

- NOTES:
1. THE SEQUENCE OF OPERATION FOR AH-2 SHALL REMAIN THE SAME AS IS EXCEPT THE STATIC PRESSURE CONTROL. THE INLET GUIDE VANES ARE REPLACED WITH THE VARIABLE FREQUENCY DRIVE. SEE SEQUENCE OF OPERATION PARAGRAPH 2 IN BOLD.
 2. AH-2 IS ALREADY EQUIPPED WITH DDC CONTROLS. ALL DEVICES SHALL REMAIN EXCEPT FOR THOSE INDICATED.

SEQUENCE OF OPERATIONS

THE UNIT WILL BE STARTED AND STOPPED BY THE MAIN CONTROL PANEL LOCATED IN ROOM 214. WHEN THE UNIT IS ORDERED TO START, THE SOLENOID AIR VALVE, DISCHARGE AIR DAMPER, D1, WILL BE ENERGIZED. WHEN AIRFLOW IS PROVEN THROUGH THE CURRENT SENSOR, CS1, THE CONTROL SYSTEM WILL BE MADE OPERABLE.

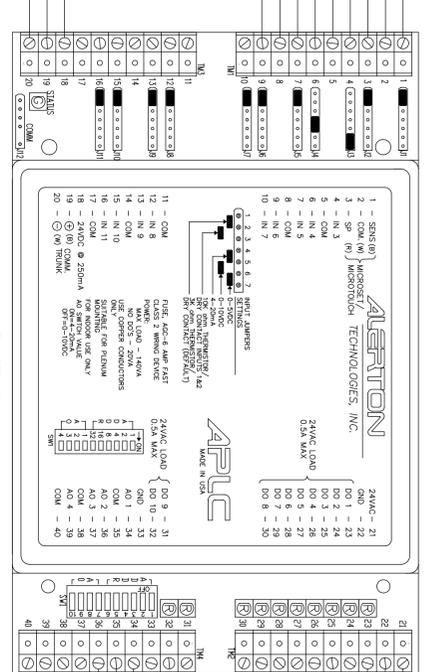
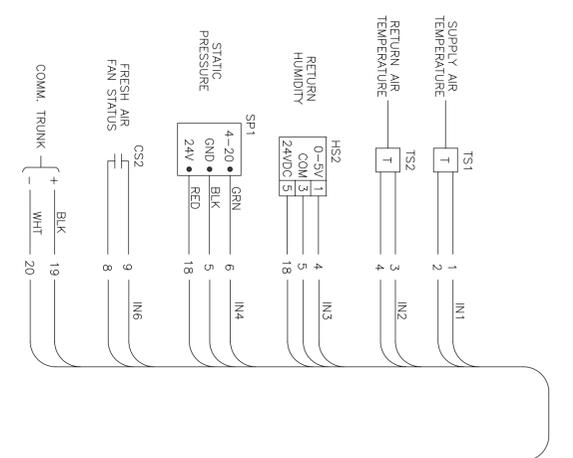
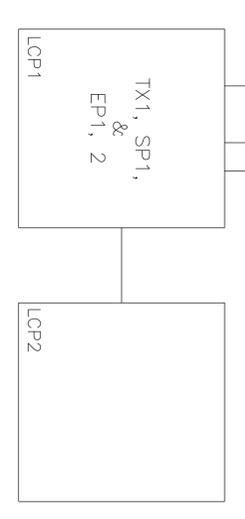
SYSTEM STATIC PRESSURE, AS SENSED BY STATIC PRESSURE SENSOR, SP1, WILL BE CONTROLLED BY THE TERMINAL UNIT CONTROLLER, TX1. ON A DROP IN STATIC PRESSURE, TX1 WILL MODULATE THE VARIABLE FREQUENCY DRIVE OPEN. ON A RISE IN STATIC PRESSURE, THE REVERSE WILL OCCUR.

DISCHARGE AIR TEMPERATURE, AS SENSED BY TEMPERATURE SENSOR, TS1, WILL BE CONTROLLED BY TX1. ON A RISE IN DISCHARGE TEMPERATURE, TX1 WILL MODULATE THE REVERSE TO THE COIL. ON A DROP IN TEMPERATURE, THE REVERSE WILL OCCUR.

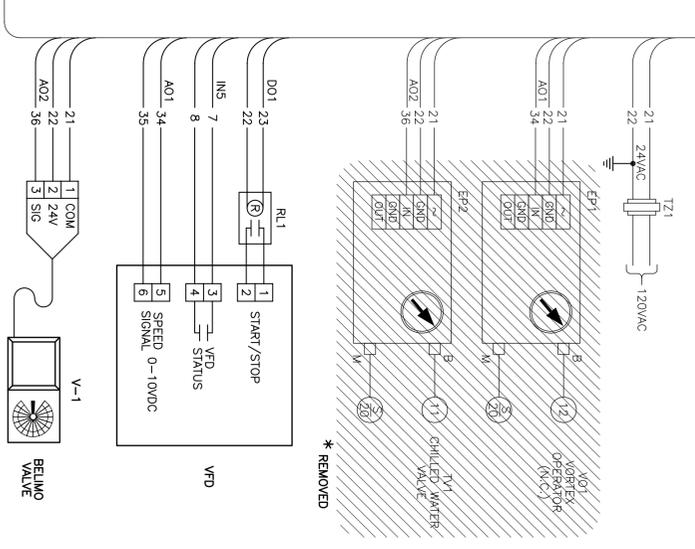
RETURN AIR HUMIDITY, AS SENSED BY HUMIDITY SENSOR, HS1, WILL BE CONTROLLED BY TX1. ON A RISE IN HUMIDITY, TX1 WILL MODULATE THE REVERSE TO THE COIL. ON A DROP IN HUMIDITY, THE REVERSE WILL OCCUR.

WHEN THE MAIN CONTROL PANEL IN ROOM 214 IS TURNED TO THE EMERGENCY POSITION, THE SOLENOID AIR VALVE, EV-2, WILL BE ENERGIZED. OPENING THE OUTSIDE AIR DAMPER, D1, AND THE FRESH AIR FAN INAKE DAMPER, D3, THE RETURN AIR DAMPER, D4, WILL BE ENERGIZED CLOSED, AND THE FRESH AIR FAN EXHAUST FAN F-6, WILL BE STARTED AND STOPPED BY THE MAIN CONTROL PANEL LOCATED IN ROOM 214.

NOTE: CIRCLED CONNECTIONS ARE LOCATED IN PANEL LCP2



EXISTING
ADDRESS:
AHU-2 : 1-4

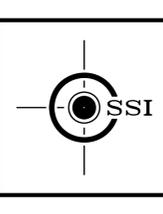


AIR HANDLING UNIT CONTROL

AH-2

NO.	DATE	ISSUED	REVISIONS
9			
8			
7			
6			
5			
4			
3			
2			
1			

H.C.S.O.
SHERIFF'S OPERATION CENTER
2008 8TH AVENUE
TAMPA, FLORIDA 33605



DATE	04-13-09
PROJECT NO.	0615
DRAWN	W.W.
CHECKED	F.O.

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