





		BILL OF MATERIALS				
ITEM	QTY	PART NUMBER	MANUFACTURER	DESCRIPTION		
GI-1	1	WT332/WT210	YOKOGAWA	WATT/W-HOUR, CUR, & VOLT TRANSDUCERW/ DISPLAY		
GI-2	1	KEYSIGHT 34972A	KESIGHT TECH	DATA LOGGER		
GI-3	1	KEYSIGHT 34901A	KESIGHT TECH	20 CH MULTIPLEXER (TC/VOLTAGE)		
GI-4	1	KEYSIGHT 34907A	KESIGHT TECH	DIGITAL INPUT MODULE		
GI-5	1	L80007FR	LAUREL ELECTRONICS	COUNTER\RATE INDICATOR (ETHERNET)		
GI-6	1	L40007DCV3	LAUREL ELECTRONICS	DC Volt Meter Display with Etherne		
GI-7	1	L40007TF	LAUREL ELECTRONICS	T Type Tempearature Panel Meter with Ethernet		
GI-8	1	FTB4605	OMEGA ELECTRONICS	FLOW METER		
GI-9	1	PTD25-10-0100H	AUTOMATION DIRECT	PRESSURE TRANSDUCER 0-10v 100 PSI		
GI-10	1	TC-T-NPT-G-72	OMEGA ELECTRONICS	1/4 NPT TYPE T PIPE THERMOCOUPL		
GI-11	1	116TX	RED LION/NEWARK	16 PORT NETWORK SWITCH		
GI-12	1	ZOTAC M SERIES MI542 (OR SIMILAR)	ZOTAC	BARE BONE COMPUTER		
GI-13	1	SAMSUNG 850 EVO 500GB mSATA SSD	SAMSUNG	SOLID STATE HARD DRIVE		
GI-14	1	WINDOWS 7 X64	MICROSOFT	WINDOWS 7 OPERATING SYSTEM		
GI-15	1	P2314T	DELL	DELL TOUCH SCREEN MONITOR 23		
GI-16	1	61605	CHROMA	CHROMA AC 4KVA POWER SUPPLY		

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ITEM	QTY	PART NUMBER	MANUFACTURER	DESCRIPTION		
GW-2	1	706001D02F120	BRAD HARRISON	CABLE 6 PIN #16 MALE		
GW-3	1	7R6006A19F060	BRAD HARRISON	RECEPTACLE 6 PIN #18 MALE, 6' WIRES		
GW-4	A/R	12TX24S	OMEGA ELECTRONICS	THERMOCOUPLE EXTENSION CABLE 12 PR. TYPE T		
GW-5	A/R	EXPP-T-24-TCB-P-100	OMEGA ELECTRONICS	THERMOCOUPLE EXTENSIION WIRE 1 PR. TYPE T		
GW-6	1	9533 060100	BELDEN CABLE	3 cond. 24 AWG SHEILDED		
GW-7	1	PKG-4M-2	TURCK	4 CONDUCTOR CABLE WITH MALE CONNECTOR		
GW-8	1	MFKS-3-2	TURCK	4 CONDUCTOR FEMALE RECEPTACLE 6' WIRES		
GW-9	1	9536	BELDEN	6 CONDUCTOR 24GA CABLE		
GW-10	2	69915K55	McMAster	CORD GRIP		
GW-11	2		AMAZON	3' USB CABLE		
GW-12						
GW-13	1	18770	STAPLES	12' HDMI CABLE		
GW-14	1	RSJ-T-S	OMEGA ELECTRONICS	STANDARD TYPE T PANEL JACK		
GW-1	1	7000-13201-3310500	AUTOMATION DIRECT	CABLE 5m M12 O/D AXIAL FEMALE 4-POLE (PRESSURE TRANSDUCER CABLE)		
GW-15	1	A7726694	DELL	C2G HDMI,VGA,USB SINGLE GANG WALL PLATE		
GW-16	1	RCAB-11014	ROSEWILL	10FT USB2.0 A MALE TO USB A MALE		
GW-17	5	105900	STAPLES	5' LAN CABLE (STP Cat6A)		
GW-18	1	108601	STAPLES	2' LAN CABLE (STP Cat6A)		
GW-19	4	105902	STAPLES	10' LAN CABLE (STP Cat6A)		
GW-20						
GW-21	1	HBL2410	GRAINGER	Black Locking Receptacle, 20 Amps, 125/250VAC Voltage, NEMA Configuration: L14-20R		
GW-22	1	HBL2411	GRAINGER	Locking Plug, 20 Amps, 125/250VAC Voltage, NEMA Configuration: L14-20P, Number of Poles: 3		

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ITEM	QTY	PART NUMBER	MANUFACTURER	DESCRIPTION		
PBS-1	1	7561K78	McMASTER CARR	36" Height x 30" Width x 12.75" Depth Enclosure Panel		
PBS-2	1	7561K961	McMASTER CARR	Internal Enclosure Panel		
PBS-3	2	5789T7	McMASTER CARR	15A CIRCUIT BREAKER		
PBS-4	1	DPP50-24	TDK LAMBDA AC/DC POWER SUPPLY 50W	24 VDC POWER SUPPLY		
PBS-5	A/R	2W378	GRAINGER	12/3 MOLDED POWER CORD		
PBS-6	1	MJP2-06-T	OMEGA ELECTRONICS	MINIATURE SQUARE TC PANEL JACK TYPE T		
PBS-7	5	781-1C-120A	AUTOMATION DIRECT	120VAC COIL VOLTAGE SPDT 15A CONTACT		
PBS-8	5	781-1C-SKT	AUTOMATION DIRECT	RELAY SOCKET FOR 781 CUBE RELAY		
PBS-9	1	HBL5284	HUBBELL	SINGLE RECEPTICAL 15 A 125V		
PBS-10	2	HBL5362BLK	HUBBELL	DUPLEX RECEPTICAL 15 A 120V		
PBS-11	3	6720005421	WEIDMULLER	DIN MOUNT POWER RECEPTICAL		
PBS-12	2	1546413-3	NEWARK	RJ-45 BULKHEAD		
PBS-14 PBS-15	1	1050QC3 5789T4	CML McMASTER CARR	AMBER NEON LIGHT 2A DIN AC Breaker		
	A/R					
PBS-16	·	2094.0/1M	ALTECH	DIN 3' RAIL #502-2020		
PBS-17	1	MT6	ALTECH	ID MARKER FOR CTS4U-N		
PBS-18 PBS-19	2 41	CA702 CTS4U-N	ALTECH ALTECH	END STOP 502-3212 TERMINAL		
PBS-20 PBS-21	2	CA722/2 PP2.5/4UN	ALTECH ALTECH	PARTITION PLATE FOR CTS4U-N		
PBS-22	4	CA722/5	ALTECH	INTERNAL JUMPER 5 POLE FOR CTS4U-N		
PBS-23	2	CA722/3	ALTECH	INTERNAL JUMPER 4 POLE FOR CTS4U-N		
PBS-24	A/R		McMASTER CARR	10/3 SOOW CABLE		
	A/R			WIRE DUCT, 1.50 x 1.50 WHT, SLOTTED,		
PBS-28		T1-1515W-1	AUTOMATION DIRECT	2M, W/ COVER COLD PUMP ON, "HOT PUMP ON" & "E-		
PBS-29		TAG	PANEL BUILDER	STOP*		
PBS-31	1	R13-502A-05-B	MULTICOMP-NEWARK	PUSH BUTTON SWITCH SPST, OFF-(ON)		
PBS-32	1	NC4MX	NEUTRIK	XLR AUDIO CONNECTOR PLUG 4 CONTACTS (PRESSURE)		
PBS-33	1	NC4FP-1	NEUTRIK	XLR AUDIO CONNECTOR JACK 4 CONTACTS (PRESSURE)		
PBS-34	1	NC5MX	NEUTRIK	XLR AUDIO CONNECTOR PLUG 5 CONTACTS (FLOW)		
PBS-35	1	NC5FP-1	NEUTRIK	XLR AUDIO CONNECTOR JACK 5 CONTACTS (FLOW)		
PBS-36	2	NAUSB-W-B	NEWARK	USB PASS THROUGHT JACK USB-A TO USB-B		
PBS-38	1	45-243-026	STAPLES	Ergotron LX Wall Mount Arm (Monitor)		
PBS-39	1	4715MS-12TB50-A00	NEWARK	VENTILATION FAN		
PBS-40	1	055015	NEWARK	NMB TECHNOLOGIES FINGER GUARD		
PBS-41	1	432000	NEWARK	NMB TECH FAN POWER CORD		
PBS-42	1	FF121	Newegg	SILVERSTONE 120MM FAN FILTER		
PBS-43	1	FLZ-530	Allied Electronics	PFANNENBERG THERMOSTAT		

			UNLESS OTHERWISE SPECIFED:		NAME	DATE			
	_		DIMENSIONS ARE IN INCHES	DRAWN	CJS	0/4/16			
			TOLERANCES: FRACTIONAL®	CHECKED	CJS	0/4/16	TITLE:		
			ANGULAR: MACH # BEND # TWO PLACE DECIMAL #	ENG APPR.	CJS	0/4/16	ΔP	B DISHW	V2HEB
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