



Control Panel Scope of Supply
4/30/2020
IHS DAVIS
DAVIS, CA

General information

- ELECTRICAL SERVICE - 480V, 3 Phase
- PUMPS - (2) 3HP, 460V, 3 PH, 4.6FLA, DUPLEX configuration
- PUMPS - MODEL EBARA , 100DLFU62.24
- PRIMARY CONTROLLER - PUMP CONTROLLER Alternator configured for DUPLEX
- PANEL MOUNTING - WALL MOUNTED
- DEVICE MOUNTING - INNER SWING PANEL

Liquid level sensing

- LEVEL SENSING - (4) NOLTA FLOATS

Station Control Panel

Qty.	Description
1	NEMA 4 PAINTED STEEL, 40"H X 32"W X 12"D enclosure.
1	Main circuit breaker operable through dead front.
1	Phase / Voltage Monitoring device to detect incoming power to the pump station and prevent the pumps from running if a voltage problem exists.
1	Transient Voltage Surge Suppression device to protect controls and associated equipment.
2	Pump motor circuit breakers, accessible through dead front.
2	Full voltage starter, with thermally compensated overloads sized to the full load current of the motor.
1	2kVA Control power transformer
1	10A circuit breaker - Area Lighting
1	Primary pump control of type ALTERNATOR configured for DUPLEX alternation.
2	HAND-OFF-AUTO switches for operation of the pump station in conjunction with liquid level indications
2	Pump hour meters.
2	Pump overload reset push-buttons mounted on inner swing panel.
2	Pump running pilot lights mounted on inner swing panel.
4	Float indicating lights
2	Pump monitoring relays for Ebara pumps
1	Alarm silence pushbutton
1	Audible alarm
1	A flashing alarm beacon for local alarm notification
1	Enclosure heater and thermostat if low Ambient temperature is below 40 degrees F
1	Danger 480 volts label Emedco #QS3647 or equivalent.
1	Warning arc flash and shock hazard label Emedco #QS3743 or equivalent.
1	Panel wire numbers as per electrical schematics

Telemetry Contacts

T01 Pump 1 Running
T02 Pump 2 Running
T03 Pump 1 Fault
T04 Pump 2 Fault
T05 High Level Alarm
T06 Power Fail