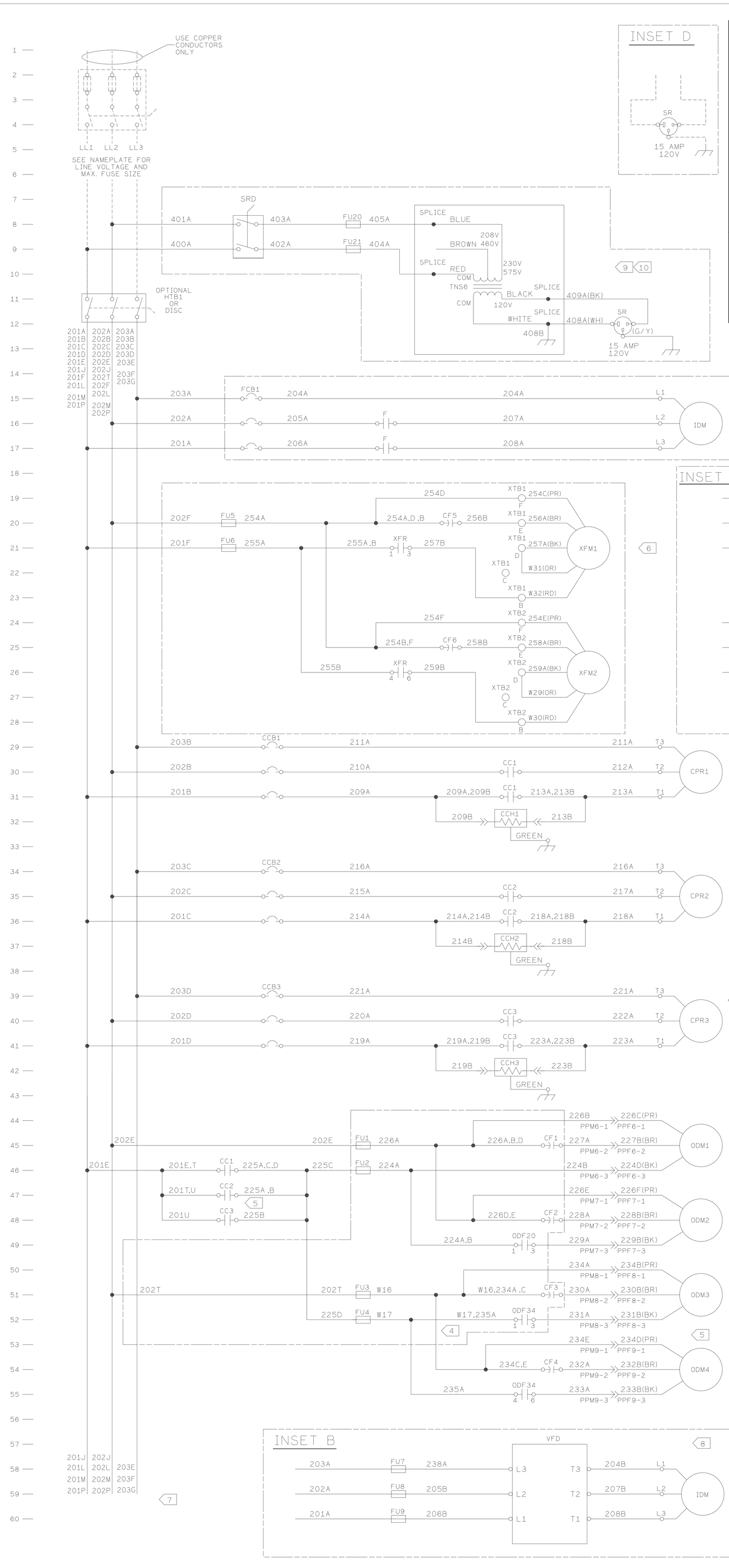

WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.

FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT

VOLTAGE HASARDEUX!

DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN.

FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAINER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

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.

* * LEGEND * *

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
BPS	BYPASS SWITCH	60
CCB1	COMPR. CIRCUIT BREAKER #1	29
CCB2	COMPR. CIRCUIT BREAKER #2	34
CCB3	COMPR. CIRCUIT BREAKER #3	39
CCH1	COMPR CRANKCASE HEATER #1	32
CCH2	COMPR CRANKCASE HEATER #2	37
CCH3	COMPR CRANKCASE HEATER #3	42
CF1	OUTDOOR MOTOR CAPACITOR	21,45
CF2	OUTDOOR MOTOR CAPACITOR	25,48
CF3	OUTDOOR MOTOR CAPACITOR	29,51
CF4	OUTDOOR MOTOR CAPACITOR	54
CF5	EXHAUST FAN CAPACITOR	20
CF6	EXHAUST FAN CAPACITOR	25
CPR1	COMPRESSOR 1	30
CPR2	COMPRESSOR 2	35
CPR3	COMPRESSOR 3	40
DISC	MANUAL DISCONNECT SWITCH	11
FCB1	FAN CIRCUIT BREAKER #1	15
FU1	OUTDOOR FAN FUSE	21,45
FU2	OUTDOOR FAN FUSE	22,46
FU3	OUTDOOR FAN FUSE	51
FU4	OUTDOOR FAN FUSE	52
FU5	EXHAUST FAN FUSE	20
FU6	EXHAUST FAN FUSE	21
FU7	VAR FREQUENCY DRIVE FUSE	58
FU8	VAR FREQUENCY DRIVE FUSE	59
FU9	VAR FREQUENCY DRIVE FUSE	60
FU20	SERVICE RECEPTACLE FUSE	8
FU21	SERVICE RECEPTACLE FUSE	9
HTB1	HIGH VOLT TERMINAL BLOCK	11
IDM	INDOOR FAN MOTOR	16,59
ODM1	OUTDOOR FAN MOTOR	45
ODM2	OUTDOOR FAN MOTOR	48
ODM3	OUTDOOR FAN MOTOR	51
ODM4	OUTDOOR FAN MOTOR	54
SR	SERVICE RECEPTACLE-GFCI	4,12
SRD	SERVICE RECEPTACLE DISC.	8
TNS6	SERVICE RECEPTACLE XFMR	10
VFD	VARIABLE FREQUENCY DRIVE	56,57
XFM1	EXHAUST FAN MOTOR #1	21,21
XFM2	EXHAUST FAN MOTOR #2	26,26

NOTES:

1 UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25 C (77 F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.

2 DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.

3 NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4 WIRING OF ODM1,2,3 AND 4 SHOWN IS FOR 208-230 VOLT UNITS. SEE INSET A FOR 380-575 VOLT UNITS.

5 CC3, CCB3, CPR3, AND ODM4 USED ONLY ON TE_480 AND TE_600 UNITS.

6 COMPONENTS FU5,FU6,CF5,CF6,XFR,XFM1 AND XFM2 ARE USED FOR OPTIONAL POWER EXHAUST. EXHAUST FANS ARE WIRED FOR LOW SPEED. WHEN HIGH SPEED IS NEEDED SEE INSET E FOR CONNECTION.

7 WIRES 201P,202P AND 203G ARE USED FOR 54 KW 208-230 VOLT, AND FOR 90 AND 108 KW 380-575 VOLT.

8 WIRING SHOWN IS FOR UNITS WITH STANDARD INDOOR FAN DRIVES. WHEN UNIT HAS OPTIONAL VARIABLE FREQUENCY DRIVE SEE INSET B AND C.

9 COMPONENTS SRD, FU20, FU21, TNS6 AND SR ARE FOR OPTIONAL FACTORY POWERED GFI CONVENIENCE OUTLET, AND ARE SHOWN WIRED FOR 230V OR 575V. FOR 208V OR 460V UNITS WIRE 405A IS CONNECTED TO BROWN LEAD ON TNS6.

10 SEE INSET D FOR FIELD POWERED GFI CONVENIENCE OUTLET.

11 SEE APPLICABLE VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.

METAL PLATE 11 X 17

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DRAWN BY: C.RISSLER
DATE: 5-4-03
REPLACES:
REVISION DATE:
SIMILAR TO: 2307-4641
2309-3209

FILE NUMBER:

MOTOR POWER SCHEMATICS
TE 208-575 VOLTS

DRAWING NUMBER: 2309-3211
REV C