - Material		
Materials:	\$ 29,841.89		Materials:	\$ -	
Cartage:	\$ 1,492.09		Cartage:	\$ -	
8.75% Tax:	\$ 2,611.17		8.75% Tax:	\$ -	
Subtotal: \$ 33,945.15			Subtotal: \$ -		

Subcontractors			Rentals		
Framing/Finishes	\$ -		Rental Equipment:	\$ 33,850.00	
Concrete:	\$ -		Rental Tools:	\$ -	
Balancing:	\$ -		Med Tools:	\$ -	
Painting:	\$ 1,000.00		Other:	\$ 3,200.00	
Electrical:	\$ 7,569.36				
Line Stop:	\$ 19,645.00		8.75% Tax:	\$ 3,241.88	
Hoisting/Rigging:	\$ -		Safety:	\$ -	
Controls:	\$ -				
Insulator:	\$ 16,200.00				
Excavation:	\$ 69,140.00				
Subtotal: \$ 113,554.36			Subtotal: \$ 40,291.88		

Other Costs		
Shop Burden:	\$ -	
Detailing:	\$ -	
Disposal:	\$ -	
Permits:	\$ -	
Consumables:	\$ 2,088.93	
Safety:	\$ -	
Subtotal: \$ 2,088.93		

Total Labor:	\$ 96,205.51
CA WO #16	\$ 4,000.50
Total Material & Equipment:	\$ 74,237.02
Other Costs:	\$ 2,088.93
Subtotal: \$ 176,540.03	

Total Subcontractors:	\$ 113,554.36
Subcontractor MU:	5% \$ 5,677.72
Direct Work OH&P:	15% \$ 26,481.00
Insurance & Bond:	2% \$ 2,914.26

Subtotal: ~~\$ 325,167.37~~ **\$321,158.81**

*TOTAL COST FOR THIS CHANGE ~~\$ 325,167.37~~

I hereby agree to the following costs/extensions and want Matrix to proceed forward with the above change order: X **\$321,158.81**

Quoted cost does not include labor escalation; labor has been priced at the current cost at the time this change was quoted.

(Customer Signature)

*This change estimate is based solely on direct cost elements for the work as specifically noted in the description of the change and as listed and priced in the attached estimate. This change proposal pricing does not include any cost for changes in the sequence of the work, delays, disruptions, rescheduling or acceleration to the work and extended overhead beyond those specific items as listed and priced in this proposal. Further, this change does not include cost impacts due to the cumulative affect of multiple changes on this change, other changes and/or the affect to our base contract work. We expressly reserve the right to compensation and notice of potential claim is made, for any and all of the aforementioned costs and related items noted as not included in this change proposal.

Added Scope Description

Breakdown									
Materials						Labor			
						Shop		Field	
QTY	Size	Description	Unit	\$	Total	Unit	Total	Unit	Total
Substation HPAV's									
Layout & Coordinate Excavation									4.00
Excavate for pipe demo						ALB - See Summary		8.00	
Remove Insulation and Jacketing, clean and inspect existing pipe for (8) POC's									16.00
Perform Line Stops									
1	6"	PVC Line Stop - For Demo		TM - See Summary					4.00
1	6"	STL Line Stop - For Demo		TM - See Summary					6.00
Cut Into and Drain System									4.00
Install Weld Neck Flange and Blind on CHWS/R									
1	6"	Weld Neck Flange	\$	33.79	\$ 33.79			3.50	3.50
1	6"	Blind	\$	32.57	\$ 32.57			1.50	1.50
1	6"	PVC CAP	\$	20.04	\$ 20.04			1.09	1.09
1		Flange & SS Bolt Kits	\$	24.87	\$ 24.87				Incl'd
Demo Heating and Chilled Lines									24.00
Excavate to get pipe below conduits						ALB - See Summary		4.00	
Temporary utility supports						\$ 250.00		4.00	
Verify Existing Utilitiies and coorinate new route and required clearances									4.00
New Piping Installation									
Mobilize Tools and Materials to Work Location									4.00
30	6"	Thermacore Pipe	\$	83.00	\$ 2,490.00				Incl'd
60	4"	Thermacore Pipe	\$	57.00	\$ 3,420.00				Incl'd
5	6"	Joint Kits	\$	156.00	\$ 780.00				By Bayside
10	4"	Joint Kits	\$	132.00	\$ 1,320.00				By Bayside
4	6"	Fitting Kits	\$	295.00	\$ 1,180.00				By Bayside
8	4"	Fitting Kits	\$	210.00	\$ 1,680.00				By Bayside
Thermacore Freight						\$ 1,500.00			Incl'd
4	6"	BLK STL 90	\$	49.36	\$ 197.44				Incl'd
8	4"	BLK STL 90	\$	22.59	\$ 180.72				Incl'd
20	4"	Pipe Welds	\$	7.50	\$ 150.00			2.80	56.00
10	6"	Pipe Welds	\$	9.25	\$ 92.50			3.50	35.00
30	6"	PVC Pipe	\$	18.38	\$ 551.40			0.08	2.40
4	6"	PVC 90	\$	42.56	\$ 170.24			2.09	8.36
2	6"	PVC Coupling	\$	19.43	\$ 38.86			2.06	4.12
2	6"	Restraint Clamps	\$	75.00	\$ 150.00			1.00	2.00
Remove Shoring and Temporary Utility Supports									4.00
1	6"	PVC Line Stop - Final Tie-In		TM - See Summary					
1	6"	STL Line Stop - Final Tie-In		TM - See Summary					
Final Connections									16.00
Fill System & Bleed Air from Bldg High Points									8.00
Service Test (@ Bldg 1800 vault for both locations)									
4	3/4"	Thread o'let	\$	19.57	\$ 78.28			2.35	9.40
4	3/4"	Ball Valve	\$	21.21	\$ 84.84			0.39	1.56
4	3/4"	THD Nipple	\$	1.93	\$ 7.72			0.05	0.20
4		Pressure Guages	\$	14.20	\$ 56.80			0.15	0.60
Day 1 & Day 2 - (2) Men 6 Hrs Ea									12.00
Install insulation						Bayside - See Summary			2.00
Backfill and Install Tracer Tape						\$ 215.00			16.00
Bldg 1800 HPAV's									
Layout & Coordinate Excavation									1.00
Isolate System & Drain								Done w/ Substation HPAV's	
Remove Insulation and Jacketing, clean for (8) POC's									8.00
Demo Heating and Chilled Lines									16.00
Excavate to get pipe below conduits						ALB - See Summary		8.00	
Temporary utility supports						\$ 250.00		8.00	
Verify Existing Utilitiies and coorinate new route and required clearances									2.00
New Piping Installation									
Mobilize Tools and Materials to Work Location									4.00
30	6"	Thermacore Pipe	\$	83.00	\$ 2,490.00				Incl'd
60	4"	Thermacore Pipe	\$	57.00	\$ 3,420.00				Incl'd
5	6"	Joint Kits	\$	156.00	\$ 780.00				By Bayside
10	4"	Joint Kits	\$	132.00	\$ 1,320.00				By Bayside
4	6"	Fitting Kits	\$	295.00	\$ 1,180.00				By Bayside
8	4"	Fitting Kits	\$	210.00	\$ 1,680.00				By Bayside
4	6"	BLK STL 90	\$	49.36	\$ 197.44				Incl'd
8	4"	BLK STL 90	\$	22.59	\$ 180.72				Incl'd
20	4"	Pipe Welds	\$	7.50	\$ 150.00			2.80	56.00
10	6"	Pipe Welds	\$	9.25	\$ 92.50			3.50	35.00
30	6"	PVC Pipe	\$	18.38	\$ 551.40			0.08	2.40

4	6"	PVC 90	\$	42.56	\$	170.24	2.09	8.36
2	6"	PVC Coupling	\$	19.43	\$	38.86	2.06	4.12
2	6"	Restraint Clamps	\$	75.00	\$	150.00	1.00	2.00
1		Form and Pour Anchor Blocks for HHW				ALB - See Summary		4.00
		Remove Shoring and Temporary Utility Supports						4.00
		Final Connections						16.00
		Fill System & Bleed Air from Bldg High Points						4.00
		Service Test (set up already installed)						2.00
		Day 1 & Day 2 - (2) Men 6 Hrs Ea						12.00
		Install Insulation				Bayside - See Summary		2.00
		Backfill and Install Tracer Tape				Incl'd	16.00	
		Asphalt Patching				ALB - See Summary		1.00
		<u>Bldg HPAV Temporary Cooling Connections</u>						
2	4"	BL STL Tee's	\$	22.43	\$	44.86	8.40	16.80
2	3"	BL STL Tee's	\$	15.91	\$	31.82	6.30	12.60
4	4"	BFV's	\$	275.55	\$	1,102.20	2.03	8.12
4	3"	BFV's	\$	226.71	\$	906.84	1.09	4.36
2	4"	Weld Neck Flange	\$	33.79	\$	67.58	2.80	5.60
2	3"	Weld Neck Flange	\$	23.18	\$	46.36	2.10	4.20
8		Flange & SS Bolt Kits	\$	24.87	\$	198.96		Incl'd
		Install Temporary Equipment Connections						16.00
		Remove Insulation						Incl'd
		Isolate @ 1800 Vault and Cut Into risers						Incl'd
		Temporary Chiller Set Up & Rental				See Summary		2.00
		Temporary Chiller Removal				See Summary		2.00
2	4"	Install Blind	\$	22.12	\$	44.24	1.06	2.12
2	3"	Install Blind	\$	21.40	\$	42.80	0.56	1.12
		Insulation Patching @ Risers				Bayside - See Summary		1.00
		Documentation and As-Built Drawings for both locations						4.00
Note: Hours shown in <i>italics</i> indicate work performed off hours.								
Exclusions: We exclude all other work not specifically noted above.								
Subtotal:			\$	29,841.89		0.00		
Straight Time:								525.44
Premium Time:								36.09
TOTAL:			\$	29,841.89				561.53

FIELD INSTRUCTION NO. 07

PROPOSED CHANGE ORDER #: MATRIX – TBD **RFI#:** N/A **SUBMITTAL #:** N/A

TO: KITCHELL/MATRIX/SOLANO CC **FROM:** SALAS O'BRIEN **DATE:** 5/27/2025

SUBJECT/ITEM: FI #07 B-1800B & Substation #3 Hydronic Offset Repair **SPEC REF:** N/A

DESCRIPTION:

THE PURPOSE OF FI #07 IS TO DOCUMENT THE DIRECTION TAKEN FOR THE RECONFIGURATION OF HYDRONIC PIPING OFFSETS AT TWO LOCATIONS: THE OFFSET LOCATED UNDER THE FIRE LANE SERVICE ROAD SOUTH OF BUILDING 1800B (B-1800B) AND THE OFFSET LOCATED IN THE LANDSCAPE NORTHEAST OF SUBSTATION #3.

AT EACH AREA OF WORK, THE <E> HYDRONIC HHW AND CHW PIPING IS CONFIGURED IN AN ELEVATED OFFSET, TO CROSS <E> ELECTRICAL CONDUITS THAT PERPENDICULARLY INTERSECT THE ROUTE OF THE PIPING. THE HYDRONIC OFFSET CONSISTS OF A SERIES OF 90-DEGREE ELBOWS AND STRAIGHT SECTIONS OF PIPE. THE HIGH ELEVATION PIPING IS ASSUMED TO BE APPROXIMATELY 12" BELOW GRADE TO THE TOP OF THE PIPE OUTER JACKET.

MANUAL HIGH POINT AIR VENTS (HPAV) ARE INSTALLED ON THE HIGH ELEVATION SECTION OF THE OFFSET PIPING AT BOTH LOCATIONS TO FACILITATE AIR REMOVAL FROM HIGH POINTS IN THE SYSTEM. HOWEVER, DUE TO RECURRING AND UNFORESEEN FAILURES AT MULTIPLE HPAV LOCATIONS ACROSS CAMPUS, THE AIR VENTS ARE TO BE ELIMINATED AND THE OFFSETS INVERTED BENEATH THE <E> ELECTRICAL CONDUITS.

- A. CAMPUS HHW SYSTEM SHALL BE SHUT DOWN TO CAMPUS PRIOR TO CONDUCTING WORK. CENTRAL PLANT WILL BE ISOLATED, SERVING ONLY POOL HEATING AND B-1700A/B HEATING.
- B. PROVIDE LINSTOPS AT THE CHWS&R SOUTH OF THE HPAV OFFSETS NEAR SUBSTATION #3 PRIOR TO CONDUCTING WORK. THIS WILL ALLOW THE CHW SYSTEM TO REMAIN ONLINE TO THE REST OF CAMPUS, BUT B-1800A&B WILL BE SHUT DOWN FROM CHW. COORDINATE WITH THE DISTRICT FOR TEMPORARY COOLING PROVISIONS (IF ANY).
- C. **B-1800B OFFSET REPAIR:** DUE TO THE PREVIOUS REPAIR EFFORTS AT THIS LOCATION, THE CONDITION OF THE HHW SUPPLY, HHW RETURN, AND CHW SUPPLY (SCH. 40 STEEL) PIPING IS KNOWN TO BE IN GOOD-TO-FAIR CONDITION. THE INTENT IS TO CUT, REMOVE, AND PROTECT THIS PIPING FOR REUSE IN THE INVERTED CONDITION. THE CHW RETURN PIPING OFFSET (PVC BELL & SPIGOT SYSTEM WITH RESTRAINT COUPLINGS IN AS-BUILT CONDITION) IS TO BE DEMOLISHED AND REPLACED IN ITS ENTIRETY.
 - 1. **DEMOLITION:**
 - A. CUT HHWS, HHWR, AND CHWS PIPING AT <E>90-DEGREE ELBOWS LOCATED AT THE <E> LOW ELEVATION PIPING AT THE EAST AND WEST ENDS OF THE HYDRONIC OFFSET. REMOVE AND PROTECT PIPING FOR NEW CONSTRUCTION.
 - B. CUT AND DEMOLISH CHWR PIPING BETWEEN THE <E>90-DEGREE ELBOWS LOCATED AT THE <E> LOW ELEVATION PIPING AT THE EAST AND WEST ENDS OF THE HYDRONIC OFFSET.
 - C. DEMOLISH <E>AIR VENTS INSTALLED AT THE HHWS, HHWR, AND CHWS PIPING.
 - D. EXCAVATE WITH CARE AROUND <E> ELECTRICAL CONDUITS TO 24" BENEATH THE LOWEST CONDUIT. CONTRACTOR TO ASSESS REQUIRED TRENCH DIMENSIONS FOR WELDER CLEARANCES (INTENT IS TO PRE-FABRICATE PIPING TO THE FURTHEST EXTENT POSSIBLE TO LIMIT TRENCH DEPTHS). CONTINUE EXCAVATION AS NEEDED FOR WELDING AND UTILITY CLEARANCE REQUIREMENTS (REFER TO SK-3). REPORT FINAL TRENCH DIMENSIONS TO ENGINEER.
 - E. PROVIDE SHORING AND SAFETY PROVISIONS IN ACCORDANCE WITH OSHA STANDARDS FOR TRENCHING.
 - F. PROVIDE DEWATERING AS NEEDED IF/AS GROUNDWATER IS OBSERVED. RECORD DEPTH AT

WHICH GROUNDWATER IS FIRST OBSERVED AND REPORT TO ENGINEER.

2. NEW WORK:

- A. PROVIDE AND INSTALL PLUGS AT FORMER AIR VENT WELDOLET LOCATIONS.
- B. PRE-FABRICATE PIPING TO THE FURTHEST EXTENT POSSIBLE PRIOR TO PLACEMENT WITHIN THE TRENCH.
 - i. (REUSED) HHWS, HHWR, AND CHWS OFFSET PIPING: STEEL PIPING WITH WELDED JOINTS. CLEAN, PRIME, AND PAINT ALL EXPOSED STEEL PIPING PRIOR TO INSULATION.
 - ii. CHWR OFFSET PIPING: SOLVENT WELDED PVC PIPING, LIKE SIZED, AND LIKE SCHEDULE (SCH. 40 OR 80). PROVIDE PURPLE PRIMER IN ACCORDANCE WITH ASTM F656 AND SOLVENT CEMENT IN ACCORDANCE WITH ASTM D2564. INSTALL IN COMPLIANCE WITH CA MECHANICAL CODE.
- C. PLACE PIPING IN THE TRENCH AND CONFIGURE PIPING OFFSET(S) BENEATH THE <E> ELECTRICAL CONDUITS. MAINTAIN MINIMUM UTILITY CLEARANCE REQUIREMENTS; 12" FOR PERPENDICULAR CROSSINGS. REFER TO SK-3.
- D. COMPLETE FINAL WELDING, CLEANING, PRIMING AND PAINTING PROCEDURES TO COMPLETE THE PIPING SYSTEM.
- E. COORDINATE INSPECTIONS OF FINAL WELDS FOR ACCEPTANCE PRIOR TO INSTALLING INSULATION AND JACKETING.
- F. PROVIDE FIELD INSULATION KITS (THERMACOR) AT FIELD JOINTS WITH LIQUID POUR POLYURETHANE INSULATION AND HDPE HEAT SHRINKABLE JACKETING PER THERMACOR INSTALLATION REQUIREMENTS. INSULATION AND JACKETING REQUIRED FOR HHWS&R, AND CHWS IN COMPLIANCE WITH CA ENERGY CODE.

3. BEDDING, BACKFILL, & SURFACE REPAIRS:

- A. PROVIDE BEDDING AND SELECT BACKFILL IN COMPLIANCE WITH THE DISTRICT STANDARDS, REFER ALSO TO SK-4 ATTACHED. REPAIR SURFACE TO MATCH EXISTING ADJACENT ASPHALT CONCRETE WITH H20 TRAFFIC-RATED ASPHALT CONCRETE.

D. SUBSTATION #3 OFFSET REPAIR

1. DEMOLITION:

- A. CUT AND DEMOLISH HHWS, HHWR, CHWS, AND CHWR PIPING BETWEEN THE <E>90-DEGREE ELBOWS LOCATED AT THE <E> LOW ELEVATION PIPING AT THE NORTH AND SOUTH ENDS OF THE HYDRONIC OFFSET.
- B. LOCATE AND EXCAVATE WITH CARE AROUND <E> ELECTRICAL CONDUITS TO 24" BENEATH THE LOWEST CONDUIT. CONTRACTOR TO ASSESS REQUIRED TRENCH DIMENSIONS FOR WELDER CLEARANCES (INTENT IS TO PRE-FABRICATE PIPING TO THE FURTHEST EXTENT POSSIBLE TO LIMIT TRENCH DEPTHS). CONTINUE EXCAVATION AS NEEDED FOR WELDING AND UTILITY CLEARANCE REQUIREMENTS (REFER TO SK-3). REPORT FINAL TRENCH DIMENSIONS TO ENGINEER.
- C. PROVIDE SHORING AND SAFETY PROVISIONS IN ACCORDANCE WITH OSHA STANDARDS FOR TRENCHING.
- D. PROVIDE DEWATERING AS NEEDED IF/AS GROUNDWATER IS OBSERVED. RECORD DEPTH AT WHICH GROUNDWATER IS FIRST OBSERVED AND REPORT TO ENGINEER.

2. NEW WORK:

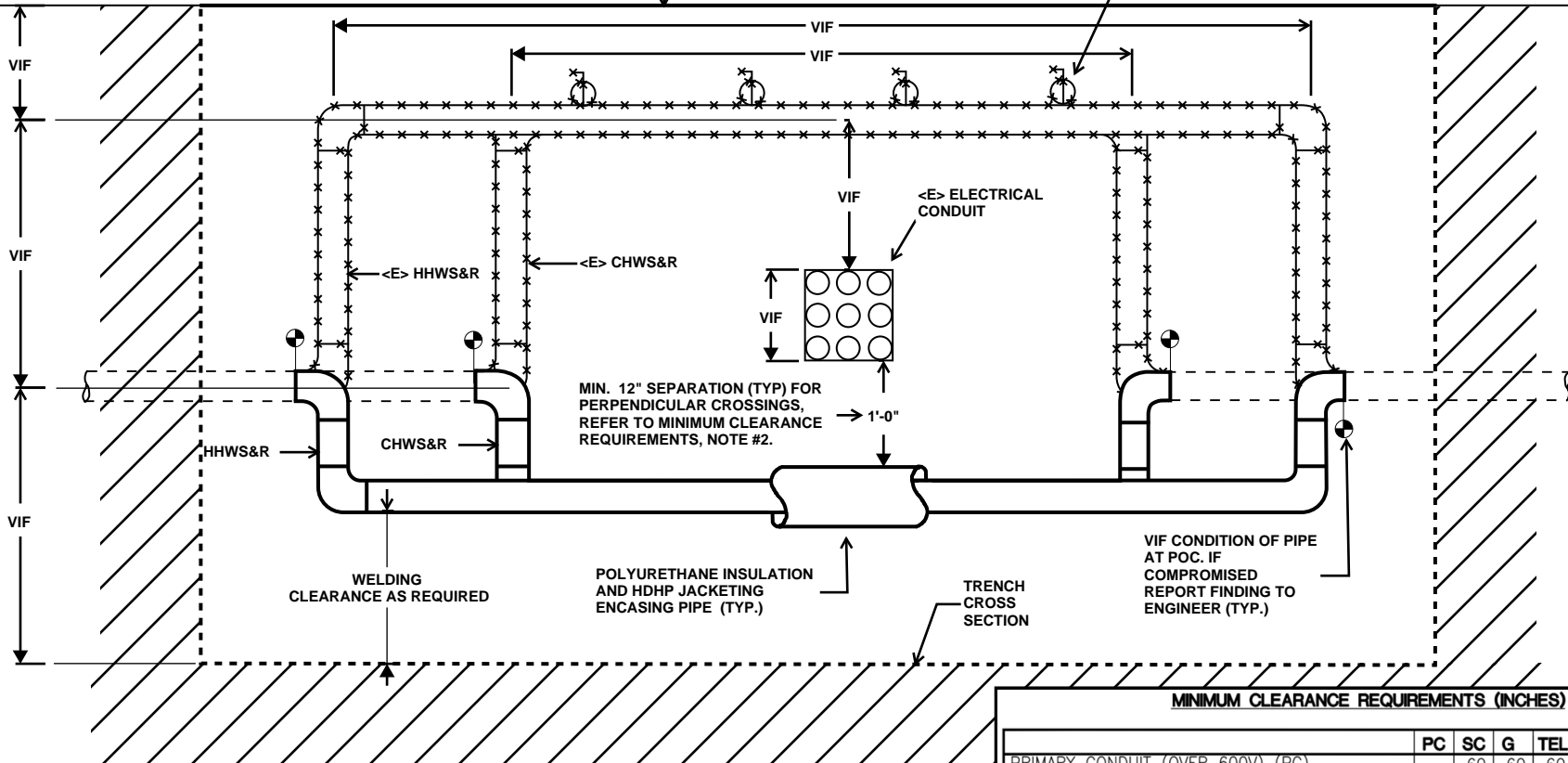
- A. PRE-FABRICATE PIPING TO THE FURTHEST EXTENT POSSIBLE PRIOR TO PLACEMENT WITHIN THE TRENCH.
 - i. HHWS, HHWR, AND CHWS OFFSET PIPING: PREFABRICATED (THERMACOR) STICKS AND FIELD FABRICATED KITS FOR FITTINGS (FERRO-THERM) SCH. 40 STEEL PIPING WITH WELDED JOINTS. CLEAN, PRIME, AND PAINT ALL EXPOSED STEEL PIPING PRIOR TO INSULATION.
 - ii. CHWR OFFSET PIPING: SOLVENT WELDED PVC PIPING, LIKE SIZED, AND LIKE SCHEDULE (SCH. 40 OR 80). PROVIDE PURPLE PRIMER IN ACCORDANCE WITH ASTM F656 AND SOLVENT CEMENT IN ACCORDANCE WITH ASTM D2564. INSTALL IN COMPLIANCE WITH CA MECHANICAL CODE.
- B. PLACE PIPING IN THE TRENCH AND CONFIGURE PIPING OFFSET(S) BENEATH THE <E> ELECTRICAL CONDUITS. MAINTAIN MINIMUM UTILITY CLEARANCE REQUIREMENTS; 12" FOR PERPENDICULAR CROSSINGS. REFER TO SK-3.

ORIGINATOR: SALAS O'BRIEN 5/27/2025
Date

<E> LAND SCAPE
AND/OR HARDSCAPE
(TYP)

REPAIR LANDSCAPE AND/OR HARDSCAPE
TO MATCH ADJACENT <E> SURFACE
CONDITIONS. REFER TO TYPICAL PIPE
BEDDING & BACKFILL DETAIL (SK-4)

<E> HIGH POINT AIR
VENT (HPAV) (TYP)



MINIMUM CLEARANCE REQUIREMENTS (INCHES)

	PC	SC	G	TEL	TV	LV	W
PRIMARY CONDUIT (OVER 600V) (PC)	—	60	60	60	60	60	60
SECONDARY POWER CONDUIT (SC)	60	—	12	12	12	12	36
GAS (G)	60	12	—	12	12	12	36
TELEPHONE (TEL)	60	12	12	—	2	2	36
CATV (TV)	60	12	12	2	—	2	36
OTHER LOW VOLTAGE (LV)	60	12	12	2	2	—	36
WET UTILITIES (W)	60	36	36	36	36	36	—

TABLE ONLY APPLIES TO CONDUITS AFTER THE UTILITY POINT OF CONNECTION.

NOTES:

- UTILITY OWNED AND END-USER CONDUITS AND TRENCH SHALL NOT BE COMBINED.
- PROVIDE 12" SEPARATION WHEN CROSSING "WET" UTILITIES.

DRAWING NTS



Engineered for Impact
305 South 11th Street
San Jose, California 95112-2218
877.725.2755 | 877.925.1477 (f)
WWW.SALASOBRIEN.COM
National Strength.
Local Action.

SOLANO COMMUNITY COLLEGE, 4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534
CENTRAL PLANT MODERNIZATION

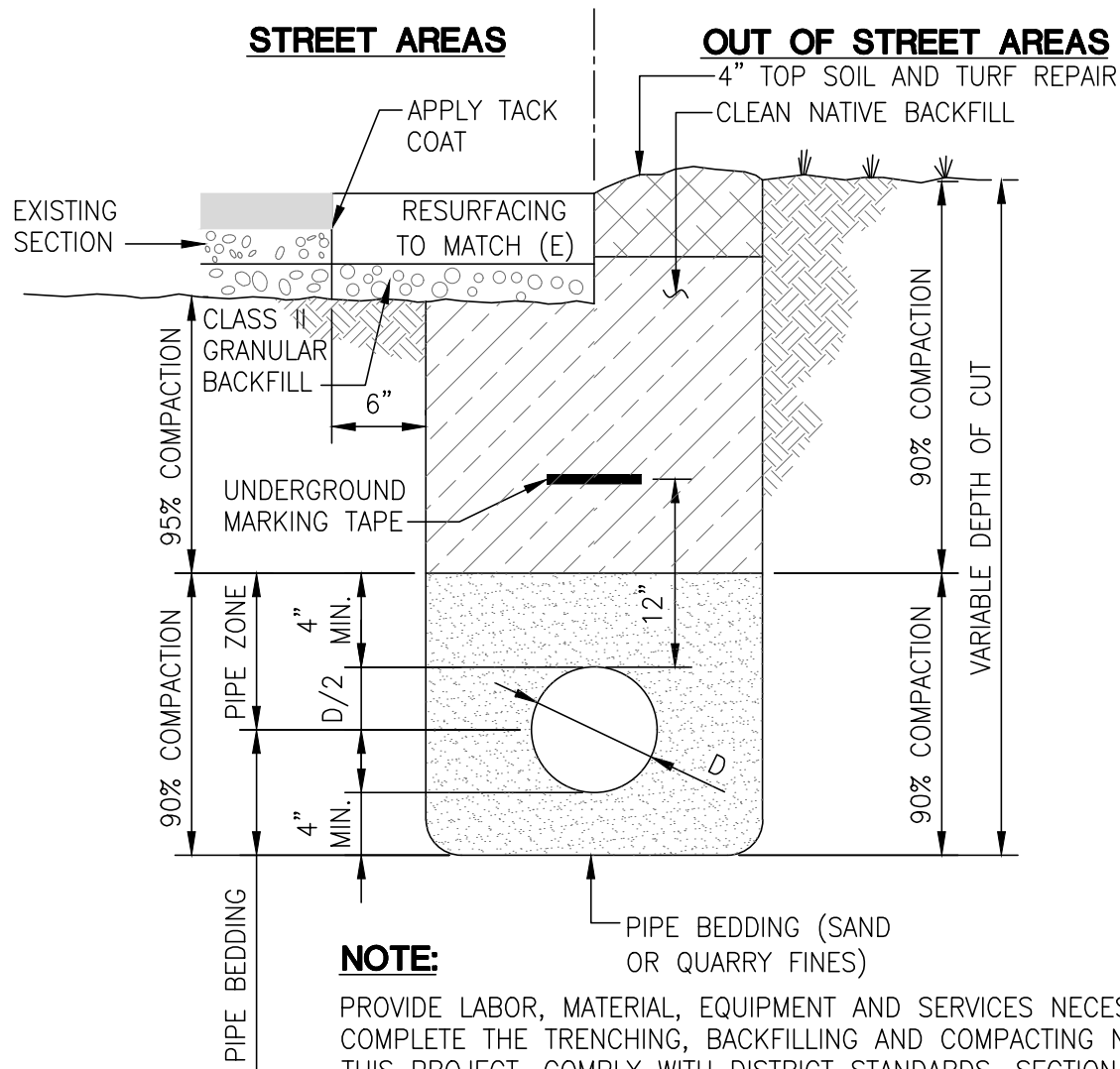
TYPICAL HPAV OFFSET REPLACEMENT

DATE: 5/27/2025

JOB # 2200689

MOD DWG:
SK-3

SHT — OF —



NOTE:

PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE TRENCHING, BACKFILLING AND COMPACTING NECESSARY FOR THIS PROJECT. COMPLY WITH DISTRICT STANDARDS, SECTION 31 23 33 – TRENCHING, BACKFILLING AND COMPACTING. THE RELATIVE COMPACTION OF TAMPED BEDDING MATERIAL SHALL BE NOT LESS THAN 90%. THE RELATIVE COMPACTION OF THE INITIAL BACKFILL SHALL BE NOT LESS THAN 90%. THE RELATIVE COMPACTION OF BACKFILL SHALL NOT BE LESS THAN 95% WITHIN 2-1/2 FEET OF FINISHED PERMANENT SURFACE GRADE OR 1-1/2 FEET BELOW THE FINISHED SUBGRADE, WHICHEVER IS GREATER.

DRAWING NTS

Engineered for Impact

Salas O'Brien.

305 South 11th Street
San Jose, California 95112-2218
877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

National Strength.
Local Action.

SOLANO COMMUNITY COLLEGE, 4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

CENTRAL PLANT MODERNIZATION

TYPICAL PIPE BEDDING & BACKFILL

DATE: 5/27/2025

JOB # 2200689

MOD DWG:
SK-4

SHT - OF -

1. EXISTING UTILITIES SHALL BE LOCATED BY CONTRACTOR THROUGH THE CONTRACTOR PROVIDED UTILITY LOCATING SERVICE SUBCONTRACTOR. UTILITIES SHALL BE CLEARLY MARKED WITH NON-PERMANENT PAINT WITH DEPTH ESTIMATES PROVIDED BY THE LOCATING SUBCONTRACTOR.
2. CONTRACTOR SHALL POTHOLE A MINIMUM OF 10' IN ADVANCE OF ANY TRENCHING OR EXCAVATING OPERATIONS. POTHOLING SHALL LOCATE AND IDENTIFY ALL UTILITIES AND ALL UTILITIES LOCATED DURING EXCAVATING ACTIVITIES. POTHOLING SHALL BE BY VACUUM EXCAVATING EQUIPMENT OR HAND DIGGING. ALL UTILITIES ENCOUNTERED SHALL BE CLEARLY MARKED, AND HAND EXCAVATED TO PREVENT DAMAGE.
3. ALL UTILITIES LOCATED, WHETHER OR NOT SHOWN ON CONTRACT DRAWINGS ARE TO BE MARKED ON THE PROJECT RECORD DRAWINGS, AS TO SIZE AND DEPTH WITH EITHER THE UTILITY IDENTIFICATION NUMBER OR REFERENCE TO PERMANENT SURFACE FEATURES, AND ELEVATIONS NOTED (REFERENCED TO SEA LEVEL), REGARDLESS OF OTHER REQUIREMENTS (OR LACK THEREOF) FOR AS-BUILT DRAWINGS. CONTRACTOR SHALL PROVIDE AS-BUILT, ELEVATION DOCUMENTS, AND AS-BUILT PLANS AT ALL UTILITIES CROSSED OR EXPOSED, INDICATING LOCATION, SIZE, SERVICE AND ELEVATION, WHETHER SHOWN ON CONTRACT DOCUMENTS OR NOT.

1. CONSTRUCTION IS INTENDED TO BE COMPLETED DURING THE SUMMER BREAK PERIOD TO LIMIT CAMPUS DISRUPTION. CONSTRUCTION IS AUTHORIZED TO COMMENCE MAY 23, 2023 AND PROJECT COMPLETION SHALL BE BY NO LATER THAN END OF DAY AUGUST 6, 2023 (75 CALENDAR DAYS). LIQUIDATED DAMAGES WILL BE DETERMINED BY OWNER (SEE DIV. 00 & 01) WILL BE APPLIED FOR EACH DAY HEAT IS NOT AVAILABLE TO BUILDINGS AFFECTED BY THE PROJECT SCOPE.
2. COORDINATE WITH OWNER, CAMPUS FACILITIES, & CONSTRUCTION MANAGER PRIOR TO SHUT DOWN OF HEATING HOT WATER SYSTEM, CHILLED WATER SYSTEM, & MANIPULATION OF BUILDING/SITE ISOLATION VALVES.
3. WATER TREATMENT SERVICES FOR FLUSHING, DRAINING, AND TREATING THE HEATING HOT WATER SYSTEM SHALL COMENCE AT LEAST 3 WEEKS PRIOR TO THE FINAL COMPLETION DATE (I.E. START BY NO LATER THAN JULY 16, 2023). THIS DURATION OF TIME IS NEEDED IN CASE THE TREATMENT CAUSES UNUSUAL DELAYS TO THE SYSTEM. REPAIRS SHALL BE MADE PRIOR TO THE FINAL COMPLETION DATE.

1. SEE ENLARGED PLANS FOR AREAS OF WORK AND DEMO/NEW SCOPES OF WORK.
2. ALL WORK SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
3. ALL DIMENSIONS ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC TO THE EXTENT THAT ALL FITTINGS, OFFSETS, ETC. ARE NOT SHOWN. THESE DRAWINGS ARE FOR THE GUIDANCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD FOR FABRICATION OF THE PIPING, PENETRATIONS, CONDUIT, WIRING, AND ALL COMPONENTS INTO A COMPLETE AND OPERABLE SYSTEM.
4. ALL WORK MUST BE SCHEDULED WITH THE PROJECT MANAGER TO MINIMIZE DISTURBANCE OF NORMAL ACTIVITIES. COORDINATE WORK WITH PROJECT MANAGER.
5. WHERE DISCREPANCIES OCCUR BETWEEN THE PLANS AND SPECIFICATIONS CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES IN WRITING. ANY ADJUSTMENT OF THE CONTRACT DOCUMENTS WITHOUT A DETERMINATION BY THE OWNER SHALL BE AT THE CONTRACTOR'S OWN RISK AND EXPENSE. THE MOST STRINGENT REQUIREMENTS SHALL APPLY AS DETERMINED BY THE OWNER.
6. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
8. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, REPAIRS, REPAIRS TO EXISTING UTILITIES AND/OR REPAIRS TO EXISTING STRUCTURES. REPAIR OF DAMAGE TO EXISTING UTILITIES AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF WORK UNDER THE TERMS OF THIS PROJECT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
9. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING BUILDING CONDITIONS AND NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENT AND EXISTING CONDITIONS.
10. THE CONTRACTOR SHALL, DURING THE COURSE OF CONSTRUCTION, PROTECT ADJACENT AREAS FROM DAMAGE, NOISE, CONSTRUCTION, AIRBORNE DUST AND FUMES AS A RESULT OF THE WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL SUB-CONTRACTORS AND SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION METHODS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE OWNER WITH A COMPLETE SET OF RECORD DRAWING, INCLUDING THE WORK OF ALL SUBCONTRACTORS.
13. ALL PRODUCTS AND MATERIALS USED ON THIS PROJECT SHALL BE FREE OF ASBESTOS.
14. NO PRODUCT WILL BE ACCEPTED ON THE JOB SITE WITHOUT PRIOR REVIEW BY THE OWNER. THE CONTRACTOR SHALL SUBMIT CATALOG SHEETS OF ALL FIXTURES, PIPING, VALVES AND ETC., FOR REVIEW.
15. ALL PRODUCT SUBSTITUTIONS SHALL HAVE PRIOR REVIEW BEFORE INSTALLATION. THE CONTRACTOR SHALL PAY ALL COSTS INCURRED FOR REVIEW, DESIGN AND INSTALLATION OF SUBSTITUTIONS. ACCEPTANCE OF SUBSTITUTIONS BY THE OWNER'S REPRESENTATIVE DOES NOT ALTER THE REVIEW REQUIREMENT.
16. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF THE CBC & CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION".

PHOTOGRAPHIC CONSTRUCTION RECORDS

THE CONTRACTOR SHALL PROVIDE PRECONSTRUCTION DIGITAL PHOTOGRAPHS AND VIDEO RECORDINGS PRIOR TO COMMENCEMENT OF WORK ON THE SITE. BEFORE CONSTRUCTION MAY START, CONTRACTOR SHALL DOCUMENT ANY EXISTING CONDITIONS THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS (DAMAGED CONCRETE, WALLS, LANDSCAPE, ETC.). FAILURE TO DOCUMENT EXISTING DAMAGE WILL RESULT IN CONTRACTOR REPAIRS TO SURFACE TO MATCH ADJACENT AFTER CONSTRUCTION ACTIVITIES. ADDITIONAL PRECONSTRUCTION PHOTOGRAPHS/VIDEOS SHALL BE TAKEN AT LOCATIONS TO BE DESIGNATED BY THE OWNER'S REPRESENTATIVE.

CONSTRUCTION PHOTOGRAPHS

THE CONTRACTOR SHALL PROVIDE CONSTRUCTION PHOTOGRAPHS SHOWING THE PROGRESS OF THE WORK AND AS MAY BE DIRECTED BY THE OWNER'S REPRESENTATIVE. PHOTOGRAPHS/VIDEOS SHALL BE FORMATTED, IDENTIFIED, AND DELIVERED AS DESCRIBED ABOVE FOR DIGITAL PHOTOS AND VIDEOS. STARTING ONE MONTH AFTER THE DATE OF THE PRECONSTRUCTION PHOTOGRAPHS AND CONTINUING AS LONG AS THE WORK IS IN PROGRESS, APPROXIMATELY 40 MONTHLY PHOTOGRAPHS SHALL BE TAKEN, CATALOGED AND CROSS REFERENCED TO DRAWINGS/PLANS.

FOR FINAL COMPLETION, DOCUMENT ALL PUNCH LIST ITEM COMPLETION BY PHOTOGRAPH OR VIDEO.





Matrix HG
3567-ALB

August 11, 2025

Matrix HG Inc.
115 Mason Cir
Concord, CA 94520

To: Mitch Lake Mlake@Matrixhginc.com

Re: Solano College Central Plant-Vault Leak Repairs
Substation Raceway/Bldg. 1800

Please find below cost breakdown for completion of work as follows:

Scope of Work

Substation Raceway

- Excavation approx. 20'X10'X8' for pipe repairs.
- Stockpile excavated materials.
- Excavation included step excavation in lieu of shoring.
- Back fill excavation with Select fill per 3.7trench back fill by using sand, compacted as select fill to 12" above pipe. Native soil above compacted select fill.

Labor	\$14,200.00
Material/Equip	\$7,300.00
Select Nat. Import/Off haul	<u>\$7,560.00</u>
	\$29,060.00

Bldg. 1800

- Excavate 5' depth 19'X8' area.
- Restore thrust blocks.
- Back fill with Select fill to 12" above pipe with sand. Class II base rock above Select fill.
- Restore asphalt (existing asphalt does not have fabric, therefore fabric not included.).

Labor	\$24,880.00
Material/Equip	<u>\$15,200.00</u>
	\$40,080.00



Total cost for substation raceway and Bldg. 1800: \$69,140.00

Bob Gonzalez
ALB, Inc.



BAYSIDE INSULATION, INC.

To: MatrixHG

Proposal No: 259461

Attn: Mitch Lake

Date: 05/09/2025

Phone:

Proposal: Insulate Pipe Joints and Elbows, Solano College Vaults, Fairfield, CA.

We propose to furnish all labor required for the work outlined in this proposal at the price stated herein subject to the following specifications and plans.

Scope of Work:

- Provide labor to insulate the piping and elbows after the high point vent piping is relocated. Each location typically will have two pipe joints and two elbows per line (HHWS, HHWR, CHWS).

The kits to insulate the joints and piping will be provided by Matrix.

Proposal

Sub Station	\$7,800.00
Bldg 1800 Vault (2- CHW Valves).	\$4,900.00
Bldg 1800	\$8,400.00
Quad	\$9,000.00
Bldg 300	\$8,400.00
Bldg 1400 (HHW S/R only).	<u>\$6,200.00</u>
	\$44,700.00

Conditions:

Bid prices are based on area wages and benefits, including travel.

All work will be performed on a Lump Sum basis.

The pipes will be pre-insulated and installed by Matrix.

Exclusions:

Overtime premiums, pipe insulation, daylighting piping to allow clearance for insulation, painting, system marking, fire stopping.

Terms:

1. This bid is conditioned upon a forty (40) hour work week with work hours 7:00 A.M. to 5:00 P.M., Monday through Friday (or other mutually agreed work hours) and is subject to acceptance within 30 days. It is also subject to our regular contract terms of net cash upon completion with payment of 90% of all labor expended and material delivered each month due and payable on the 10th of the following month and the balance 30 days thereafter.

ACCEPTED Date: _____

Respectfully Submitted:

BAYSIDE INSULATION, INC.

By _____


Phillip J. Ramirez

License 991280

1635 Challenge Drive • Concord, CA 94520

Tel. (925) 288-8960 • Fax (925) 288-8970



6640 Redeker Place
Newark, CA 94560
510-342-2943
Website: www.temcool.com

July 01, 2025

Proposal # 9250158H

Matrix HG

Attention: Mitch Lake

Subject: Solano CC BLDG 1800 A&B

Dear Mitch,

Total Environmental Management, Inc. (TEM) is pleased to submit our proposal for your upcoming chiller project. Our proposal is based on providing the following scope of work and bill of material.

SCOPE OF WORK

- Stage/deliver equipment and material to jobsite.
- Park chiller trailer in designated location.
- Provide and install temporary header/manifolds to customer provided point of connections.
- Furnish and install temporary flexible hose from temp chiller to TEM headers/manifolds.
- Provide and install Type W UL Rated temporary power cable from temporary units to customer provided power source.
- Furnish and install temporary flexible make up water hose from customer provided water source to temporary unit.
- After completion of installation, TEM will fill the system, start the system and provide operator instruction.
- During the rental period, TEM will provide routine maintenance inspections. Scheduling is based on TEM service department's discretion.
- At the conclusion of the project, TEM will remove all TEM furnished equipment.

July 01, 2025

PRICING – NO SALES TAX REQUIRED

- Round trip transportation, installation, startup, instruction & removal labor based upon straight time labor rates \$7,350.00
- Chiller Freight \$2,200.00

- Equipment rental
 - 100T CHILLER
 - Weekly (1 week minimum) \$2,700.00
 - Monthly (calendar month) \$8,100.00

- Peripheral Material (Included in total price)
 - (100' runs) Supply and return chilled water hose
 - (100' runs) UL rated temporary power cable
 - Two (2) 4" Flanged/Victaulic Headers
 - One (1) 240 GPM @ 150' TDH CHWP

NOTE: TOTAL PRICE IS BASED ON TWO COMPONENTS, ONE FOR LABOR AND THE OTHER FOR THE RENTAL.

NOTE: Pending site review, all labor costs shown below are BUDGETARY ONLY. After site review, firm pricing can be provided for labor.

The following items are specifically excluded from the TEM Bill of Material:

- Any permits, fees, etc that may be required.E8
- Creation of chilled water point of connections in the mechanical room.
- Removal and/or replacement of cold insulation.
- Adequate power for the TEM furnished equipment.
- Routine operation of equipment.
- Security for equipment.
- Controls.
- Crane/rigging.
- Water containment/treatment/reclamation

July 01, 2025

- Seismic restraints.
- Certified payroll/prevaling wage.

LOSS OR DAMAGE. Renter shall be responsible for any loss or damage to Equipment and loss of use, diminution of the Equipment's value caused by damage to it or repair to it and missing equipment.

IMPORTANT NOTICE:

1 – TEM defines a rental month based upon the calendar, ie 30 or 31 days. Other rental vendors define a month as only 28 days.

2 – TEM is not required by the State of California to charge sales tax on equipment rental. Other rental vendors MUST charge you state sales tax, ie 8.75% – 9.75%, or other appropriate tax. The addition of sales tax by other rental vendors is a real cost borne by you and/or the end user.

3 – TEM does not require a cost surcharge for equipment insurance. Some rental vendors charge you up to an additional 15% of the rental cost for equipment insurance. Other rental vendors demand that you furnish certificates of insurance in advance of delivery covering the full replacement value of the rented equipment. These requirements create real costs borne by both you and/or the end user.

4 – TEM does not require a surcharge for environmental fees. Some other rental vendors charge you up to an additional 2% of the rental cost for environmental fees. Again, this is a real cost borne by both you and/or the end user.

5 – The TEM offer is complete. There are no hidden costs for hose, cable, pumps, etc.

Invoicing is in advance and terms of payment are net 30 days, upon approval of credit. Equipment is offered subject to prior rent. Permits, if required are specifically excluded from the TEM scope of supply. **SALES TAX IS NOT REQUIRED TO BE CHARGED ON THE TEM BILL OF MATERIAL.**

Thank you for allowing TEM the opportunity to review your temporary cooling requirements. We look forward to working with you.

Very truly yours,

Total Environmental Management, Inc.

Matrix HG

Brent Hanson
Sales Engineer
925-409-0367
Date: 07/01/2025

Approved by:
Title:
Date:



**TOTAL
ENVIRONMENTAL
MANAGEMENT, INC.**

24 HR. EMERGENCY COOLING

877-266-0120

OFFICE: 714-678-3300

WWW.TEMCOOL.COM

EQUIPMENT DATA SHEET

TAG NUMBER C-10017
NOMINAL CAPACITY 96.49 TR

UNIT SPECIFICATIONS

MANUFACTURER YORK
MODEL YLAA0100SE46XFBBXTX
SERIAL NUMBER 82012K31322598
STYLE AIR COOLED
REFRIGERANT 410A
EWT (F) 54
LWT (F) 44
AMBIENT TEMP DESIGN (F) 95
PRESSURE DROP (FT) 9.14
DESIGN FLOW RATE (GPM) 230.3
EER / COP.R 9.711
IPLV.IP 16.07
SOUND PRESSURE AT 30' @ 100% LOAD
SOUND POWER LEVEL @ 100% LOAD 95
(OCTAVE BAND CENTER FREQUENCY, HZ)

CHILL WATER PUMP SPECIFICATIONS

HP 15HP
GPM 240
TOTAL DYNAMIC HEAD 150'

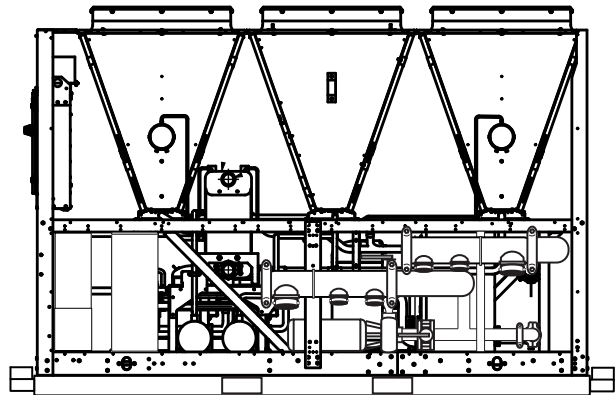
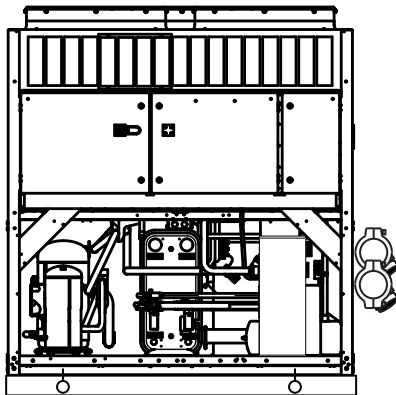
POWER SPECIFICATIONS

VOLTAGE 460V
PHASE 3
HERTZ 60
COMPRESSOR AMPS 186.9A
FAN AMPS 20A
PUMP AMPS 17.5A
TOTAL AMPS 224.4A
BREAKER 250A
MCA + PUMP 242.5

PHYSICAL SPECIFICATIONS

DIMENSIONS 13'L x 8'5"W x 8'4"H
OVERALL DRY WEIGHT 7482 LBS
OVERALL WET WEIGHT 7682 LBS
WATER CONNECTION (2/2) 2 1/2" OR (1/1) 4" FNST

C-10017



CAPACITY

DIMENSIONS

ACCESSORIES:

NOTES

100TR

LENGTH

WIDTH

HEIGHT

WEIGHT

MFG: YORK

13'

8'5"

8'4"

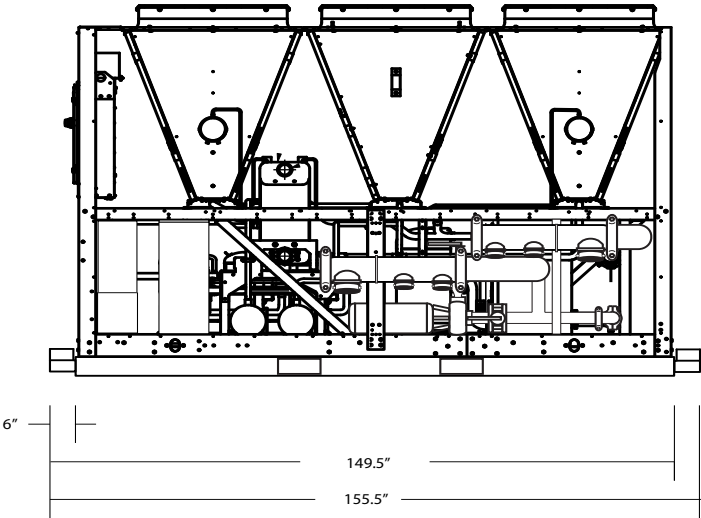
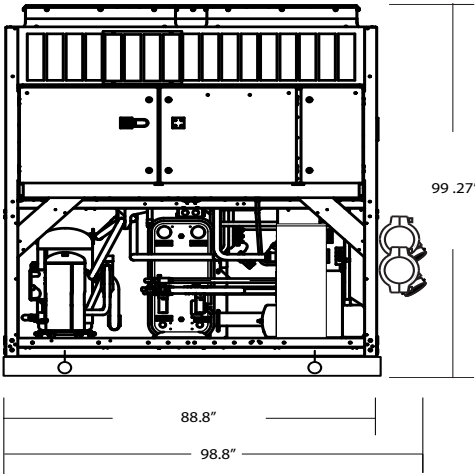
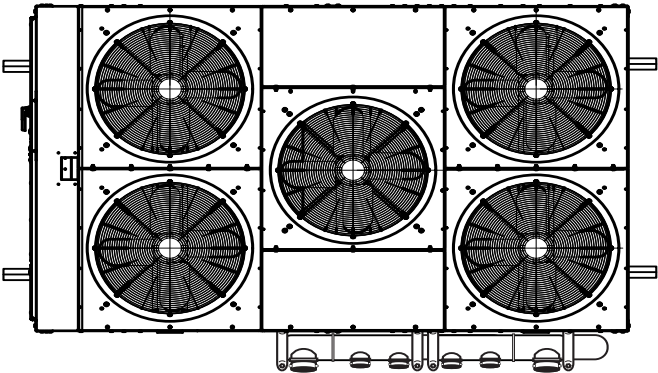
7482 lbs

EQUIPMENT DATA SHEET

TAG NUMBER	C-10017
NOMINAL CAPACITY	96.49 TR

PHYSICAL SPECIFICATIONS

DIMENSIONS	13'L X 8'5"W X 8'4"H	WATER CONNECTIONS	(2/2) 2 1/2" OR (1/1) 4" FNST
OVERALL DRY WEIGHT	7482 LBS		
OVERALL WET WEIGHT	7682 LBS		





**TOTAL
ENVIRONMENTAL
MANAGEMENT, INC.**

24 HR. EMERGENCY COOLING

877-266-0120

OFFICE: 714-678-3300

WWW.TEMCOOL.COM

EQUIPMENT DATA SHEET

TAG NUMBER

C-10017

NOMINAL CAPACITY

96.49 TR

PUMP SPECIFICATIONS

MOTOR MAKE

BALDOR

RPM

3500

PUMP MAKE

GRUNDFOS

MOTOR FRAME

254JM

PUMP MODEL

20709 LC

ENCLOSER

TEFC

GPM

240

SHAFT BEARING

309

TDH

150

ODP BEARING

208

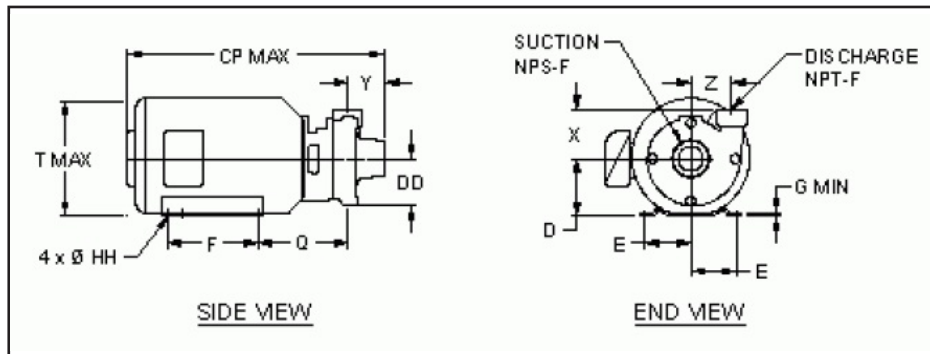
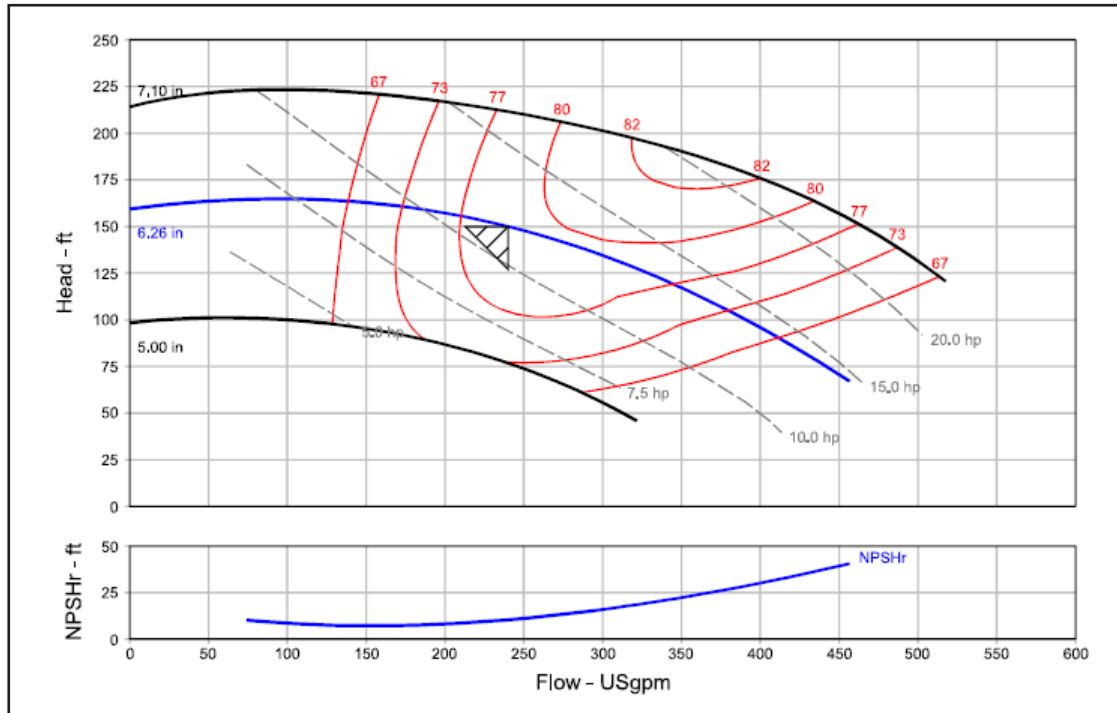
HP

15

SEAL SIZE

IMPELLER DIAMETER

6.26 IN



PUMP DIMENSIONS

SUC	DISC	CP	D	DD	E	F	G	HH	Q	T	X	Y	Z	WT
2.5 NPT	2 NPT	29	6.25	5.13	5	8.25	0.25	0.53	9.88	11.50	5.38	3.94	4.50	293



**Vince Sigal
Electric**
INCORPORATED

Vince Sigal Electric, Inc.
400 Tesconi Circle, Santa Rosa, CA 95401
C10 License: # 867459

7/3/2025

Attention: Mitch Lake PM, MatrixHG, Inc.

Reference: Solano Plant- VSE #23341.8

CHANGE ORDER #8:

Description: This PCO request is for the Solano Plant.

- Add a 250 Amp Square-D Breaker to the switchgear.
- Supply labor to route cables, supplied by others.
- Per Matrix, Temporary chiller TEM is proposing to support Bldg. 1800A & B while we do the FI#07 work.
- Make all connections.

Total Change Order Request					
	Rate	Hours	Cost	15% OH & Mark-Up	Total
Design/Discovery	\$ 175.00	0	\$ -		
Journeyman	\$ 177.32	8	\$ 1,418.56		
Apprentice	\$ 158.62	0	\$ -		
Labor Total			\$ 1,418.56		\$ 1,418.56
Materials			\$ 1,920.00	288.00	\$ 2,208.00
Equipment Rental		8	\$ 65.00		\$ 520.00
Sub Total					\$ 4,146.56
Material Tax 9.25%					\$ 204.24
Total					\$ 4,350.80

Vince Sigal Electric, Inc.

AUTHORIZED REPRESENTATIVE'S SIGNATURE

By: Steve Eisert

Steve Eisert, Chief Estimator

Contractors State License No. C10-867459

MatrixHG, Inc.

AUTHORIZED REPRESENTATIVE'S SIGNATURE

By: _____



Vince Sigal
Electric
INCORPORATED

CO - EXCLUSIONS & CLARIFICATIONS:

- All pricing associated with this CO is valid for a maximum of 30 days. VSE reserves the right to adjust the pricing of this CO based on current materials costs.
- This CO has been assembled and presented for review. Any work, equipment, or materials associated with this CO shall not be released/ordered until an approved CO, with notice to proceed has been received. All SIGNATURES are required.
- All original proposals include exclusions, permits and fees, and expansion into the existing electrical system beyond this scope of work.
- This CO shall not in any way alter the terms of the subcontract agreement for work on the associated project, except as herein specifically described, or released, or exonerate any surety on any bond given to secure the performance of the subcontract.
- Design/Discovery – Is defined as: Administration time, design/development time, to research, locate and order materials associated directly to the CO, but not included into the original scope of work or proposal price.
- Equipment Rental – Is defined as: Charges for tools and trucks associated with the performance of a specified CO. These charges are estimated individually for each CO based on the anticipated requirements to complete the associated work. CO charges are separate from any existing contract or previously submitted CO. CO work constitutes additional work not accounted for in a contract. CO costs are incurred by the sub-contractor, and are costs associated with the completion of the work. These costs are passed forward in the form of the associated equipment rental line-item charges shown.



**Vince Sigal
Electric**
INCORPORATED

Vince Sigal Electric, Inc.
400 Tesconi Circle, Santa Rosa, CA 95401
C10 License: # 867459

7/29/2025

Attention: Mitch Lake PM, MatrixHG, Inc.

Reference: Solano Plant- VSE #23341.9

CHANGE ORDER #9:

Description: This PCO request is for the Solano Plant.

- Add a monitoring device call "DENT" to the 18DLC Switchboard to measure amperage power for 24 hours.
- A SUS man will set it up in the morning and let it run for 24 hours then remove it. Turn the DENT to Steve to make a spreadsheet to turn into MatrixHG, Inc.
- Make all connections.

Total Change Order Request					
	Rate	Hours	Cost	15% OH & Mark-Up	Total
Design/Discovery	\$ 175.00	0	\$ -		
Journeyman	\$ 177.32	8	\$ 1,418.56		
Apprentice	\$ 158.62	0	\$ -		
Labor Total			\$ 1,418.56		\$ 1,418.56
Materials			\$ -	0.00	\$ -
Equipment Rental		1	\$ 1,800.00		\$ 1,800.00
Sub Total					\$ 3,218.56
Material Tax 9.25%					\$ -
Total					\$ 3,218.56

Vince Sigal Electric, Inc.

AUTHORIZED REPRESENTATIVE'S SIGNATURE

By: Steve Eisert

Steve Eisert, Chief Estimator

Contractors State License No. C10-867459

MatrixHG, Inc.

AUTHORIZED REPRESENTATIVE'S SIGNATURE

By: _____



Vince Sigal
Electric
INCORPORATED

CO - EXCLUSIONS & CLARIFICATIONS:

- All pricing associated with this CO is valid for a maximum of 30 days. VSE reserves the right to adjust the pricing of this CO based on current materials costs.
- This CO has been assembled and presented for review. Any work, equipment, or materials associated with this CO shall not be released/ordered until an approved CO, with notice to proceed has been received. All SIGNATURES are required.
- All original proposals include exclusions, permits and fees, and expansion into the existing electrical system beyond this scope of work.
- This CO shall not in any way alter the terms of the subcontract agreement for work on the associated project, except as herein specifically described, or released, or exonerate any surety on any bond given to secure the performance of the subcontract.
- Design/Discovery – Is defined as: Administration time, design/development time, to research, locate and order materials associated directly to the CO, but not included into the original scope of work or proposal price.
- Equipment Rental – Is defined as: Charges for tools and trucks associated with the performance of a specified CO. These charges are estimated individually for each CO based on the anticipated requirements to complete the associated work. CO charges are separate from any existing contract or previously submitted CO. CO work constitutes additional work not accounted for in a contract. CO costs are incurred by the sub-contractor, and are costs associated with the completion of the work. These costs are passed forward in the form of the associated equipment rental line-item charges shown.

Tap Master, Inc

1647 Willow Pass Rd. # 136
Concord, CA 94520-2611
Ph: (925) 439-7975 Fax: (925) 432-1871
DIR# 1000000405

QUOTE

CA Lic # 697696
NV Lic # 0056402
WA Lic # TAPMAMI835DT
OR Lic# 239622
ID Reg#RCE-62535

DATE	ESTIMATE #
6/25/2025	51424

Ship To

Matrix HG, Inc
Attention: Mitch lake
Ph: (925) 214-4985
Email: mlake@matrixhginc.com

TERMS

Net 30

DESCRIPTION	TOTAL
LOCATION: SOLANO COMMUNITY COLLEGE - 4000 SUISUN VALLEY RD - FAIRFIELD, CALIFORNIA	
** TRIP 1 - BLDG #2100 ** (1) 6" LINE STOP ON STEEL CHILLED WATER LINE (1) 6" LINE STOP ON PVC CHILLED WATER LINE	12,395.00
** TRIP 2 - BLDG #1300 ** (2) 6" LINE STOP ON STEEL CHILLED WATER LINE	11,486.00
<p>* CUSTOMER TO DO ALL WELDING * LINE STOPS IN LINE FOR (1) DAY. ADDITIONAL RENTAL \$725.00PER DAY, PER MACHINE * CUSTOMER TO INSTALL 3/4" BLOW OFFS IF NEEDED</p> <p>INCLUDES THE FOLLOWING ON STRAIGHT TIME, PREVAILING WAGE: LABOR, TRUCK, EQUIPMENT JCM 440 LINE STOP SADDLE LINE STOP FLG CONTOURED NOZZLE NPT PLUG BLIND FLANGE 125# IMMEDIATE PRESSURE TEST</p> <p>CUSTOMER TO SUPPLY: PERMITS, FEES, BONDS IF REQUIRED LIGHTS AND LADDERS EXCAVATION, SHORING TO OSHA STANDARDS ENGINEERED DESIGNED THRUST BLOCK INSULATION REMOVAL & INSTALLATION PIPING, VALVES AND CONNECTIONS PIPE COATINGS/TRAFFIC CONTROL/PLATING PROTECTION OF FLOORS, WALLS, FURNITURE ETC INSTALLATION</p> <p>CCIP/OCIP/UCIP/PLP or other "wrap" insurance policies are excluded under general liability policies. By accepting this quote & scheduling work, you agree to assume all financial liability & responsibility if Tap Master is not notified to enroll prior to starting the job. ADD \$660 FOR ADMINISTRATION FEES. WE WILL NOT ENROLL IN ANY OCIP AFTER WE HAVE BEEN ON SITE.</p>	
THANK YOU JOHN SAUERZOPF	TOTAL

Tap Master, Inc

1647 Willow Pass Rd. # 136
Concord, CA 94520-2611
Ph: (925) 439-7975 Fax: (925) 432-1871
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DATE	ESTIMATE #
6/25/2025	51425

Ship To

Matrix HG, Inc
Attention: Mitch lake
Ph: (925) 214-4985
Email: mlake@matrixhginc.com

TERMS

Net 30

DESCRIPTION	TOTAL
LOCATION: SOLANO COMMUNITY COLLEGE - 4000 SUISUN VALLEY RD - FAIRFIELD, CALIFORNIA	
** TRIP 1 - BLDG #300 ** (2) 4" LINE STOP ON STEEL HEATING HOT WATER LINE	8,195.00
** TRIP 2 - BLDG #1300 ** (2) 4" LINE STOP ON STEEL HEATING HOT WATER LINE	8,195.00
** TRIP 3 - BLDG #2100 ** (2) 4" LINE STOP ON STEEL HEATING HOT WATER LINE	8,195.00
* CUSTOMER TO DO ALL WELDING * LINE STOPS IN LINE FOR (1) DAY. * MAX (7) HOURS IN LINE * CUSTOMER TO INSTALL 3/4" BLOW OFFS IF NEEDED * MAX TEMP 180° INCLUDES THE FOLLOWING ON STRAIGHT TIME, PREVAILING WAGE: LABOR, TRUCK, EQUIPMENT (6) 3" X 4" QUALITECH LINE STOP FITTING 125# IMMEDIATE PRESSURE TEST GENERATOR CUSTOMER TO SUPPLY: PERMITS, FEES, BONDS IF REQUIRED LIGHTS AND LADDERS EXCAVATION, SHORING TO OSHA STANDARDS ENGINEERED DESIGNED THRUST BLOCK INSULATION REMOVAL & INSTALLATION PIPING, VALVES AND CONNECTIONS PIPE COATINGS/TRAFFIC CONTROL/PLATING PROTECTION OF FLOORS, WALLS, FURNITURE ETC INSTALLATION CCIP/OCIP/UCIP/PLP or other "wrap" insurance policies are excluded under general liability policies. By accepting this quote & scheduling work, you agree to assume all financial liability & responsibility if Tap Master is not notified to enroll prior to starting the job. ADD \$660 FOR ADMINISTRATION FEES. WE WILL NOT ENROLL IN ANY OCIP AFTER WE HAVE BEEN ON SITE.	
THANK YOU JOHN SAUERZOPF	TOTAL

Tap Master, Inc

1647 Willow Pass Rd. # 136

Concord, CA 94520-2611

Ph: (925) 439-7975 Fax: (925) 432-1871

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DATE	ESTIMATE #
6/25/2025	51425

Ship To

Matrix HG, Inc

Attention: Mitch lake

Ph: (925) 214-4985

Email: mlake@matrixhginc.com

TERMS

Net 30

DESCRIPTION	TOTAL
<p>*PLA/CWA/CBA - We are a non-signatory contractor. All costs incurred for Union Dues and Fringe payments will be billed as a separate change order.</p> <p>ALL MATERIALS QUOTED 'DO NOT' MEET 'BUY AMERICAN ACT' OR AIS COMPLIANCE. IF DOMESTIC MATERIALS ARE REQUIRED, PLEASE CONTACT OUR OFFICE FOR REVISION.</p> <p>PRICING MAY FLUCTUATE BECAUSE OF TARIFFS</p> <p>TERMS AND CONDITIONS:</p> <ol style="list-style-type: none">1. TAP MASTER, INC PAYS TAXES ON ALL OF ITS MATERIALS2. VALIDITY OF QUOTATION IS 60 DAYS FROM DATE OF ISSUANCE3. ADDITIONAL CHARGES WILL APPLY FOR EXTRA MOBILIZATIONS TO THE JOB SITE NOT INCLUDED IN THE QUOTE.4. CUSTOMER WILL PAY FOR ALL COSTS AND EXPENSES INCURRED BY TAP MASTER, INC BECAUSE OF ANY RESCHEDULING OR CANCELLATION BY CUSTOMER.5. TAP MASTER, INC USES THE LATEST TECHNOLOGY TO ENHANCE THE CAPTURE/RETENTION OF THE HOT TAP COUPON. THERE IS NO GUARANTEE OF THE COUPON RETRIEVAL. ALL COSTS ASSOCIATED WITH RETRIEVING THE COUPON WILL BE THE RESPONSIBILITY OF THE CUSTOMER.6. TAP MASTER, INC MAKES NO GUARANTEE THAT THE PLACEMENT OF THE LINE STOP HEAD(S) INTO THE PIPE THE FIRST TIME WILL PROVIDE A WORKABLE SHUTDOWN. IT MAY BE NECESSARY TO REMOVE THE LINE STOP HEAD(S) AND REPLACE THE SEALING ELEMENT OR RETRACT THE LINE STOP MACHINE AND SWEEP THE LINE FOR DEBRIS. THIS IS NOT CONSIDERED A DELAY OF WORK AT THE SITE.7. TAP MASTER, INC DOES NOT GUARANTEE A 100% SEAL WITH THE LINE STOP EQUIPMENT DUE TO UNKNOWN OR UNFORESEEN PIPE SYSTEM CONDITIONS, BUT WILL PROVIDE A WORKABLE CONDITION.8. ANY CLERICAL ERRORS ARE SUBJECT TO CORRECTION.9. TAP MASTER, INC IS NOT RESPONSIBLE FOR ANY CONCRETE LINING REPAIRS DUE TO THE HOT TAP OR LINE STOP.10. TAP MASTER SUPPLIES STANDARD INSURANCE, ALL MODIFIED/SPECIAL INSURANCE NEEDS ARE PRICED ON REQUEST. <p>THE CUSTOMER TO PROVIDE THE FOLLOWING:</p> <ol style="list-style-type: none">1. LIFTING EQUIPMENT FOR 16" AND LARGER LINE STOP MACHINES, VALVES AND EQUIPMENT.2. FURNISH INFORMATION FOR MATERIAL REQUIREMENTS, PROJECT INFORMATION, TEMPERATURE, DESIGN PRESSURE, LINE CONDITIONS, FLOW RATES, PREVAILING WAGE/PUBLIC WORKS PROJECT INFORMATION.3. CONFIRMATION OF PIPE OD, TYPE OF PIPE AND ACTUAL PRESSURE.4. EXCAVATION, SHORING BACKFILL, DEWATERING, TRAFFIC PLATING AND FENCING OF WORK AREA.5. ENGINEERED, DESIGNED AND INSTALLED THRUST BLOCK RESTRAINT AND SUPPORT FOR LINE STOP FITTING AND EQUIPMENT ON OUTDOOR WORK. (PRESSURE AGAINST HEAD CAN MOVE PIPING AND	
THANK YOU JOHN SAUERZOPF	TOTAL

Tap Master, Inc

1647 Willow Pass Rd. # 136
Concord, CA 94520-2611
Ph: (925) 439-7975 Fax: (925) 432-1871
DIR# 1000000405

QUOTE

CA Lic # 697696
NV Lic # 0056402
WA Lic # TAPMAMI835DT
OR Lic# 239622
ID Reg#RCE-62535

DATE	ESTIMATE #
6/25/2025	51425

Ship To

Matrix HG, Inc
Attention: Mitch lake
Ph: (925) 214-4985
Email: mlake@matrixhginc.com

TERMS

Net 30

DESCRIPTION	TOTAL
SEPARATE UP STREAM PIPE JOINTS). 6. TRAFFIC BARRICADES, TRENCH PLATES AND TRAFFIC CONTROL 7. PERMITS, FEES, BONDS AND ANY SPECIAL LICENSES IF REQUIRED 8. MAINTAIN A DRY AND WORKABLE ENVIRONMENT AND SECURITY FOR THE LINE STOP UNIT. 9. CUSTOMER TO REPLACE THE COATING AT THE POINT OF THE LINE STOP & HOT TAP FITTINGS. (WHAT EVER THE THRUST BLOCK DOESN'T COVER). 10. NEW PIPING, NEW VALVES, DISH HEADS, CONNECTIONS OR TERMINATION OF PIPING. 11. ANY UPGRADE COSTS TO 304/316 SS BOLTS FOR THE LINE STOP BLIND IF REQUIRED. 12. VERIFY APPROVAL OF SUBMITTALS AND THE PIPE OD PRIOR TO ORDERING OF MATERIALS. 13. OPERATION OF ALL MAIN VALVES TO STOP FLOW DURING LINE STOP INSERTION. 14. DECHLORINATION AND REMOVAL OF ANY AND ALL WATER THAT MAY LEAK BY LINE STOP SEAL. 15. DECHLORINATION AND REMOVAL OF ALL WATER IN PIPING DURING DRAINING OF LINE. 16. CERTIFIED WELD INSPECTOR IF REQUIRED.	
THANK YOU JOHN SAUERZOPF	TOTAL \$24,585.00

Conditions: We agree to furnish new merchandise in exchange for any parts we supply that are found to be defective. We assume no liability of any kind such as labor cost expenses, or any type of damages, direct or indirect. Quote is based on information given by customer and may be subject to any changes occurring on the job. Quote valid for 30 days from date of issue. Payment terms as above, no retention. Customer accepts statements above, and attached terms and conditions.

PLEASE SIGN & SEND BACK WHEN APPROVED: PO#

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Concord, CA 94520-2611

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DATE	ESTIMATE #
6/25/2025	51424

Ship To

Matrix HG, Inc

Attention: Mitch lake

Ph: (925) 214-4985

Email: mlake@matrixhginc.com

TERMS

Net 30

DESCRIPTION	TOTAL
<p>*PLA/CWA/CBA - We are a non-signatory contractor. All costs incurred for Union Dues and Fringe payments will be billed as a separate change order.</p> <p>ALL MATERIALS QUOTED 'DO NOT' MEET 'BUY AMERICAN ACT' OR AIS COMPLIANCE. IF DOMESTIC MATERIALS ARE REQUIRED, PLEASE CONTACT OUR OFFICE FOR REVISION.</p> <p>PRICING MAY FLUCTUATE BECAUSE OF TARIFFS</p> <p>TERMS AND CONDITIONS:</p> <ol style="list-style-type: none">1. TAP MASTER, INC PAYS TAXES ON ALL OF ITS MATERIALS2. VALIDITY OF QUOTATION IS 60 DAYS FROM DATE OF ISSUANCE3. ADDITIONAL CHARGES WILL APPLY FOR EXTRA MOBILIZATIONS TO THE JOB SITE NOT INCLUDED IN THE QUOTE.4. CUSTOMER WILL PAY FOR ALL COSTS AND EXPENSES INCURRED BY TAP MASTER, INC BECAUSE OF ANY RESCHEDULING OR CANCELLATION BY CUSTOMER.5. TAP MASTER, INC USES THE LATEST TECHNOLOGY TO ENHANCE THE CAPTURE/RETENTION OF THE HOT TAP COUPON. THERE IS NO GUARANTEE OF THE COUPON RETRIEVAL. ALL COSTS ASSOCIATED WITH RETRIEVING THE COUPON WILL BE THE RESPONSIBILITY OF THE CUSTOMER.6. TAP MASTER, INC MAKES NO GUARANTEE THAT THE PLACEMENT OF THE LINE STOP HEAD(S) INTO THE PIPE THE FIRST TIME WILL PROVIDE A WORKABLE SHUTDOWN. IT MAY BE NECESSARY TO REMOVE THE LINE STOP HEAD(S) AND REPLACE THE SEALING ELEMENT OR RETRACT THE LINE STOP MACHINE AND SWEEP THE LINE FOR DEBRIS. THIS IS NOT CONSIDERED A DELAY OF WORK AT THE SITE.7. TAP MASTER, INC DOES NOT GUARANTEE A 100% SEAL WITH THE LINE STOP EQUIPMENT DUE TO UNKNOWN OR UNFORESEEN PIPE SYSTEM CONDITIONS, BUT WILL PROVIDE A WORKABLE CONDITION.8. ANY CLERICAL ERRORS ARE SUBJECT TO CORRECTION.9. TAP MASTER, INC IS NOT RESPONSIBLE FOR ANY CONCRETE LINING REPAIRS DUE TO THE HOT TAP OR LINE STOP.10. TAP MASTER SUPPLIES STANDARD INSURANCE, ALL MODIFIED/SPECIAL INSURANCE NEEDS ARE PRICED ON REQUEST. <p>THE CUSTOMER TO PROVIDE THE FOLLOWING:</p> <ol style="list-style-type: none">1. LIFTING EQUIPMENT FOR 16" AND LARGER LINE STOP MACHINES, VALVES AND EQUIPMENT.2. FURNISH INFORMATION FOR MATERIAL REQUIREMENTS, PROJECT INFORMATION, TEMPERATURE, DESIGN PRESSURE, LINE CONDITIONS, FLOW RATES, PREVAILING WAGE/PUBLIC WORKS PROJECT INFORMATION.3. CONFIRMATION OF PIPE OD, TYPE OF PIPE AND ACTUAL PRESSURE.4. EXCAVATION, SHORING BACKFILL, DEWATERING, TRAFFIC PLATING AND FENCING OF WORK AREA.5. ENGINEERED, DESIGNED AND INSTALLED THRUST BLOCK RESTRAINT AND SUPPORT FOR LINE STOP	
THANK YOU JOHN SAUERZOPF	TOTAL

Tap Master, Inc

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DATE	ESTIMATE #
6/25/2025	51424

Ship To

Matrix HG, Inc
Attention: Mitch lake
Ph: (925) 214-4985
Email: mlake@matrixhginc.com

TERMS
Net 30

DESCRIPTION	TOTAL
FITTING AND EQUIPMENT ON OUTDOOR WORK. (PRESSURE AGAINST HEAD CAN MOVE PIPING AND SEPARATE UP STREAM PIPE JOINTS). 6. TRAFFIC BARRICADES, TRENCH PLATES AND TRAFFIC CONTROL 7. PERMITS, FEES, BONDS AND ANY SPECIAL LICENSES IF REQUIRED 8. MAINTAIN A DRY AND WORKABLE ENVIRONMENT AND SECURITY FOR THE LINE STOP UNIT. 9. CUSTOMER TO REPLACE THE COATING AT THE POINT OF THE LINE STOP & HOT TAP FITTINGS. (WHAT EVER THE THRUST BLOCK DOESN'T COVER). 10. NEW PIPING, NEW VALVES, DISH HEADS, CONNECTIONS OR TERMINATION OF PIPING. 11. ANY UPGRADE COSTS TO 304/316 SS BOLTS FOR THE LINE STOP BLIND IF REQUIRED. 12. VERIFY APPROVAL OF SUBMITTALS AND THE PIPE OD PRIOR TO ORDERING OF MATERIALS. 13. OPERATION OF ALL MAIN VALVES TO STOP FLOW DURING LINE STOP INSERTION. 14. DECHLORINATION AND REMOVAL OF ANY AND ALL WATER THAT MAY LEAK BY LINE STOP SEAL. 15. DECHLORINATION AND REMOVAL OF ALL WATER IN PIPING DURING DRAINING OF LINE. 16. CERTIFIED WELD INSPECTOR IF REQUIRED.	
THANK YOU JOHN SAUERZOPF	TOTAL \$35,367.00

Conditions: We agree to furnish new merchandise in exchange for any parts we supply that are found to be defective. We assume no liability of any kind such as labor cost expenses, or any type of damages, direct or indirect. Quote is based on information given by customer and may be subject to any changes occurring on the job. Quote valid for 30 days from date of issue. Payment terms as above, no retention. Customer accepts statements above, and attached terms and conditions.

PLEASE SIGN & SEND BACK WHEN APPROVED: PO#



THERMACOR[®] PROCESS, Inc.

P.O. BOX 79670 • 1670 HICKS FIELD ROAD EAST • FORT WORTH, TX 76179

PHONE (817) 847-7300 • FAX (817) 847-7222

QUOTATION No. N13648A – 91 UNIT PRICING 6/27/2025

TO:

**RE: SOLANO CC BLDG 300 & 1200 V
SOLANO, CA**

C/O: PACIFIC SALES ASSOC. // Ron Dunn

IN RESPONSE TO YOUR INQUIRY, WE SUBMIT THE FOLLOWING QUOTATION

ESTIMATED DELIVERY WILL ADVISE AFTER RECEIPT OF APPROVED SUBMITTALS	TERMS NET 30 DAYS	F.O.B. CHEHALIS, WA.	TO BE SHIPPED VIA BEST WAY
---	------------------------------------	---------------------------------------	---

THERMACOR PROCESS PIPING SYSTEM consisting of:

A. THERMACOR PROCESS FERRO-THERM:

Std. Wt. ERW Import Steel carrier pipe in SR lengths with polyurethane insulation in a HDPE jacket with mastic end seals. Joint and Fitting Kits consist of foam, sleeve & heat shrink sleeve & HS tape for fittings.

Pipe	Foam	Jacket	LF	90/Kits	Jt/Kits
4"	1.94"	8.6"	\$57.00 lf	\$ 210.00ea	\$132.00ea
6"	1.96"	10.8"	\$83.00 lf	\$ 295.00ea	\$156.00ea

PRICE FOR THE ABOVE SCOPE OF MATERIALS, NO TAXES INCLUDED: \$ _____

STEEL FITTINGS NOT INCLUDED.

NO TAXES, HEAT TRACE COMPONENTS, WALL SLEEVES, LINK SEALS, VALVES, OR FLANGES INCLUDED.

QUOTED WITHOUT THE BENEFIT OF PLANS OR SPECS PER CONTRACTOR'S TAKE-OFF

FREIGHT NOT INCLUDED.

FIELD SERVICE IF REQUIRED, ADD \$600 PER DAY TO QUOTED PRICE.

THIS QUOTATION IS FIRM FOR 30 DAYS. FAXED QUOTATIONS NOT VALID WITHOUT TERMS & CONDITIONS PAGE. THE TOTAL PRICING ABOVE IS FOR QUANTITIES INDICATED. ANY ADDITIONAL FOOTAGES OR ACCESSORIES REQUIRED WILL BE INVOICED AT PREVAILING PRICES.

OUR PRODUCTS ARE WARRANTED ONLY TO THE EXTENT THAT WE WILL REPLACE WITHOUT CHARGE, PRODUCTS PROVED TO HAVE MANUFACTURING DEFECTS WITHIN ONE YEAR OF THE DATE OF DELIVERY THEREOF AND PROVIDED WE HAVE BEEN GIVEN AN OPPORTUNITY TO INSPECT THE PRODUCT ALLEGED TO BE DEFECTIVE. NO WARRANTY IS INCLUDED AGAINST ANY EXPENSE FOR REMOVAL, RE-INSTALLATION OR OTHER CONSEQUENTIAL DAMAGES ARISING FROM ANY DEFECT. OWING TO THE WIDELY VARYING CONDITIONS UNDER WHICH OUR PRODUCTS ARE INSTALLED AND USED WE CANNOT BE AND ARE NOT BOUND, AND NO PERSON IS AUTHORIZED TO BIND US, BY ANY FURTHER WARRANTY WHATSOEVER EXPRESSED OR IMPLIED INCLUDING THE WARRANTY OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERMACOR WILL NOT ACCEPT ANY PURCHASE ORDERS INVOLVING RETAINAGE AND/OR LIQUIDATED DAMAGES, THIS QUOTE AND ANY ENSUING PURCHASE ORDER ("PO") ARE VALID ONLY WITH, AND SUBJECT TO, THERMACOR PROCESS INC.'S TERMS AND CONDITIONS OF SALE PUBLISHED AT [HTTP://WWW.THERMACOR.COM/LEGAL](http://www.thermacor.com/legal), WHICH ARE INCORPORATED HEREIN BY REFERENCE.

PLEASE REFER TO THE ABOVE QUOTATION NUMBER WHEN PLACING YOUR ORDER.

PREPARED BY: *Ken Foote*



Solano Community College Central Plant Modernization

Matrix Job #230477

CHANGE ORDER PROPOSAL SUMMARY SHEET

Owner Ref. No. _____
GC Ref. No. _____

Matrix COR No. 230477-42
Date: 8/19/2025
Prepared By: Mitch Lake

Change Order Description: Syserco to perform a Loss of Power test/s for equipment associated with the Central Plant Replacement Project. MHG to provide support as needed for testing to be conducted over (2) nights. Dates for testing are TBD. See the attached Syserco quote for further clarifications. The following is our cost for review and approval.

Schedule Impact: 0 days (this added scope requires an extension of the contract duration)

<u>HVAC Wet - Labor</u>				<u>HVAC Dry - Labor</u>			
Total	Hrs:	0.00		Total	Hrs:	0.00	
Foreman (X1.5) Rate: \$ 211.51	8.00	\$	1,692.08	24' - 25' Rates**	Foreman (X1.5) Rate: 232.39	0.00	\$ -
Journeyman (X1.5) Rate: \$ 199.41	0.00	\$	-	24' - 25' Rates**	Journeyman (X1.5) Rate: 212.09	0.00	\$ -
Foreman Rate: \$ 167.66	0.00	\$	-	24' - 25' Rates**	Foreman Rate: 182.92	0.00	\$ -
Journeyman Rate: \$ 157.82	0.00	\$	-	24' - 25' Rates**	Journeyman Rate: 169.06	0.00	\$ -
Project Manager: \$ 125.00	4.00	\$	500.00	24' - 25' Rates**	Project Manager: \$ 125.00	0.00	\$ -
Subtotal: \$ 2,192.08				Subtotal: \$ -			

<u>HVAC Wet - Material</u>				<u>HVAC Dry - Material</u>			
Materials: \$	-			Materials: \$	-		
Cartage: \$	-			Cartage: \$	-		
8.75% Tax: \$	-			8.75% Tax: \$	-		
Subtotal: \$ -				Subtotal: \$ -			

<u>Subcontractors</u>				<u>Rentals</u>			
Framing/Finishes	\$	-		Rental Equipment:	\$	-	
Concrete:	\$	-		Rental Tools:	\$	-	
Balancing:	\$	-		Med Tools:	\$	-	
Painting:	\$	-		Other:	\$	-	
Electrical:	\$	-		8.75% Tax:	\$	-	
Line Stop:	\$	-		Safety:	\$	-	
Hoisting/Rigging:	\$	-					
Controls:	\$	9,911.00					
Insulator:	\$	-					
Excavation:	\$	-					
Subtotal: \$ 9,911.00				Subtotal: \$ -			

<u>Other Costs</u>			
Shop Burden:	\$	-	
Detailing:	\$	-	
Disposal:	\$	-	
Permits:	\$	-	
Consumables:	\$	-	
Safety:	\$	-	
Subtotal: \$ -			

Total Labor: \$ 2,192.08
CA WO #16 \$ 91.34
Total Material & Equipment: \$ -
Other Costs: \$ -
Subtotal: \$ 2,283.42

Total Subcontractors: \$ 9,911.00
Subcontractor MU: 5% \$ 495.55
Direct Work OH&P: 15% \$ 342.51
Insurance & Bond: 2% \$ 214.98
Subtotal: \$ 13,247.46

***TOTAL COST FOR THIS CHANGE \$ 13,247.46**

I hereby agree to the following costs/extensions and want Matrix to proceed forward with the above change order: X _____

Quoted cost does not include labor escalation; labor has been priced at the current cost at the time this change was quoted.

(Customer Signature)

*This change estimate is based solely on direct cost elements for the work as specifically noted in the description of the change and as listed and priced in the attached estimate. This change proposal pricing does not include any cost for changes in the sequence of the work, delays, disruptions, rescheduling or acceleration to the work and extended overhead beyond those specific items as listed and priced in this proposal. Further, this change does not include cost impacts due to the cumulative affect of multiple changes on this change, other changes and/or the affect to our base contract work. We expressly reserve the right to compensation and notice of potential claim is made, for any and all of the aforementioned costs and related items noted as not included in this change proposal.

Mitchell Lake

From: Noe Ramos <Noe.Ramos@solano.edu>
Sent: Tuesday, June 10, 2025 11:49 AM
To: Mitchell Lake
Cc: solanoccd@kitchell.com
Subject: FW: SCCD - Loss of Power Test Parameters

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Solano CC CUP

Mitch,

The email below outlines the “Loss of Power” test that we would like to consider performing on the Central Plant during commissioning.

Can you let me know if there would be added costs from Matrix/ Syserco to perform this.

Thanks

Noe Ramos, CCM, DBIA

KITCHELL

C: (530) 701.6370

E: noe.ramos@solano.edu

From: Son Vardy <son.vardy@salasobrien.com>
Sent: Friday, June 6, 2025 5:08 PM
To: Noe Ramos <Noe.Ramos@solano.edu>
Cc: Evan Sarver <evan.sarver@salasobrien.com>; James Anderton <james.anderton@salasobrien.com>
Subject: SCCD - Loss of Power Test Parameters

CAUTION: This message originated from outside of the Solano Community College organization. Do not click on any links or open any attachments unless you know and trust the sender.

Hello Noe,

Per your request, please see below outline and parameters for loss of power test, for budgeting purposes:

Purpose of Loss of Power test:

To ensure critical safety and Environmental controls systems are able to continue to run (if on E-power) or are able to reboot and restart automatically without loss of control or unpredictable startup/failures.

Practicality of the Loss of Power test:

Most facilities work within budgets and not all critical environmental systems can be designed and operated to work with E-power. This is typically limited to data systems or highly controlled environments. Systems not designed for E-power operations are typically looked over for its ability to restart and

communicate with the automated controls so that systems return to design operation with minimal interruption.

For Example: Setpoint values that are critical to certain sequences of operation are dumped in the event of loss of power and the restarting parameters may cause the system to start at a setpoint which may be far from the last known current setpoint. This can create an array of challenges for the automated controls to bring the system back into stable and efficient operation/control. If the BAS system has battery or E-power service, it can be programmed to retain the setpoint value, however, if the system setpoint is determined by the systems internal control logic there may be some unforeseen operational and control issues.

Systems included in Loss of Power test:

Boilers and associated pumps and controls
Cooling towers and associated pumps and controls
Chillers and associated pumps and controls
Refrigerant Monitoring Systems and associated sensors, controls, and exhaust fans (EF-1 & EF-2)

Fire Protection and Alarms are excluded from this scope of work. FA to be tested by campus per T-24 requirements.

Loss of Power Specific Procedures and Staffing:

Loss of power procedures should be coordinated with Facilities and developed as part of a joint team effort (Elec. Engineer, Facilities Staff, and CxA) (TBD – Meeting specific for this needs to be completed)
Mechanical Contractor
BAS Controls Contractor
CxA Senior and Technical staff
Facilities Staff (Electrician)
(Open to other key stakeholders as warranted)

Project CxA Durations and schedules:

- Testing shall be conducted June 26 and 27th from 10PM PST to 5 AM PST.
- Chilled water systems shall be tested 1st and followed by heating systems.
- 7 hours per night, 2 nights anticipated. Loss of power to be performed on each night.

If you find this acceptable, please distribute to the contractor for pricing this effort.

Energetically yours,

SON VARDY

Commissioning Technician

O [949.517.4900](tel:949.517.4900)

D [949.517.4918](tel:949.517.4918)

E son.vardy@salasobrien.com



Engineered for Impact™



Change Order #7

June 18, 2025

Matrix HG./ 115 Mason Cir.

Concord, CA 94520

Re: Solano Community College CUP – Loss of Power Testing

Dear Mitchell:

Syserco Inc. is pleased to present the following proposed pricing and associated scope of work for the design, installation, programming and startup of a native BACnet System as follows.

This bid is based on the following contract documents:

- **Email sent by Mitchell Lake dated 6-10-25**

Scope of Work

Boiler Solar Generation Mode

Purpose of Loss of Power test:

To ensure critical safety and Environmental controls systems are able to continue to run (if on E-power) or are able to reboot and restart automatically without loss of control or unpredictable startup/failures.

Practicality of the Loss of Power test:

Most facilities work within budgets and not all critical environmental systems can be designed and operated to work with E-power. This is typically limited to data systems or highly controlled environments. Systems not designed for E-power operations are typically looked over for its ability to restart and communicate with the automated controls so that systems return to design operation with minimal interruption.

For Example: Setpoint values that are critical to certain sequences of operation are dumped in the event of loss of power and the restarting parameters may cause the system to start at a setpoint which may be far from the last known current setpoint. This can create an array of challenges for the automated controls to bring the system back into stable and efficient operation/control. If the BAS system has battery or E-power service, it can be programmed to retain the setpoint value, however, if the system setpoint is determined by the systems internal control logic there may be some unforeseen operational and control issues.

Systems included in Loss of Power test:

Boilers and associated pumps and controls

Cooling towers and associated pumps and controls

Chillers and associated pumps and controls

Refrigerant Monitoring Systems and associated sensors, controls, and exhaust fans (EF-1 & EF-2)

Fire Protection and Alarms are excluded from this scope of work. FA to be tested by campus per T-24 requirements.

Loss of Power Specific Procedures and Staffing:

Loss of power procedures should be coordinated with Facilities and developed as part of a joint team effort (Elec. Engineer, Facilities Staff, and CxA) (TBD – Meeting specific for this needs to be completed)

Mechanical Contractor

BAS Controls Contractor

CxA Senior and Technical staff

Facilities Staff (Electrician)

(Open to other key stakeholders as warranted)

Project CxA Durations and schedules:

- **Testing shall be conducted June 26 and 27th from 10PM PST to 5 AM PST.**
- **Chilled water systems shall be tested 1st and followed by heating systems.**
- **7 hours per night, 2 nights anticipated. Loss of power to be performed on each night.**

Exclusions: We specifically exclude all work not included in our Scope of Work above, including, but not limited to the following:

1. Smoke Control is specifically excluded and to be provided by Fire Alarm Contractor.
2. Smoke detectors supplied, installed, powered, controlled, interlocked to mechanical equipment by others.
3. Smoke Dampers and Smoke/Fire Dampers supplied, installed, powered, monitored and controlled by others.
4. All control wiring and/or installation of "ship loose" not directly connected to BAS hardware or BAS communications network is excluded unless noted above.
5. Automatic Control Dampers shall be supplied/installed by Mechanical Contractor.
6. 120V Power to all control and transformer panels is by Electrical Contractor.
7. All gauges, thermometers and other indicating devices supplied, installed, tubed by others.
8. Roof Penetrations, flashing, roof repair/patching and Wall/Floor cutting/patching/painting is excluded.
9. Motor Starters, Variable Frequency Drives and their installation is excluded.
10. The installation of all plumbing / inline devices and related items is excluded.
11. Cost for permits is excluded. If permits are needed they are to be procured by GC/Owner.
12. Overtime is excluded.

Terms and Conditions: This quotation is subject to acceptance within 45 calendar days and to all of the terms and conditions contained below.

1. This proposal will constitute the Scope of Work under Client's contract with Syserco Inc.
2. Syserco's quotation specifically excludes any "Pre-Payment" or "Early Payment" discounts. If contractor plans on enforcing any discount clause, the appropriate amount to offset any discount percentage is to be added to Syserco's final contract value.
3. A joint-check agreement is required between Syserco Inc. and Client unless Client has previously established satisfactory credit with Syserco Inc. Credit ratings are based solely on Syserco Inc.'s methods for determining credit worthiness and may change to reflect recent credit history.
4. Syserco is bondable, however the cost of bonds is not included and if required, shall be an additional expense to Client.

5. No work will commence on project, including engineering submittals until receipt of mutually agreeable contract that shall include, but not be limited to satisfactory progress payments, no special or limited consequential damages and all other terms no less favorable than the Contractor has with the owner.

Proposed Pricing:

Change Order Scope: \$9,911.00

I appreciate the opportunity to provide you with this proposal and look forward to our future involvement on this project. If you have any questions or additional requests, please do not hesitate to call me at (916) 268-0555.

Sincerely,

Kevin Hayes
Syserco Inc.