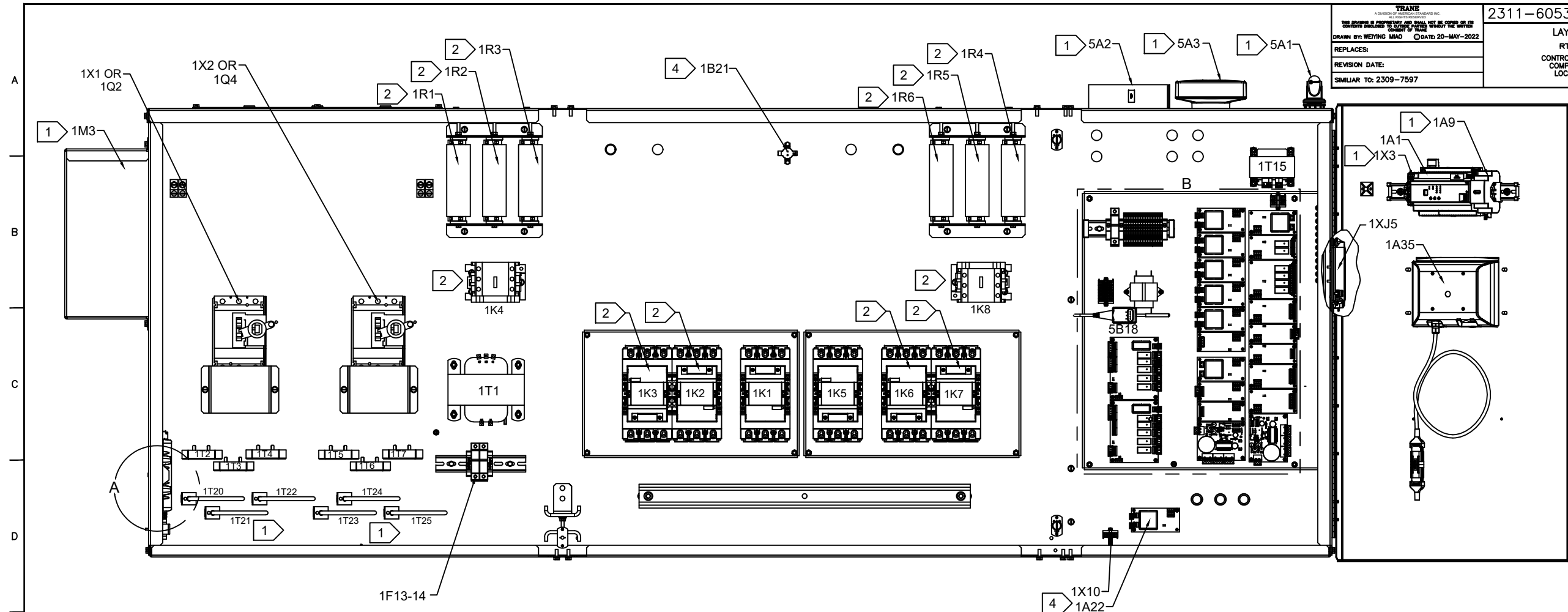


DETAIL A

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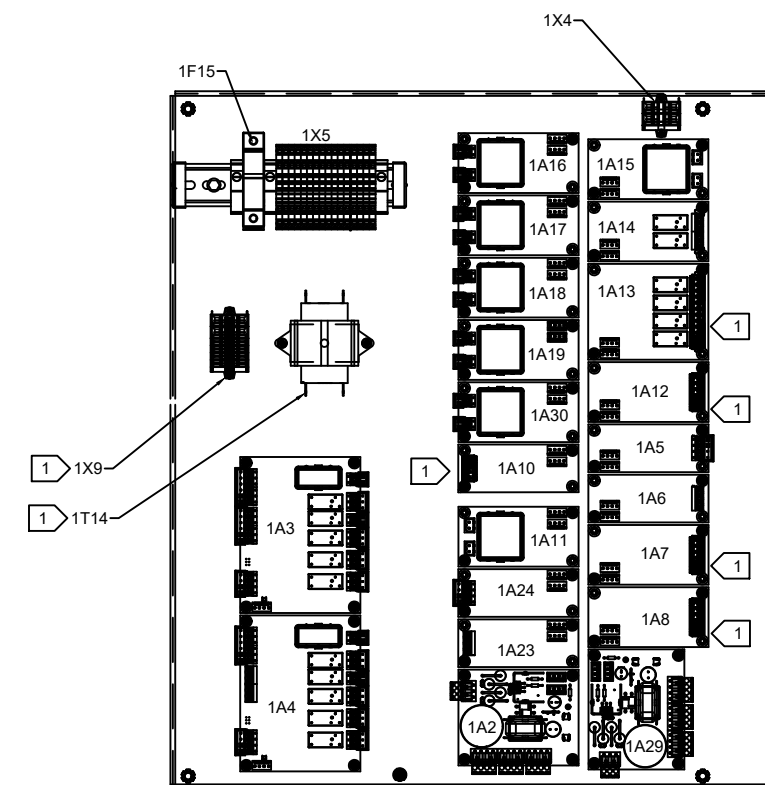
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DETAIL B - EXPANDED VIEW

A

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C

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E

F

G

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TRANE

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DRAWN BY: WEIYING MIAO ©DATE: 20-MAY-2022

REPLACES:

REVISION DATE:

SIMILIAR TO: 2309-7597

2311-6053

SHEET 2 OF 2

REV B

LAYOUT

RTWD

CONTROL PANEL

COMPONENT

LOCATION

LEGEND	
DEVICE DESIGNATION	DESCRIPTION
1A1	SYMBIO800 UNIT CONTROLLER
1A2	POWER SUPPLY MODULE 1
1A3	STARTER MODULE, COMPRESSOR 1A
1A4	STARTER MODULE, COMPRESSOR 2A
1A5	DUAL LOW VOLTAGE INPUT, EXTERNAL AUTO STOP AND EMERGENCY STOP INPUTS
1A6	DUAL LOW VOLTAGE INPUT, EXTERNAL CIRCUIT LOCKOUT, REFRIGERANT CIRCUIT 1 AND 2
1A7	ANALOG INPUT/OUTPUT, EXTERNAL CURRENT LIMIT AND EXTERNAL CHILLED WATER OR HOT WATER SETPOINT INPUTS
1A8	ANALOG INPUT/OUTPUT, CONDENSER CONTROL AND COMPRESSOR % RLA OUTPUT
1A9	LONTALK INTERFACE
1A10	DUAL LOW VOLTAGE INPUT, ICE MACHINE CONTROL AND HEAT MODE CONTROL
1A11	DUAL HIGH VOLTAGE INPUT, MOTOR THERMOSTATS COMPRESSOR 2A AND 1A
1A12	DUAL RELAY OUTPUT, ICE MAKING STATUS
1A13	QUAD RELAY OUTPUTS, UNIT STATUS PROGRAMMABLE RELAYS
1A14	DUAL RELAY OUTPUTS, CONDENSER AND CHILLED WATER PUMP RELAYS
1A15	DUAL HIGH VOLTAGE INPUT, CONDENSER AND CHILLED WATER FLOW AND INTERLOCK
1A16	DUAL TRIAC OUTPUT, MODULATING UNLOAD AND LOAD COMPRESSOR 2A
1A17	DUAL TRIAC OUTPUT, STEP LOAD CONTROL COMPRESSOR 2A AND 1A
1A18	DUAL TRIAC OUTPUT, MODULATING UNLOAD AND LOAD COMPRESSOR 1A
1A19	DUAL HIGH VOLTAGE INPUT, HIGH PRESSURE CUTOUT COMPRESSOR 2A AND 1A
1A22	DUAL HIGH VOLTAGE INPUT, PANEL VENTILATION
1A23	DUAL LOW VOLTAGE INPUT, OIL LOSS LEVEL
1A24	DUAL LOW VOLTAGE INPUT, WATER FLOW SENSOR
1A25	QUAD RELAY OUTPUTS, CIRCUIT 1 FAN CONTROL
1A26	QUAD RELAY OUTPUTS, CIRCUIT 2 FAN CONTROL
1A27	ANALOG INPUT/OUTPUT, FAN SPEED CONTROL
1A28	DUAL LOW VOLTAGE INPUT, FAULT FEEDBACK
1A29	POWER SUPPLY MODULE 2
1A30	DUAL TRIAC OUTPUT, OIL RETURN PURGE CONTROL, CIRCUIT 1 AND CIRCUIR 2
1A35	ADAPTIVIEW TOUCH SCREEN DISPLAY
1B21	THERMOSTAT, PANEL VENTILATION
1M3	MOTOR, VENTILATION FAN
1F13	FUSE, POTENTIAL TRANSFORMER PRIMARY, COMPRESSOR 1A, LINE A, UNDER/OVER VOLTAGE – POWER METER
1F14	FUSE, POTENTIAL TRANSFORMER PRIMARY, COMPRESSOR 1A, LINE B, UNDER/OVER VOLTAGE – POWER METER
1F15	FUSE, CONTROL POWER TRANSFORMER SECONDARY, 115 V
1K1	CONTACTOR, COMPRESSOR 1A START
1K2	CONTACTOR, COMPRESSOR 1A RUN
1K3	CONTACTOR, COMPRESSOR 1A SHORT
1K4	CONTACTOR, COMPRESSOR 1A TRANSITION
1K5	CONTACTOR, COMPRESSOR 2A START
1K6	CONTACTOR, COMPRESSOR 2A RUN
1K7	CONTACTOR, COMPRESSOR 2A SHORT
1K8	CONTACTOR, COMPRESSOR 2A TRANSITION
1P1	ENERGY METER 1
1P2	ENERGY METER 2, DUAL POINT POWER LINE
1Q2	CIRCUIT BREAKER, POWER DISTRIBUTION
1Q4	CIRCUIT BREAKER, POWER DISTRIBUTION
1R1	RESISTOR, TRANSITION, COMPRESSOR 1A, LINE A
1R2	RESISTOR, TRANSITION, COMPRESSOR 1A, LINE B
1R3	RESISTOR, TRANSITION, COMPRESSOR 1A, LINE C
1R4	RESISTOR, TRANSITION, COMPRESSOR 2A, LINE A
1R5	RESISTOR, TRANSITION, COMPRESSOR 2A, LINE B
1R6	RESISTOR, TRANSITION, COMPRESSOR 2A, LINE C
1T1	TRANSFORMER, CONTROL POWER
1T2	TRANSFORMER, CURRENT, COMPRESSOR 1A, LINE A
1T3	TRANSFORMER, CURRENT, COMPRESSOR 1A, LINE B
1T4	TRANSFORMER, CURRENT, COMPRESSOR 1A, LINE C
1T5	TRANSFORMER, CURRENT, COMPRESSOR 2A, LINE A
1T6	TRANSFORMER, CURRENT, COMPRESSOR 2A, LINE B
1T7	TRANSFORMER, CURRENT, COMPRESSOR 2A, LINE C
1T8	TRANSFORMER, POTENTIAL, UNDER/OVER VOLTAGE
1T14	TRANSFORMER, WATER FLOW SENSOR
1T15	TRANSFORMER, 27V CONTROL POWER
1T20	TRANSFORMER, CURRENT, ENERGY METER 1, LINE A
1T21	TRANSFORMER, CURRENT, ENERGY METER 1, LINE B
1T22	TRANSFORMER, CURRENT, ENERGY METER 1, LINE C
1T23	TRANSFORMER, CURRENT, ENERGY METER 2, LINE A
1T24	TRANSFORMER, CURRENT, ENERGY METER 2, LINE B
1T25	TRANSFORMER, CURRENT, ENERGY METER 2, LINE C
1X1	POWER DISTRIBUTION BLOCK
1X2	POWER DISTRIBUTION BLOCK
1X3	TERMINAL STRIP, ENERGY METER WIRING
1X4	TERMINAL STRIP, CUSTOMER CONTROL WIRING
1X5	TERMINAL STRIP, FACTORY CONTROL WIRING
1X9	TERMINAL STRIP, WATER FLOW SENSOR CONTROL WIRING
1X10	TERMINAL STRIP, VENTILATION
1XJ5	EXTERNAL USB SERVICE PORT
5A1	WI-FI INTERFACE
5A2	AIR-FI INTERFACE
5A3	LTE INTERFACE
5B18	TEMPERATURE SENSOR, OUTDOOR AIR TEMPERATURE

- *1
- **2
- ***4

- 1 OPTIONAL COMPONENTS; MAY NOT BE PRESENT ON ALL UNITS.
- 2 WYE DELTA COMPONENTS; MAY NOT BE PRESENT ON ALL UNITS.
3. REFER TO RTWD ELECTRICAL SCHEMATIC FOR SPECIFIC ELECTRICAL CONNECTION INFORMATION AND NOTES PERTAINING TO WIRING INSTALLATION.
- 4 ONLY PRESENT WHEN VENTILATION IS REQUIRED.



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