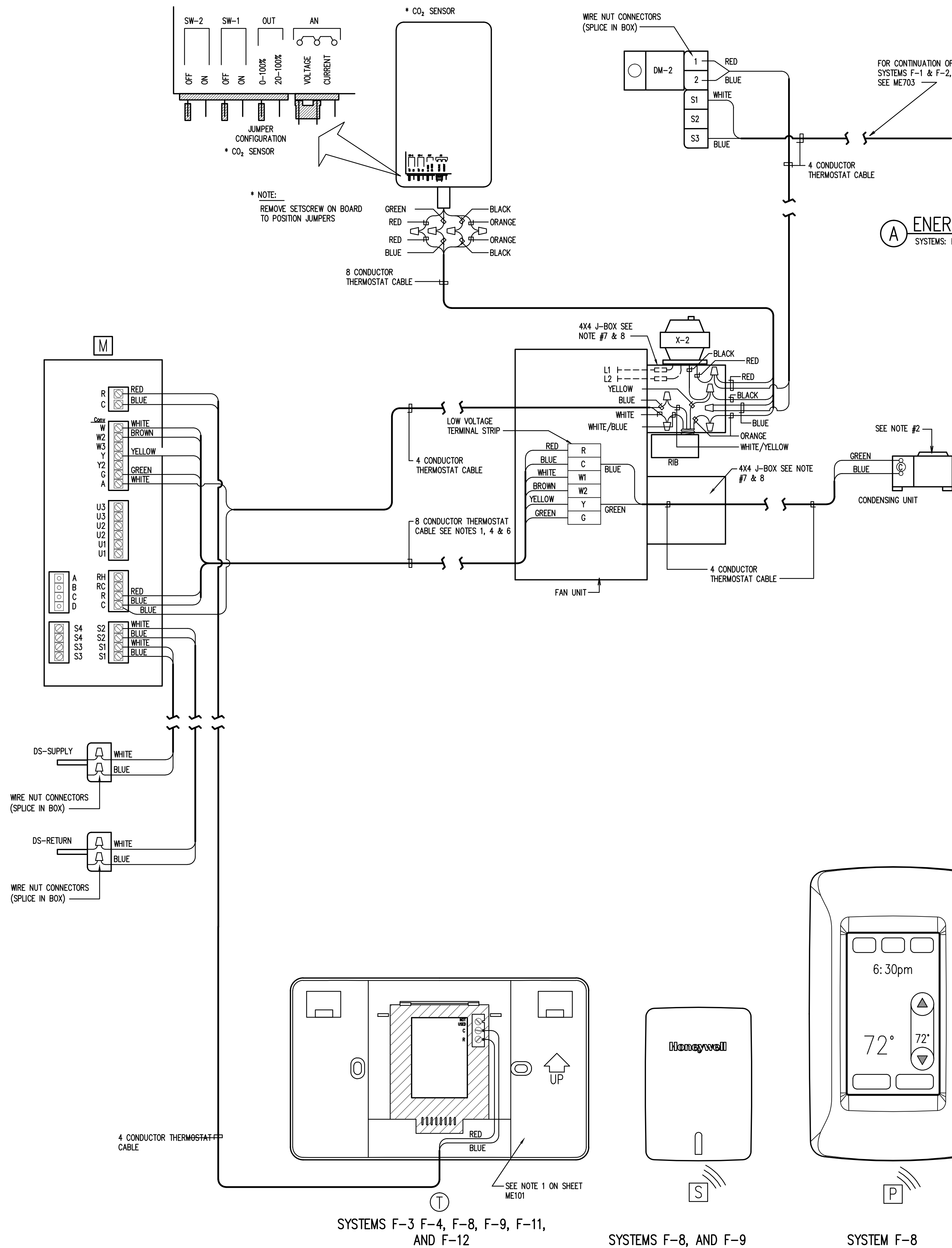


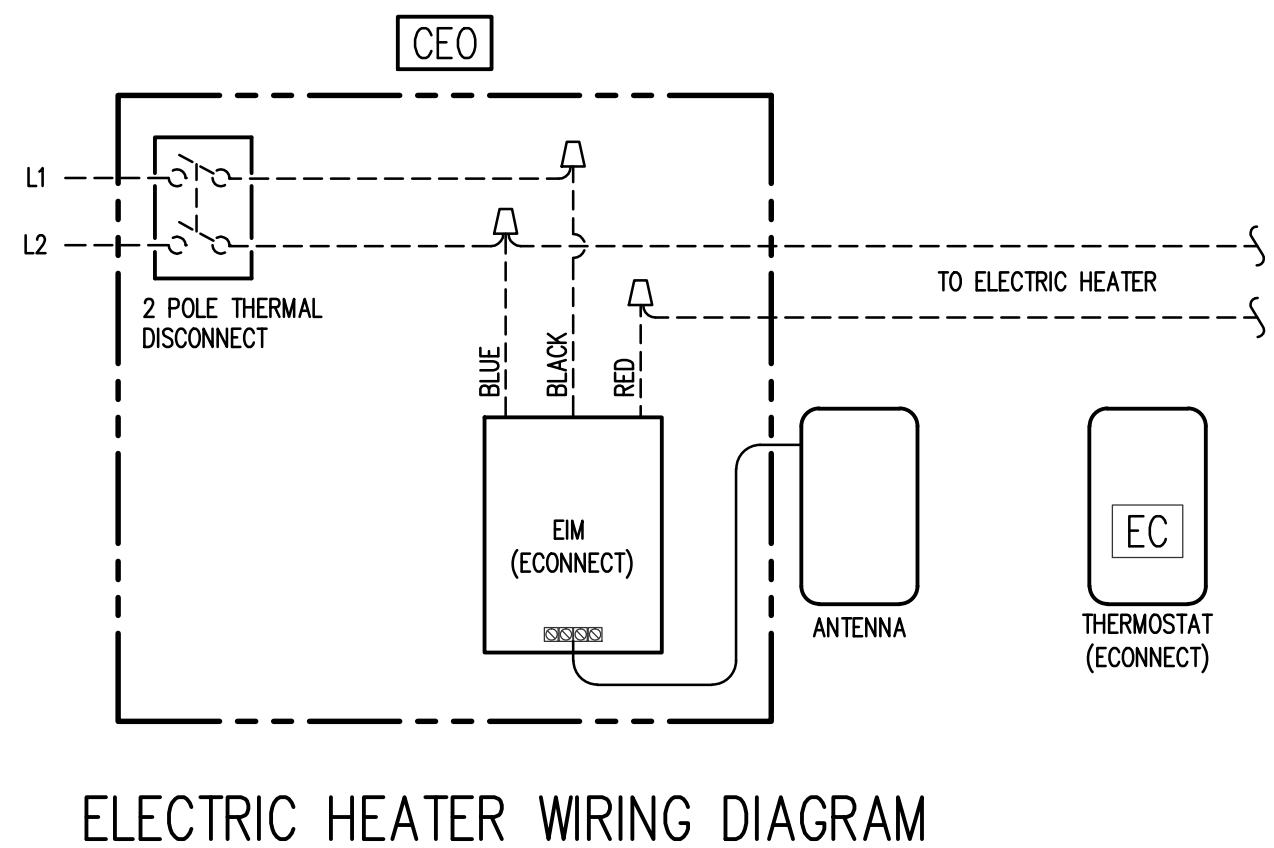


A ENERGY RECOVERY VENTILATOR WIRING
SYSTEMS: ERV-1A, ERV-1C, ERV-2A, ERV-2C, ERV-3, ERV-4, ERV-8, ERV-9, ERV-11 AND ERV-12

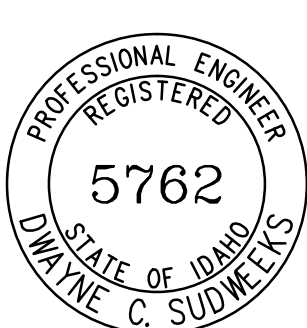
- NOTES:
1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL, ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
 2. IF COMPRESSOR UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN COMPRESSOR 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	THM600R1002	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	C7735A1000	SD-1	DUCT SMOKE DETECTOR	②
	DUCT AIR SENSOR MOUNTING BRACKET	50053060-001	SR	SMOKE RELAY 30 AMP 120V COIL	③ DP2030B5003
CO ₂	CO ₂ SENSOR	C7232B1006	RIB	TWO POLE RELAY	RIBU1C 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.



ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: Mar 15, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCA TELLO, IDAHO 83201



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Stamp:

New Meetinghouse for:
**Iona South Stake
Heritage 09TSC**
4440 E. High Grove Road
Idaho Falls, ID 83401

Project for:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

Mark	Date	Description

Project Number:
16065
Plan Series:
HET-SDS-09-07
Property Number:
500-5990

Sheet Title:
**AUTOMATIC
TEMPERATURE
CONTROL
WIRING AND
SCHEDULES**

Sheet:

ME701

WIRING DIAGRAM

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