

Bill of Materials - P13716

	Item #	Part Description	Supplier	Part #	Lead Time (Days)	# Needed	Price Per	Unit	Total Price	Part
Push Buttons Option 1	1	Momentary, Non-illuminated, extended push button (g)	Horizon Solutions LLC	A-B800FPP3	2	4	\$3.52	ea	\$14.08	green push button
	2	Momentary, Non-illuminated, extended push button (y)	Horizon Solutions LLC	A-B800FPP5	2	4	\$3.52	ea	\$14.08	yellow push button
	3	Plastic Button Latch	Horizon Solutions LLC	A-B800FALP	2	8	\$4.44	ea	\$35.52	button latch
	4	Button Contact Block	Horizon Solutions LLC	A-B800FX10	2	8	\$5.74	ea	\$45.92	button contact block
	5	Plastic Button Enclosure (2 holes)	Horizon Solutions LLC	A-B800F2PP	2	4	\$21.58	ea	\$86.32	button enclosure
								Subtotal	\$195.92	
Push Buttons Option 2	6	Non-flush, non-illuminated, plastic push button (green)	Autonics	S2PR-P1GA	0	4	\$5.60	ea	\$22.40	green push button
	7	Non-flush, non-illuminated, plastic push button (yellow)	Autonics	S2PR-P1YA	0	4	\$5.60	ea	\$22.40	yellow push button
	8	Button Contact Block (Normal Open)	Autonics	SA-CA	0	8	\$2.80	ea	\$22.40	button contact block
	9	Push Button Enclosure triangle type (2 holes)	Autonics	SA-TB2	0	4	\$29.95	ea	\$119.80	button enclosure
								Subtotal	\$187.00	
PLC & Lights	10	PATLITE ST-T Signal Tower 24VAC or DC	RIT TPS Lab	LCS-A (40 mm)	0	0	\$0.00	ea	\$0.00	Andon Lights
	11	SIMATIC S7-1200	Siemens/RIT	6ES7214-1BE30-0XB0	0	1	\$0.00	ea	\$0.00	PLC CPU
	12	SIMATIC Net Industrial Ethernet TP XP Cord	Siemens/RIT	6XV1870-3RH60	0	3	\$0.00	ea	\$0.00	PLC Ethernet Cord
	13	SIMATIC S7-1200 Simulator Module	Siemens/RIT	6ES7274-1XF30-0XA0	0	1	\$0.00	ea	\$0.00	PLC Simulator Module
	14	SIMATIC S7-1200 Analog Output	Siemens/RIT	6ES7232-4HA30-0XB0	0	1	\$0.00	ea	\$0.00	PLC Analog Output
	15	SIMATIC S7 Step 7 Basic V11 Software	Siemens/RIT	6ES7822-0AA01-0YA0	0	1	\$0.00	ea	\$0.00	PLC Software
	16	SIMATIC S7-1200 Compact Switch Module	Siemens/RIT	6GK7277-1AA10-0AA0	0	1	\$0.00	ea	\$0.00	PLC CSM
	17	SIMATIC KTP600 Basic Color PN	Siemens/RIT	6AV6647-0AD11-3AX0	0	1	\$0.00	ea	\$0.00	PLC Monitor
	18	S7-1200 Power Supply Module	Siemens/RIT	6EP13321SH71	0	1	\$61.50	ea	\$61.50	PLC Power Module
	19	SM 1223 DC/RLY (16 D I/O)	Siemens	6ES7 223-1PL30-0XB0	7	1	\$135.00	ea	\$135.00	PLC - D I/O Add on
								Subtotal	\$196.50	
Misc. Items	20	Vizio 50" Class LCD 1080p	Wal Mart	550749984	7	1	\$548.00	ea	\$548.00	Television
	21	Logitech S120 2.0 Multimedia Speakers	Amazon		7	1	\$11.85	ea	\$11.85	computer speakers
	22	Link Depot HDMI to HDMI Cable 25 feet	Amazon		7	1	\$6.44	ea	\$6.44	hdmi cable (comp to tv)
	23	18 guage wire DC (brown) (500 ft)	Grainger	5LWZ9	1	1	\$45.75	ea	\$45.75	(+)
	24	18 guage wire DC (blue) (100 ft)	Grainger	5ZDH1	1	1	\$24.87	ea	\$24.87	(-)
	25	18 guage wire AC (red) (500 ft)	Grainger	5LWY4	1	1	\$48.15	ea	\$48.15	(hot)
	26	18 guage wire AC (white) (100 ft)	Grainger	5ZDG6	1	1	\$24.87	ea	\$24.87	(neutral)
	27	BALT Dual Adjustable Laptop Utility Cart	Grainger	15Y320	0	1	\$601.50	ea	\$601.50	mobile cart
	28	LabVIEW license (includes OPC Server)	National Instruments	782278-35	10	1	\$267.38	ea	\$267.38	LabVIEW Software
	29	Dell Desktop computer	RIT		0	1	\$0.00	ea	\$0.00	computer
	30	Microsoft Office	RIT		0	1	\$0.00	ea	\$0.00	Comp Software
31	Wire Connectors	Grainger/Macmaster		0	0	\$0.00	ea	\$0.00		
								Subtotal	\$1,578.81	
								TOTAL PRICE (Horizon)	\$1,971.23	
								TOTAL PRICE (Autonics)	\$1,962.31	