



NETWORK KEY

- GENERAL NETWORK NOTES**
- COORDINATE ANY NETWORK CONNECTIONS WITH CUSTOMER IT SERVICES.
 - THE PULSE CENTRAL CONTROLLER (PCC OR PCXX OR PCCY) MUST BE ABLE TO SEND OUT E-MAIL NOTIFICATIONS THROUGH THE CUSTOMER SMTP SERVER.
 - EDSTROM MUST HAVE ACCESS TO PULSE CENTRAL CONTROLLER (PCC OR PCXX OR PCCY) FROM AN OUTSIDE CONNECTION FOR SYSTEM DIAGNOSTICS AND SERVICE.
 - ALL ETHERNET CABLING TO BE PROVIDED BY OTHER THAN EDSTROM. MUST BE CAT5e RATED MIN.
 - PULSE SYSTEM DEVICES THAT REQUIRE A STATIC IP ADDRESS ARE:
 - PULSE SERVER (NOT PROVIDED BY EDSTROM)
 - PULSE CENTRAL CONTROLLER (PCC'S AND PCXX'S AND PCCY'S)
 - EDSTROM TOUCHSCREENS (REFERENCE TO LEGACY SYSTEMS ONLY)
 - MUST BE ABLE TO CONNECT TO AN ETHERNET SWITCH BOX FOR A SPECIFIC PCC OR PCXX.
 - EDSTROM WIRELESS POINT MANAGERS, WIRELESS LINK MANAGERS AND 2.4 GHz COORDINATORS
 - REMOTE ACCESS SOFTWARE (CUSTOMER PROVIDED) TO ALLOW SERVICE OF SYSTEM BY EDSTROM AUTHORIZED PERSONNEL VIA VPN (ETHERNET). IF THIS IS UNAVAILABLE, A SECOND DEDICATED ANALOG TELEPHONE LINE FOR THE PCXX(X) WILL BE PROVIDED WHICH MUST CONFORM TO SPECIFICATIONS OUTLINED IN: BELLCORE TR-NPL-000275: NOTES ON THE BOC INTRA-LATA NETWORKS, 1996.

**DO NOT SCALE
THIS DRAWING**

SCHEMATIC DRAWING IS
REFERENCE ONLY TO SHOW
CONNECTIVITY BETWEEN
DEVICES.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WIRELESS POINT MANAGER OR WIRELESS LINK MANAGER (STORED DATA ONLY)		WIRELESS MODULE FOR DUAL RTD PROBES
	WIRELESS REPEATER		WIRELESS MODULE W/STORAGE DATA FOR SINGLE RTD PROBE
	WIRELESS ROUTER		WIRELESS MODULE W/STORAGE DATA FOR TEMPERATURE & HUMIDITY
	WIRELESS COORDINATOR		WIRELESS SENSOR FOR RTD PROBE
	WIRELESS SENSOR FOR RTD PROBE		WIRELESS SENSOR FOR TEMPERATURE & HUMIDITY USING A REMOTE PROBE
	WIRELESS SENSOR FOR TEMPERATURE & HUMIDITY USING A REMOTE PROBE		WIRELESS SENSOR FOR LIGHT DETECT
	WIRELESS SENSOR FOR LIGHT DETECT		WIRELESS SENSOR FOR ROOM TEMPERATURE & HUMIDITY
	WIRELESS SENSOR FOR ROOM TEMPERATURE & HUMIDITY		WIRELESS SENSOR FOR TEMPERATURE ONLY
	WIRELESS SENSOR FOR TEMPERATURE ONLY		WIRELESS SENSOR FOR TEMPERATURE USING THERMOCOUPLE WIRES
	WIRELESS SENSOR FOR TEMPERATURE USING THERMOCOUPLE WIRES		

WIRELESS LEGEND

	PULSE SERVER (NOT BY EDSTROM)		POWER SUPPLY: 12 VDC/2.5 AMP		PRESSURE REDUCING STATION		REMOTE pH SENSOR		TAP SWITCH FOR LIGHT CONTROL		LEGACY COMPONENT BOX W/AIR FLOW AND DIFFERENTIAL PRESSURE TRANSDUCERS		CABLE QUANTITY BACK TO I/O PANEL		2-CONDUCTOR CABLE W/SHIELD (RHS45), 22 GA FOR MOD BUS COMMUNICATION		COMPONENT BOX W/NETWORK JUNCTION BOARD, AIR FLOW, MODULE
	PULSE CENTRAL CONTROLLER		POWER SUPPLY: 24 VDC/2.5 AMP		FLUSH SOLENOID VALVE		TEMPERATURE SENSOR (RTD TYPE)		COMPONENT BOX W/LIGHT CONTROL RELAYS		LEGACY AIR FLOW TRANSDUCER		2-CONDUCTOR CABLE, 18 GA		5-TWISTED PAIR CABLE, 22 GA FOR LOW BUS COMMUNICATION		COMPONENT BOX W/AIR FLOW TRANSDUCER
	PULSE I/O BOX		POWER SUPPLY: 24 VDC/10 AMP		ON-LINE BACK FLUSH SOLENOID VALVE		NETWORK JUNCTION BOX		ADVANCED LIGHT MODULE W/LIGHT RELAYS FOR LIGHT CONTROL		LEGACY DIFFERENTIAL PRESSURE TRANSDUCER		3-CONDUCTOR CABLE W/GROUND, 22 GA		DATA CABLE, 22 GA		COMPONENT BOX W/2 AIR FLOW TRANSDUCERS
	PULSE CENTRAL CONTROLLER w/ I/O PANEL AND ETHERNET SWITCH		CALIBRATION PORT		VENT RACK MONITORING POINT		SENSOR MODULE 4 FOR TEMPERATURE, HUMIDITY AND LIGHTS		LIGHT CONTROL MODULE		LEGACY SENSOR MODULE 3 FOR TEMPERATURE AND HUMIDITY		4-CONDUCTOR CABLE, 22 GA		DEVICE CABLE CONNECTION REFER TO DRAWINGS 300-BASE-REL-X, 300-BASE-001-2 AND 300-BASE-151 FOR SPECIFIC DETAILS		ANALOG SUMMING PROCESSOR
	UNINTERRUPTIBLE POWER SUPPLY (UPS)		REMOTE ALARM INDICATOR		CO2 SENSOR		REMOTE ETHERNET JACK		TAP SWITCH FOR LIGHT CONTROL		LEGACY SENSOR MODULE 3 FOR TEMPERATURE		6-CONDUCTOR CABLE, 22 GA				
			CO2 SENSOR W/REMOTE ALARM INDICATOR								3-TWISTED PAIR SHIELDED CABLE W/GROUND, 22 GA						

REV	JOB NO.	REVISION	DRAWN	APPROVER 1	APPROVER 2	REV	JOB NO.	REVISION	DRAWN	APPROVER 1	APPROVER 2	REV	JOB NO.	REVISION	DRAWN	APPROVER 1	APPROVER 2
1	1012472	ISSUED FOR CONSTRUCTION: REMOVED (1) COMP. SIZES WITH LIGHT RELAYS (R4, R4 & R4), REMOVED (2) UPS FROM EXISTING COMP. BOXES & (3) LIGHTS; ADDED ALM & RTD TO (1) ROOM; ADDED AIR FLOW MODULE (AFM) & SWM IN ROOM #7374; UPDATE EXISTING COMP. BOX TO ADD AFM BY ROOM #7377; ADDED AIR FLOW FROM ROOM #7377.	10/24/2017	10/24/2017	10/24/2017	1	1012472					1	1012472				

PROPRIETARY DATA-INFORMATION:
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PULSE SYSTEM EQUIPMENT CABLING SCHEMATIC FOR:			
JESSE BROWN V.A. MEDICAL CENTER BUILDING 11B/7TH FLOOR/MEDICAL R&D SERVICE 278 CHICAGO, IL			
PROJ SCALE	1 = 1	E BORD	REV
DRAWN BY	KGJ	DATE	04-28-17
		5810-9156-107.1	A