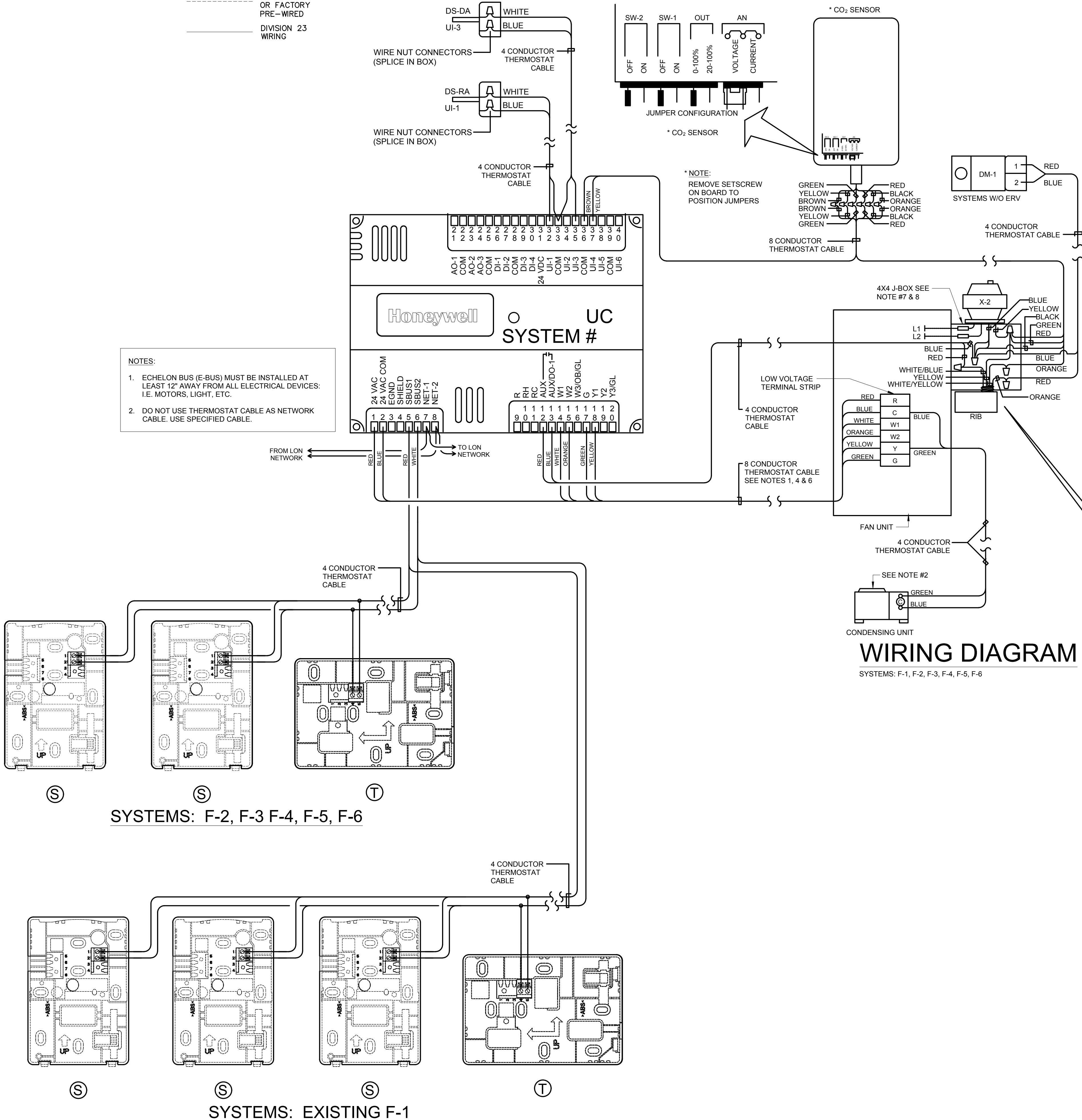


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LEGEND:

----- DIVISION 26
OR FACTORY
PRE-WIRED
----- DIVISION 23
WIRING

- NOTES:
1. ECHELON BUS (E-BUS) MUST BE INSTALLED AT LEAST 12" AWAY FROM ALL ELECTRICAL DEVICES: I.E. MOTORS, LIGHT, ETC.
 2. DO NOT USE THERMOSTAT CABLE AS NETWORK CABLE. USE SPECIFIED CABLE.



NOTES:

1. ETHERNET CABLE MAY REQUIRE LENGTH OF UP TO 100 FEET.

BMG WIRING DIAGRAM

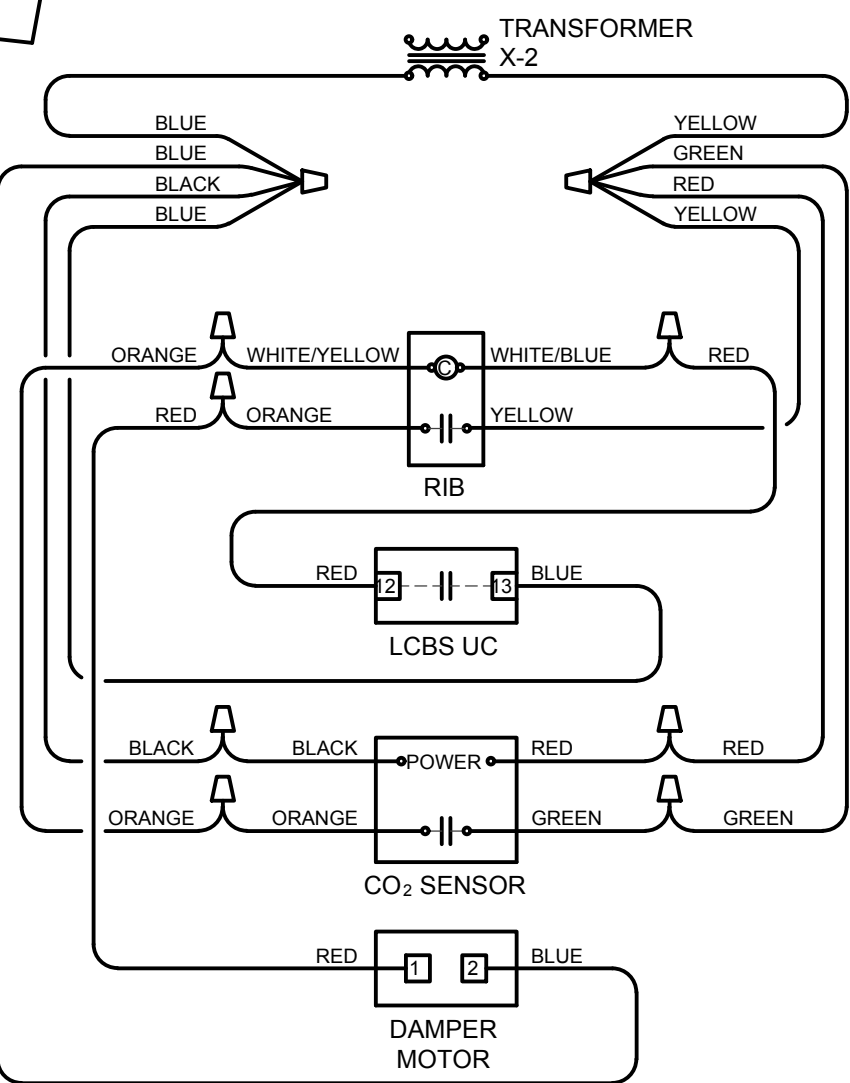
BMG LOCATION TO BE FIELD VERIFIED DURING PRE-BID WALK THROUGH.

NOTES:

1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE- CONDUCTORS PARALLEL, ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
2. IF COMPRESSOR UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN COMPRESSOR UNIT TO PROPERLY INTERFACE CONTROLS.
3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS. AND TYTON TYPE CRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
5. VERIFY THAT FAN UNIT FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
6. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
7. PROVIDE CHASE NIPPLE WITH PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
8. PROVIDE CABLE-CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.

CONTROL EQUIPMENT				
MARK	DESCRIPTION	CAT. NO. (1)	MARK	DESCRIPTION
BMG	BUILDING MANAGEMENT GATEWAY	LGW1000 (GATEWAY) WPM-8000 (WALL PLUG)	RP-6	RELAY PANEL 24X18X6W/COVER
UC	UNITARY CONTROLLER	YCRL64385R1000	DM-1	DAMPER MOTOR TWO POSITION
T	THERMOSTAT WALL MODULE	LCBS WALL MODULE	DM-2	DAMPER MOTOR 2 POS W/END SWITCH
	THERMOSTAT COVER PLATE ASSEMBLY	50002883-001	X-1	TRANSFORMER 120, 208, 240V/24V 75VA
S	REMOTE SENSOR	TR40	X-2	TRANSFORMER 120V/24V 50VA
G-1	THERMOSTAT GUARD	(2)	SD-1	DUCT SMOKE DETECTOR
DS	DUCT AIR SENSOR	C7041B2005	SR	SMOKE RELAY 30 AMP 120V COIL
CO ₂	CO ₂ SENSOR	C7232B1006	RIB	TWO POLE RELAY
			RIB 20A	TWO POLE RELAY 20 AMP
			OAS	GLOBAL OUTDOOR AIR SENSOR
			CRO	COMBINATION RELAY & THERMAL OVERLOAD DISCONNECT
			E-BUS	ECHELON NETWORK CABLE

- (1) ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.
- (2) SEE SPECIFICATIONS
- (3) PROVIDE ENCLOSURE
- (4) TO BE PURCHASED FROM AN APPROVED PER-BUILT PANEL BUILDER SEE SPECIFICATION.
- (5) SEE PLAN FOR REQUIRED SIZE AND ZONE NUMBER.
- (6) USE WITH CRO DISCONNECT FOR ELECTRIC WALL HEATER. CONTROL FROM UC.
- (7) ONLY ONE REQUIRED FOR BUILDING. MAY BE CONNECTED TO ANY CONTROLLER AT NORTH SIDE.



Engineered Systems Associates
Mechanical Engineers

Dwayne Sudweeks P.E., Dave Hansen P.E., Tanner Davis P.E.
1355 East Center - Pocatello, Idaho 83201
Phone: (208) 233-0501 email: esa@engsystems.com

PROJECT: HVAC RENOVATIONS FOR:

LDS SODA SPRINGS 2, 6 & STAKE
290 S. 3RD W., SODA SPRINGS, IDAHO 83276

SHEET TITLE:

CONTROLS



DRWN. BY:	CKD. BY:
TD	DCS
JOB NO.	DATE:
21041	3/28/2022

SHEET:
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