

BUILDESTIMATEPRO

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIA L COST	MANHOURS UNIT RATE	MANHOUR UNIT RATE		\$ 75
									MANHOURS	MANHOURS COST	TOTAL TRADE COST
	SUPPLIED AND INSTALLED BY PROCESS CONTRACTOR										
	PID-704										
	BUTTERFLY VALVE										
1	ACV-7201, 6" Dia Auto Butterfly W/ Actuator, KEYSTONE, HIGH-PERFORMANCE, DOUBLE-OFFSET, MOD. 6" KLOK LUGGED, ALL SS, RTFE SEAT. MODULATING PNEUMATIC ACTUATOR, ACTUATOR: F89U-032 FAIL CLOSE 12 SPRING ACTUATOR, BLX V100E POSITIONER. ORDER AS A COMPLETE, ASSEMBLED, FUNCTIONING VALVE. WITH HANDWHEEL MANUAL OVERRIDE OPERATOR.	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
2	ACV-7401, 6" Dia Auto Butterfly W/ Actuator (Normally Close Type), BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119 SPRING RETURN ACTUATOR, FAIL CLOSED/SERIES 63 24VDC SOLENOID/SERIES 5A LIMIT SWITCH, 310600-11010375/931195-11300532/301930-71500530/630250-21401536/5A0000126A2536/5B0000-22601534	1		1	EA	\$ -	\$ 75		\$ -	\$ -	
3	ACV-7402, 6" Dia Auto Butterfly W/ Actuator (Normally Open Type), BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119 SPRING RETURN ACTUATOR, FAIL OPEN/SERIES 63 24VDC SOLENOID/SERIES 5A LIMIT SWITCH, 310600-11010375 / 931195- 11325532 / 301930-71500530 / 630250-21401536 / 5A0000-126A2536 / 5B0000-22601534	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	

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1	BFP-7212, 1" Dia Backflow preventer, WATTS ANTI-SIPHON BACKFLOW PREVENTER (1"), SERIES 008PCQT (1")	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
2	BFP-7213, 1" Dia Backflow preventer, WATTS ANTI-SIPHON BACKFLOW PREVENTER (1"), SERIES 008PCQT (1")	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
3	BFP-7221, 2-1/2" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (2.5"), LF957	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
4	BFP-7222, 1-1/2" Dia Backflow Preventer, WATTS BACKFLOW PREVENTER (1.5"), SERIES LF009	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
WATER FLOW METER									
1	FM-7201, Water Flow Meter, ENDRESS & HAUSER MAG METER, FLANGE ENDS, REMOTE TRANS, 6", PROMAG 5W4C1F-STJ3/0-AA-A-L-H-P-2-D-H-A1S-0-B-L4-L5	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
HOSS REEL									
1	HR-7212, Hose Reel, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, 3/4" ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
LEVEL TRANSMITTER									
1	LIT-7201, Level Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT, ZH4077 (2" TRI-CLAMP)	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
PRESSURE TRANSMITTER									
1	PIT-7201, Pressure Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT ,KIT # UP0070 (1/4" NPT FITTING)	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
SAMPLE PORT									
1	SP-7201, 1-1/2" Dia Sample port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
2	SP-7202, 6" Dia Sample port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
PRESSURE GAUGE									
1	PI-7201, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL-04L-160 PSI	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
2	PI-7211, 1/2" Dia Pressure Gauge, 35-1009-SWL-04L-160 PSI, 35-1009-SWL-04L-160 PSI	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -

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3	PI-7212, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 351009-SWL-04L-160 PSI	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
BLOW-OFF CAP										
1	BC-7201, 12" Dia Blow-Off Cap, PROTECTOSEAL OVERFLOW VALVE SERIES 7300D, 12" F7300DA 316SS VALVE W/ SS WEIGHT, 12", 3" WC CRACKING PRESSURE	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	BC-7202, 12" Dia Blow-Off Cap, PROTECTOSEAL OVERFLOW VALVE SERIES 7300D, 12" F7300DA 316SS VALVE W/ SS WEIGHT, 12", 3" WC CRACKING PRESSURE	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
SPRAY BALL										
1	SB-7201, Spray Ball, SANIMATIC SPRAY BALL AND DOWN TUBE, SB1-2.5-1.5"-SC-114-25-32-TANG, ST-1.5-4" 150# FLANGE-SC-TC-32-3-32	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
FLEXIBLE JOINT										
1	FJ-7201, 10" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED	1		1	EA	\$ -	\$ 75		\$ -	\$ -
2	FJ-7202, 10" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
3	FJ-7203, 6" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -

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4	FJ-7204, 6" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
5	FJ-7811, 8" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
	ELEMENT FILTER										
1	FR-4401, 1" Dia Element Filter For City Water Control Valve, NORGREN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
OTHER VALVES											
1	1/2" Dia Ball valve	3	0%	3	EA		\$ -	\$ 75		\$ -	\$ -
2	1" Dia Ball Valve	3	0%	3	EA		\$ -	\$ 75		\$ -	\$ -
3	1" Dia Ball valve	3	0%	3	EA		\$ -	\$ 75		\$ -	\$ -
4	1" Dia Manual Butterfly Valve	9	0%	9	EA		\$ -	\$ 75		\$ -	\$ -
5	2" Dia Ball valve	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
6	2" Dia Manual Butterfly Valve	2	0%	2	EA		\$ -	\$ 75		\$ -	\$ -
7	3" Dia Sanitary Manual butterfly valve	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
8	4" Dia Manual Butterfly Valve	2	0%	2	EA		\$ -	\$ 75		\$ -	\$ -
9	4" Dia Sanitary Manual butterfly valve	2	0%	2	EA		\$ -	\$ 75		\$ -	\$ -

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10	6" Dia Check Valve	6	0%	6	EA		\$ -	\$ 75	\$ -	\$ -
11	10" Dia Manual Butterfly Valve	13	0%	13	EA		\$ -	\$ 75	\$ -	\$ -
	PID-705 PRESSURE GAUGE									
1	PI-7221, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 351009-SWL-04L-160 PSI	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -
2	PI-7222, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 351009-SWL-04L-160 PSI	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -
3	PI-7321, 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-071-01-005-1-1-1-A-0-0-0-0	1		1	EA		\$ -	\$ 75	\$ -	\$ -
4	PI-7322, 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-071-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -
5	PI-4411, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL02L-200 PSI	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -
6	PI-4411, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 351009-SWL-02L-200 PSI	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -
	PRESSURE RELIEF VALVE									
1	SRV-7201, Pressure Relief Valve, LESER, 1500 GPM, 100 PSI, 10 PSI ACCUMULATION, 1 PSI BP, 316 SS, 150# FLG, HORIZONTAL MOUNT	1	0%	1	EA		\$ -	\$ 75	\$ -	\$ -

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ELEMENT FILTER												
1	FR-4411, Element Filter, NORGAN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN			1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	FR-4412, Element Filter, NORGAN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN			1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -

STEAM TRAP															
1	TST-7703, Thermodynamic Steam Trap, SPIRAX SARCO, 1/2"-UTD52L (STEAM TRAP W/ STRAINER)	1			0%					1	EA	\$ -	\$ 75	\$ -	\$ -
OTHER VALVES															
1	1/2" Dia Ball valve, Normally Open	6			0%					6	EA	\$ -	\$ 75	\$ -	\$ -
2	1/2" Dia Gate Valve	1			0%					1	EA	\$ -	\$ 75	\$ -	\$ -
3	3/4" Dia Ball Valve, Normally Close	2			0%					2	EA	\$ -	\$ 75	\$ -	\$ -
4	3/4" Dia Ball Valve, Normally Open	4			0%					4	EA	\$ -	\$ 75	\$ -	\$ -
5	1" Dia Ball Valve	2			0%					2	EA	\$ -	\$ 75	\$ -	\$ -
6	1" Dia Manual Butterfly Valve	4			0%					4	EA	\$ -	\$ 75	\$ -	\$ -
7	1" Dia Sanitary Manual butterfly valve	2			0%					2	EA	\$ -	\$ 75	\$ -	\$ -
8	2" Dia Ball Valve	1			0%					1	EA	\$ -	\$ 75	\$ -	\$ -
9	2" Dia Gate Valve	2			0%					2	EA	\$ -	\$ 75	\$ -	\$ -

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10	3" Dia Sanitary Manual butterfly valve	5	0%	5	EA	\$-	\$ 75	\$-	\$-
11	4" Dia Manual Butterfly Valve	1	0%	1	EA	\$-	\$ 75	\$-	\$-
12	6" Dia Check Valve	6	0%	6	EA	\$-	\$ 75	\$-	\$-
13	6" Dia Manual Butterfly Valve	3	0%	3	EA	\$-	\$ 75	\$-	\$-
14	6" Dia Sanitary Manual butterfly valve	3	0%	3	EA	\$-	\$ 75	\$-	\$-
15	8" Dia Sanitary Manual butterfly valve	1	0%	1	EA	\$-	\$ 75	\$-	\$-
16	8" Dia Sanitary Manual butterfly valve	1	0%	1	EA	\$-	\$ 75	\$-	\$-
17	10" Dia Manual Butterfly Valve	1	0%	1	EA	\$-	\$ 75	\$-	\$-
PID-707 VACCUM BREAKER									
1	AV-7401, Vacum Breaker, SPIRAX SARCO VACUUM BREAKER (1/2"), VB21	1	0%	1	EA	\$-	\$ 75	\$-	\$-
OTHER VALVES									
1	3/8" Dia Ball Valve, Normally Open	2	0%	2	EA	\$-	\$ 75	\$-	\$-
2	3/8" Dia Check valve	2	0%	2	EA	\$-	\$ 75	\$-	\$-

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3	1/4" Dia Ball Valve, Normally Open	3	0%	3	EA	\$ -	\$ 75	\$ -	\$ -
4	1" Dia Ball valve, Normally Open	2	0%	2	EA	\$ -	\$ 75	\$ -	\$ -
5	1" Dia Manual Butterfly Valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
6	1" Dia Sanitary Manual butterfly valve	3	0%	3	EA	\$ -	\$ 75	\$ -	\$ -
7	2" Dia Ball valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
8	2" Dia Check valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
9	2" Dia Sanitary Manual butterfly valve	3	0%	3	EA	\$ -	\$ 75	\$ -	\$ -
10	4" Dia Manual Butterfly Valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
11	4" Dia Sanitary Manual butterfly valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
12	6" Dia Check valve	4	0%	4	EA	\$ -	\$ 75	\$ -	\$ -
13	6" Dia Manual Butterfly Valve	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
14	6" Dia Sanitary Manual butterfly valve	4	0%	4	EA	\$ -	\$ 75	\$ -	\$ -
15	8" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75	\$ -	\$ -

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ORIFICE PLATE											
1	FO-7601, Orifice Plate, NEWMAN GASKET SANITARY ORIFICE PLATE, DRILLED WITH 7/8" HOLE RATED FOR 135 GPM MAX FLOW	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
BACKFLOW PREVENTER											
1	BFP-7224, 1-1/2" Dia Backflow Preventer, WATTS BACKFLOW PREVENTER (1.5"), SERIES LF009	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
OTHER VALVES											
1	1" Dia Sanitary Manual butterfly valve	3	0%	3	EA	\$ -	\$ 75		\$ -	\$ -	
2	1-1/2" Dia Sanitary Manual butterfly valve	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
3	3" Dia Sanitary Manual butterfly valve	5	0%	5	EA	\$ -	\$ 75		\$ -	\$ -	
4	4" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
5	8" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
PID-711 BACKFLOW PREVENTER											
1	BFP-7214, 1" Dia Backflow Preventer, WATTS ANTI-SIPHON BACKFLOW PREVENTER (1"), SERIES 008PCQT (1")	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	

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PID-712 BACKFLOW PREVENTER										
1	BFP-7201, 1" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (1"), SERIES 008-PC-QT-S	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	BFP-7202, 1" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (1"), SERIES 008-PC-QT-S	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
HOSE REEL										
1	HR-7511, Hose Reel, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, $\frac{3}{4}$ " ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	HR-7521, Hose Reell, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, $\frac{3}{4}$ " ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
PRESSURE GAUGE										
1	PI-7511, Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	PI-7521, Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -

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SAMPLE PORT											
1	SP-7511, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
2	SP-7521, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
OTHER VALVES											
1	1/2" Dia Ball valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
2	1" Dia Manual Butterfly Valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
3	1" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
4	4" Dia Check Valve	4	0%	4	EA	\$ -	\$ 75		\$ -	\$ -	
5	4" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
PID-715											
STEAM TRAP											
1	TST-7701, Thermo-Dynamics Steam Trap, SPIRAX SARCO, 1/2"-UTD52L (STEAM TRAP w/ STRAINER)	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
STRAINER											
1	STR-7701, Strainer, SPIRAX SARCO, 1" 34HP CARBON STEEL STRAINER	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	

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ELEMENT FILTER											
1	FR-4415, Element Filter, NORGREN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
OTHER VALVES											
1	1/2" Dia Ball valve, Normally Open	3	0%	3	EA	\$ -	\$ 75		\$ -	\$ -	
2	3/4" Dia Ball Valve, Normally Closed	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
3	3/4" Dia Ball Valve, Normally Open	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
4	2" Dia Gate valve Manual	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
5	3" Dia Check Valve	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
6	3" Dia Sanitary Manual butterfly valve	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	
7	4" Dia Check Valve	3	0%	3	EA	\$ -	\$ 75		\$ -	\$ -	
8	4" Dia Sanitary Manual butterfly valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
9	6" Dia Check Valve	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -	
PID-716 SAMPLE COOLER											
1	SMP-7701, Sample Cooler, MUIRA, SC100100	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -	

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PRESSURE RELIEF VALVE												
1	SRV-7702, Pressure Relief Valve, SPIRAX SARCO (SET @ 90 PSI), MODEL SV5601, ORIFICE J, FIRED VESSEL, 2" INLET & 2.5" OUTLET	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
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OTHER VALVES												
1	1/4" Dia Gate valve Manual	5	0%	5	EA	\$ -	\$ 75		\$ -	\$ -		
2	1/2" Dia Ball Valve, Normally Open	4	0%	4	EA	\$ -	\$ 75		\$ -	\$ -		
3	1" Dia Check Valve	3	0%	3	EA	\$ -	\$ 75		\$ -	\$ -		
4	1" Dia Gate valve Manual	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
5	1" Dia Globe Valve, Normally Closed	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
6	1" Dia Globe Valve, Normally Open	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
7	1-1/4" Dia Ball Valve, Normally Closed	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -		
8	1-1/4" Dia Ball Valve, Normally Open	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -		
9	1-1/2" Dia Ball Valve, Normally Open	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
10	1-1/2" Dia Check Valve	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -		
11	2" Dia Ball Valve, Normally Open	2	0%	2	EA	\$ -	\$ 75		\$ -	\$ -		
12	2" Dia Gate Valve Manual	4	0%	4	EA	\$ -	\$ 75		\$ -	\$ -		
STRAINER												

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1	BC-7411, Blowoff Cap#1, SHIPPED WITH SILO	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -
2	BC-7412, Blowoff Cap#2, SHIPPED WITH SILO	1	0%	1	EA	\$ -	\$ 75	\$ -	\$ -

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SAMPLE PORT										
1	SP-7411, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
PRESSURE GAUGE										
1	PI-7420, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	PI-7421, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-074-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
3	PI-7422, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-074-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
4	PI-7429, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-071-01-005-1-1-1-A-0-0-0-0	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
PROXIMITY SENSOR										
1	ZS-7421, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
2	ZS-7422, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
3	ZS-7429, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -
4	ZS-7651, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA	\$ -	\$ 75		\$ -	\$ -

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5	ZS-7652, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
6	ZS-7659, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
PID-715 PROXIMITY SENSOR											
1	ZS-7691, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
2	ZS-7692, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
3	ZS-7693, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
4	ZS-7694, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
5	ZS-7695, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
6	ZS-7696, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1	0%	1	EA		\$ -	\$ 75		\$ -	\$ -
7	ZS-7697, Proximity Sensor, IFM EFFECTOR M18x1 INDUCTIVE SENSOR IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING)	1		1	EA		\$ -	\$ 75		\$ -	\$ -

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TOTAL MATERIAL COST \$

TOTAL MANHOURS' COST \$

TOTAL COST \$

OVERHEADS & PROFIT 25% \$ TOTAL BID \$