

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT



ADDENDUM NO. 01

Bid #1470 VAV Valves Replacements
at
District Operations Center

Address: 2323 North Broadway, Santa Ana, CA 92706

Project ID #2929

January 17, 2025

Owner:
Rancho Santiago Community College District
2323 North Broadway, Room 112
Santa Ana, California 92706

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM WHEN
SUBMITTED

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named on the previous page and all other conditions shall remain the same. The Bidders shall be responsible for transmitting this information to all affected Subcontractors and Suppliers, prior to the closing of Bids. Prospective Bidders shall acknowledge receipt of all Addenda in the space provided on the Bid Proposal Form by the number (list every addenda). Failure to do so shall deem the Bid Proposal as non-responsive and subject the Bidder to disqualification.

Item No. AD 1-1: Extension of Bid Due Date (see revised date in red)

Submittal of Bid Proposals. All Bid Proposals must be submitted on forms furnished by the District prior to 2:00 P.M., ~~January 22, 2025~~ **Tuesday, February 11, 2025** the last time for submission of Bid Proposals and the District's public opening and reading of Bid Proposals. Submit Bids to RSCCD Facility Planning, Construction and District Support Services at 2323 North Broadway, Suite 112, Santa Ana, CA 92706. Bidders are solely responsible for timely submission of Bid Proposals to the District at the designated location. The District shall not be responsible for any delays or issues with mail delivery. Any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. Bid Summary will be posted on the District's website (www.rsccd.edu) then click on "[Bid Opportunities](#)"

Item No. AD 1-2: Additional Question Due Date (see new date in red)

Pre-Bid Questions. All Bidder questions about the meaning or intent of the Contract Documents shall be directed to the District in writing by email to facilitiesbid@rsccd.edu ("Pre-Bid Questions") by utilizing the District's **Pre-Bid Clarification Form** provided within. Pre-Bid Questions and requests for clarifications must be submitted to the District by **5:00 P.M. January 24, 2025**. Bidders are solely responsible for submission of Pre-Bid Questions *prior to such time/date*; the District will not respond to Pre-Bid Questions submitted after such time/date. Responses to timely submitted Pre-Bid Questions will be in the form of Addenda posted on the District's Purchasing Department webpage. Bidders are solely responsible for review of the District's Purchasing Department webpage to obtain Addenda issued during the bidding process. No person is authorized to: (i) render an oral interpretation, correction or modification of any portion of the Contract Documents; or (ii) provide oral responses to Pre-Bid Questions. No Bidder may rely on any such oral interpretation, correction, modification or response.

Item No. AD 1-3: Estimated Value

The estimated value of the project is \$200,000 - \$300,000.

Item No. AD 1-4: Additional Scope of Work

Please see Attachment A – Scope of Work, Cooling Tower Make-Up Water Fill Valve Replacement.

Bid #1470 VAV Valve Replacements at DOC

Project ID #2929

Rancho Santiago Community College District Rev230106

Addendum No. 01 Page 2 of 3

Item No. AD 1-5: Building Controls System

Automated Logic Control (ALC) is the base building control system.

Item No. AD 1-6: Responses to RFIs

The following provides a response to the Bidder's Request for Information (RFI). See attached a total of five (5) RFI responses.

Enclosures:

RFIs 1 through 5.

Attachment A Item AD 1-3 Additional Scope of Work
Cooling Tower Make-Up Water Fill Valve Replacement & Drain
Line

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1. Observations and Existing Conditions

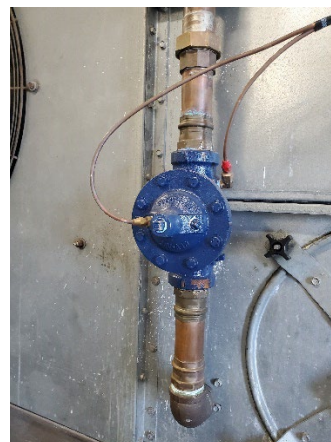
1.1 General Observations

The District Office Center central plant (roof) has a cooling tower with an existing makeup water valve and level control which requires replacement.

1.2 Importance of Equipment

The cooling tower provides cooling water to the chiller system. The mechanical devices have intermittently caused overflow to the mechanical room and are required to be replaced under this scope of work. The existing equipment consist of a makeup water level float control and the pneumatically actuated 2" clay valve. Both are located on the roof in the central plant mechanical equipment room.

1.3 Pictures of Existing Float Control and 2" Clay Valve Equipment are Shown Below



2. Scope of Work Overview

Attachment A Item AD 1-3 Additional Scope of Work
Cooling Tower Make-Up Water Fill Valve Replacement & Drain Line

The contractor is to provide all labor, materials, and equipment to replace the existing pneumatically actuated float control valve and 2” Clay valve with new electronic level control equipment.

This includes complete removal, disposal, and replacement of equipment, along with necessary plumbing, piping, system connections, electrical work, and building management system interface and alarming and notification in the event of water overflowing to the CP flooring.

2.1 Cooling Tower Makeup Water Control Scope of Work

2.1.1 Removal of Existing Pneumatic Float and Clay Valve

- “Isolate”, disconnect and remove the existing float within the E-Z Float basin.
- Leave the EZ-Float basin intact for reuse and the addition of an electronic level sensor.
- Close and secure the ball valve makeup water line running to the Clay valve.
- Remove the 2” Clay valve.
- Return used equipment to the District Office representative.

2.1.2 Installation of New Makeup Water Level Controller, Level Sensor, Electronic Control Valve, and Floor Leak Detection Sensor.

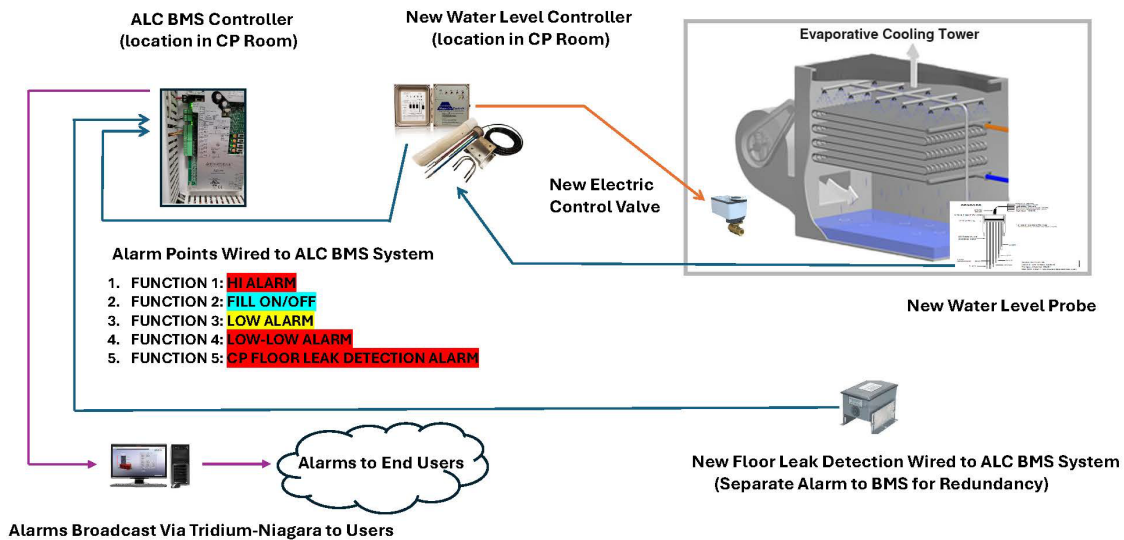
The contractor must furnish and install a new equipment from one of the following acceptable manufacturers, distributors, or an approved equal:

- **Kele & Associates; Simplex Water Level Fill Control w/ High, Low & Low-Low Alarms Dynamics/Waterline Level Controls**
- **Alps Controls; Multipoint Level Controllers, WLC-6000-110VAC**
- **Waterline Controls, Scottsdale, AZ; Fill Control, High, Low & Low-Low Alarm**
- **Or approved equal**

The contractor must provide a submittal document for District review and approval on the proposed equipment, prior to ordering any equipment.

The pictorial Graphic below demonstrates the overall intent to install new equipment that must meet or exceed the following specifications:

DOC Cooling Tower Water Alarming and Level Control



2.1.3 Equipment, Piping, Electrical, and BMS Control Installation Requirements

- Furnish and install, one(1) new, 120 VAC Water Level Fill Control Instrument with the following features:
 - High, Low & Low-Low Alarms.
 - NEMA 4X control enclosure.
 - Intuitive LED indicators.
 - Dry contact for BMS, BAS connection.
 - Fully automated with embedded microprocessor.
 - Color coded sensor rods & wires for intuitive installation.
 - Test Push-button for output devices.
 - Power relays for valves.
 - Extendable sensor probes.
 - Factory furnished w- minimum 50' sensor probe cabling.
 - 5 Year Limited Warranty.
- Wire the above listed Alarm points (do not include Fill ON/OFF status) into the Automated Logic Controller in the CP room.
- Note: prior to ordering and installation of equipment, contractor to take precise measurements of the water level requirements in the cooling tower basin and submit to District Representative on the operating range of the sensor elements.
- Install new 2", two-way, Belimo makeup water control fill valve from the domestic water line into the point of cooling tower entry.
 - Actuator to be 24 VAC, 2 – Position, Open-Close, with a fail-safe position of CLOSED.
 - Contractor to furnish, wire and install one (1) new, Class 2, 120/24 VAC, (less than 100 VA) control transformer with built in C/B for protection.

Attachment A Item AD 1-3 Additional Scope of Work
Cooling Tower Make-Up Water Fill Valve Replacement & Drain Line

- Actuator to have “Override” capability to operate Open in the event of low voltage power failure.
- Contractor to determine correct Cv value for the 2 – way valve based upon domestic water pressure in the building.
- Furnish and install in the existing EZ FLOAT container, one (1) new water level sensor probe to include the following features:
 - Minimum 50’, factory supplied sensor cabling. Contractor to order correct cable length.
 - HIGH ALARM.
 - FILL ON/OFF.
 - LOW ALARM.
 - LOW-LOW ALARM.
- Sensor cabling to be in conduit installed to the new level controller.
- Furnish and install one (1) KELE WD-1B Floor level water leak detection sensor.
 - Wire to spare input on the Automated Logic Control panel in the CP room.
 - Calibrate correct alarm level for water overflow on the CP floor.
- Layout and install controller equipment, valve and associated piping to intake and discharge with special attention being given to manufacturer’s specifications that may affect proper functioning of the equipment as required by the manufacturer.

2.1.4 Electrical Work

- Prior to ordering equipment, verify and confirm electrical compatibility of existing 120 VAC branch circuit, and local service disconnect with the new.
 - Communicate notes/observations with the RSCCD District Representative.
- Contractor to utilize existing 120 VAC electrical branch circuit, conduit, and wire to the electrical panel, in use for the ALC control panel.
 - Electrical re-connections to be of the highest workmanship, quality and in full compliance with the latest revision of the NEC Code.
 - Install new conduit, seal-tight electrical flex connection and wire from the electrical connection to the Water Level Control panel, level sensor, and control valve.
- Ensure all electrical work complies with the latest National Electrical Code (NEC).

2.1.4 BMS Interface Work

- Contractor to carry District approved BMS Control contractor within this Scope of Work.
 - BMS to Alarm from the Automated Logic System to the District Wide Tridium-Niagara.
 - Coordinated the Alarm notifications and messaging with the District representative prior to implementation.

3.1.1 Additional Project Notes

- The intent of this project is to have a fully functioning Cooling Tower makeup water control with the following:
 - Level control to maintain proper water level in the Cooling Tower basin.
 - High Alarm indication with Alerts/Messaging in the event of a basin overflowing.

Attachment A Item AD 1-3 Additional Scope of Work
Cooling Tower Make-Up Water Fill Valve Replacement & Drain Line

- Low Alarm indication with Alerts/Messaging in the event of a basin low water condition.
 - Program BMS to Alarm from the Automated Logic System to the District Wide Tridium-Niagara.
 - During the progression and completion of the work, District will inspect and test the system.
 - Attached below catalog sheets for Water Detector and Water Level Fill Control
-

4.1 Overflow drain line

4.1.1 Installation of visual warning drain line

- Provide and install a ¼” PVC drain line from the floor of the roof level mechanical room, terminating about 10 feet laterally above the sink in the kitchenette on the level below. See below floor plans for reference.
- Prior to coring, x-ray the floor to avoid cutting rebar.
- Core a 1” hole in at the roof level to accommodate the new drain line.
- The drain line in the ceiling above the kitchenette will be attached to the concrete roof structure above.
- Terminate the drain line to 1” below the ceiling tile, directly above the sink. Seal the drain line at the floor of the roof level.

4.1.2

- Floor plan of 4th floor and roof levels depicting location of new drain line installation and photos below.



LEVEL & LEAK DETECTION

KELE WATER DETECTOR

WD-1B

DESCRIPTION

The **Kele WD-1B** water detector features gold-plated probes and microchip technology for dependable detection of conductive liquids. The **Model WD-1B** can be operated from 11-27 VAC/VDC. For application flexibility, SPDT contacts are provided to connect to a monitoring system. A height-adjustable, cast-aluminum, weatherproof enclosure is standard. A green LED visible outside the box indicates power. A red LED indicates water detected. The **Model WD-1B** is also available with an external tape style sensor, the Model WD-2-T.



FEATURES

- **Weather resistant enclosure**
- **Easy to install**
- **SPDT alarm contacts**
- **11-27 VAC/DC(50/60 Hz)**
- **Reliable operation**
- **LEDs for power and alarm indication (green, red)**
- **Adjustable detection level**

OPERATION

The **Model WD-1B** can be used with any contact-closure monitoring panel. The SPDT contacts may be wired normally open or normally closed, allowing wiring flexibility to handle most installations.

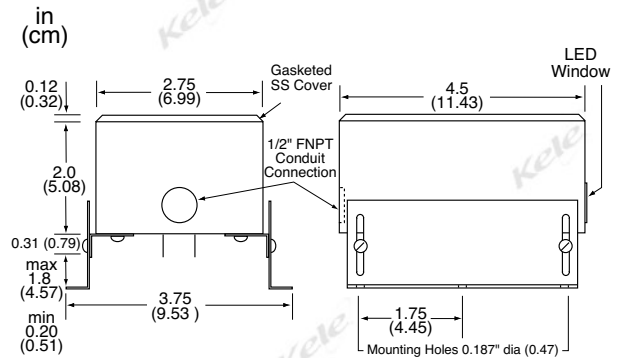
MOUNTING

Secure by applying a silicone adhesive to the mounting feet and placing the sensor in the area to be protected. For more permanent installations, fasten the sensor using the 0.19" (0.48 cm) holes provided in the mounting feet with #6 or #8 screws. The legs are adjustable 1.5" (3.81 cm) for precise water level signaling.

SPECIFICATIONS

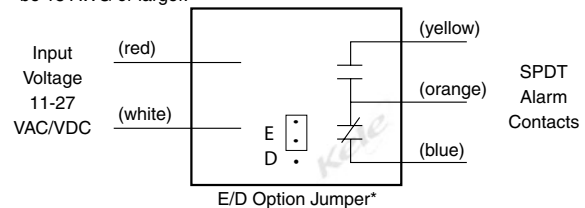
Supply Voltage	11-27 VAC @ 1.7 VA; 11-27 VDC @ 30 mA
Relay Type	SPDT
Relay Rating	1 A @ 24 VAC/VDC, 1/2 A @ 120 VAC
Display	Green LED = Power Red LED = Alarm
Probe	Gold plated, 1.5" adjustable
Operating Temperature	32° to 158°F (0° to 70°C)
Enclosure Rating	NEMA 4, Cast aluminum, weather resistant with adjustable legs
Dimensions	4.3"H X 3.75"W X 4.5"L (10.7 X 9.5 X 11.4 cm)
Weight	0.98 lb (0.4445 Kg)
Approvals	CE
Warranty	1 year

DIMENSIONS



WIRING

The **WD-1B** is provided with a 1/2" FNPT conduit connection in the end of the enclosure. Terminations are made to the color-coded wires with field-supplied connectors. All interconnect wiring should be 18 AWG or larger.



If grounded AC power is used, the grounded power supply lead must be connected to the white lead on the **WD-1B**, or the unit may fail to operate.

*E/D Option Jumper:

E = Output relay is energized when water is detected.
(No alarm on power loss)

D = Output relay is de-energized when water is detected or when power is lost. (Alarm on when water is present or power loss)

ORDERING INFORMATION

MODEL
WD-1B
WD-1B-C

DESCRIPTION

Water detector
Water detector with normally-energized relay (alarms when power is lost or water is detected)

RELATED PRODUCTS

WD-2-T

Water detector (tape style sensor)



WLC-6000-110VAC SUBMITTAL

Simplex Water Level Fill Control w/ High, Low & Low-Low Alarms

NEW MORE RELIABLE TECHNOLOGY by Waterline Controls® FOR SPECIFYING ENGINEERS WITH A TESTED & PROVEN TRACK RECORD in MRO APPLICATIONS for 10+ years.

Our controls can REPLACE ALL SENSOR & CONTROL TYPES in ALL water based applications.

We ARE NOT similar to float switches, capacitive, conductive, ultrasonic, or pressure transducers. We ARE more reliable, easy to operate, & last longer.



Features:

- 5 Year Limited Warranty
- NEMA 4x control enclosure
- Intuitive LED indicators
- Dry contact connections for BMS, BAS, or fire panel
- Fully automated by microprocessor
- Color coded sensor rods & wires for intuitive installation
- Test Push-button for output devices
- Power relays for valves, pumps, etc.
- Optional temperature sensor controlled relay
- Controls can be mounted in equipment room w/ sensor wired remotely
- Push-button for relay test
- Modular construction
- Extendable sensor probes

Benefits:

- Permanently eliminate float switches
- Less than 1% failure rate in the field
- Intrinsically safe - no high voltage in water
- Never needs recalibration
- Fully Commercialized
- Sensor will not plate, foul, or deteriorate
- Water quality does not matter
- Flexibility in design to meet any scenario
- Minimal maintenance
- Stand-alone controls
- Only moving parts are replaceable relays

Sensor and Control Panel Pre-Installation Planning Guidelines

Sensor and Control Panel Considerations

- Use the metal of the cooling tower as a barrier from EMF interference (radar, cell, antenna or radio towers).
- Do NOT use the same power source or ground circuit of a VFD.
- Do NOT run the sensor cable parallel to VFD control wires or high voltage lines.
- If the control panel and/or sensor cannot be out of site of a VFD, then maintain at least 15 feet from VFD panels, wires.

Rules for High and Low voltage circuits

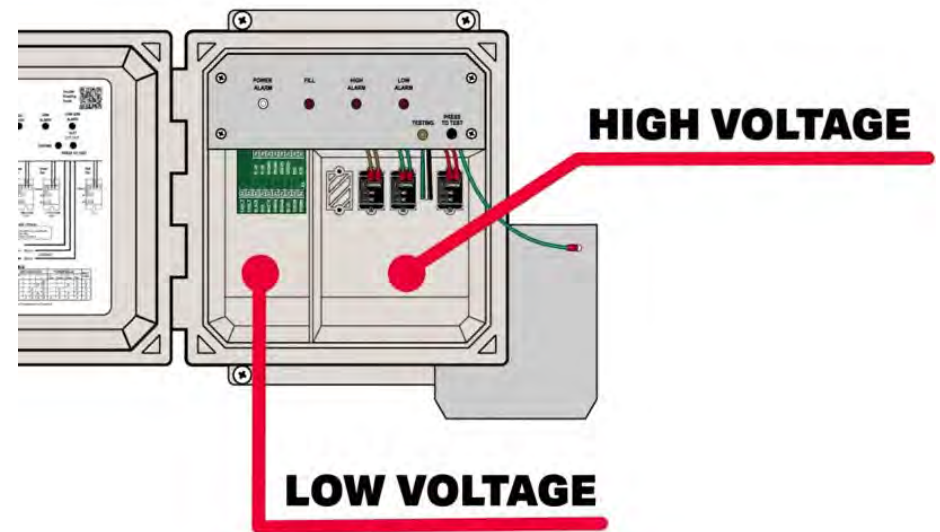
- Maintain at least 3" spacing between the sensor cable and high voltage lines.
- Do NOT run the sensor cable in the same conduit with high voltage lines.
- When crossing high voltage lines, cross them perpendicularly.
- Do NOT coil excess sensor cable.

Sensor Cable Length

- The sensor cable comes in 50-foot increments, starting at 50ft. Order the cable longer than you need it. The sensor cable should be cut to fit. Be sure to leave enough slack (1 ½ times the length of the longest rod) in the sensor cable in the event the sensor needs to be removed for maintenance or inspection. If a sensor cable splice is necessary, contact Waterline Controls to order a splice box enclosure.
- Install the sensor cable in earth grounded metal conduit separate from the earth grounded metal electrical conduit housing high voltage lines. In those cases where running separate conduit is not plausible then follow the rules for high and low voltage circuits. Do NOT zip tie the sensor cable to conduit carrying high voltage lines.

Control Panel

- Provide a dedicated 15 to 20-Amp circuit to the control panel. Do NOT share the ground or neutral with other circuits and by no means should the circuit for a VFD be used.
- We recommend placing the control panel as close to the cooling tower as possible keeping it above the water basin and out of sight of any Variable Frequency Drives (VFD).
- The control panel should be mounted in a convenient location where water spray will not impinge upon the unit and at a height above the tank overflow level to prevent water from feeding into the sensor wire conduit.
- Plan to mount the control panel where the low voltage wire crosses (perpendicularly) the least number of high voltage circuits.

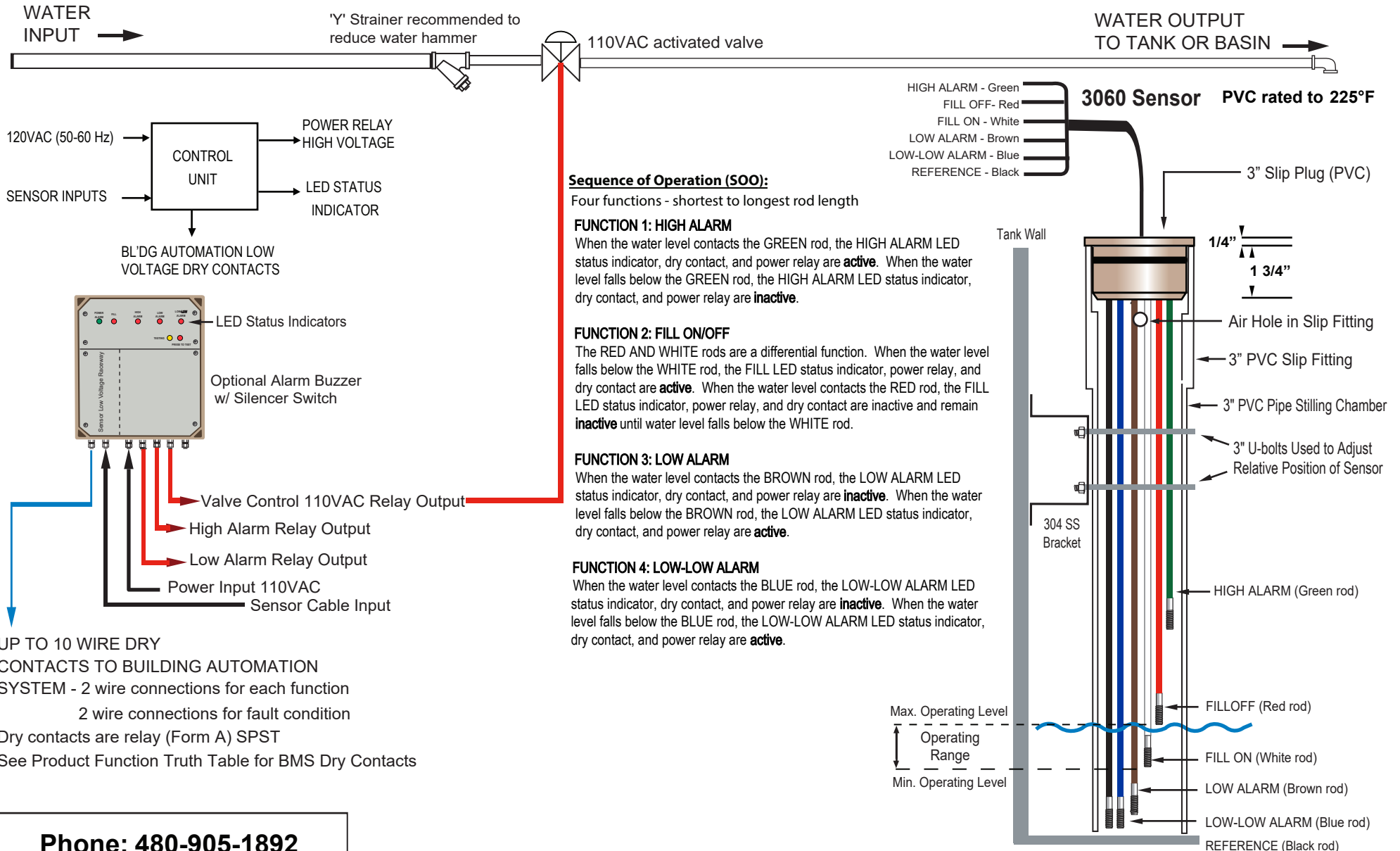


Phone: 480-905-1892
www.waterlinecontrols.com
Email: info@waterlinecontrols.com



WLC-6000-110VAC SUBMITTAL

Simplex Water Level Fill Control w/ High, Low & Low-Low Alarms



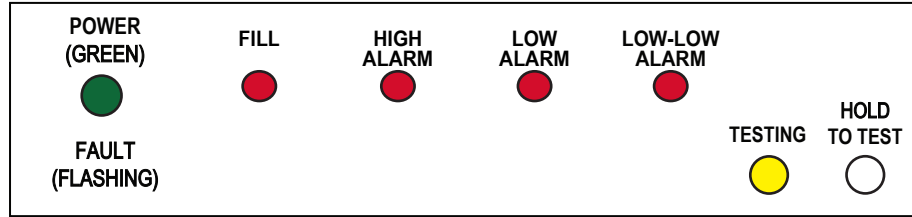
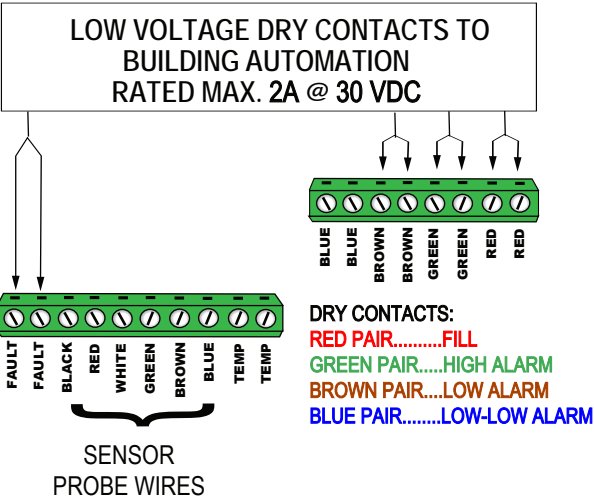
Phone: 480-905-1892
www.waterlinecontrols.com
Email: info@waterlinecontrols.com

Sensor shown with Side Wall Mount. Other mounting options are available.
 3" PVC pipe of length greater than or equal to length of longest rod.
 Adjust by moving 3" PVC Pipe upward/ downward, then tighten U-bolt.

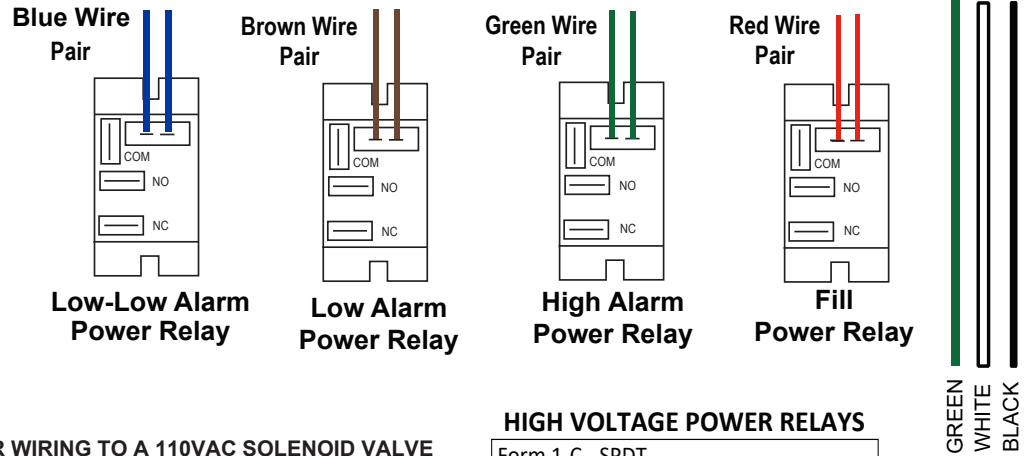
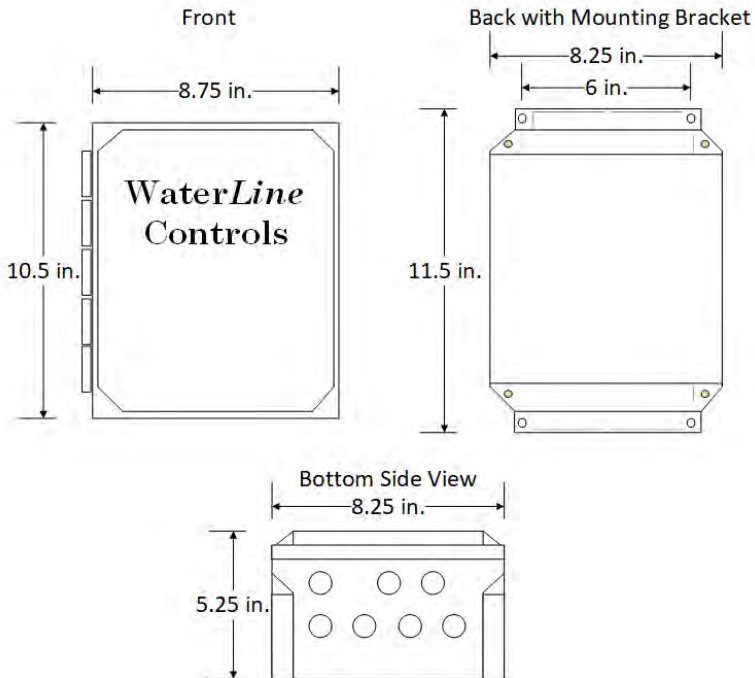
WLC-6000-110VAC SUBMITTAL

Simplex Water Level Fill Control w/ High, Low & Low-Low Alarms

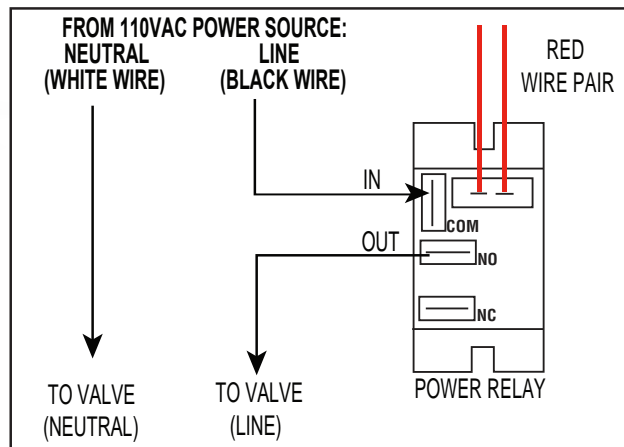
PHYSICAL WIRING CONNECTIONS



CONTROL UNIT RATINGS	
VOLTS:	110 VAC (50/60 HZ)
AMPS:	0.5 AMPS
WATTS:	55W
220VAC ALSO AVAILABLE	

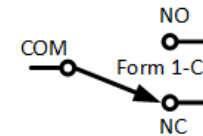


EXAMPLE FOR WIRING TO A 110VAC SOLENOID VALVE



HIGH VOLTAGE POWER RELAYS

Form 1-C - SPDT
 Rated max.: 120 VAC @ 40A
 All relays are typical
 All relay terminals are 1/4" male spade



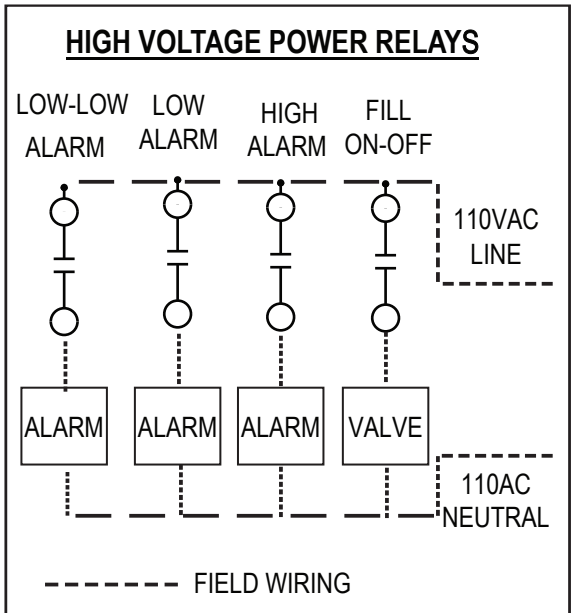
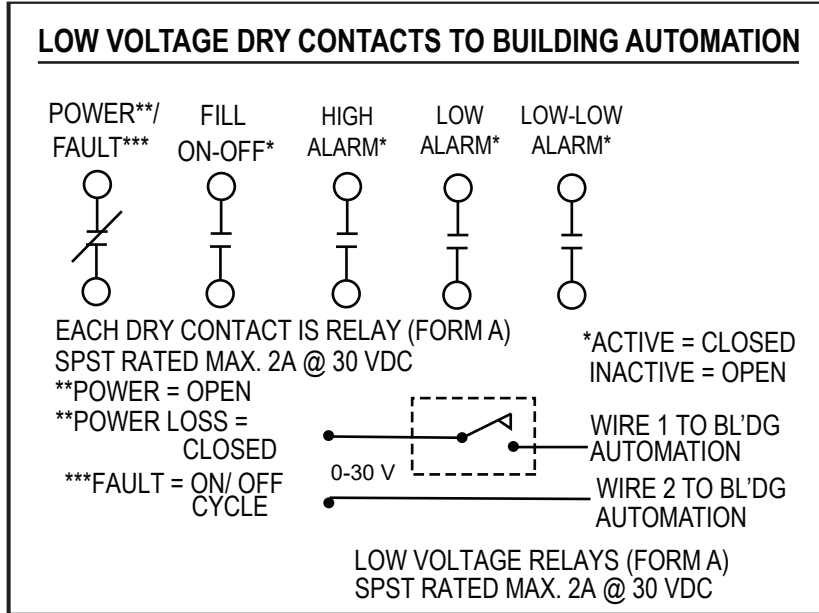
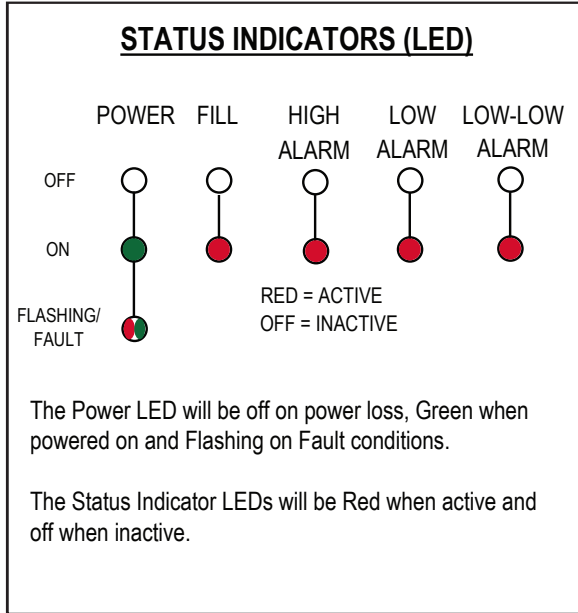
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WLC-6000-110VAC SUBMITTAL

Simplex Water Level Fill Control w/ High, Low & Low-Low Alarms

Functional Wiring Diagrams



Example of 110VAC devices wired to power relays

PRODUCT FUNCTION TRUTH TABLE The Blank spaces below mean "No Connection or Function"

MODEL	BMS DRY CONTACTS						POWER RELAY				SELF TEST
	FAULT/ POWER LOSS	LOW-Low ALARM	LOW ALARM	HIGH ALARM	FILL	BAS WIRES	LOW-Low ALARM	LOW ALARM	HIGH ALARM	FILL	
WLC-6000	X	X	X	X	X	10	X	X	X	X	X

Phone: 480-905-1892
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 Email: info@waterlinecontrols.com



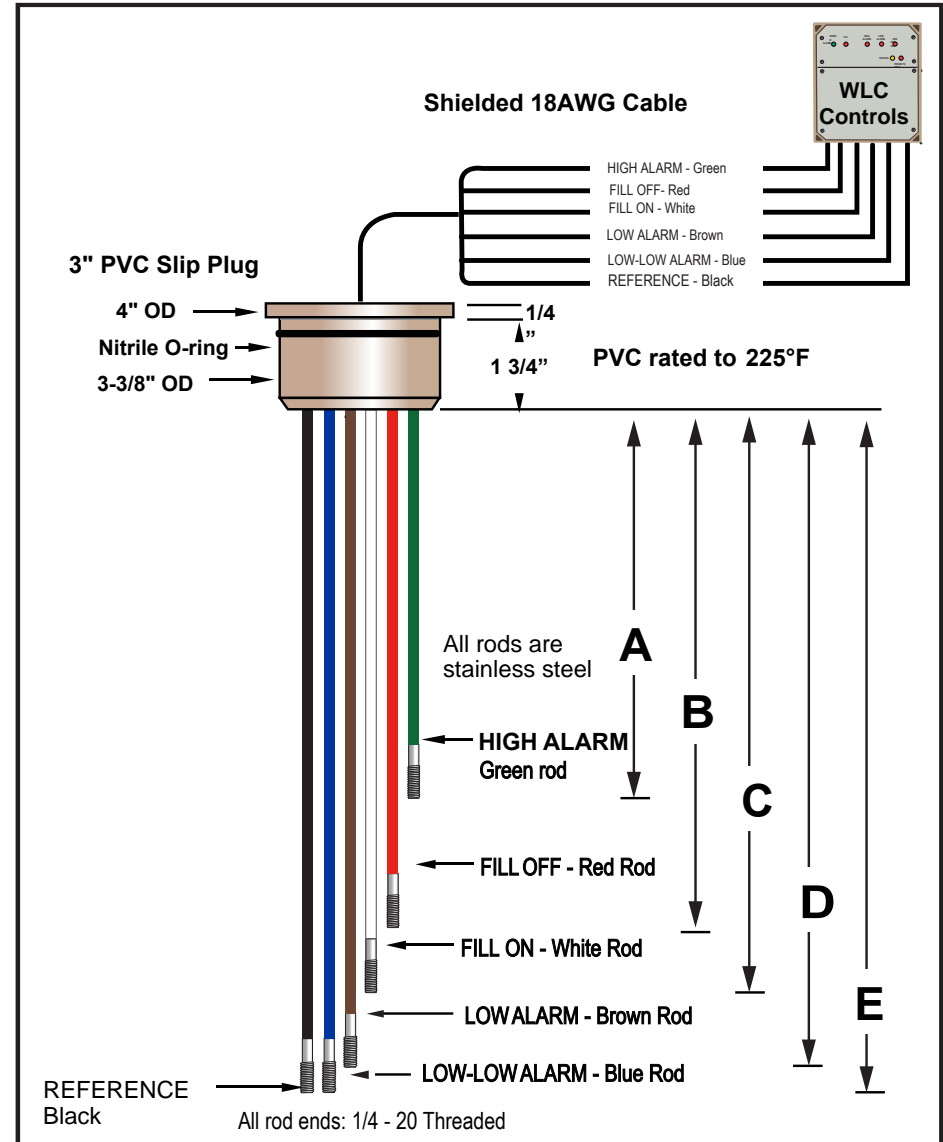
3060 Sensor

Simplex Water Level Fill Control w/ High, Low, Low-Low Alarms

Standard Cable length is 50 ft.
 Available in 50ft increments up to 350 ft.
 Over 350 ft. please call
 All rods are 304 stainless steel with 1/4-20 threaded ends.
 Sensor rods can be extended using an Extension Rod kit accessory.
 Sensor rods & wires are Intrinsically safe with circuit limited signals.

LENGTHS			
SENSOR		Standard	
Green	HIGH ALARM	A	10-3/8"
Red	FILL OFF	B	14"
White	FILL ON	C	15"
Brown	LOW ALARM	D	16-3/8"
Blue	LOW-LOW ALARM	E	17"
Black	Same length as longest rod		

Optional Extension rod kit to extend rods by 45.5"
 Extension rods are threaded at each end to allow for any depths.
 PART # SENSOR-EXT6-45.5in



Phone: 480-905-1892
www.waterlinecontrols.com
 Email: info@waterlinecontrols.com

Electronic Water Level Management Systems

5 Year Limited Warranty - *WaterLine* Controls®

The 5 Year Limited Warranty is extended to the original consumer purchaser of this *WaterLine* Controls manufactured by *WaterLine* Controls, Scottsdale, Arizona. *WaterLine* Controls warrants the unit, including the parts and components thereof, to be free of defects in material and workmanship under normal use and service conditions. This warranty does not cover plumbing or normal replacement items and parts, including gaskets and O-rings. *WaterLine* Controls does not cover improper installation of the unit or its parts. If you have any questions regarding the installation of your *WaterLine* Controls unit, please feel free to contact us. Be sure to include the serial number of your unit.

The 5 Year Limited Warranty commences on the date of installation. Parts discovered to have manufacturing defects within 1 Year of installation shall be replaced at no charge to the original consumer. Defects discovered after one year and up to the fifth year following the installation, shall be replaced at a fee of \$275.00 per item. *WaterLine* Controls will repair or replace, at its option, a unit or part proved to be defective within the warranty period and under the conditions of this 5 Year Limited Warranty.

This 5 Year Limited Warranty does not apply if the failure is caused or contributed by any of the following: power surges, acts of God, power failure or reduction of power supplied to the unit, unusual atmospheric conditions, improper handling, improper storage, winter freezing, abuse, improper installation, unsuitable application, lack of reasonable and necessary maintenance, natural disasters, or repairs/alterations made or attempted by other than *WaterLine* Controls or an Authorized Technician approved by *WaterLine* Controls.

The consumer must deliver or ship the unit or warranty parts freight prepaid to *WaterLine* Controls. Authorization to return an item to *WaterLine* Controls must be obtained from *WaterLine* Controls Customer Service Department at 480-905-1892. For further assistance with this process please contact the Customer Service Department. Be sure you insure your shipment against loss or damage in transit.

WaterLine Controls is not responsible for the cost of removal of the unit or parts of the unit, damages due to removal, or any other expenses incurred, including in shipping the unit or parts to or from *WaterLine* Controls or its closest Authorized Service Center or the installation of the repaired or replaced unit. The consumer must bear these expenses.

THIS 5 YEAR LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL SUCH OTHER WARRANTIES ARE DISCLAIMED EXCEPT TO THE EXTENT ANY IMPLIED WARRANTY MAY BE IMPOSED BY STATE CONSUMER LAW. ANY SUCH IMPLIED WARRANTY IMPOSED BY STATE CONSUMER LAW IS LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF INSTALLATION. IN NO EVENT SHALL *WATERLINE* CONTROLS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ANY NATURE OR KIND OR FOR DAMAGES TO PERSONS OR PROPERTY, INCLUDING ANY DAMAGE RESULTING FROM THE USE OF THE UNIT WITH A SUBSTANDARD WATER CIRCULATION OR SUPPLY SYSTEM.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

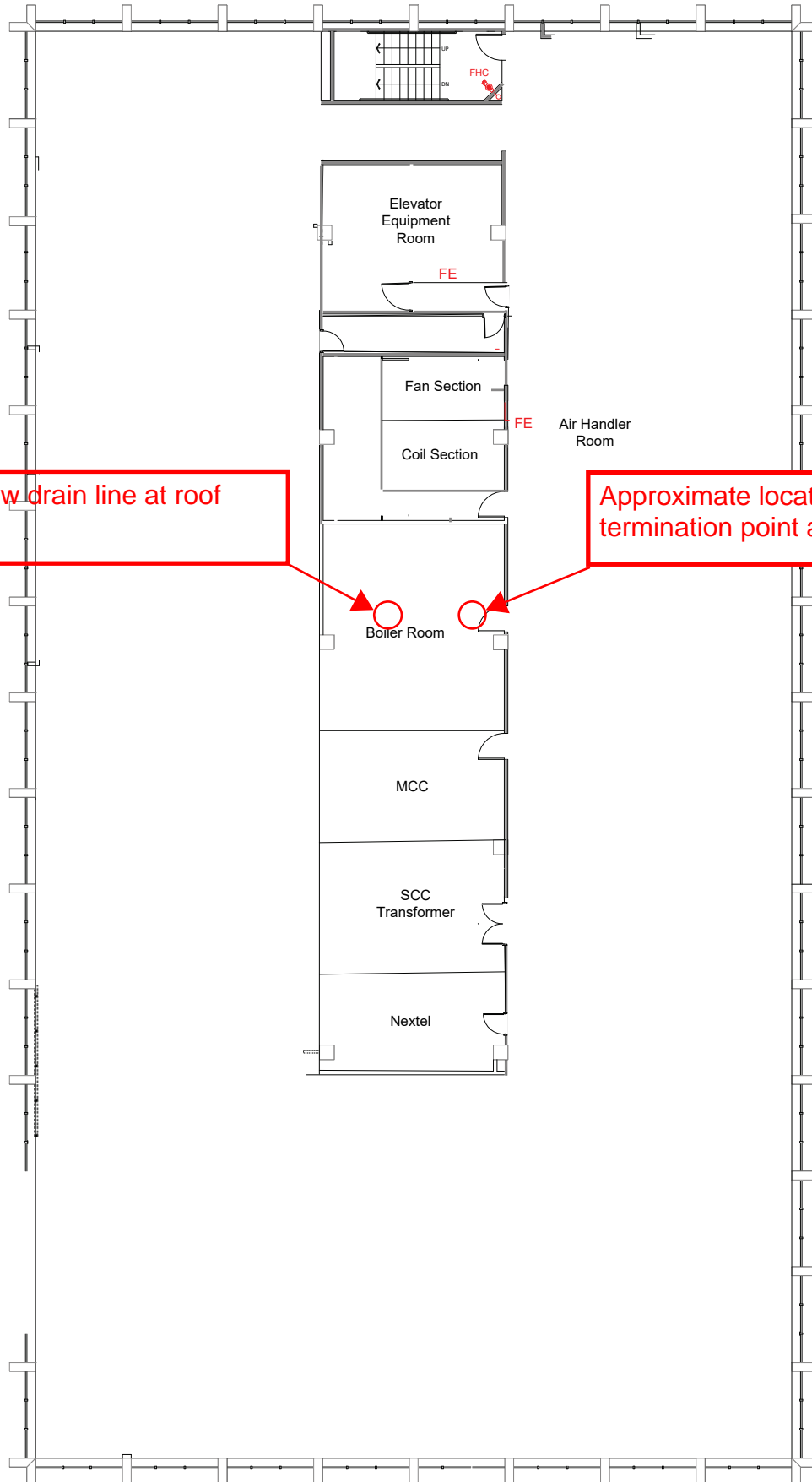
This limited warranty is valid only in the United States of America and Canada.

WaterLine Controls • PO Box 12544 Scottsdale • Arizona 85267

Phone: 480-905-1892 Email: info@waterlinecontrols.com

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Rancho Santiago Community College District Office Roof



Location of new drain line at roof level.

Approximate location of sink termination point at level 4 below.

LEGEND:
FHC- FIRE HOSE CONN.
FE- FIRE EXTINGUISHER

Rancho Santiago Community College District Office 4th Floor



Approximate location of drain line location at roof level Boiler Room. The lateral distance from to the sink is approximately 10'.

Drain line shall terminate above the sink in kitchenette room 404-6.

LEGEND:
FHC- FIRE HOSE CONN.
FE- FIRE EXTINGUISHER

PRE-BID CLARIFICATION FORM

(Email this completed form to FacilitiesBid@rscsd.edu. See Instructions to Bidders.)

PROJECT NAME:	VAV Valve Replacements Project at District Operations Center		
PROJECT NUMBER:	2929	BID NUMBER:	1470
EMAIL TO: facilitiesbid@rscsd.edu			
DATE:	1/8/2025		
FROM:	Air-Ex Air Conditioning, Inc.	EMAIL:	chance@air-ex.com
SPEC SECTION:	Scope of work - Page 1	DRAWING NUMBER:	Section - "Specific"- Item 2_vi
REQUESTED CLARIFICATION:			
<p>The 64 boxes that require controls valves described in note 5 have balancing valves built into the assembly. Note 7 shows to add a separate balancing valve in series with the control valve. Please clarify that the note 7 balancing valve is not required for the 64 VAV boxes that have the Pressure Independent capabilities. See attached scope of work document that is annotated with the information.</p>			
RESPONSE TO CLARIFICATION:			
<p>Provide both calibrated balancing valve and modulating control valve per scope of work requirements. The acceptable coil piping package manufacturers are listed in specification 232116 Hydronic Piping Specialties page 89 of 91.</p>			
<p>Answered by P2S Engineers 01/10/25</p>			

END OF DOCUMENT

PRE-BID CLARIFICATION FORM

(Email this completed form to FacilitiesBid@rsccd.edu. See Instructions to Bidders.)

PROJECT NAME:	VAV Valve Replacements Project at District Operations Center		
PROJECT NUMBER:	2929	BID NUMBER:	1470
EMAIL TO: facilitiesbid@rsccd.edu			
DATE:	1/8/2025		
FROM:	Air-Ex Air Conditioning, Inc.	EMAIL:	chance@air-ex.com
SPEC SECTION:	Attachment E VAV Inspection Report	DRAWING NUMBER:	Pages 12- 17
REQUESTED CLARIFICATION:			
<p>There are several boxes without valve tag information regarding GPM requirements. Please clarify the GPM requirements for the control valves listed below.</p> <p>Page 12: 1st Floor Item 2 - VAV 2183 - 8" Box 1st Floor Item 6 - VAV 2113 - 16" Box 1st Floor Item 7 - VAV 2363 - 10" Box</p> <p>Page 13: 2nd Floor Item 11 - VAV RM201 - No box information provided for Valve GPM Rate</p> <p>Page 14: 2nd Floor Item 19 - VAV 2128 - 14" Box 2nd Floor Item 25 - VAV 2360 - 14" Box 3rd Floor Item 1 - VAV 2530 - 14" Box</p> <p>Page 15: 3rd Floor Item 9 - VAV 2169 - 16" Box 3rd Floor Item 25 - VAV 2285 - 6" Box 4th Floor Item 2 - VAV Z-2 - No Box Information provided for Valve GPM Rate</p> <p>Page 16: 4th Floor Item 6 - VAV Z-18 - No Box Information Provided for Valve GPM Rate</p>			
RESPONSE TO CLARIFICATION:			
<p>The Contractor is responsible for determining hot water flow rates for the VAV boxes with missing flow rates. The flow rates for the VAV boxes are not available.</p>			
<p>Answered by P2S Engineers 01/10/25</p>			

END OF DOCUMENT

PRE-BID CLARIFICATION FORM

(Email this completed form to FacilitiesBid@rsccd.edu. See Instructions to Bidders.)

PROJECT NAME:	VAV Valve Replacements Project at District Operations Center		
PROJECT NUMBER:	2929	BID NUMBER:	1470
EMAIL TO: facilitiesbid@rsccd.edu			
DATE:	12/30/2025		
FROM:	Paige Greene	EMAIL:	pgreene@allison1.net
SPEC SECTION:		DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
Please provide a contact for the district's controls contractor			
RESPONSE TO CLARIFICATION:			
<p>Approved controls vendors *Current District Operations Center Building Automation System Service Contractor</p> <ul style="list-style-type: none"> •EMCOR Services / Mesa Energy Systems. Contact RT Gibson. (949) 410 – 5282 rgibson@emcor.net •RL Controls. Contact Robert Levy. (562) 991 - 4823 1robertlevy@gmail.com •Enviser. (aka Southland). Contact Craig Gonzalez (800) 613 – 6240 cgonzalez@southland.com •Sunbelt Controls. Contact Sales (714) 352-2226 sales@sunbeltcontrols.com •Climatec. Contact Ryan Cheng (949) 394-1865 ryanc@climatec.com •Next Level Controls. Contact Sandeep Dhillon (213) 503-2022 sd@nextlevelems.com <p>Answered by RSCCD 01/10/25</p>			

END OF DOCUMENT

PRE-BID CLARIFICATION FORM

(Email this completed form to FacilitiesBid@rsccd.edu. See Instructions to Bidders.)

PROJECT NAME:	VAV Valve Replacements Project at District Operations Center		
PROJECT NUMBER:	2929	BID NUMBER:	1470
EMAIL TO: facilitiesbid@rsccd.edu			
DATE:	12/30/2025		
FROM:	Paige Greene	EMAIL:	pgreene@allison1.net
SPEC SECTION:		DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>Please confirm that temporary HVAC will not be required as long as units are running before the start of the next work day</p>			
RESPONSE TO CLARIFICATION:			
<p>It is confirmed that temporary HVAC will not be required as long as units are running before the start of the next work day.</p> <p>Answered by RSCCD 01/10/25</p>			

END OF DOCUMENT

PRE-BID CLARIFICATION FORM

(Email this completed form to FacilitiesBid@rsccd.edu. See Instructions to Bidders.)

PROJECT NAME:	VAV Valve Replacements Project at District Operations Center		
PROJECT NUMBER:	2929	BID NUMBER:	1470
EMAIL TO: facilitiesbid@rsccd.edu			
DATE:	12/30/2025		
FROM:	Paige Greene	EMAIL:	pgreene@allison1.net
SPEC SECTION:		DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>Please confirm that the awarded contractor is responsible for moving and protecting any office furniture or equipment that may be in the way of work.</p>			
RESPONSE TO CLARIFICATION:			
<p>The awarded Contractor is responsible for moving and protecting any office furniture or equipment.</p> <p>Answered by RSCCD 01/10/25</p>			

END OF DOCUMENT