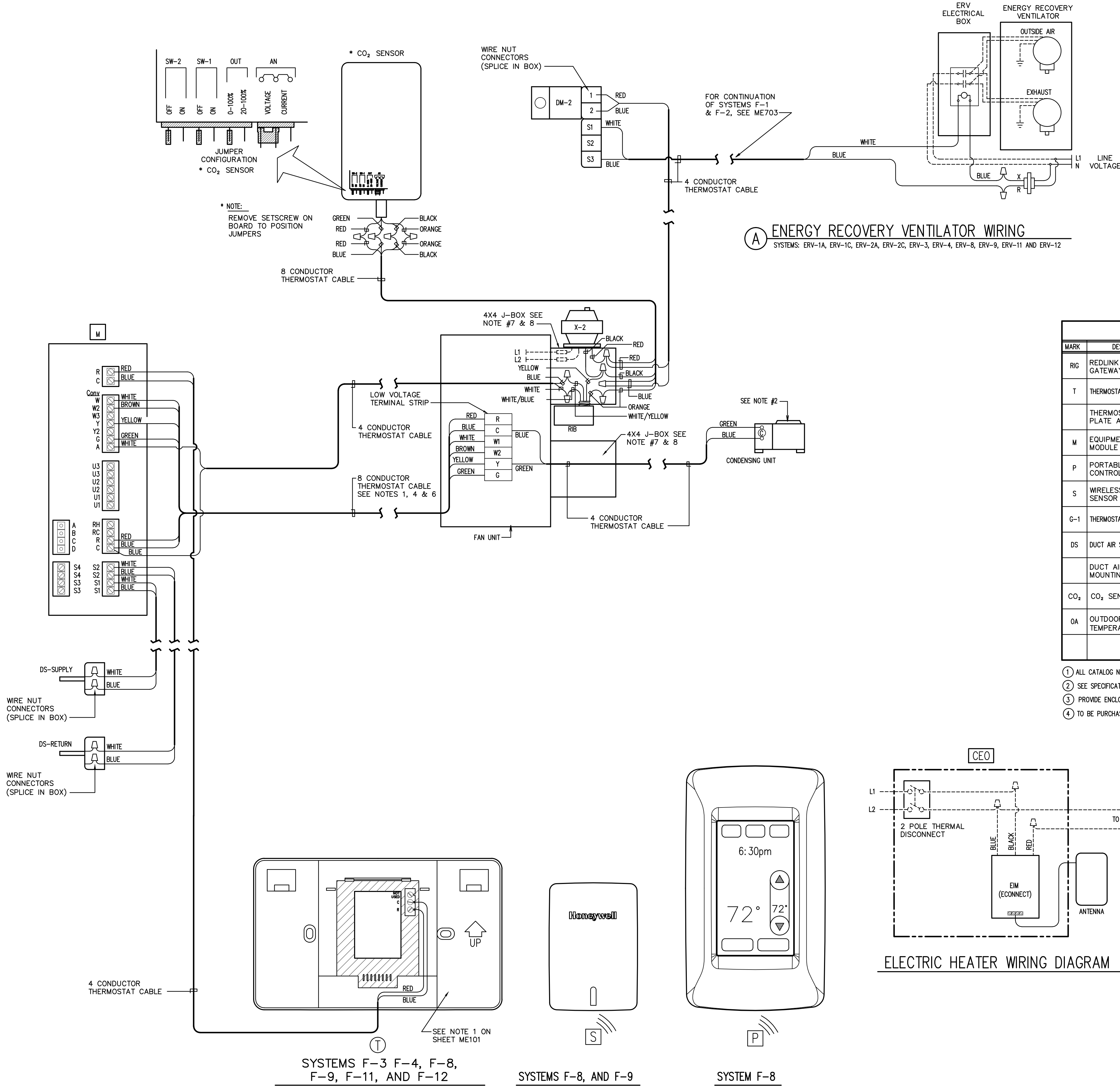


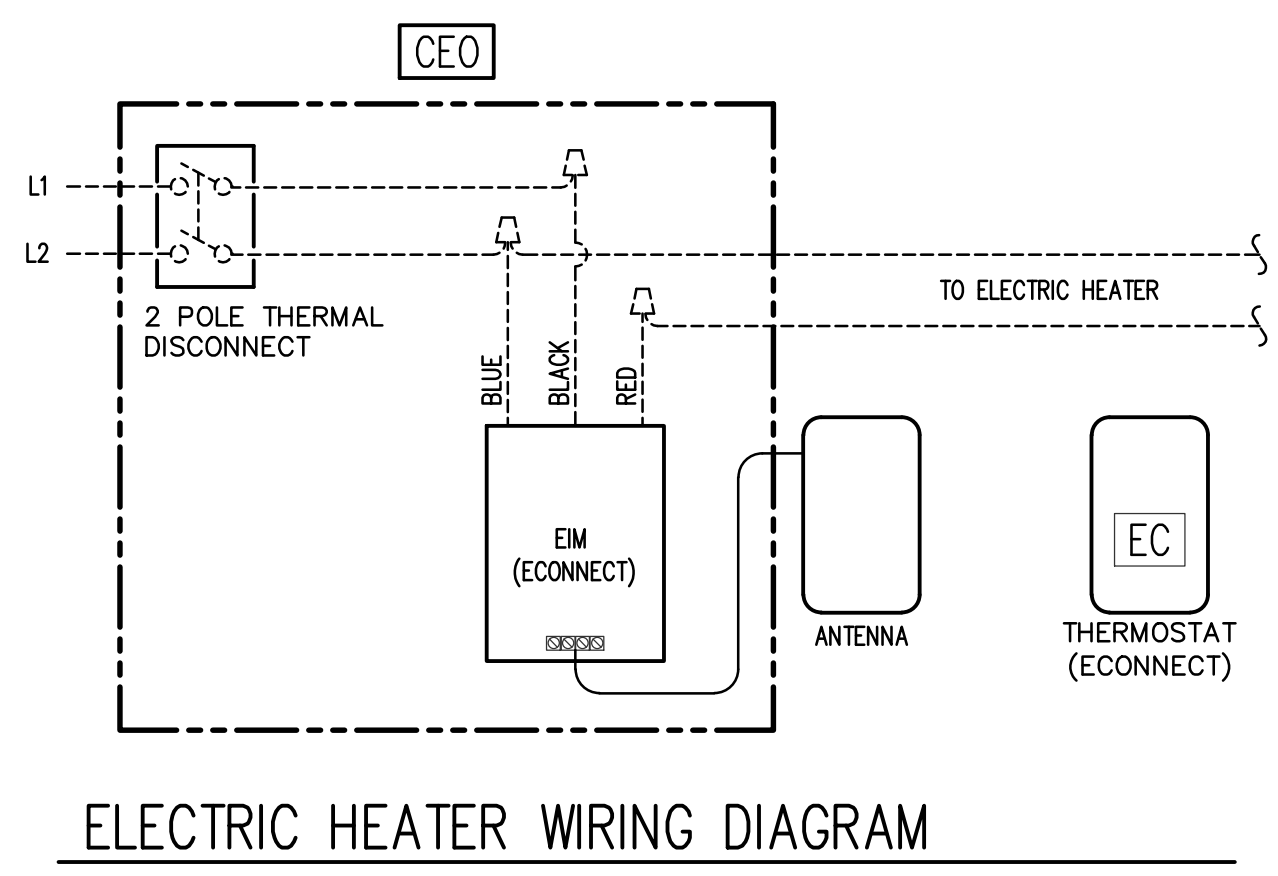


A ENERGY RECOVERY VENTILATOR WIRING
SYSTEMS: ERV-1A, ERV-1C, ERV-2A, ERV-2C, ERV-3, ERV-4, ERV-8, ERV-9, ERV-11 AND ERV-12

- 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 W/PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
 8. PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.
 9. INSTALL WIRELESS OUTSIDE AIR SENSOR ON NORTH SIDE OF BUILDING ACCESSIBLE BY OWNER. ONE OUTSIDE AIR SENSOR PER 4 THERMOSTATS MAX.

CONTROL EQUIPMENT					
MARK	DESCRIPTION	CAT. NO. 1	MARK	DESCRIPTION	CAT. NO. 1
RIG	REDLINK INTERNET GATEWAY	THM6000R1002	RP-6	RELAY PANEL 24X18X6W/COVER	② ④
T	THERMOSTAT	THX9421R5021WW			
	THERMOSTAT COVER PLATE ASSEMBLY	THP2400A1027W	DM-1	DAMPER MOTOR TWO POSITION	MS8105A1030
M	EQUIPMENT INTERFACE MODULE	THM5421R1021	DM-2	DAMPER MOTOR 2 POS W/END SWITCH	MS8105A1130
P	PORTABLE COMFORT CONTROL	REM5000R1001			
S	WIRELESS INDOOR AIR SENSOR	C7189R1004	X-2	TRANSFORMER 120V/24V 50VA	AT150F1022
G-1	THERMOSTAT GUARD	②			
DS	DUCT AIR SENSOR (BY DIV. 26)	C7735A1000	SD-1	DUCT SMOKE DETECTOR	BY DIV. 26 ②
	DUCT AIR SENSOR MOUNTING BRACKET	50053060-001	SR	SMOKE RELAY 30 AMP 120V COIL	DP2030B5003 ③
CO ₂	CO ₂ SENSOR	C7232B1006	RIB	TWO POLE RELAY	RIBUC ②
OA	OUTDOOR (OUTSIDE) AIR TEMPERATURE/HUMIDITY	C7089R1013	EC	ECONNECT WIRELESS THERMOSTAT KIT INCLUDED W/CEO	TL9160AR
			CEO	COMBINATION EIM AND THERMAL OVERLOAD DISCONNECT PANEL	② ④

- 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.



SYSTEMS F-3 F-4, F-8, F-9, F-11, AND F-12 SYSTEMS F-8, AND F-9 SYSTEM F-8

WIRING DIAGRAM
SYSTEMS: F-3, F-4, F-8, F-9, F-11, AND F-12

Architect / Engineer:

GENE C. ULMER
ARCHITECT
1506 S. SECRETARIAT WAY
Nampa, ID 83686
(208) 899-0874 • gculmerarch@aol.com

Date: May 23, 2017

Stamp:

Middleton Heritage 09T SC
Middleton Idaho Stake

1332 Cornell Street
Middleton, Idaho 83644

Project for:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date	Rev.	Description

Project Number:
21701

Plan Series:
HET-SCS-09-07

Property Number:
50034331601

Sheet Title:
AUTOMATIC TEMPERATURE CONTROL WIRING AND SCHEDULES

Sheet:

ME701

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDNEEKS
DATE ORIGINAL SIGNED: May 23, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCAATELLO, IDAHO 83201

Engineered Systems Associates
1355 EAST CENTER
POCAATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 17031

PROFESSIONAL ENGINEER
STATE OF IDAHO
5762
DWAYNE C. SUDNEEKS

17031-ME701.dwg - 05/22/2017 - 3:09 PM