

NOTES:
1. UNLESS NOTED OTHERWISE, ALL CONDUITS INSTALLED INDOORS SHALL BE RIGID GALVANIZED STEEL.

NUMBER	CONDUIT SIZE (IN.) (NOTE 1)	CONDUCTOR QUANTITY & SIZE	COND./CABLE INSULATION	FROM	TO
I1	1	QTY. 4-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	JUNCTION BOX JC
I1A	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	JUNCTION BOX JC	LOW FLOW PUMP STARTER (MCC-P47, SECTION 6A)
I1B	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	JUNCTION BOX JC	MFP-3 STARTER (MCC-P47, SECTION 5A)
I1C	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	JUNCTION BOX JC	MFP-2 STARTER (MCC-P47, SECTION 4A)
I1D	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	JUNCTION BOX JC	MFP-1 STARTER (MCC-P47, SECTION 3A)
I2	3/4	QTY. 1-(4) PAIR TELEPHONE CABLE	THWN	SCADA PANEL SP47	TELEPHONE SERVICE POINT
I3	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	THERMOSTAT TT-402A
I4	---	MANUFACTURER SUPPLIED CABLES	SEE SPECIFICATIONS	JUNCTION BOX JB	WET WELL FLOAT SWITCHES LSL-008, LS-008, LS-008A, LS-008B, LS-008C, LS-008D, LSH-008)
I4A	1	QTY. 18-#12 & QTY. 1-#12 GND.	THHN/THWN	CONTROL PANEL CP47	JUNCTION BOX JB
I5	3/4	QTY. 1-CATEGORY 6 DATA CABLE	PVC	SCADA PANEL SP47	ELECTRIC METERING DEVICE (MCC-P47, SECTION 2A)
I6	1	QTY. 6-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	SERVICE No. 1 BREAKER (MCC-P47, SECTION 1A)
		QTY. 6-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	SERVICE No. 2 BREAKER (MCC-P47, SECTION 2A)
I7	1	QTY. 12-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	ATS (MCC-P47, SECTION 2B)
I8A	1	QTY. 20-#12 & QTY. 1-#12 GND.	THWN	CONTROL PANEL CP47	MFP-1 STARTER (MCC-P47, SECTION 3A)
I8B	1-1/4	QTY. 24-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	MFP-1 STARTER (MCC-P47, SECTION 3A)
		QTY. 10-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	EF-1 STARTER (MCC-P47, SECTION 3B)
I9A	1	QTY. 20-#12 & QTY. 1-#12 GND.	THWN	CONTROL PANEL CP47	MFP-2 STARTER (MCC-P47, SECTION 4A)
I9B	1-1/4	QTY. 24-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	MFP-2 STARTER (MCC-P47, SECTION 4A)
		QTY. 10-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	EF-2 STARTER (MCC-P47, SECTION 4B)
I10A	1	QTY. 20-#12 & QTY. 1-#12 GND.	THWN	CONTROL PANEL CP47	LOW FLOW PUMP STARTER (MCC-P47, SECTION 6A)
I10B	1-1/4	QTY. 24-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	LOW FLOW PUMP STARTER (MCC-P47, SECTION 6A)
		QTY. 10-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	SF-2 STARTER (MCC-P47, SECTION 6B)
I11A	1	QTY. 20-#12 & QTY. 1-#12 GND.	THWN	CONTROL PANEL CP47	MFP-3 STARTER (MCC-P47, SECTION 5A)
I11B	1-1/4	QTY. 24-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	MFP-3 STARTER (MCC-P47, SECTION 5A)
		QTY. 10-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	SF-1 STARTER (MCC-P47, SECTION 5B)
I12	---	QTY. 4-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	PUMP METER CONTROL PANEL PMCP47	SCADA PANEL SP47
I13	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	PRIMARY BUBBLER CONTROL PANEL BCP47-001
I13A	3/4	QTY. 2-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	PRIMARY BUBBLER CONTROL PANEL BCP47-001
I14	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	SECONDARY BUBBLER CONTROL PANEL BCP47-002
I14A	3/4	QTY. 2-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	SECONDARY BUBBLER CONTROL PANEL BCP47-002
I15	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	DOWNSTREAM BAR RACK CONTROL PANEL LIT-007B
I15A	1	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	DOWNSTREAM BAR RACK CONTROL PANEL LIT-007B	DOWNSTREAM BAR RACK TRANSMITTER LT-007B
I16	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	UPSTREAM BAR RACK CONTROL PANEL LIT-007A
I16A	1	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	UPSTREAM BAR RACK CONTROL PANEL LIT-007A	UPSTREAM BAR RACK TRANSMITTER LT-007A
I17	3/4	QTY. 1-(2) CONDUCTOR 16 AWG SHIELDED TWISTED PAIR CABLE	PVC	SCADA PANEL SP47	THERMOSTAT TT-402B
I18	---	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	JUNCTION BOX JA	DISCHARGE CHAMBER FLOAT SWITCH LSH-011
I18A	3/4	QTY. 2-#12 & QTY. 1-#12 GND.	THWN	CONTROL PANEL CP47	JUNCTION BOX JA
I18B	3/4	QTY. 2-#12 & QTY. 1-#12 GND.	THWN	SCADA PANEL SP47	JUNCTION BOX JA
I19	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	JUNCTION BOX JD	RECIRCULATION PIPE FLOW METER TRANSMITTER FT-010
I19A	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	CONTROL PANEL CP47	JUNCTION BOX JD
I20	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	PUMP METER CONTROL PANEL PMCP47	LOW FLOW PUMP NO. 4 FLOW TRANSMITTER FT-004
I21	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	PUMP METER CONTROL PANEL PMCP47	MAIN FLOW PUMP NO. 1 FLOW TRANSMITTER FT-001
I22	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	PUMP METER CONTROL PANEL PMCP47	MAIN FLOW PUMP NO. 2 FLOW TRANSMITTER FT-002
I23	3/4	MANUFACTURER SUPPLIED CABLE	SEE SPECIFICATIONS	PUMP METER CONTROL PANEL PMCP47	MAIN FLOW PUMP NO. 3 FLOW TRANSMITTER FT-003