



CONTROL EQUIPMENT		
MARK	DESCRIPTION	CAT. NO. 1
T-1	THERMOSTAT	T7350H1009
S-1	REMOTE TEMPERATURE SENSOR SELECTABLE 10K OHM OR 20K OHM	T7771A1005
S-2	REMOTE TEMPERATURE SENSOR 20K OHM	T7770A2004
DS-1	DISCHARGE AIR SENSOR	C7041B2005
DM-1	DAMPER MOTOR TWO POSITION	MS8105A1008
RIB	RELAY	FUNCTIONAL DEVICES RIBU1C
X-2	TRANSFORMER 120V/24V 50VA	A1150F1002

- ① ALL CATALOG NUMBERS SHOWN ARE HONEYWELL UNLESS NOTED OTHERWISE.
- ② SEE SPECIFICATION.
- ③ PROVIDE ENCLOSURE
- ④ TO BE PURCHASED FROM AN APPROVED PANEL BUILDER SEE SPECIFICATION.

- NOTES:
- 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).
 - IF CONDENSING UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN CONDENSING UNIT TO PROPERLY INTERFACE CONTROLS.
 - 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.
 - DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
 - VERIFY THAT FURNACE FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
 - DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
 - PROVIDE CHASE NIPPLE W/PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
 - PROVIDE CABLE CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.

SINGLE FURNACE WIRING DIAGRAM
SCALE: NONE

Architect / Engineer:

GENE C. ULMER
ARCHITECT

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Date: June 22, 2021

Stamp:

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Stake Suite Addition
Nampa ID Ridgevue Stake

18463 Northside Boulevard
Nampa, Idaho 83687

Project for:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date (max)	Description

Project Number: 22112
Plan Series: HER-98
Property Number: 581027220030101

Sheet Title:

AUTOMATIC TEMPERATURE CONTROL AND WIRING SCHEDULES

Sheet:

ME301

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PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO
5282
JUNE 22, 2021
GENE C. SUDWICKS