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DRAWN BY: C WALLS ©TRANE DATE:22-APR-2013		RTAC		
REPLACES:		4 COMPRESSOR UNIT ACROSS-LINE STARTER		
REVISION DATE: 14-MAR-2022		TABLE of CONTENTS & NOTES		
SIMILAR TO:				

COLOR CODE	EN ENGLISH	FR FRENCH	DE GERMAN	IT ITALIAN	NL DUTCH	ES SPANISH
BLK	BLACK	NOIR	SCHWARZ	NERO	ZWART	NEGRO
BRN	BROWN	BRUN	BRAUN	MARRONE	BRUIN	MARRON
BLU	BLUE	BLEU	BLAU	BLU	BLAUW	AZUL
GRN	GREEN	VERT	GRUEN	VERDE	GROEN	VERDE
ORN	ORANGE	ORANGE	ORANGE	ARANCIONE	ORANJE	NARANJA
RED	RED	ROUGE	ROT	ROSSO	ROOD	ROJO
VIO	PURPLE	VIOLET	VIOLETT	VIOLA	PAARS	VIOLETA
WHT	WHITE	BLANC	WEISS	BIANCO	WIT	BLANCO
YEL	YELLOW	JAUNE	GELB	GIALLO	GEEL	AMARILLO

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GENERAL & FLAG NOTES

NOTES:

- 1 DASHED LINES INDICATE FIELD WIRING BY OTHERS.
- 2 ALL UNIT POWER WIRING MUST BE COPPER CONDUCTORS ONLY AND HAVE A MINIMUM TEMPERATURE INSULATION RATING OF 90 DEGREE C. SEE UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM FUSE SIZE.
- 3 ONLY LUGS ARE PROVIDED FOR FIELD WIRING IN THE SINGLE SOURCE PANEL.
- 4 WIRING FOR 460V UNIT SHOWN. SEE INSET "A" FOR CONTROL POWER TRANSFORMER WIRING FOR OTHER VOLTAGES.
- 5 SINGLE SOURCE POWER OPTIONS ARE AVAILABLE WHEN VOLT = 400, 460 OR 575. DUAL SOURCE POWER IS PROVIDED WHEN VOLT = 200, 230 OR 380.
- 6 FOR LOW AND WIDE AMBIENT OPTION, 1K9 IS NOT PRESENT AND REPLACE 62G BY 151C & 73A BY 152C. SEE INSET "C"
- 7 EVAPORATOR HEATER COMPONENTS 6TS1, 6HR1, 6HR2, 6HR3, 6HR4 AND ASSOCIATED WIRING ARE STANDARD ON ALL RTAC PRODUCTS WITH A UNIT MOUNTED EVAPORATOR.
- 8 OPTIONAL CUSTOMER CONVENIENCE OUTLET. MAX FUSE SIZE IS 25 AMPS.
- 9 WIRING FOR 460V UNIT SHOWN. SEE INSET "D" FOR CONTROL POWER TRANSFORMER WIRING FOR OTHER VOLTAGES.
- 10 FOR LOW AND WIDE AMBIENT OPTION, 2K9 IS NOT PRESENT AND REPLACE 562G BY 651C & 573A BY 652C. SEE INSET "F".
- 11 UNITS WITHOUT THE CONTROL PANEL VENTILATION FAN ARE WIRED AS SHOWN. SEE INSET "B" FOR WIRING WHEN THE VENTILATION FAN IS PROVIDED.
- 12 REFERENCE INSET "G" FOR 3B3 AND 3B13 WIRING WITH LOW AMBIENT OR WIDE AMBIENT TEMPERATURE OPTION.
- 13 FAN DECK CONFIGURATIONS FOR VARIOUS TONNAGES, EFFICIENCIES AND HZ ARE SHOWN IN INSET "H".
- 14 TRANSFORMER 1T10, 1T11 AND ASSOCIATED WIRES USED ONLY ON 575V 60HZ UNITS. ON 575V UNITS WIRES 31A, 32A AND 33A CONNECT TO TERMINALS H1, H2 AND H3 ON 1T10 AND WIRES 47A, 48A AND 49A CONNECT TO TERMINALS H1, H2 AND H3 ON 1T11.
- 15 REFERENCE INSET "I" FOR 4B3 AND 4B13 WIRING WITH LOW AMBIENT OR WIDE AMBIENT TEMPERATURE OPTION.
- 16 FAN DECK CONFIGURATIONS FOR VARIOUS TONNAGES, EFFICIENCIES AND HZ ARE SHOWN IN INSET "J".
- 17 TRANSFORMER 2T10, 2T11 AND ASSOCIATED WIRES USED ONLY ON 575V 60HZ UNITS. WIRES 531A, 532A & 533A CONNECT TO TERMINALS H1, H2 & H3 ON 2T10 & WIRES 547A, 548A & 549A CONNECT TO TERMINALS H1, H2 & H3 ON 2T11.
- 18 REMOVE JUMPER W3 BETWEEN 1TB6-5 AND 1TB6-3 WHEN 1K5 AUX IS INSERTED INTO THE EVAPORATOR WATER FLOW INTERLOCK CIRCUIT.
- 19 CONTROLS & ASSOCIATED WIRING ARE USED ONLY WHEN THE CONTROL PANEL VENTILATION FAN IS PROVIDED.
- 20 UNITS WITHOUT THE CONTROL PANEL VENTILATION FAN ARE WIRED AS SHOWN. SEE INSET "E" FOR WIRING WHEN THE VENTILATION FAN IS PROVIDED.
- 21 FOR LOW & WIDE AMBIENT OPTION HEATERS & THERMOSTAT REQUIRED. – "NO LONGER USED"
- 22 OPTIONAL CE MARK WIRING CONFIGURATION, REFERENCE SHEET 12 FOR DETAIL VIEWS.
- 23 OPTIONAL CE MARK FAN MOTOR BONDING AT GREEN/YELLOW 1TB7 OR 2TB7 CHASSIS GROUND TERMINAL BLOCKS.

**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 OUVRIR LES SECTIONNEURS À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.
NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

**ADVERTENCIA**

¡VOLTAJE PELIGROSO!
DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.
EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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.

PRECAUCIÓN

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.

ATTENTION

¡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.

TRANE		23094623	SHEET 2 OF 12
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REPLACES:		RTAC	
REVISION DATE: 14-MAR-2022		4 COMPRESSOR UNIT ACROSS-LINE STARTER	
SIMILAR TO:		DEVICES, DESCRIPTIONS & DESIGNATIONS	

DEVICES, DESCRIPTIONS & DESIGNATIONS

LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC PANEL COMPONENTS, CONTROL PANEL 1		
1B1	21	PANEL VENTILATION FAN (CONTROL PANEL 1)
1CB1	3	HACR CIRCUIT BREAKER, CIRCUIT 1
1F1-3	243-245	CONDENSER FAN FUSES, CIRCUIT 1
1F4-6	268-270	CONDENSER FAN FUSES, CIRCUIT 1
1F7-9	279-281	CONDENSER FAN FUSES, CIRCUIT 1
1F10-12	291-293	CONDENSER FAN FUSES, CIRCUIT 1
1F13-14	248	CONTROL POWER TRANSFORMER PRIMARY FUSES
1F15	17	CONTROL POWER TRANSFORMER SECONDARY FUSE, 115 VOLT CIRCUIT
1F16, 1F17	15,16	CONTROL POWER TRANSFORMER SECONDARY FUSE, LOW VOLTAGE CIRCUIT
1F18-20	243-245	INVERTER DRIVE 1 FUSES, CIRCUIT 1
1F21-23	256-258	INVERTER DRIVE 2 FUSES, CIRCUIT 1
1K1	42	START CONTACTOR, COMPRESSOR 1A
1K5	94	START CONTACTOR, COMPRESSOR 1B
1K9	23	CONDENSER FAN CONTACTOR, CIRCUIT 1
1K10	26	CONDENSER FAN CONTACTOR, CIRCUIT 1
1K11	29	CONDENSER FAN CONTACTOR, CIRCUIT 1
1K12	32	CONDENSER FAN CONTACTOR, CIRCUIT 1
1K13	33	CONDENSER FAN CONTACTOR, CIRCUIT 1
1K14	10	CONDENSER FAN CONTACTOR, CIRCUIT 1
1SW1	3	DISCONNECT SWITCH FOR CUSTOMER POWER WIRING, CIRCUIT 1
1T1	15	CONTROL POWER SUPPLY TRANSFORMER
1T2	12	CURRENT TRANSFORMER, COMPRESSOR 1A, LINE A
1T3	14	CURRENT TRANSFORMER, COMPRESSOR 1A, LINE B
1T4	17	CURRENT TRANSFORMER, COMPRESSOR 1A, LINE C
1T5	73	CURRENT TRANSFORMER, COMPRESSOR 1B, LINE A
1T6	76	CURRENT TRANSFORMER, COMPRESSOR 1B, LINE B
1T7	79	CURRENT TRANSFORMER, COMPRESSOR 1B, LINE C
1T9	42	POTENTIAL TRANSFORMER, UNDER / OVER VOLTAGE OPTION
1T10	243	INVERTER DRIVE 1 POWER SUPPLY TRANSFORMER, CIRCUIT 1
1T11	245	INVERTER DRIVE 2 POWER SUPPLY TRANSFORMER, CIRCUIT 1
1TB1	3	TERMINAL BLOCK FOR CUSTOMER POWER WIRING, CIRCUIT 1
1TB4	64-71	CUSTOMER CONTROL WIRING TERMINAL STRIP
1TB5	VARIOUS LOCATIONS	FACTORY CONTROL WIRING TERMINAL STRIP
1TB6	VARIOUS LOCATIONS	FACTORY CONTROL WIRING TERMINAL STRIP
1TB7	105,263-300	FACTORY CONTROL WIRING TERMINAL STRIP
1TS3	76	MAXIMUM TEMPERATURE LIMIT SWITCH 1 (CONTROL PANEL 1)
1TS4	21	VENTILATION FAN OFF/ON TEMPERATURE CONTROL SWITCH (CONTROL PANEL 1)
1TS5	86	MAXIMUM TEMPERATURE LIMIT SWITCH 2 (CONTROL PANEL 1)
1U2	401	POWER SUPPLY MODULE, CHS30
1U4	383	DUAL LV BINARY INPUT, EXTERNAL EMERGENCY STOP AND EXTERNAL AUTO/STOP
1U5	378	DUAL LV BINARY INPUT, EXTERNAL CIRCUIT LOCKOUT, REFRIGERANT CIRCUIT 1 & 2
1U6	371	DUAL ANALOG I/O, EXTERNAL CURRENT LIMIT AND EXTERNAL CHILLED WATER SETPOINT
1U7	366	DUAL LV BINARY INPUT, ICE MAKING CONTROL
1U8	361	COMM 3 OR 5 COMMUNICATION INTERFACE (ECHELON)
1U10	415	DUAL RELAY OUTPUT, CHILLED WATER PUMP CONTROL
1U12	396	QUAD RELAY OUTPUT, ALARM AND STATUS RELAYS
1U13	389	DUAL RELAY OUTPUT, ICE MAKING STATUS RELAY
1U14	34	STARTER MODULE, COMPRESSOR 1A
1U15	21	QUAD RELAY OUTPUT, FAN CONTROL, CIRCUIT 1
1U16	385	DUAL TRIAC OUTPUT, MODULATING LOAD / UNLOAD, COMPRESSOR 1A
1U17	390	DUAL TRIAC OUTPUT, STEP LOAD, COMPRESSORS 1A AND 1B
1U19	86	STARTER MODULE, COMPRESSOR 1B
1U21	375	DUAL TRIAC OUTPUT, MODULATING LOAD / UNLOAD, COMPRESSOR 1B
1U22	371	DUAL HV BINARY INPUT, HIGH PRESSURE CUTOUT, COMPRESSORS 1A AND 1B
1U23	366	DUAL HV BINARY INPUT, HIGH TEMPERATURE CUTOUT (CONTROL PANEL 1)
1U24	463	BAGNET COMMUNICATION INTERFACE
1U25	462	WATER FLOW SWITCH
1U26	388	FAULT VFD CIRCUIT 1
1U27	393	FAN SPEED CIRCUIT 1
1U28	246	CONDENSER FAN INVERTER DRIVE 1
1U29	258	CONDENSER FAN INVERTER DRIVE 2

LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC PANEL COMPONENTS, CONTROL PANEL 2		
2B1	141	PANEL VENTILATION FAN (CONTROL PANEL 2)
2CB1	127	HACR CIRCUIT BREAKER, CIRCUIT 2
2F1-3	303-305	CONDENSER FAN FUSES, CIRCUIT 2
2F4-6	328-331	CONDENSER FAN FUSES, CIRCUIT 2
2F7-9	340-342	CONDENSER FAN FUSES, CIRCUIT 2
2F10-12	352-354	CONDENSER FAN FUSES, CIRCUIT 2
2F13,14	307	CONTROL POWER TRANSFORMER PRIMARY FUSES
2F15	138	CONTROL POWER TRANSFORMER SECONDARY FUSE, 115 VOLT CIRCUIT
2F16,17	138,137	CONTROL POWER TRANSFORMER SECONDARY FUSE, LOW VOLTAGE CIRCUIT
2F18-20	303-305	INVERTER DRIVE 1 FUSES, CIRCUIT 2
2F21-23	316-318	INVERTER DRIVE 2 FUSES, CIRCUIT 2
2K1	162	START CONTACTOR, COMPRESSOR 2A
2K5	214	START CONTACTOR, COMPRESSOR 2B
2K9	143	CONDENSER FAN CONTACTOR, CIRCUIT 2
2K10	146	CONDENSER FAN CONTACTOR, CIRCUIT 2
2K11	149	CONDENSER FAN CONTACTOR, CIRCUIT 2
2K12	152	CONDENSER FAN CONTACTOR, CIRCUIT 2
2K13	153	CONDENSER FAN CONTACTOR, CIRCUIT 2
2K14	130	CONDENSER FAN CONTACTOR, CIRCUIT 2
2SW1	127	DISCONNECT SWITCH FOR CUSTOMER POWER WIRING, CIRCUIT 2
2T1	135	CONTROL POWER SUPPLY TRANSFORMER
2T2	132	CURRENT TRANSFORMER, COMPRESSOR 2A, LINE A
2T3	135	CURRENT TRANSFORMER, COMPRESSOR 2A, LINE B
2T4	138	CURRENT TRANSFORMER, COMPRESSOR 2A, LINE C
2T5	193	CURRENT TRANSFORMER, COMPRESSOR 2B, LINE A
2T6	196	CURRENT TRANSFORMER, COMPRESSOR 2B, LINE B
2T7	199	CURRENT TRANSFORMER, COMPRESSOR 2B, LINE C
2T10	303	INVERTER DRIVE POWER SUPPLY TRANSFORMER, CIRCUIT 2
2T11	315	INVERTER DRIVE POWER SUPPLY TRANSFORMER, CIRCUIT 2
2TB1	127	TERMINAL BLOCK FOR CUSTOMER POWER WIRING, CIRCUIT 2
2TB5	VARIOUS LOCATIONS	FACTORY CONTROL WIRING TERMINAL STRIP
2TB6	VARIOUS LOCATIONS	FACTORY CONTROL WIRING TERMINAL STRIP
2TB7	225,329-360	FACTORY CONTROL WIRING TERMINAL STRIP
2TS3	189	MAXIMUM TEMPERATURE LIMIT SWITCH 1 (CONTROL PANEL 2)
2TS4	141	VENTILATION FAN OFF/ON TEMPERATURE CONTROL SWITCH (CONTROL PANEL 2)
2TS5	189	MAXIMUM TEMPERATURE LIMIT SWITCH 2 (CONTROL PANEL 2)
2U2	444	POWER SUPPLY MODULE, CHS30
2U14	155	STARTER MODULE, COMPRESSOR 2A
2U15	141	QUAD RELAY OUTPUT, FAN CONTROL, CIRCUIT 2
2U16	449	DUAL TRIAC OUTPUT, MODULATING LOAD / UNLOAD, COMPRESSOR 2A
2U17	445	DUAL TRIAC OUTPUT, STEP LOAD, COMPRESSORS 2A AND 2B
2U19	207	STARTER MODULE, COMPRESSOR 2B
2U21	436	DUAL TRIAC OUTPUT, MODULATING LOAD/UNLOAD, COMPRESSOR 2B
2U22	431	DUAL HV BINARY INPUT, HIGH PRESSURE CUTOUT, COMPRESSORS 2A AND 2B
2U23	426	DUAL HV BINARY INPUT, HIGH TEMPERATURE CUTOUT (CONTROL PANEL 2)
2U26	429	CIRCUIT 2, FAULT VFD
2U27	434	FAN SPEED CIRCUIT 2
2U28	305	CONDENSER FAN INVERTER DRIVE 1
2U29	318	CONDENSER FAN INVERTER DRIVE 2

LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC REFRIGERANT COMPONENTS FOR CIRCUIT 1		
3B1	14	MOTOR, COMPRESSOR 1A, CIRCUIT 1
3B2	76	MOTOR, COMPRESSOR 1B, CIRCUIT 1
3B3-19	243-298	CONDENSER FAN MOTORS, CIRCUIT 1
3HR1	21	COMPRESSOR 1A HEATER CIRCUIT 1
3HR2	22	OIL SEPARATOR HEATER CIRCUIT 1
3HR3	84	COMPRESSOR 1B HEATER CIRCUIT 1
3L1	381	STEP LOAD CONTROL SOLENOID VALVE, COMPRESSOR 1A
3L2	386	PROPORTIONAL LOAD CONTROL SOLENOID VALVE, COMPRESSOR 1A
3L3	388	PROPORTIONAL UNLOAD CONTROL SOLENOID VALVE, COMPRESSOR 1A
3L4	383	STEP LOAD CONTROL SOLENOID VALVE CIRCUIT 1, COMPRESSOR 1B
3L5	376	PROPORTIONAL LOAD CONTROL SOLENOID VALVE, COMPRESSOR 1B
3L6	378	PROPORTIONAL UNLOAD CONTROL SOLENOID VALVE, COMPRESSOR 1B
3L7	98	OIL LINE VALVE COMPRESSOR 1A
3L8	99	OIL LINE VALVE COMPRESSOR 1B
3LL1	515	EVAPORATOR REFRIGERANT LIQUID LEVEL SENSOR, CIRCUIT 1
3PT1	505	SUCTION REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 1, COMPRESSOR 1A
3PT2	523	CONDENSER REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 1, COMPRESSOR 1B
3PT3	517	OIL PRESSURE TRANSDUCER, COMPRESSOR 1A
3PT4	494	OIL PRESSURE TRANSDUCER, COMPRESSOR 1B
3PT5	526	SUCTION REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 1, COMPRESSOR 1B
3PS1	34	HIGH PRESSURE CUTOUT SWITCH, COMPRESSOR 1A
3PS2	87	HIGH PRESSURE CUTOUT SWITCH, COMPRESSOR 1B
3RT1	520	OIL TEMPERATURE SENSOR, CIRCUIT 1, COMPRESSOR 1A
3RT2	500	OIL TEMPERATURE SENSOR, CIRCUIT 1, COMPRESSOR 1B
3V1	502	ELECTRONIC EXPANSION VALVE, CIRCUIT 1
3TB1	545-554,582-589	FACTORY CONTROL WIRING TERMINAL STRIP
3TB2	545,582,587	FACTORY CONTROL WIRING TERMINAL STRIP
3TB3	580,590	FACTORY CONTROL WIRING TERMINAL STRIP

LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC REFRIGERANT COMPONENTS FOR CIRCUIT 2		
4B1	135	MOTOR, COMPRESSOR 2A, CIRCUIT 2
4B2	196	MOTOR, COMPRESSOR 2B, CIRCUIT 2
4B3-19	303-359	CONDENSER FAN MOTORS, CIRCUIT 2
4HR1	141	COMPRESSOR 2A HEATER CIRCUIT 2
4HR2	142	COMPRESSOR 2B HEATER CIRCUIT 2
4HR3	204	COMPRESSOR 2B HEATER CIRCUIT 2
4L1	444	STEP LOAD CONTROL SOLENOID VALVE, COMPRESSOR 2A
4L2	449	PROPORTIONAL LOAD CONTROL SOLENOID VALVE, COMPRESSOR 2A
4L3	451	PROPORTIONAL UNLOAD CONTROL SOLENOID VALVE, COMPRESSOR 2A
4L4	446	STEP LOAD CONTROL SOLENOID VALVE, COMPRESSOR 2B
4L5	437	PROPORTIONAL LOAD CONTROL SOLENOID VALVE, COMPRESSOR 2B
4L6	439	PROPORTIONAL UNLOAD CONTROL SOLENOID VALVE, COMPRESSOR 2B
4L7	217	OIL LINE VALVE COMPRESSOR 2A
4L8	221	OIL LINE VALVE COMPRESSOR 2B
4LL1	505	EVAPORATOR REFRIGERANT LIQUID LEVEL SENSOR, CIRCUIT 2
4PT1	500	SUCTION REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 2, COMPRESSOR 2A
4PT2	511	CONDENSER REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 2
4PT3	507	OIL PRESSURE TRANSDUCER, COMPRESSOR 2A
4PT4	494	OIL PRESSURE TRANSDUCER, COMPRESSOR 2B
4PT5	515	SUCTION REFRIGERANT PRESSURE TRANSDUCER, CIRCUIT 2, COMPRESSOR 2B
4PS1	155	HIGH PRESSURE CUTOUT SWITCH, COMPRESSOR 2A
4PS2	156,207	HIGH PRESSURE CUTOUT SWITCH, COMPRESSOR 2B
4RT1	510	OIL TEMPERATURE SENSOR, CIRCUIT 2, COMPRESSOR 2A
4RT2	503	OIL TEMPERATURE SENSOR, CIRCUIT 2, COMPRESSOR 2B
4V1	496	ELECTRONIC EXPANSION VALVE, CIRCUIT 2
4TB1	560-579,584	FACTORY CONTROL WIRING TERMINAL STRIP
4TB2	560,564,574,577,584	FACTORY CONTROL WIRING TERMINAL STRIP
4TB3	577,590	FACTORY CONTROL WIRING TERMINAL STRIP

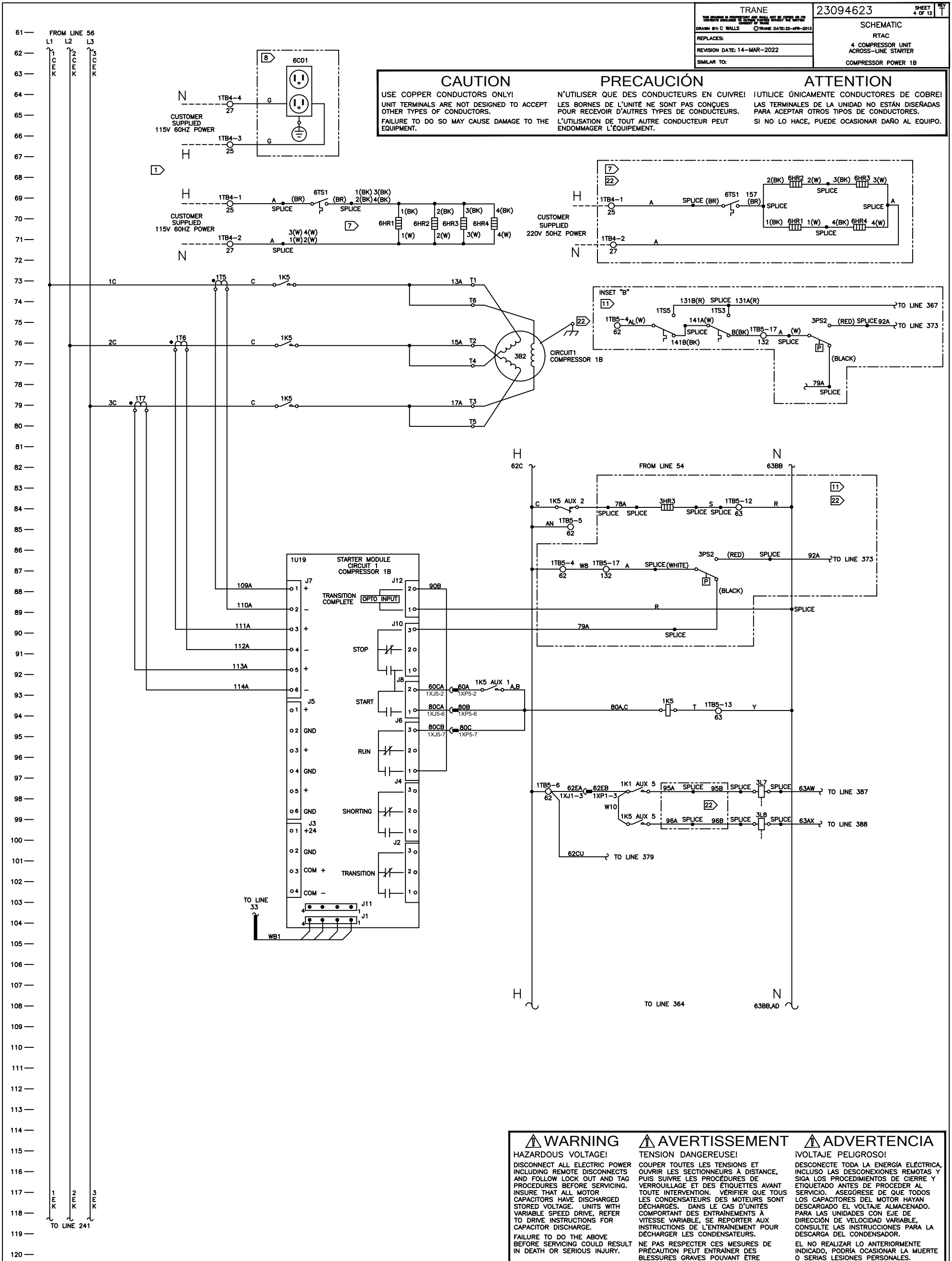
LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC CUSTOMER SUPPLIED COMPONENTS		
5B1	6	CHILLER WATER PUMP MOTOR
5B1	9	CHILLER WATER PUMP STARTER
5K4	398	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS UNIT ALARM SIGNAL
5K5	399	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS UNIT ALARM SIGNAL
5K6	400	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS UNIT RUNNING
5K7	401	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS UNIT RUNNING
5K8	403	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS MAXIMUM UNIT CAPACITY
5K9	404	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS MAXIMUM UNIT CAPACITY
5K10	405	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS LIMITED UNIT OPERATION
5K11	406	UNIT STATUS RELAY, PROGRAMABLE SIGNAL FROM MODULE, DEFAULT IS LIMITED UNIT OPERATION
5K14	*385	EXTERNAL EMERGENCY STOP INPUT RELAY
5K15	*383	EXTERNAL AUTO / STOP INPUT RELAY
5K16	*378	EXTERNAL LOCKOUT INPUT RELAY FOR REFRIGERANT CIRCUIT 1
5K17	*380	EXTERNAL LOCKOUT INPUT RELAY FOR REFRIGERANT CIRCUIT 2
5K18	*367	EXTERNAL INPUT RELAY TO ENABLE ICE MAKING
5K19	392	ICE MAKING STATUS OUTPUT

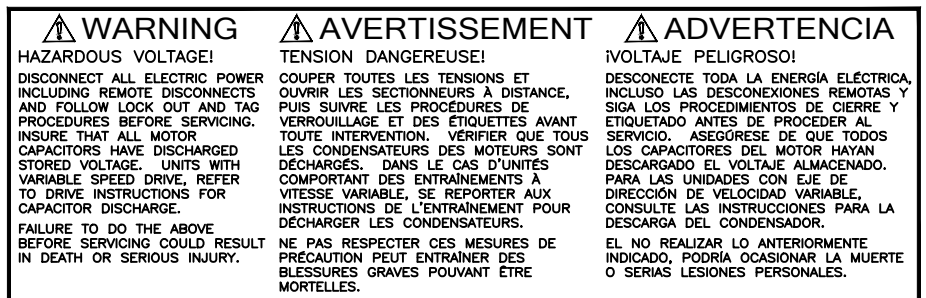
LEGEND		
DEVICE DESIGNATION	LINE NUMBER	DESCRIPTION
RTAC UNIT MOUNTED COMMON COMPONENTS		
6C01	63	CUSTOMER CONVENIENCE OUTLET
6HR1,4	70	EVAPORATOR IMMERSION WATER HEATER
6HR2,3-1,2	68,70	EVAPORATOR HEAT TAP
6RT1	511	EVAPORATOR ENTERING WATER TEMPERATURE SENSOR
6RT2	508	EVAPORATOR LEAVING WATER TEMPERATURE SENSOR
6RT3	496	AMBIENT AIR TEMPERATURE SENSOR
6TS1	69	TEMPERATURE CONTROL, EVAPORATOR WATER HEATER (OPTIONAL)
6U1	411	EASY VIEW OR DYNA VIEW DISPLAY AND INTERFACE
6S1	456	EVAPORATOR FLOW SWITCH
6TB1	556-558	FACTORY CONTROL WIRING TERMINAL STRIP

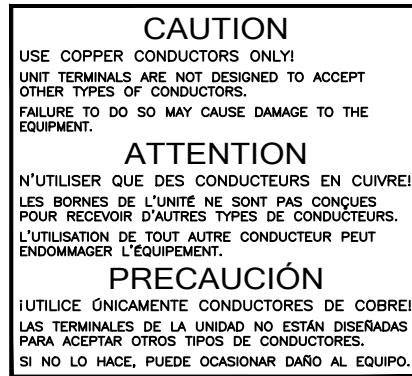
NOTES:
COMPONENTS (LLIDS) ARE NOT NECESSARILY WIRED ON THE IPC BUS IN THE ORDER SHOWN.

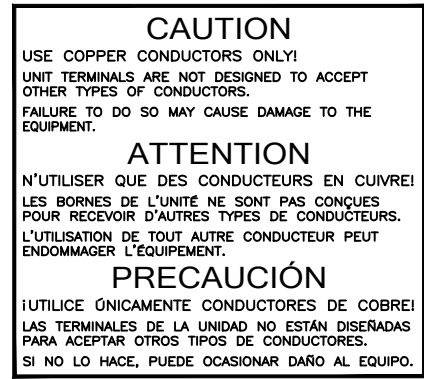
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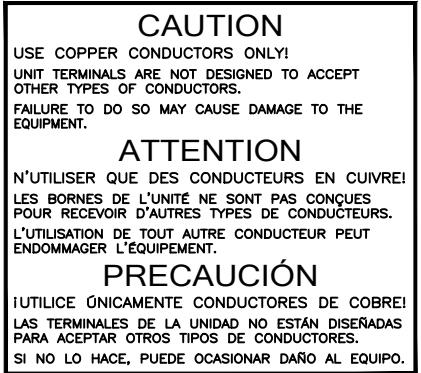
CAUTION USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.	PRECAUCIÓN N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.	ATTENTION ¡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.
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DRAWN BY: C WALLS ©TRANE DATE:22-APR-2013

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REVISION DATE: 14-MAR-2022

SIMILAR TO:

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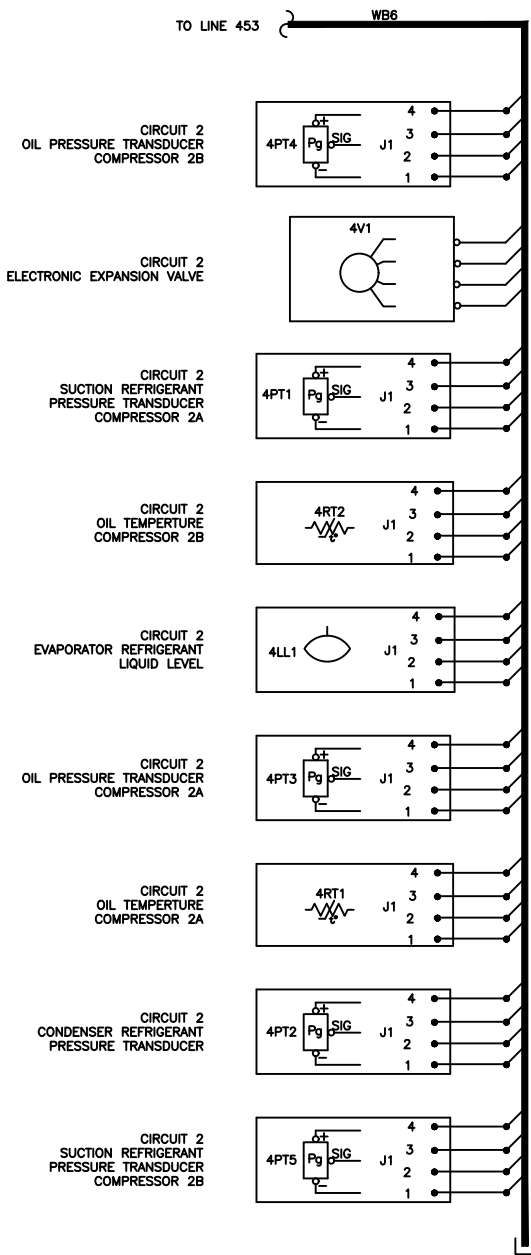
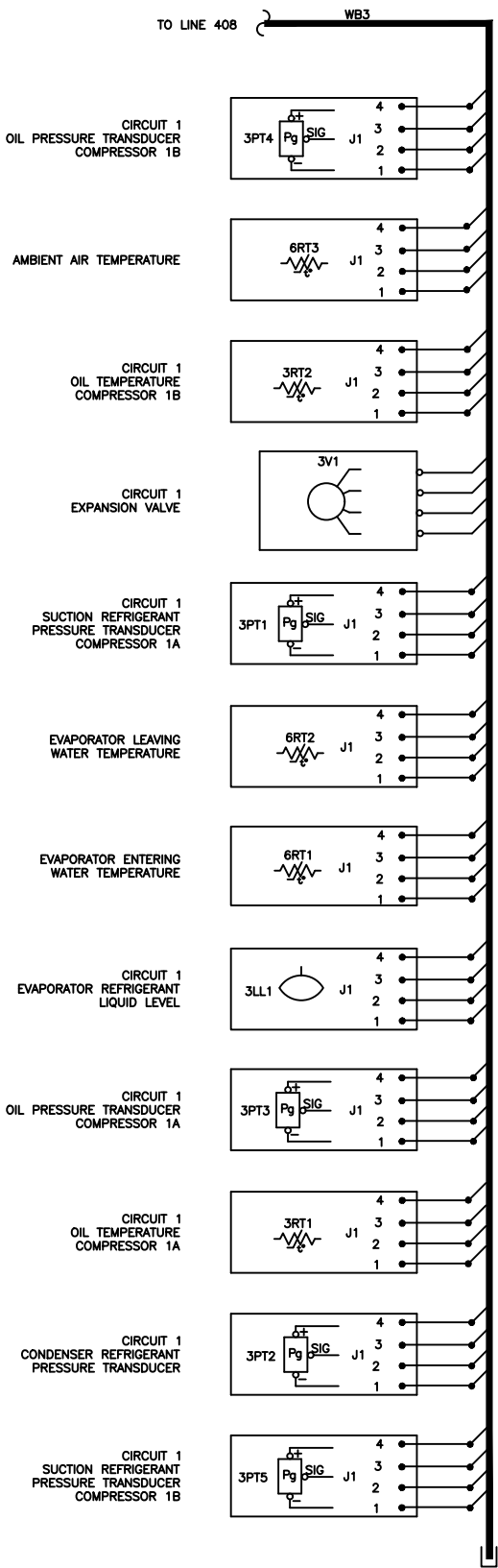
4 COMPRESSOR UNIT

ACROSS-LINE STARTER

COMMON CONTROLS - FRAME LIID'S

DEVICE	PREFIX	LOCATION	CODE
AREA		LOCATION	
1	CONTROL	/STARTER PANEL 1	
3	REFRIGERATION	CIRCUIT 1	
5	CUSTOMER	REMOTELY INSTALLED	
6	UNIT	MOUNTED	

DEVICE	PREFIX	LOCATION	CODE
AREA		LOCATION	
1	CONTROL	/ STARTER PANEL 2	
3	REFRIGERATION	CIRCUIT 2	
5			
6	UNIT	MOUNTED	



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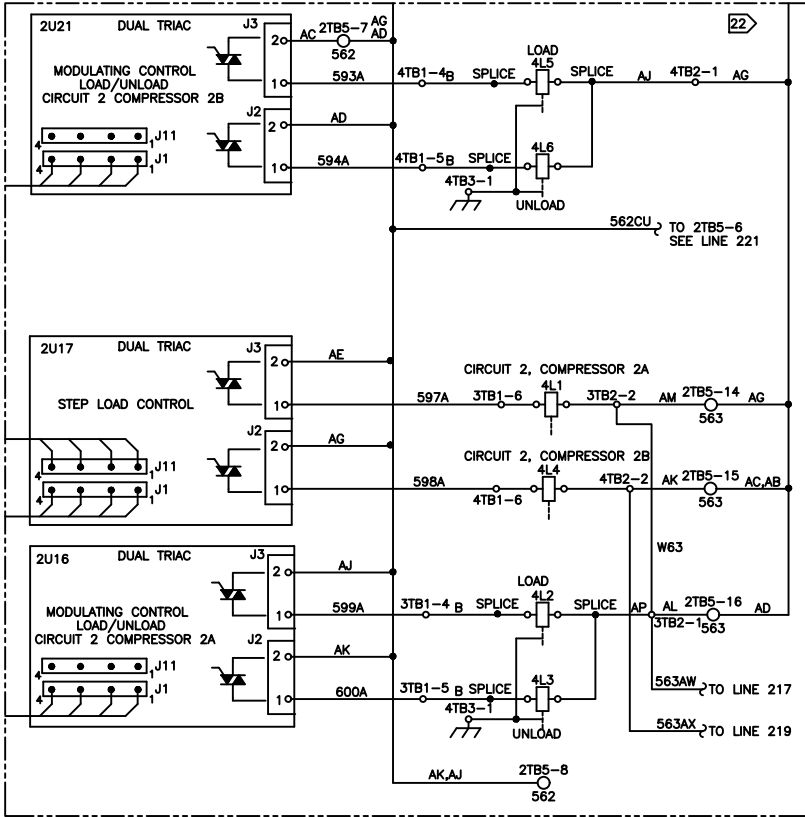
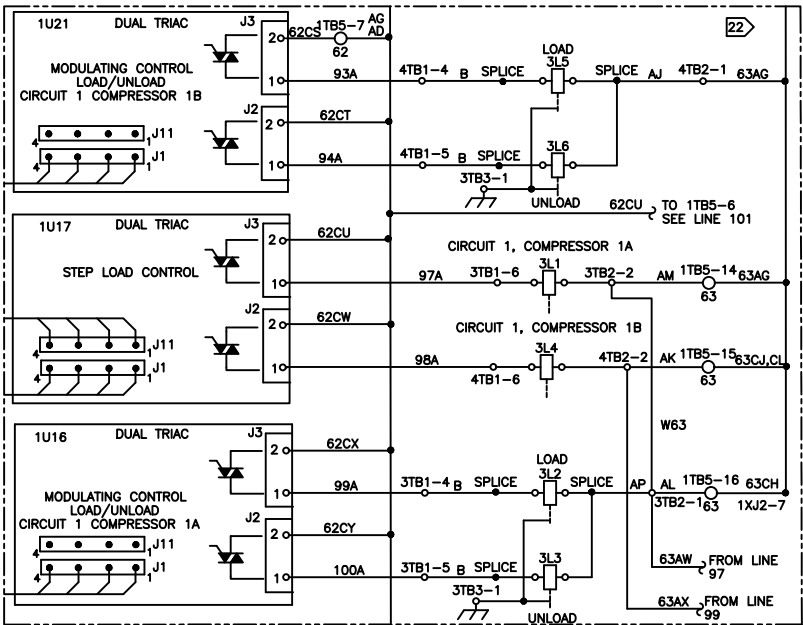
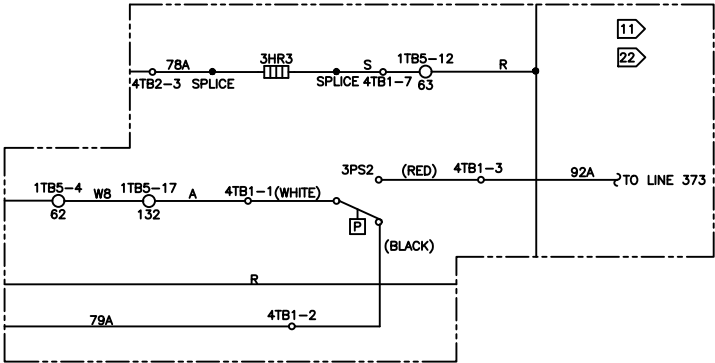
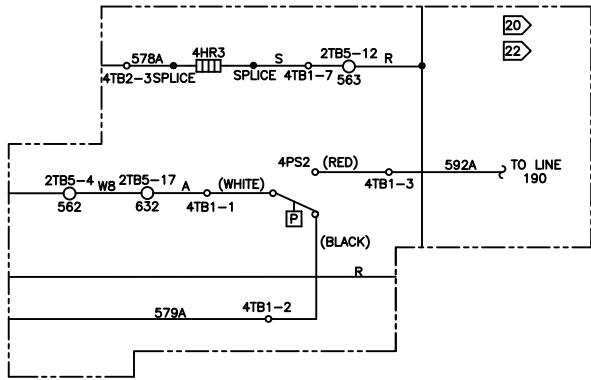
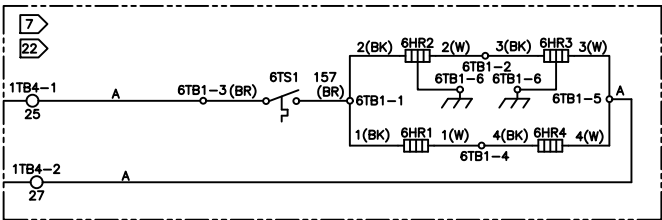
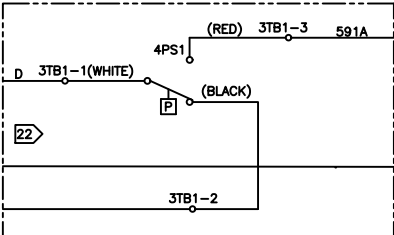
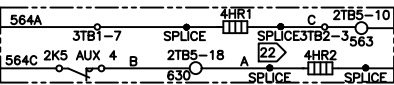
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SHEET 12 OF 12
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RTAC
4 COMPRESSOR UNIT
ACROSS-LINE STARTER
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