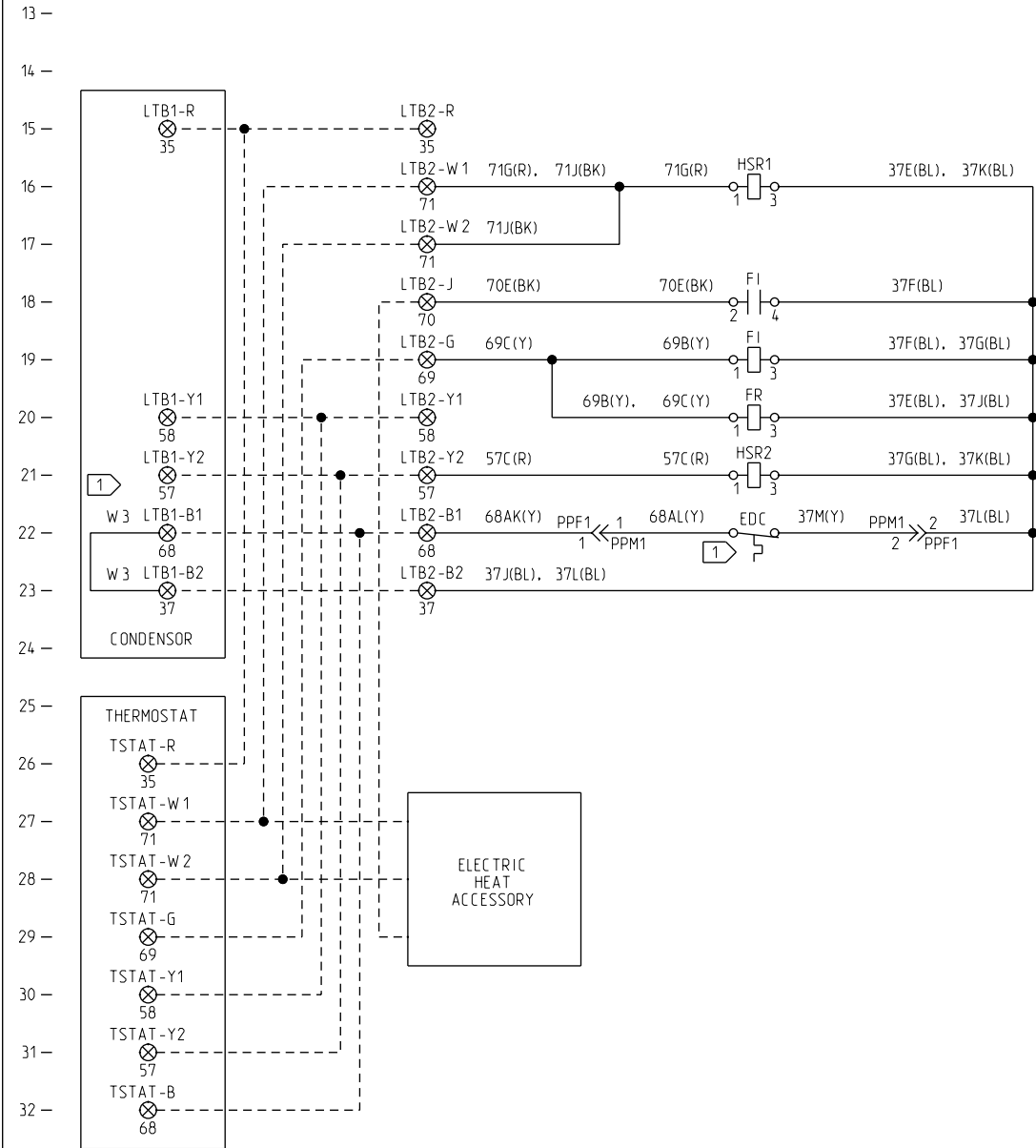


LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
EDC	SWITCH - DEFROST	22
F1	RELAY - FAN INTERLOCK	18,19
FR	RELAY - FAN RUN	7,20
FU6	FUSE - PHASE 1	2
FU7	FUSE - PHASE 2	3
FU8	FUSE - PHASE 3	4
HSR1	RELAY - HIGH SPEED #1	11,16
HSR2	RELAY - HIGH SPEED #2	12,21
IDM	MOTOR - INDOOR FAN	2
KPD	KEYPAD - V.F.D.	9
R1	RESISTOR - 1.1K OHM	10
VFD	VARIABLE FREQUENCY DRIVE	2

SHEET SIZE: 8.5 X 11 INCHES



PROGRAMMING PARAMETERS		
PARAMETER	DESCRIPTION	SETTING
0-01	LANGUAGE	ENGLISH US
0-03	REGIONAL SETTINGS	NORTH AMERICA
0-20	DISPLAY LINE 1.1 SMALL	ANALOG INPUT 53
0-22	DISPLAY LINE 1.3 SMALL	INPUT POWER [HP]
0-40	[HAND ON] KEY ON LCP	DISABLED
1-03	TORQUE CHARACTERISTICS	VARIABLE TORQUE
1-21	MOTOR POWER [HP]	SET BASED ON MOTOR NAMEPLATE
1-22	MOTOR VOLTAGE	SET BASED ON MOTOR NAMEPLATE
1-23	MOTOR FREQUENCY	SET BASED ON MOTOR NAMEPLATE
1-24	MOTOR CURRENT	SET BASED ON MOTOR NAMEPLATE
1-25	MOTOR NOMINAL SPEED	SET BASED ON MOTOR NAMEPLATE
1-73	FLYING START	ENABLED
1-90	MOTOR THERMAL PROTECTION	NO PROTECTION
2-00	DC HOLD/PREHEAT CURRENT	0
2-01	DC BRAKE CURRENT	0
2-04	DC BRAKE CUT IN SPEED [HZ]	10
3-41	RAMP 1 RAMP-UP TIME	10
3-42	RAMP 1 RAMP-DOWN TIME	30
4-12	MOTOR SPEED LOW LIMIT [HZ]	25
4-16	TORQUE LIMIT MOTOR MODE	115%
4-18	CURRENT LIMIT	115% RATED CURRENT
5-12	TERMINAL 27 DIGITAL INPUT	COAST INVERSE
6-14	TERMINAL 53 LOW REF	SEE IOM
14-01	SWITCHING FREQUENCY	8.0 KHZ
14-04	PWM RANDOM	ON
14-12	FUNCTION AT MAINS IMBALANCE	DERATE
14-20	RESET MODE	AUTOMATIC RESET X 3
14-60	FUNCTION AT OVER TEMPERATURE	DERATE
14-61	FUNCTION AT INVERTER OVERLOAD	DERATE

- NOTES:
- REMOVE JUMPER W3 FROM CONDENSOR SECTION TO ENABLE EDC SWITCH.
 - SINGLE POINT POWER ENTRY CONNECTION POINTS WILL BE AT FUSE BLOCK. SEE CUSTOMER CONNECTIONS ON CONNECTION PRINT.
 - WIRES 27B AND 29B USED FOR OPTIONAL TRANSFORMER KIT - CONNECTING AIR HANDLER UNIT WITH TWO RESIDENTIAL CONDENSER UNITS.

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BL	BLUE	O	ORANGE
BK	BLACK	R	RED
BR	BROWN	V	VIOLET (PURPLE)
G	GREEN	W	WHITE
GY	GRAY (SLATE)	Y	YELLOW

FUSE REPLACEMENT TABLE						
MOTORS						
VFD CIRCUIT FUSE FU6-FU8 (CLASS "J" FUSES)	UNIT VOLTAGE	FUSE RATING	2 HP	3 HP	5 HP	7.5 HP
	208V/60/3	600V	20A	30A	50A	60A
	230V/60/3	600V	20A	30A	50A	60A
	460V/60/3	600V	10A	15A	20A	30A
	575V/60/3	600V	10A	10A	20A	25A

TRANE		FILE NUMBER:	DRAWING NUMBER: 2313-0450		SHEET: 1 OF 1	REV B
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.		ODYSSEY DIAGRAM				
DRAWN BY: B.W ALDEN	TRANE © DATE: 20-JUN-11	AIR HANDLER - 2-SPEED ELECTROMECHANICAL				
REPLACES: --	REVISION DATE: 9 DEC 2014	--				
CAD SYSTEM USED: Pro/DIAGRAM	SIMILAR TO: --					