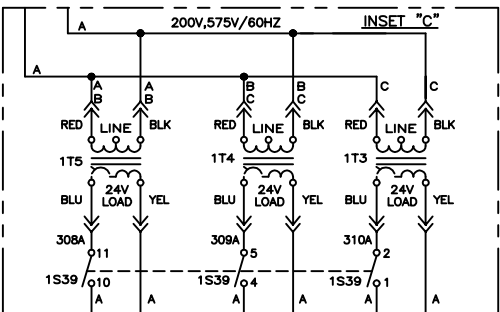
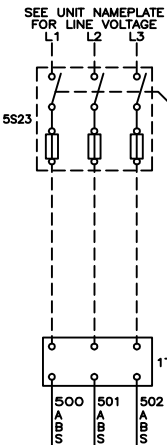
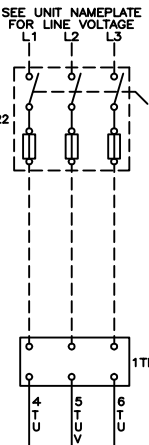


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60



DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	UNIT CONTROL PANEL
2	COMPRESSOR SECTION
3	
4	SUPPLY FAN & COIL SECTION
5	FIELD INSTALLED DEVICE
6	STEAM/HOT WATER HEAT SECTION
7	INVERTER CONTROL PANEL
8	REMOTE AIR COOLED COND SECTION (CCRB)

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1CB2	COMPRESSOR CIRCUIT BREAKER	25-27
1CB3	COMPRESSOR CIRCUIT BREAKER	32-34
1DL1	TIME DELAY RELAY	141,160
1DL2	TIME DELAY RELAY	145,164
1F4,5	TRANS. PRIMARY FUSE	50,51
1F6	TRANS. SECONDARY FUSE	56
1F8,9	TRANS. PRIMARY FUSE	52,53
1K2	COMPRESSOR CONTACTOR	123,124
1K3	COMPRESSOR CONTACTOR	127,136
1K7	FAN RUN REQUEST RELAY	82
1K8	VFD START COMMAND RELAY	81
1S38	115V CONTROL CIRCUIT SWITCH	56
1S39	24V CONTROL CIRCUIT SWITCH	56
1T1	CONTROL POWER TRANS. (115V)	10,54
1T3,4,5	CONTROL POWER TRANS. (24V)	56
1TB1	LINE VOLTAGE TERMINAL BLOCK	8
1TB2,3	115VAC FACTORY TERMINAL BLOCK	
1TB4	24VAC FACTORY TERMINAL BLOCK	
1TB5	24VDC FACTORY TERMINAL BLOCK	
1TB6	115VAC FIELD TERMINAL BLOCK	
1TB7,11	24VAC FIELD TERMINAL BLOCK	
1TB8,10	24VDC FIELD TERMINAL BLOCK	
1TB9	115VAC FIELD TERMINAL BLOCK	
1TB12	COMM. FACTORY TERMINAL BLOCK	
1TB13	LINE VOLTAGE TERMINAL BLOCK	8
1U10	TIME CLOCK	111
1U32	RTM MODULE	61
1U33	MULTIPLE CIRCUIT MODULE	121
1U34	HEAT MODULE	182,196
1U35	GENERIC BAS MODULE	223
1U36	COMPARATIVE ENTHALPY MODULE	242
1U37	VENTILATION OVERRIDE MODULE	258
1U39	INTERPROCESSOR COMM. BRIDGE	279
1U40	VENTILATION CONTROL MODULE	208
1U41	WATER-SIDE MODULE	149
1U42	HUMAN INTERFACE MODULE	286
1U43	TRACER/LCI-I COMM. INTERFACE	272
1U44	BACNET COMM. INTERFACE (BCI-I)	272
1U46	PRESSURE TRANSDUCER	93
1U49	PRESSURE TRANSDUCER (VCM)	211
1U50	PHASE MONITOR	12
2B2,3	A & B COMPRESSOR	26,33
2HR1	CRANKCASE HEATERS	24
2HR2	CRANKCASE HEATERS	31
2RT11	ENT. CONDENSER WATER TEMP.	151

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
2RT14	SAT. CONDENSER TEMP. CKT.1	127
2RT15	SAT. CONDENSER TEMP. CKT.2	139
2RT18	ENT. WATER TEMP. SENSOR	161
2S18	LOW PRESSURE CUTOUT CKT.1	125
2S19	LOW PRESSURE CUTOUT CKT.2	137
2S2	HIGH PRESSURE CUTOUT CKT.1	125
2S3	HIGH PRESSURE CUTOUT CKT.2	137
2S40	ENT. AIR LOW TEMP. LIMIT	168
2S6	WATER FLOW SWITCH	158
2U43	BYPASS VALVE ACTUATOR	155
2U5	ECONOMIZER VALVE ACTUATOR	151
3L2	CALIBRATION SOLENOID	210

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
4B1	SUPPLY FAN MOTOR	18
4EP1	REFRIGERANT SOLENOID VALVE	142,161
4EP2	REFRIGERANT SOLENOID VALVE	143,162
4RT1	SUPPLY AIR TEMP. SENSOR	91
4RT4	MIXED AIR TEMP. SENSOR	174
4RT7	EVAP. TEMP. SENSOR CKT.1	123
4RT8	EVAP. TEMP. SENSOR CKT.2	135
4RT11	AUX. TEMP. SENSOR	213
4S8	DIRTY FILTER SWITCH	117
4S17	RETURN AIR HIGH TEMP. LIMIT	106
4S41	ENT. AIR LOW TEMP. LIMIT	204
4S42	SUPPLY AIRFLOW PROVING SWITCH	113
4S43	HYD. HEAT LEAVE AIR TEMP. LIMIT	198
5RT5	MORNING WARM-UP SENSOR	186,201
5RT19	OUTDOOR AIR TEMP. SENSOR	100
5RT20	RETURN AIR TEMP. SENSOR	251
5S16	SUPPLY AIR HIGH TEMP. LIMIT	106
5S22	FUSED DISCONNECT SWITCH	2
5S23	FUSED DISCONNECT SWITCH	2
5S45	PLENUM HIGH PRESSURE STATIC SW	106
5U9	ASE ACTUATOR	71
5U22	CV REMOTE PANEL	78
5U23	ZONE TEMP. SENSOR	65
5U24	REMOTE PANEL W/ NSB	86
5U25	VAV REMOTE PANEL	76
5U26	ZONE RESET TEMP. SENSOR	97
5U27	OUTDOOR AIR HUMIDITY SENSOR	104
5U28	REMOTE HUMAN INTERFACE MODULE	291
5U29	CV ZONE PANEL	76
5U30	REMOTE ZONE TEMP. SENSOR	88
5U47	RETURN AIR HUMIDITY SENSOR	253
5U50	CO2 SENSOR	214
6U13	HYDRONIC HEAT ACTUATOR	198,204
1F1	VFD INPUT FUSE	17
1F2	VFD INPUT FUSE	18
1F3	VFD INPUT FUSE	19
7U20	VARIABLE FREQUENCY DRIVE	18
8RT21	SAT. CONDENSER TEMP. CKT.1	127
8RT22	SAT. CONDENSER TEMP. CKT.2	139
8U44	LOW AMBIENT DAMPER ACTUATOR	133,166
8U45	LOW AMBIENT DAMPER ACTUATOR	146
W10	WATER-COOLED MANIF. JUMPER	136
W11	RUN PERMISSION JUMPER	81
W12	EMERGENCY STOP JUMPER	106
W13	SUPP. HIGH TEMP. LIMIT JUMPER	106
W14	EXTERNAL AUTO/STOP JUMPER	109
W17	ECM JUMPER	245
W30	WATER FLOW SWITCH JUMPER	160

- NOTES:
- 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.
 - 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 LINES INDICATE WIRING BY TRANE CO.

- 4 CONNECTIONS SHOWN TO TRANSFORMER 1T1 ARE FOR 460V OPERATION. SEE INSET "A" FOR 200V. SEE INSET "B" FOR 575V.
- 5 CONNECTIONS SHOWN TO TRANSFORMERS 1T3, 1T4, & 1T5 ARE FOR 460V OPERATION. SEE INSET "C" FOR 200/575V.

WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIRE LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES, DANS LE CAS D'UNITES COMPORTANT DES ENTRAINEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAIEMENT POUR DECHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGIA ELECTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

NOTICE

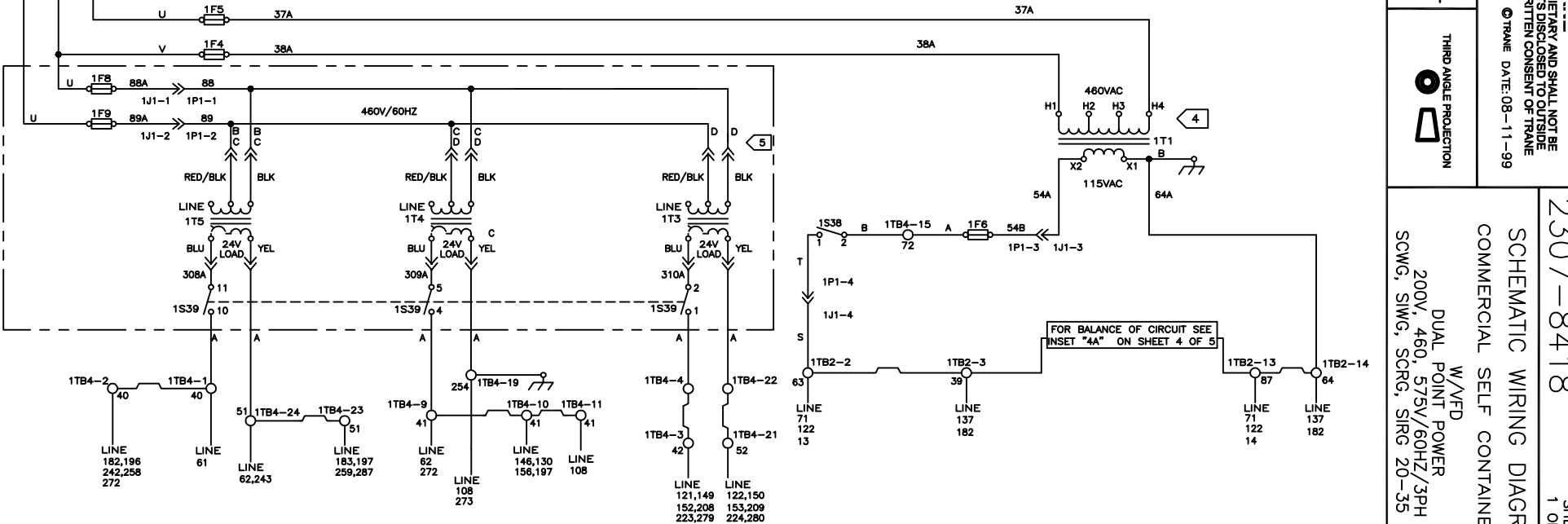
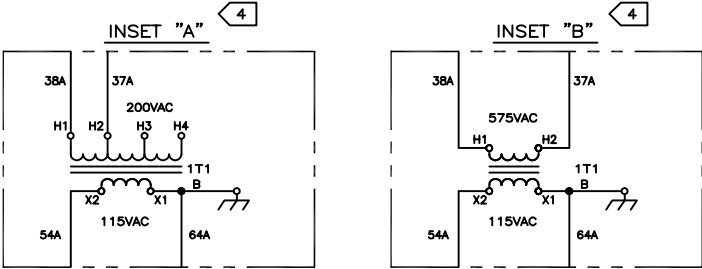
USE COPPER CONDUCTORS ONLY. UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

AVIS

UTILISER QUE DES CONDUCTEURS EN CUivre. LES BORDES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. FAIRE DEFUAT A LA PROCEDURE C-DESSUS PEUT ENTRAINER DES DOMAGES A L'EQUIPEMENT.

AVISO

UTILICE ÚNICAMENTE CONDUCTORES DE COBRE. LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. NO SIGUIR LAS INSTRUCCIONES ANTERIORES PUEDE PROVOCAR DAÑO EN EL EQUIPO.



CN: SC6366

16-MAY-11

B. SPAINHOUR

DO NOT SCALE PRINT

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE

DRAWN BY: M. PETERS

DATE: 08-11-99

2307-8418

SCHEMATIC WIRING DIAGRAM

COMMERCIAL SELF CONTAINED,

DUAL POINT POWER

200V, 460, 575V/60HZ/3PH

SCWG, SWG, SCRG, SRG 20-35 TON

W/VFD

SHEET 1 OF 5

P