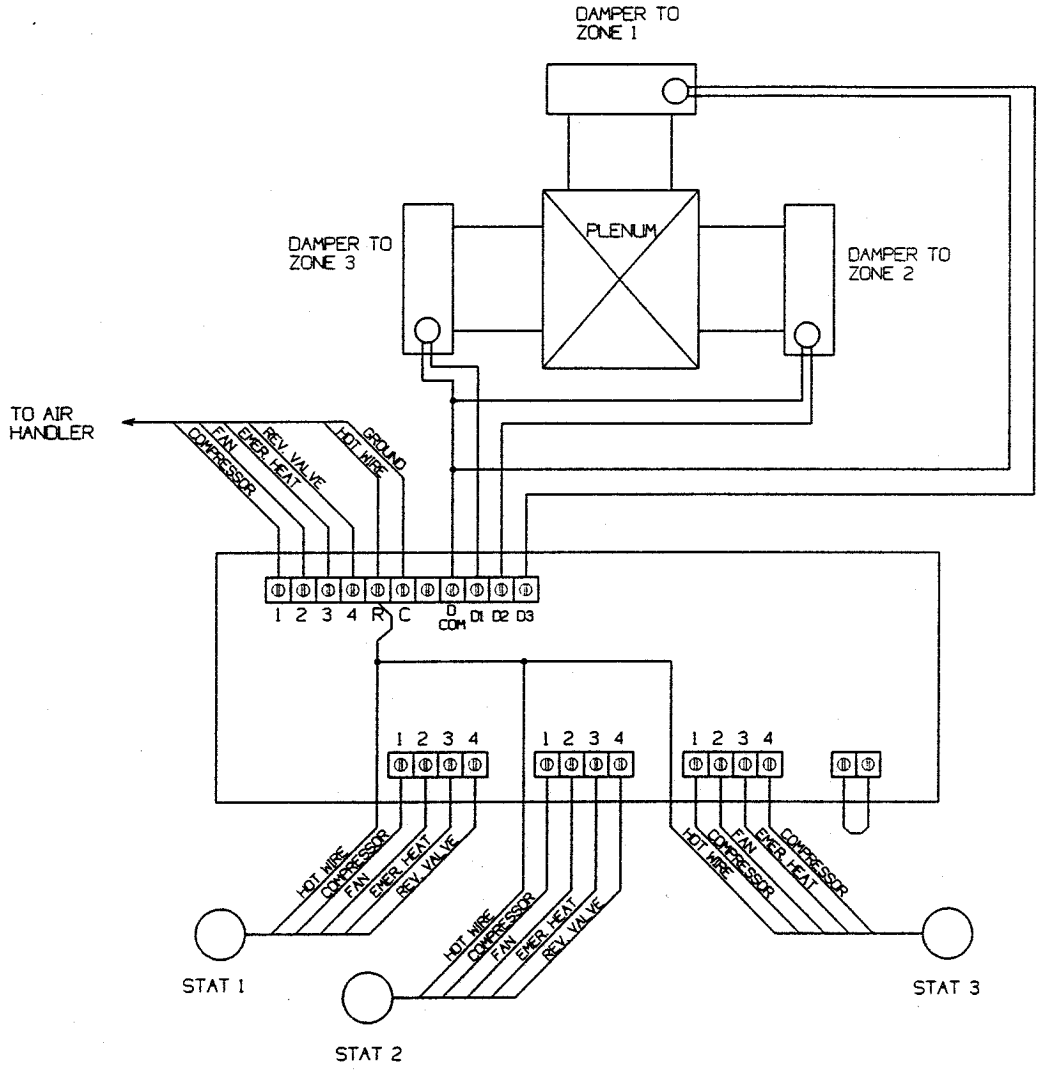

HEAT PUMP WIRING

WIRING INSTRUCTIONS
- HEAT PUMP -

A) INPUT TERMINALS FROM STAT 1 :

TERMINAL 1 - COMPRESSOR RELAY SIGNAL
TERMINAL 2 - FAN RELAY SIGNAL
TERMINAL 3 - HEAT RELAY SIGNAL
TERMINAL 4 - CHANGE OVER VALVE SIGNAL

B) INPUT TERMINALS FROM STAT 2 :

TERMINAL 1 - COMPRESSOR RELAY SIGNAL
TERMINAL 2 - FAN RELAY SIGNAL
TERMINAL 3 - HEAT RELAY SIGNAL
TERMINAL 4 - CHANGE OVER VALVE SIGNAL

C) INPUT TERMINALS FROM STAT 3 :

TERMINAL 1 - COMPRESSOR RELAY SIGNAL
TERMINAL 2 - FAN RELAY SIGNAL
TERMINAL 3 - HEAT RELAY SIGNAL
TERMINAL 4 - CHANGE OVER VALVE SIGNAL

D) OUTPUT TERMINALS TO THE AIR HANDLER :

TERMINAL 1 - COMPRESSOR RELAY
TERMINAL 2 - FAN RELAY
TERMINAL 3 - HEAT RELAY
TERMINAL 4 - CHANGE OVER VALVE
TERMINAL R - THIS TERMINAL IS TO BE WIRED TO THE "HOT" WIRE FROM THE 24V TRANSFORMER IN THE AIR HANDLER. IT MUST ALSO BE WIRED TO THE "R" TERMINAL AT EACH THERMOSTAT.
TERMINAL C - THIS TERMINAL IS TO BE WIRED TO THE "COMMON" TERMINAL FROM THE 24V TRANSFORMER IN THE AIR HANDLER. ON SOME HEAT PUMPS IT MAY BE NECESSARY FOR THIS TERMINAL TO BE WIRED TO THE THERMOSTATS.

E) OUTPUT TERMINALS TO THE DAMPERS :

TERMINAL D1 - THIS TERMINAL IS TO BE CONECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 1.
TERMINAL D2 - THIS TERMINAL IS TO BE CONNECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 2.
TERMINAL D3 - THIS TERMINAL IS TO BE CONNECTED TO THE SOLENOID THAT CONTROLS THE DAMPER FOR AREA 3.
TERMINAL D-COM - THIS TERMINAL IS TO BE WIRED TO THE SOLENOID COMMON.

NOTES

1. IF THE UNIT TO WHICH THE T.E.C. IS WIRED, HAS A TRANSFORMER SMALLER THAN 100 VA. THE TRANSFORMER MUST BE REPLACED WITH ONE 100 VA OR LARGER.
2. THE DAMPER SOLENOIDS ARE NOT POLARITY SENSITIVE AND MAY BE WIRED WITH EITHER POLARITY.
3. THE SOLENOIDS ARE DC. DO NOT CONNECT "COMMON" AND "D-COM".

REVISION	REASON	DATE

MAVERICK TECHNICAL SYSTEMS, INC.
4315 HWY. 80 EAST GLADEWATER, TX 75647

TITLE: CONNECTION DIAGRAM, T.E.C. III ZONE CONTROL
HEAT PUMPS WHICH ENERGIZE THE REVERSING VALVE
IN THE COOLING MODE

DRAWN BY: M. FRIEND DATE: 1-24-94 SCALE: 2.5
DWG NO. M95C03 SHEET 1 OF 1