

DEVICE DESIGNATIONS AND DESCRIPTIONS

DEVICE	DESCRIPTION	ZONE
1B1	THERMOSTAT; HIGH TEMPERATURE SWITCH - CONTROL PANEL	SH 09-515
1CA1	CAPACITOR; POWER FACTOR CORRECTION - COMP. 1B	SH 04-107
1F1	FUSE; PRIMARY CPT - 4A CLASS CC	SH 05-56
1F2	FUSE; COND. FAN BUS - 60A CLASS CC	SH 05-152
1F3	FUSE; COND. FAN BUS - 60A CLASS J	SH 05-190
1F5	FUSE; COND. FANS - 30A CLASS CC	SH 05-152
1F6	FUSE; COND. FANS - 30A CLASS CC	SH 05-167
1F7	FUSE; COND. FANS - 30A CLASS CC	SH 05-190
1F8	FUSE; COND. FANS - 30A CLASS CC	SH 05-205
1F12	FUSE; POWER FACTOR CAPACITOR - CLASS CC 30A	SH 04-107
1F15	FUSE; SECONDARY CPT - 20A CLASS CC	SH 03-55
1F16	FUSE; FREE COOLING VALVE - 3A CLASS CC	SH 15-925
1F17	FUSE; FREE COOLING VALVE - 3A CLASS CC	SH 15-903
1F18	FUSE; SECONDARY CPT - 3A CLASS CC	SH 03-49
1FA1	SURGE PROTECTIVE DEVICE; CIRCUIT 1 MAIN ENCLOSURE	SH 03-71
1K1	CONTACTOR; WYE DELTA START - COMP. 1B	SH 10-552
1K2	CONTACTOR; WYE DELTA RUN - COMP. 1B	SH 10-557
1K3	CONTACTOR; WYE DELTA SHORTING - COMP. 1B	SH 10-561
1K4	CONTACTOR; WYE DELTA TRANSITION - COMP. 1B	SH 10-565
1K10	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M12	SH 14-849
1K11	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M14	SH 14-845
1K13	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M11/16	SH 14-841
1K14	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M13/18	SH 14-837
1K20	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M15/20	SH 14-877
1K21	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M17/22	SH 14-873
1K23	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M21(12V) OR 5M19/24(14V)	SH 14-869
1K24	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 5M19(12V) OR 5M21/23(14V)	SH 14-865
1K40	RELAY; DRIVE RUNNING - COMP. 1A	SH 08-378
1KF1	I/O; VVI SOLENOIDS - COMP. 1A	SH 09-462
1KF2	I/O; LOAD / UNLOAD - COMP. 1B	SH 11-632
1KF3	I/O; THERMOSIPHON - COMP. 1A	SH 09-476
1KF5	I/O; WINDING TEMP. - COMP. 1A	SH 09-495
1KF7	I/O; YD, PT, CT - COMP. 1B	SH 04-138
1KF8	I/O; COND. FAN ENABLE - CKT 1	SH 14-850
1KF9	I/O; COND. FAN ENABLE - CKT 1	SH 14-878
1KF11	I/O; OIL LEVEL SWITCH - CKT 1	SH 12-732
1KF12	I/O; FLOW SWITCH - CIRCUIT 1	SH 12-721
1KF13	I/O; COND. FAN FAULT - CKT 1	SH 13-786
1KF16	I/O; RECEIVER SOLENOID - CKT 1	SH 09-509
1KF17	I/O; STEP / OIL VALVE - COMP. 1B	SH 12-651
1KF19	I/O; COND. FAN ENABLE - CKT 1	SH 13-764
1KF22	I/O; HI PRES. CUTOUT - COMP. 1B	SH 11-650
1KF24	I/O; COND. FAN SPEED - CKT 1	SH 13-775
1KF26	I/O; F.C. VALVE ACT. POS.	SH 15-919
1KF30	I/O; AUTO. AND E. STOP	SH 31-2120
1KF31	I/O; CKT 1 OR 2 LOCKOUT	SH 31-2133
1KF32	I/O; PROGRAMMABLE RELAYS	SH 31-2154
1KF33	I/O; DEMAND, CAPACITY, SETPOINT	SH 31-2133
1KF34	I/O; ICE AND NOISE REQUEST	SH 31-2120
1KF35	I/O; EVAP. PUMPS ENABLE	SH 31-2166
1KF36	I/O; EVAP. FLOW RATE	SH 31-2149
1KF40	CONTROLLER; SYMBOL 800	SH 30-2051
1KF41	CONTROLLER; LONTALK INTERFACE	SH 30-2067
1KF42	CONTROLLER; POWER METER - CKT 1	SH 03-40
1KF43	CONTROLLER; LTE INTERFACE - WIRELESS	SH 30-2073
1KF44	CONTROLLER; WI-FI ANTENNA - WIRELESS	SH 30-2078
1KF45	CONTROLLER; AIR-FI INTERFACE - WIRELESS	SH 30-2045
1M1	MOTOR; CONTROL PANEL VENTILATION FAN	SH 09-515
1P1	HMI; VFD - COMP. 1A	SH 08-394
1P3	HMI; ADAPTIVIEW DISPLAY	SH 30-2066
1Q1	CIRCUIT BREAKER; MAIN DISCONNECT - CKT 1	SH 03-39
1Q2	CIRCUIT BREAKER; HARMONIC FILTER - COMP. 1A	SH 04-77
1Q4	CIRCUIT BREAKER; SHORE POWER	SH 03-58
1R1	RESISTOR; WIREWOUND TRANSITION L1 - COMP. 1B	SH 04-113
1R2	RESISTOR; WIREWOUND TRANSITION L2 - COMP. 1B	SH 04-118
1R3	RESISTOR; WIREWOUND TRANSITION L3 - COMP. 1B	SH 04-123
1RF1	CHOKE; COMP. 1A	SH 04-78
1T1	TRANSFORMER; CONTROL POWER - 2kVA 460V-115V	SH 03-62
1T2	TRANSFORMER; CONTROL POWER - 180VA 115V-27V	SH 12-681
1T3	TRANSFORMER; CONTROL POWER - 180VA 115V-27V	SH 12-679
1T5	TRANSFORMER; CURRENT L1 - COMP. 1B	SH 04-110
1T6	TRANSFORMER; CURRENT L2 - COMP. 1B	SH 04-115
1T7	TRANSFORMER; CURRENT L3 - COMP. 1B	SH 04-120
1T8	TRANSFORMER; VOLTAGE STEP DOWN L1/L2 - COMP. 1B	SH 04-136
1T9	TRANSFORMER; VOLTAGE STEP DOWN L2/L3 - COMP. 1B	SH 04-139
1T10	TRANSFORMER; VOLTAGE STEP DOWN L1/L3 - COMP. 1B	SH 04-142
1T11	TRANSFORMER; CURRENT - POWER METER PHASE 1	SH 03-34
1T12	TRANSFORMER; CURRENT - POWER METER PHASE 2	SH 03-32
1T13	TRANSFORMER; CURRENT - POWER METER PHASE 3	SH 03-30
1TA1	POWER SUPPLY; 24VDC	SH 12-692
1TA2	POWER SUPPLY; 24VDC	SH 12-692
1TB1	VARIABLE FREQUENCY DRIVE; COMP. 1A	SH 04-78
1X1	TERMINAL; MAIN POWER BLOCK - CIRCUIT 1	SH 03-40
1X2-1	TERMINAL; 120VAC - TERMINALS 1 THROUGH 10	SH 03-56
1X2-11	TERMINAL; 0VAC - TERMINALS 11 THROUGH 20	SH 03-57
1X3-1	TERMINAL; 120VAC - TERMINALS 1 AND 2	SH 12-678
1X3-3	TERMINAL; 0VAC - TERMINALS 3 AND 4	SH 12-679
1X3-5	TERMINAL; OPTIONS ENCLOSURE FAN ENABLE - CKT 1	SH 08-410
1X3-6	TERMINAL; COMPRESSOR 1A HEATER ENABLE	SH 09-481
1X4-1	TERMINAL; 27VAC - TERMINAL 1 ONLY	SH 12-688
1X4-2	TERMINAL; 0VAC - TERMINAL 2 ONLY	SH 12-687
1X4-3	TERMINAL; 24VDC - TERMINALS 3 THROUGH 10	SH 12-713
1X4-11	TERMINAL; 0VDC - TERMINALS 11 THROUGH 15	SH 12-714
1X4-16	TERMINAL; GND - TERMINAL 16 THROUGH 18	SH 12-689
1X5-1	TERMINAL; 24VDC - VFD CKT 1 AUX POWER	SH 12-693
1X5-2	TERMINAL; 0VDC - VFD CKT 1 AUX POWER	SH 12-694
1X5-3	TERMINAL; 0-10VDC - CKT 1 COND. FAN SPEED REF.	SH 13-760
1X5-4	TERMINAL; 0VDC - CKT 1 COND. FAN 0V REF.	SH 13-761
1X5-5	TERMINAL; 24VDC - CKT 1 COND. FAN FAULT	SH 13-763
1X6-1	TERMINAL; 27VAC - FREE COOLING ACTUATORS	SH 12-683
1X6-2	TERMINAL; 0VAC - FREE COOLING ACTUATORS	SH 12-684
1X7-1	TERMINAL; MODBUS +	SH 30-2033
1X7-2	TERMINAL; MODBUS -	SH 30-2034
1X7-3	TERMINAL; MODBUS G	SH 30-2035
1X7-4	TERMINAL; MODBUS +	SH 30-2027
1X7-5	TERMINAL; MODBUS +	SH 30-2028
1X7-6	TERMINAL; MODBUS +	SH 30-2029
1X9	TERMINAL; 0VAC - CKT 1 CPT	SH 03-57
1X10	TERMINAL; GND - SURGE PROTECTIVE DEVICE CKT 1	SH 03-75
1XJ2	RECEPTACLE; CUSTOMER CONVENIENCE OUTLET	SH 31-2103
1XJ5	RECEPTACLE; SHORE POWER	SH 03-69
1XP5	PLUG; SERVICE POWER	SH 03-69
2B1	THERMOSTAT; HIGH TEMPERATURE SWITCH - CONTROL PANEL	SH 23-1565
2CA1	CAPACITOR; POWER FACTOR CORRECTION - COMP. 2B	SH 17-1082
2F1	FUSE; PRIMARY CPT - 4A CLASS CC	SH 16-1031
2F2	FUSE; COND. FAN BUS - 60A CLASS J	SH 18-1127
2F3	FUSE; COND. FAN BUS - 60A CLASS J	SH 19-1240
2F5	FUSE; COND. FANS - 30A CLASS CC	SH 18-1127
2F6	FUSE; COND. FANS - 30A CLASS CC	SH 18-1144
2F7	FUSE; COND. FANS - 30A CLASS CC	SH 19-1240
2F8	FUSE; COND. FANS - 30A CLASS CC	SH 19-1257
2F12	FUSE; POWER FACTOR CAPACITOR - CLASS CC 30A	SH 17-1082
2F15	FUSE; SECONDARY CPT - 20A CLASS CC	SH 16-1030
2F18	FUSE; SECONDARY CPT - 3A CLASS CC	SH 16-1024
2FA1	SURGE PROTECTIVE DEVICE; CIRCUIT 2 MAIN ENCLOSURE	SH 16-1024
2K1	CONTACTOR; WYE DELTA START - COMP. 2B	SH 24-1615
2K2	CONTACTOR; WYE DELTA SHORTING - COMP. 2B	SH 24-1620
2K3	CONTACTOR; WYE DELTA SHORTING - COMP. 2B	SH 24-1624
2K4	CONTACTOR; WYE DELTA TRANSITION - COMP. 2B	SH 24-1628
2K10	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M12	SH 28-1899
2K11	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M14 OR 6M11/14	SH 28-1895
2K13	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M16 OR 6M11/16	SH 28-1891
2K14	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M13/15 OR 6M13/18	SH 28-1887
2K20	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M15 OR 6M20	SH 28-1928
2K21	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M17 OR 6M15	SH 28-1924
2K23	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M17	SH 28-1920
2K24	CONTACTOR; FIXED SPEED COND. FAN - MOTOR 6M19	SH 28-1916
2K40	RELAY; DRIVE RUNNING - COMP. 2A	SH 22-1428
2KF1	I/O; VVI SOLENOIDS - COMP. 2A	SH 23-1512
2KF2	I/O; LOAD / UNLOAD - COMP. 1B	SH 25-1683
2KF3	I/O; THERMOSIPHON - COMP. 2A	SH 23-1526
2KF5	I/O; WINDING TEMP. - COMP. 2A	SH 23-1545
2KF7	I/O; YD, PT, CT - COMP. 2B	SH 17-1113
2KF8	I/O; COND. FAN ENABLE - CKT 2	SH 28-1900
2KF9	I/O; COND. FAN ENABLE - CKT 2	SH 28-1929
2KF11	I/O; OIL LEVEL SWITCH - CKT 1	SH 26-1782
2KF13	I/O; COND. FAN FAULT - CKT 2	SH 27-1836
2KF16	I/O; RECEIVER SOLENOID - CKT 2	SH 20-1559
2KF17	I/O; STEP / OIL VALVE - COMP. 2B	SH 25-1660
2KF19	I/O; COND. FAN ENABLE - CKT 2	SH 27-1814
2KF22	I/O; HI PRES. CUTOUT - COMP. 2B	SH 25-1701
2KF24	I/O; COND. FAN SPEED - CKT 2	SH 27-1825
2KF42	CONTROLLER; POWER METER - CIRCUIT 2	SH 16-1015
2M1	MOTOR; CONTROL PANEL VENTILATION FAN	SH 23-1565
2P1	HMI; VFD - COMP. 2A	SH 22-1444
2Q1	CIRCUIT BREAKER; MAIN DISCONNECT - CKT 2	SH 16-1014
2Q2	CIRCUIT BREAKER; HARMONIC FILTER - COMPRESSOR 2A	SH 17-1052
2Q4	CIRCUIT BREAKER; SHORE POWER	SH 16-1033
2R1	RESISTOR; WIREWOUND TRANSITION L1 - COMP. 2B	SH 17-1088
2R2	RESISTOR; WIREWOUND TRANSITION L2 - COMP. 2B	SH 17-1093
2R3	RESISTOR; WIREWOUND TRANSITION L3 - COMP. 2B	SH 17-1098
2RF1	CHOKE; COMP. 2A	SH 17-1053
2T1	TRANSFORMER; CONTROL POWER - 2kVA 460V-115V	SH 16-1037
2T2	TRANSFORMER; CONTROL POWER - 180VA 115V-27V	SH 26-1731
2T6	TRANSFORMER; CURRENT L1 - COMP. 2B	SH 17-1085
2T7	TRANSFORMER; CURRENT L2 - COMP. 2B	SH 17-1090
2T8	TRANSFORMER; CURRENT L3 - COMP. 2B	SH 17-1095
2T8	TRANSFORMER; VOLTAGE STEP DOWN L1/L2 - COMP. 2B	SH 17-1111
2T9	TRANSFORMER; VOLTAGE STEP DOWN L2/L3 - COMP. 2B	SH 17-1114
2T10	TRANSFORMER; VOLTAGE STEP DOWN L1/L3 - COMP. 2B	SH 17-1117
2T11	TRANSFORMER; CURRENT - POWER METER PHASE 1	SH 16-1009
2T12	TRANSFORMER; CURRENT - POWER METER PHASE 2	SH 16-1007
2T13	TRANSFORMER; CURRENT - POWER METER PHASE 3	SH 16-1005
2TA1	POWER SUPPLY; 24VDC	SH 26-1742
2TA2	POWER SUPPLY; 24VDC	
2TB1	VARIABLE FREQUENCY DRIVE; COMP. 2A	
2X1	TERMINAL; MAIN POWER BLOCK - CIRCUIT 2	
2X2-1	TERMINAL; 120VAC - TERMINALS 1 THROUGH 10	
2X2-11	TERMINAL; 0VAC - TERMINALS 11 THROUGH 20	
2X3-1	TERMINAL; 120VAC - TERMINALS 1 AND 2	
2X3-3	TERMINAL; 0VAC - TERMINALS 3 AND 4	
2X3-5	TERMINAL; OPTIONS ENCLOSURE FAN ENABLE - CKT 2	
2X3-6	TERMINAL; COMPRESSOR 2A HEATER ENABLE	
2X4-1	TERMINAL; 27VAC - TERMINAL 1 ONLY	
2X4-2	TERMINAL; 0VAC - TERMINAL 2 ONLY	
2X4-3	TERMINAL; 24VDC - TERMINALS 3 THROUGH 10	
2X4-11	TERMINAL; 0VDC - TERMINALS 11 THROUGH 15	
2X4-16	TERMINAL; GND - TERMINAL 16 THROUGH 18	
2X5-1	TERMINAL; 24VDC - VFD CKT 2 AUX POWER	
2X5-2	TERMINAL; 0VDC - VFD CKT 1 AUX POWER	
2X5-3	TERMINAL; 0-10VDC - CKT 2 COND. FAN SPEED REF.	
2X5-4	TERMINAL; 0VDC - CKT 2 COND. FAN 0V REF.	
2X5-5	TERMINAL; 24VDC - CKT 2 COND. FAN FAULT	
2X9	TERMINAL; 0VAC - CKT 2 CPT	
2X10	TERMINAL; GND - SURGE PROTECTIVE DEVICE CKT 2	
2XJ5	RECEPTACLE; SHORE POWER	
2XP5	PLUG; SERVICE POWER	
3B1	THERMOSTAT; HARMONIC FILTER - CKT 1	
3B2	THERMOSTAT; HARMONIC FILTER - CKT 1	
3B3	THERMOSTAT; OPTIONS ENCLOSURE - CKT 1	
3CA1	CAPACITOR; HARMONIC FILTER - CKT 1	
3CA2	CAPACITOR; HARMONIC FILTER - CKT 1	
3F1	FUSING; VOLTAGE AUTOTRANSFORMER - CKT 1	
3K1	CONTACTOR; HARMONIC FILTER CAPACITORS - CKT 1	
3M1	MOTOR; HARMONIC FILTER VENTILATION FAN - CKT 1	
3RF1	INDUCTOR; HARMONIC FILTER - CKT 1	
3T1	TRANSFORMER; VOLTAGE AUTOMATIC - 380V/400V/575V TO 460V	
4B1	THERMOSTAT; HARMONIC FILTER - CKT 2	
4B2	THERMOSTAT; HARMONIC FILTER - CKT 2	
4B3	THERMOSTAT; OPTIONS ENCLOSURE - CKT 2	
4CA1	CAPACITOR; HARMONIC FILTER - CKT 2	
4CA2	CAPACITOR; HARMONIC FILTER - CKT 2	
4F1	FUSING; VOLTAGE AUTOTRANSFORMER - CKT 2	
4K1	CONTACTOR; HARMONIC FILTER CAPACITORS - CKT 2	
4M1	MOTOR; HARMONIC FILTER VENTILATION FAN - CKT 2	
4RF1	INDUCTOR; HARMONIC FILTER - CKT 2	
4T1	TRANSFORMER; VOLTAGE AUTOMATIC - 380V/400V/575V TO 460V	
5B1	SWITCH; HIGH PRESSURE - COMP. 1A	
5B2	SWITCH; HIGH PRESSURE - COMP. 1B	
5B3	THERMOSTAT; OIL SEPARATOR DISCHARGE OVER-TEMP. - CKT 1 SWITCH 1	
5B4	THERMOSTAT; OIL SEPARATOR DISCHARGE OVER-TEMP. - CKT 1 SWITCH 2	
5B1L	SENSOR; OIL SEPARATOR OPTICAL EYE - CKT 1	
5BP1	SENSOR; LIQUID LINE - CKT 1	
5BP2	SENSOR; DISCHARGE - CKT1	
5BP3	SENSOR; SUCTION - COMPRESSOR 1A	
5BP4	SENSOR; OIL SUPPLY - COMPRESSOR 1A	
5BP5	SENSOR; SUCTION - COMPRESSOR 1B	
5BP6	SENSOR; OIL SUPPLY - COMPRESSOR 1B	
5BT1	SENSOR; MOTOR WINDING TEMP 1 - COMP. 1A	
5BT2	SENSOR; MOTOR WINDING TEMP 2 - COMP. 1A	
5BT3	SENSOR; LIQUID LINE - CKT 1	
5BT4	SENSOR; EVAPORATOR POOL - CKT 1	
5BT5	SENSOR; OIL SUPPLY - CKT 1	
5BT6	SENSOR; DISCHARGE - COMPRESSOR 1A	
5BT7	SENSOR; DISCHARGE - COMPRESSOR 1B	
5E1	HEATER; IMMERSION HEATER - COMP. 1A	
5E2	HEATER; DISCHARGE AND BEARING - COMP. 1A	
5E3	HEATER; OIL SEPARATOR - CKT 1	
5E4	HEATER; IMMERSION - COMP. 1B	
5E5	HEATER; OIL SEPARATOR DISCHARGE - CKT 1	
5L1	SOLENOID; LEFT VARIABLE VI - COMP. 1A	
5L2	SOLENOID; RIGHT VARIABLE VI - COMP. 1A	
5L3	SOLENOID; OIL RETURN VALVE - COMP. 1B	
5L4	SOLENOID; STEP LOAD VALVE - COMP. 1B	
5L5	SOLENOID; LIQUID LINE RECEIVER VALVE - CKT 1	
5L6	SOLENOID; LOAD VALVE - COMP. 1B	
5L7	SOLENOID; UNLOAD VALVE - COMP. 1B	
5L8	SOLENOID; HOT GAS OIL RETURN VALVE - COMP. 1A	
5L9	SOLENOID; EVAPORATOR OIL RETURN PURGE VALVE - COMP. 1A	
5M1	MOTOR; COMP. 1A - CKT 1 GP2.5	
5M2	MOTOR; COMP. 1B - CKT 1 GP2.5	
5M11	MOTOR; COND. FAN - CKT 1 BANK A	
5M12	MOTOR; COND. FAN - CKT 1 BANK B	
5M13	MOTOR; COND. FAN - CKT 1 BANK A	
5M14	MOTOR; COND. FAN - CKT 1 BANK B	
5M15	MOTOR; COND. FAN - CKT 1 BANK A	
5M16	MOTOR; COND. FAN - CKT 1 BANK B	
5M17	MOTOR; COND. FAN - CKT 1 BANK A	
5M18	MOTOR; COND. FAN - CKT 1 BANK B	
5M19	MOTOR; COND. FAN - CKT 1 BANK A	
5M20	MOTOR; COND. FAN - CKT 1 BANK B	
5M21	MOTOR; COND. FAN - CKT 1 BANK A	
5M22	MOTOR; COND. FAN - CKT 1 BANK B	
5M23	MOTOR; COND. FAN - CKT 1 BANK A	
5M24	MOTOR; COND. FAN - CKT 1 BANK B	
5QM1	MOTOR; EXPANSION VALVE 1 - CKT 1	
5QM2	MOTOR; EXPANSION VALVE 2 - CKT 1	
5QM3	MOTOR; OIL RETURN VALVE - COMPRESSOR 1A	
6B1	SWITCH; HIGH PRESSURE - COMP. 2A	
6B2	SWITCH; HIGH PRESSURE - COMP. 2B	
6B3	THERMOSTAT; OIL SEPARATOR DISCHARGE OVER-TEMP. - CKT 2 SWITCH 1	
6B4	THERMOSTAT; OIL SEPARATOR DISCHARGE OVER-TEMP. - CKT 2 SWITCH 2	
6B1L	SENSOR; OIL SEPARATOR OPTICAL EYE - CKT 2	
6BP1	SENSOR; LIQUID LINE - CKT 2	
6BP2	SENSOR; DISCHARGE - CKT 2	
6BP3	SENSOR; SUCTION - COMPRESSOR 2A	
6BP4	SENSOR; OIL SUPPLY - COMPRESSOR 2A	
6BP5	SENSOR; SUCTION - COMPRESSOR 2B	
6BP6	SENSOR; OIL SUPPLY - COMPRESSOR 2B	
6BT1	SENSOR; MOTOR WINDING TEMP 1 - COMP. 2A	
6BT2	SENSOR; MOTOR WINDING TEMP 2 - COMP. 2A	
6BT3	SENSOR; LIQUID LINE - CKT 2	
6BT4	SENSOR; EVAPORATOR POOL - CKT 2	
6BT5	SENSOR; OIL SUPPLY - CKT 2	
6BT6	SENSOR; DISCHARGE - COMPRESSOR 2A	
6BT7	SENSOR; DISCHARGE - COMPRESSOR 2B	
6E1	HEATER; IMMERSION HEATER - COMP. 2A	
6E2	HEATER; DISCHARGE AND BEARING - COMP. 2A	
6E3	HEATER; OIL SEPARATOR - CKT 2	
6E4	HEATER; IMMERSION - COMP. 2B	
6E5	HEATER; OIL SEPARATOR DISCHARGE - CKT 2	
6L1	SOLENOID; LEFT VARIABLE VI - COMP. 2A	
6L2	SOLENOID; RIGHT VARIABLE VI - COMP. 2A	
6L3	SOLENOID; OIL RETURN VALVE - COMP. 2B	
6L4	SOLENOID; STEP LOAD VALVE - COMP. 2B	
6L5	SOLENOID; LIQUID LINE RECEIVER VALVE - CKT 2	

DEVICE LOCATIONS, NOTES, AND WARNING

CAUTION:

- DO NOT ENERGIZE UNIT UNTIL INSTALLATION COMPLETION CHECK SHEET AND START UP PROCEDURES HAVE BEEN COMPLETED.
- THE EVAPORATOR HEATER POWER CIRCUIT CONNECTION, TERMINAL STRIP 1X8 ON SHEET 31, 115VAC/1~/15A, IS MANDATORY FOR NON-GLYCOL MEDIUMS. SEE INSTALLATION, OPERATION, AND MAINTENANCE (IOM) DOCUMENT FOR FREEZE AVOIDANCE FOR DETAILS.

GENERAL NOTES:

- ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE, AND LOCAL CODES.
- CUSTOMER CONTROL WIRING TO BE RELIABLY ROUTED AND NOT INSTALLED IN CONDUIT WITH 115VAC OR 3~ CIRCUITS.
- ALL STANDARD AND OPTIONAL COMPONENTS SHOWN. DASHED LINE ENCLOSED INSETS INDICATE OPTIONAL FACTORY INSTALLED OR CUSTOMER PROVIDED AND INSTALLED COMPONENTS.

- UNLESS OTHERWISE NOTED ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL POWER REMOVED AND AFTER NORMAL SHUTDOWN HAD OCCURRED.

FLAG NOTES:

- 1

CLASS 1 FIELD WIRING INSULATION RATING IS REQUIRED TO BE EQUAL TO OR GREATER THAN THE EQUIPMENT SUPPLY VOLTAGE RATING AND 90°C TEMPERATURE INSULATION RATING. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION DEVICE. PROVIDE EQUIPMENT GROUND CONDUCTOR(S). DEPENDING ON CONFIGURATION, EQUIPMENT MAY HAVE SINGLE OR DUAL POINT POWER CONNECTIONS. REFER TO EQUIPMENT SUBMITTAL FOR ACCEPTABLE WIRE RANGE AT CONNECTION POINT(S).
- 2

*T11, *T12, AND *T13 ARE WIRED TO *KF42 AND ARE LOOSE FOR FIELD INSTALLATION. INSTALLING CONTRACTOR TO LOOP EACH CURRENT TRANSFORMER AROUND INCOMING WIRING IN ACCORDANCE WITH ENERGY METER INSTALLATION INSTRUCTIONS. BE MINDFUL OF PHASING AND THE DIRECTION THE ARROWS ARE POINTING ON THE CURRENT TRANSFORMERS.
- 3

REMOVE GROUND WIRES 1004B/2004B FROM SUB PANEL COMPLETELY WHEN CONNECTING TO A CORNER GROUNDED SUPPLY. (NOT A TYPICAL CONFIGURATION)
- 4

GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.
- 5

WHEN FIXED SPEED CONDENSER FANS ARE INSTALLED, CONTACTORS CONTROL DIFFERENT LOADS DEPENDING ON TONNAGE. SEE CONDENSER FAN OVERVIEWS ON SHEETS 2, 6, 7, 14, 20, 21, AND 28.
- 6

SHIELDED, TWISTED PAIR LEADS ARE REQUIRED FOR CONNECTIONS TO THE COMMUNICATIONS INTERFACE MODULES. THE SHIELD SHOULD ONLY BE GROUNDED AT THE UNIT CONTROL PANEL END. REFER TO INTEGRATION, SYMBIO 800, AND BUILDING AUTOMATION SYSTEM (BAS) COMMUNICATION INSTALLATION LITERATURE FOR MORE DETAILS.
- 7

CLASS 2 FIELD WIRING INSULATION IS REQUIRED TO BE RATED AT 300V MINIMUM. UNLESS OTHERWISE NOTED, ALL CUSTOMER CONTROLS WIRING CONNECTIONS ARE MADE TO CIRCUIT BOARD MOUNTED BOX LUGS WITH A WIRE RANGE OF 14 TO 18 AWG.
- 8

RELAY CONTACT RATINGS AT 115VAC: 7.2A RESISTIVE, 2.88A PILOT DUTY, OR 1/3 HP, 7.2 FLA. CONTACTS ARE RATED FOR 240VAC, 5A GENERAL PURPOSE DUTY.
- 9

CUSTOMER SUPPLIED CONTACTS FOR ALL LOW VOLTAGE CONNECTIONS MUST BE COMPATIBLE WITH DRY CIRCUIT 24VDC FOR A 12mA RESISTIVE LOAD. SILVER OR GOLD PLATED CONTACTS ARE RECOMMENDED.

WARNING

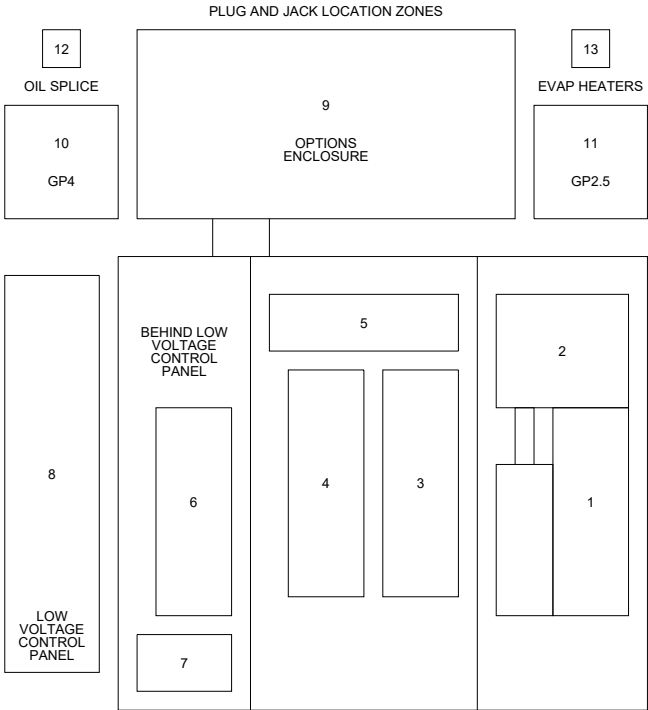
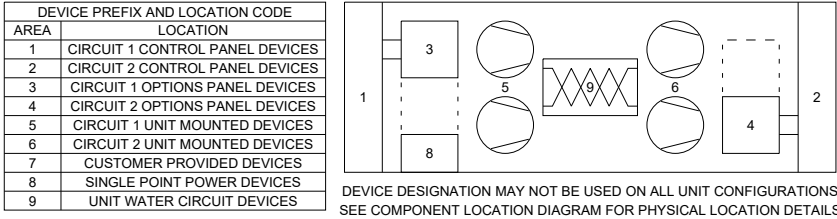
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. ENSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO DO THE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

AVERTISSEMENT

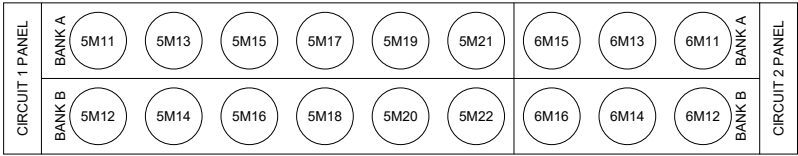
TENSION DANGEREUSE!
COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS. UN MANQUEMENT À LA PROCÉDURE CI-DESSUS PEUT ENTRAÎNER DES BLESSURES GRAVES, VOIRE LA MORT.

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 TRANSMISIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.
NO REALIZAR LO ANTEDICHO PUEDE PROVOCAR LA MUERTE O LESIONES GRAVES.



375 AND 440 TON UNITS - WITHOUT HARMONIC FILTER OR VOLTAGE AUTOTRANSFORMER



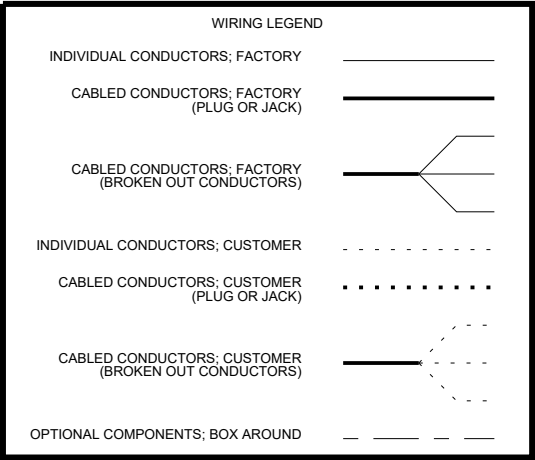
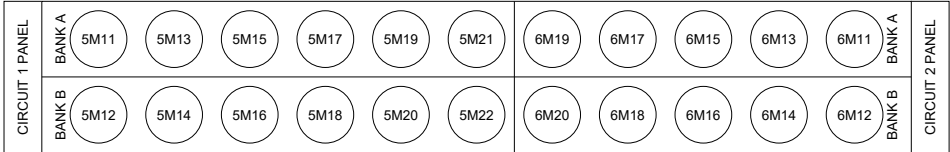
375 AND 440 TON UNITS - WITH HARMONIC FILTER OR VOLTAGE AUTOTRANSFORMER



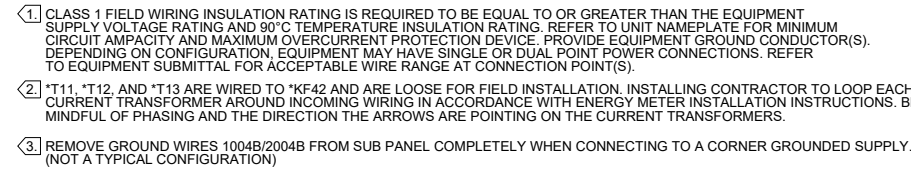
380 AND 450 TON UNITS



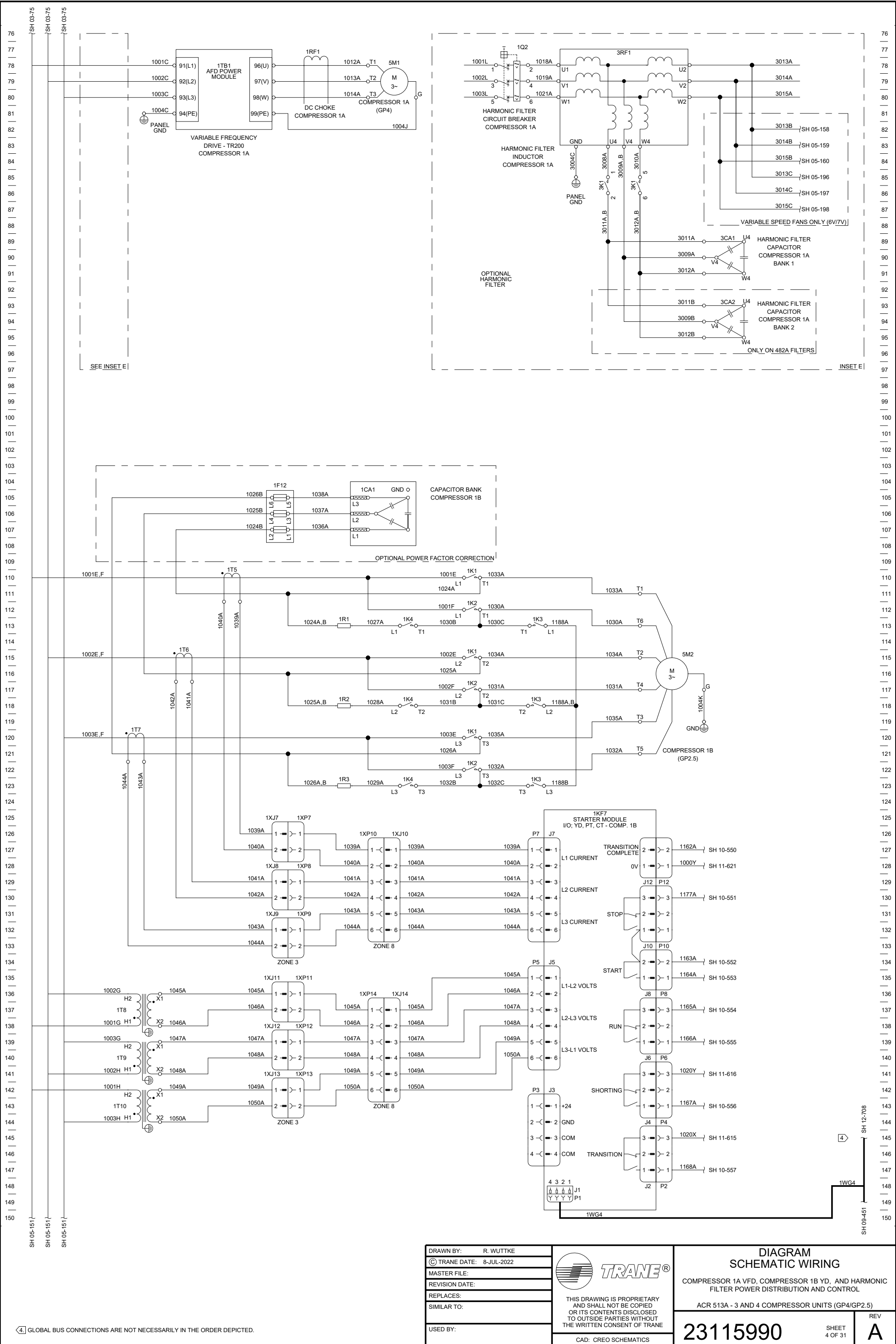
500 AND 550 TON UNITS

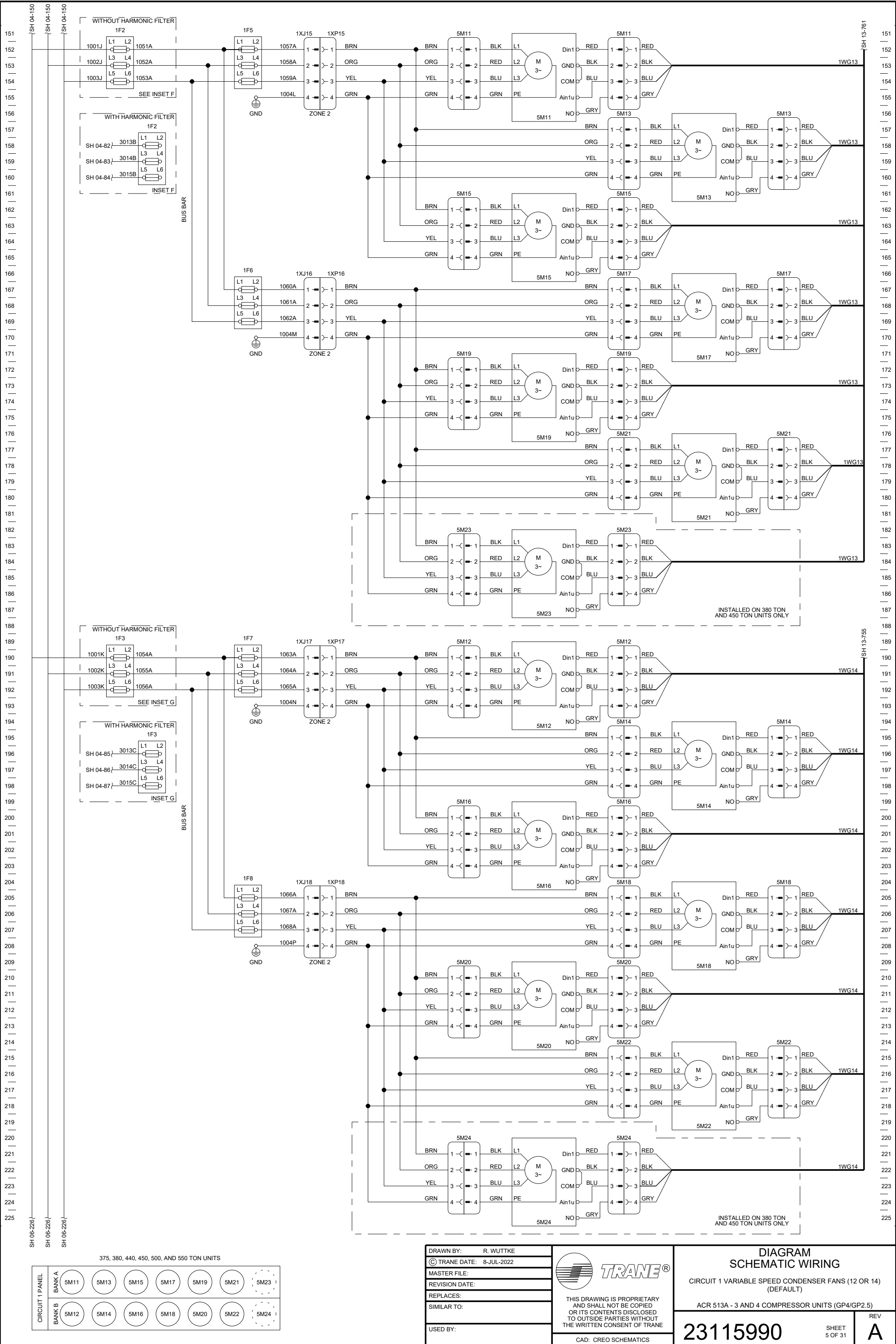


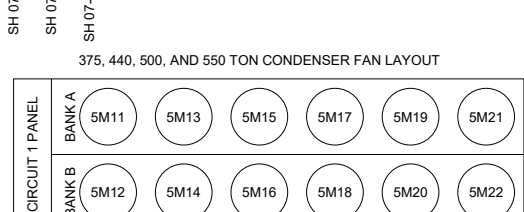
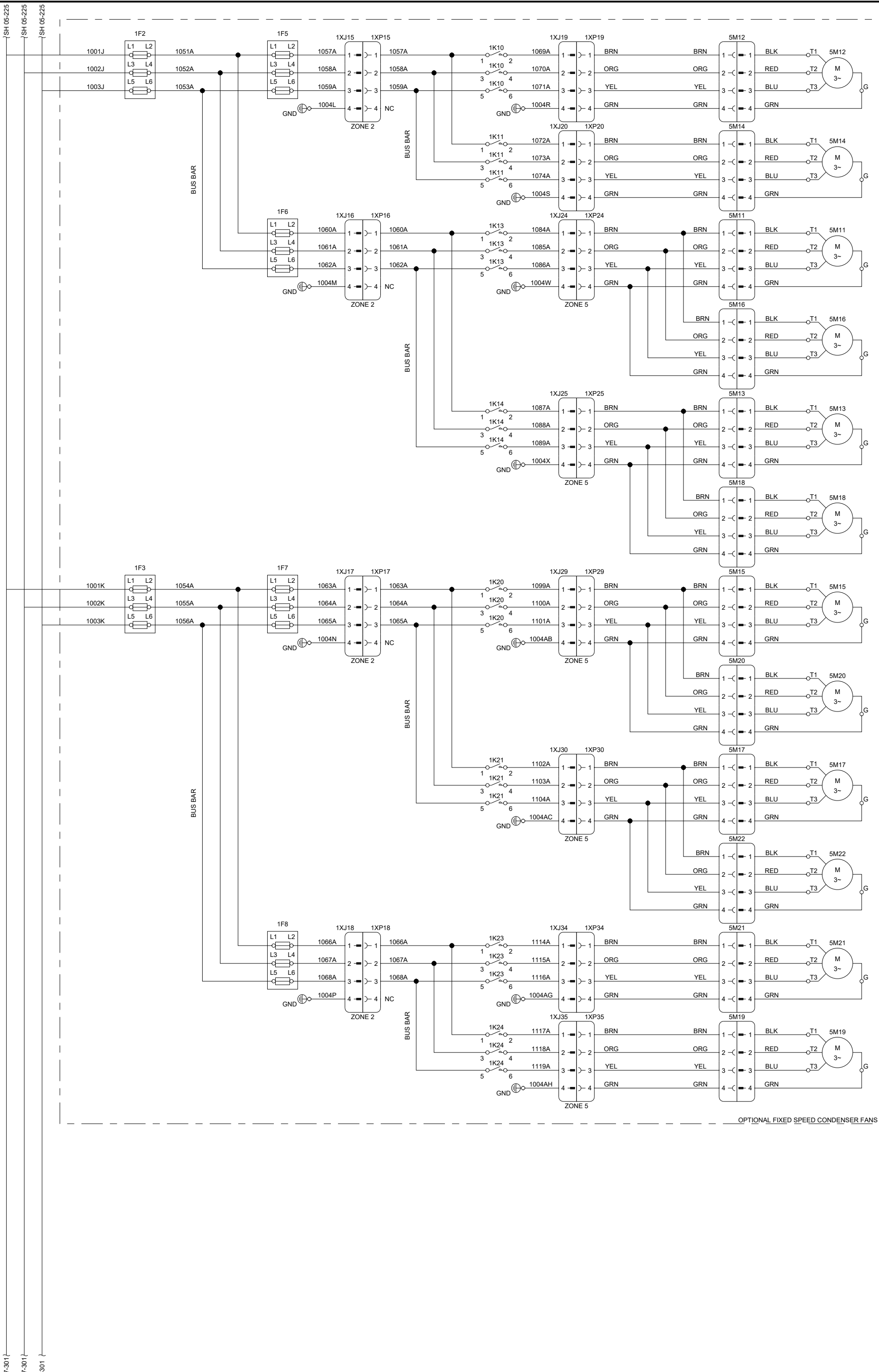
DRAWN BY: R. WUTTKE		DIAGRAM SCHEMATIC WIRING	
© TRANE DATE: 8-JUL-2022			
MASTER FILE:		DEVICE LOCATIONS, NOTES, AND WARNING	
REVISION DATE:			
REPLACES:		ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)	
SIMILAR TO:			
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CAD: CREO SCHEMATICS		REV A	



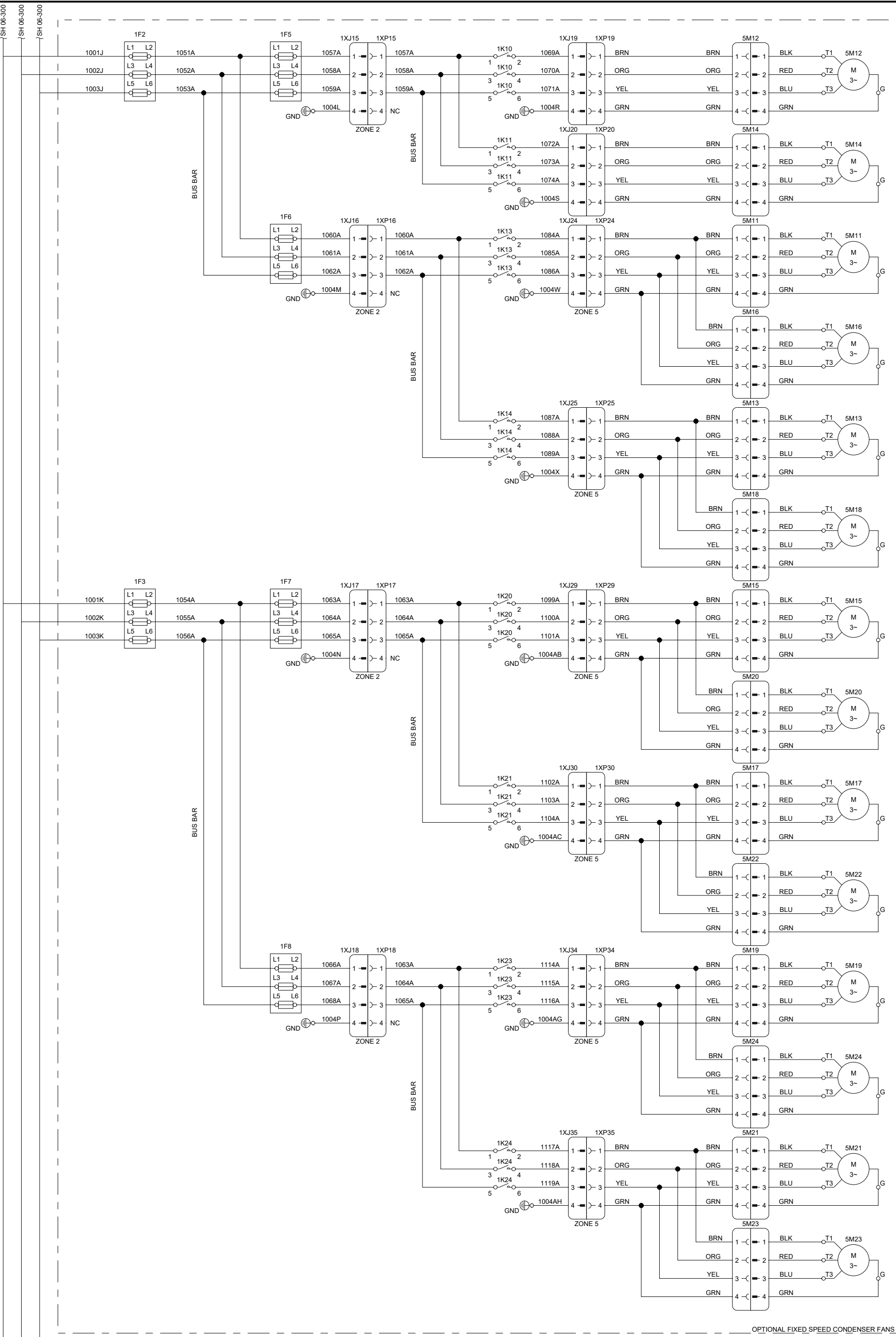
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MASTER FILE:		CIRCUIT 1 FIXED SPEED CONDENSER FANS (12) (OPTIONAL)	
REVISION DATE:		ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)	
REPLACES:		REV	
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OPTIONAL FIXED SPEED CONDENSER FANS

380 AND 450 TON CONDENSER FAN LAYOUT														
CIRCUIT 1 PANEL	BANK A							BANK B						
	5M11	5M13	5M15	5M17	5M19	5M21	5M23	5M12	5M14	5M16	5M18	5M20	5M22	5M24

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DIAGRAM
SCHEMATIC WIRING

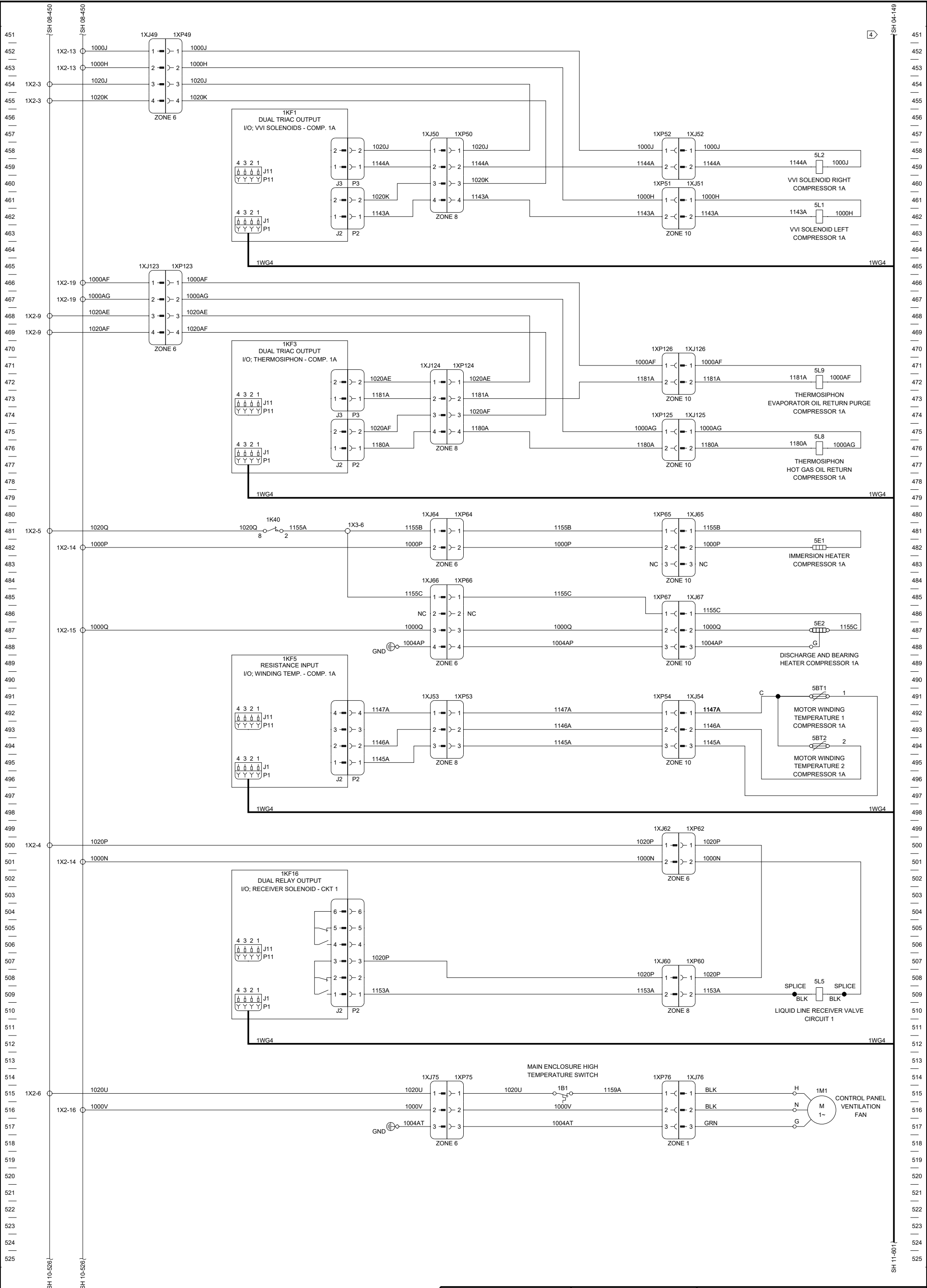
CIRCUIT 1 FIXED SPEED CONDENSER FANS (14)
(OPTIONAL)

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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SHEET
7 OF 31

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4 GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.

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CAD: CREO SCHEMATICS

DIAGRAM SCHEMATIC WIRING

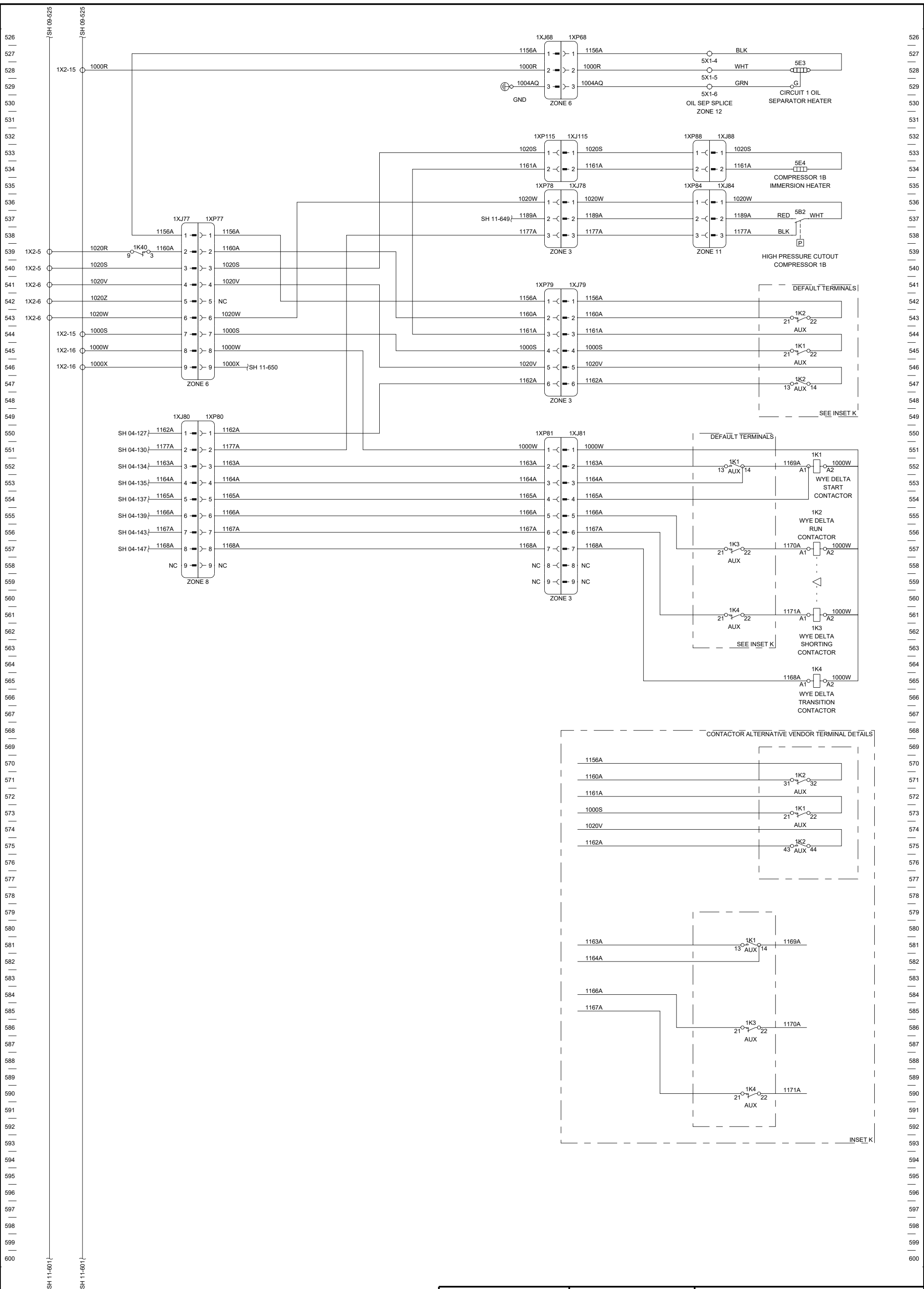
COMPRESSOR 1A, REFRIGERANT CIRCUIT 1, AND
COMMON PANEL CONTROL

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

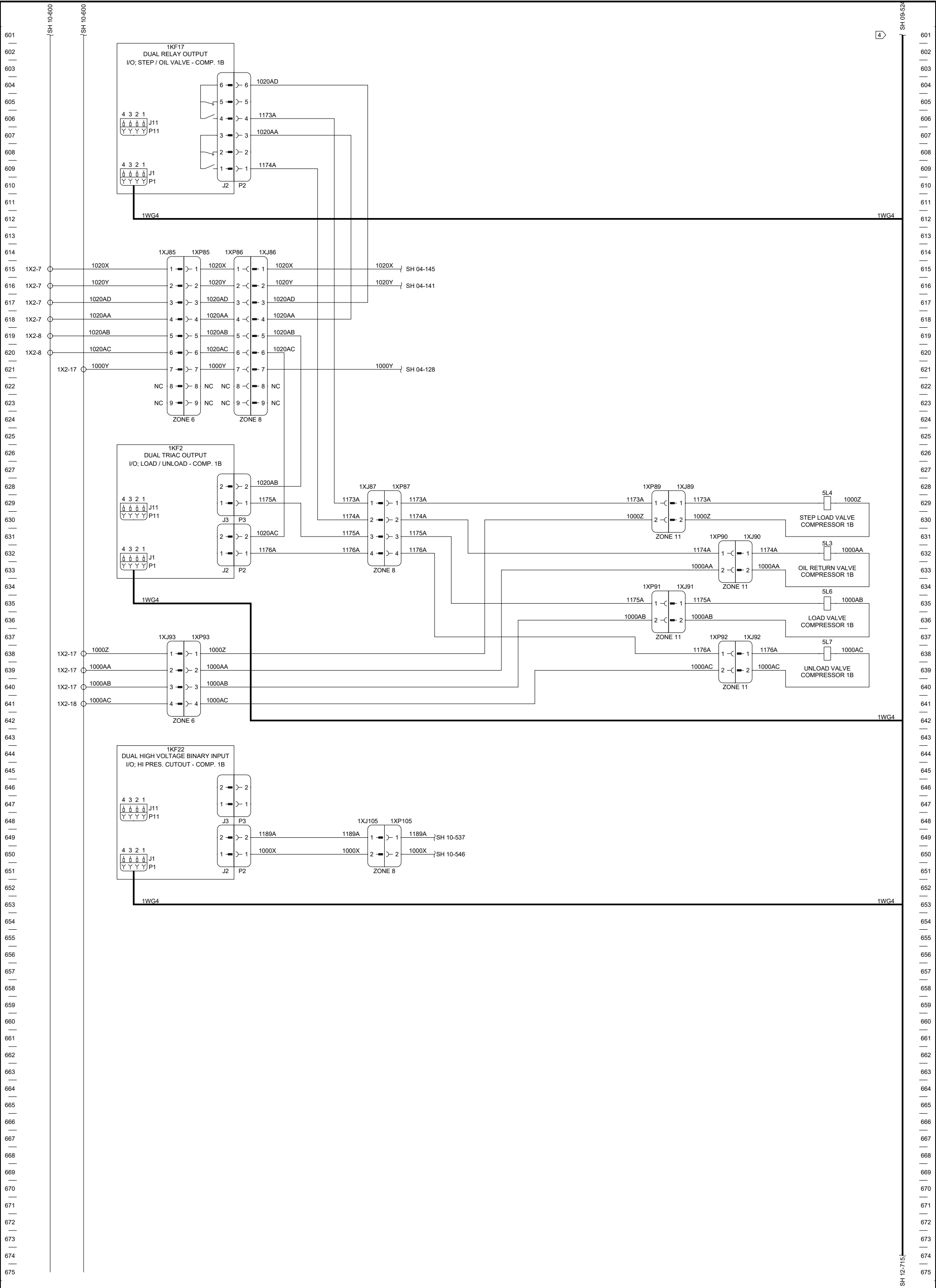
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9 OF 31

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© TRANE DATE: 8-JUL-2022		COMPRESSOR 1B WYE DELTA, HEATER, AND REFRIGERANT CIRCUIT 1 OIL SEPARATOR HEATER		
MASTER FILE:		ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)		
REVISION DATE:		23115990	SHEET 10 OF 31	REV A
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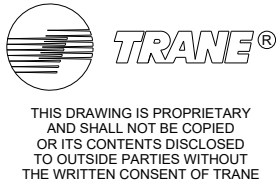
COMPRESSOR 1B SOLENOID CONTROL
AND HIGH PRESSURE SWITCH

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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REV
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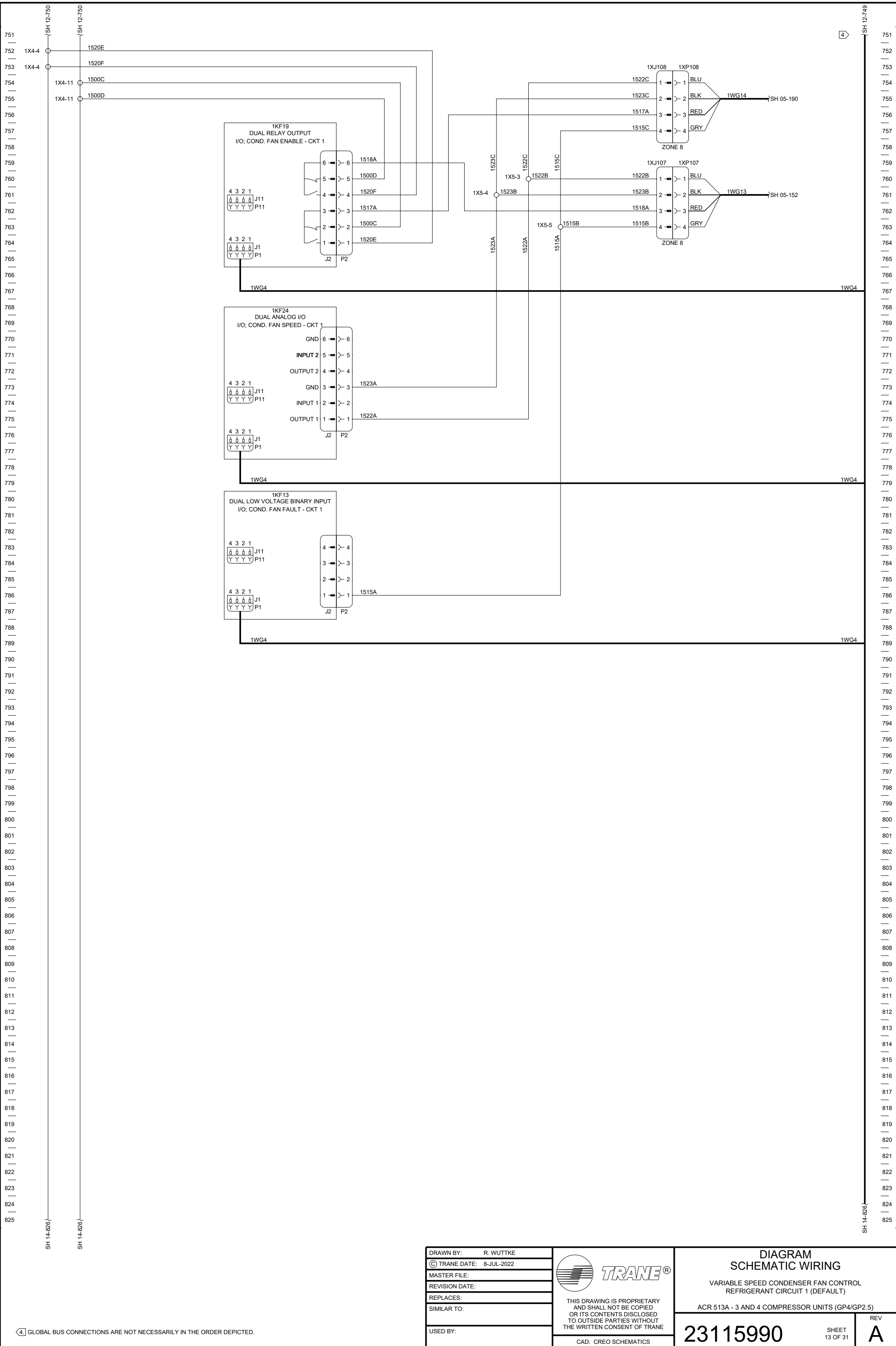


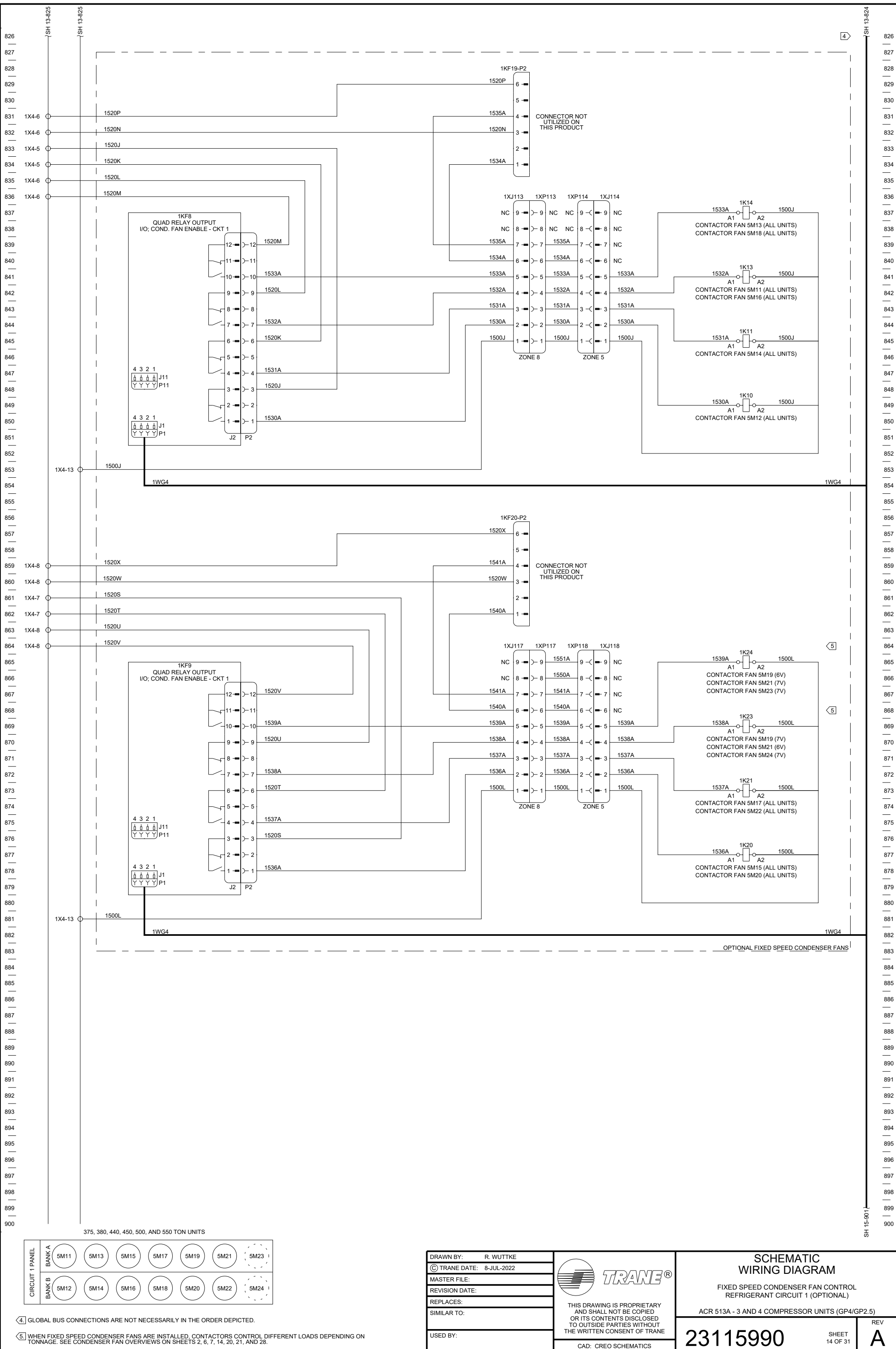
115VAC-27VAC CPTS, 24VDC POWER SUPPLIES, FLOW SWITCH, AND OIL SWITCH

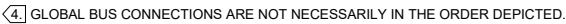
ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

SHEET
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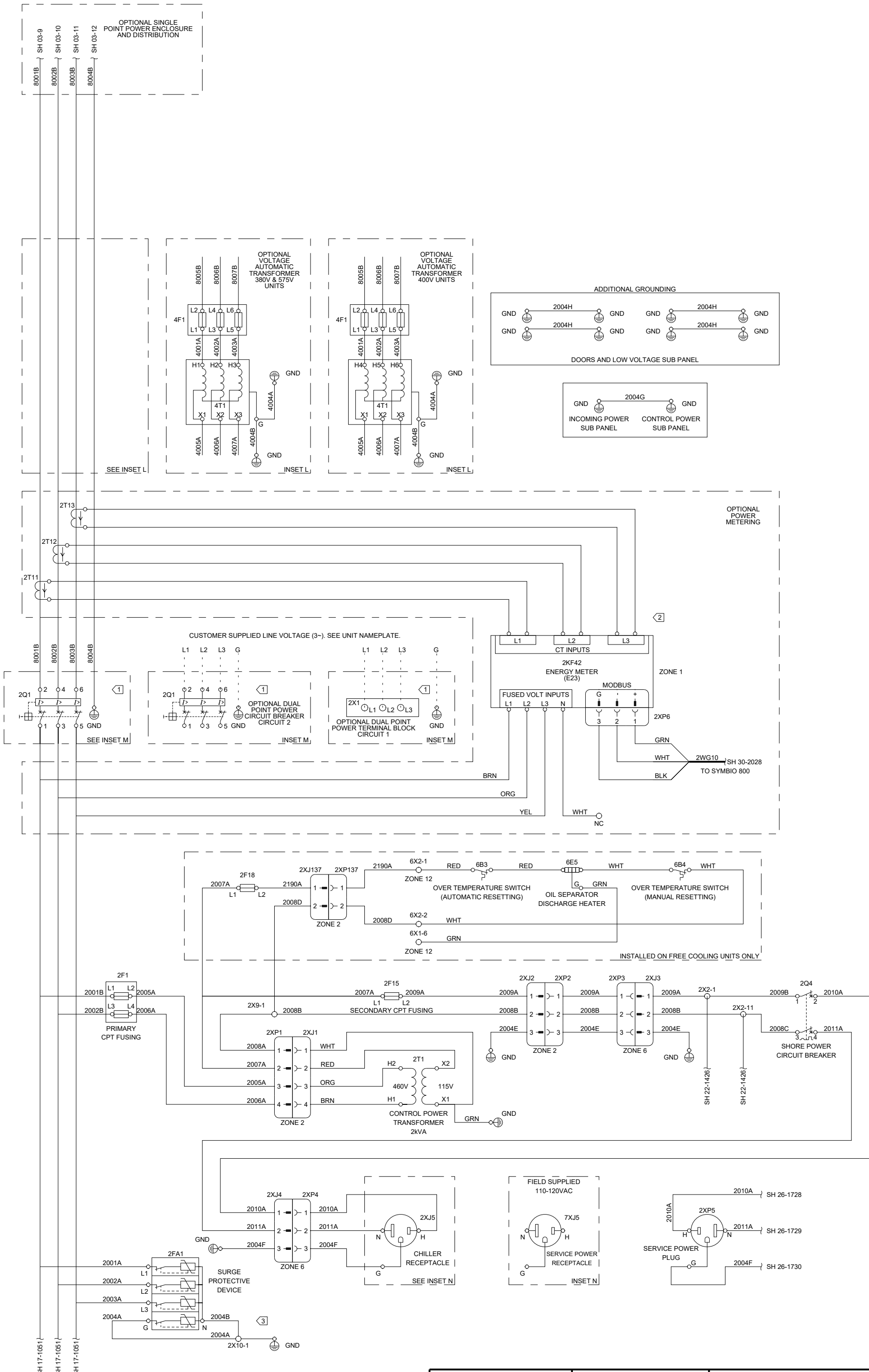
4. GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.







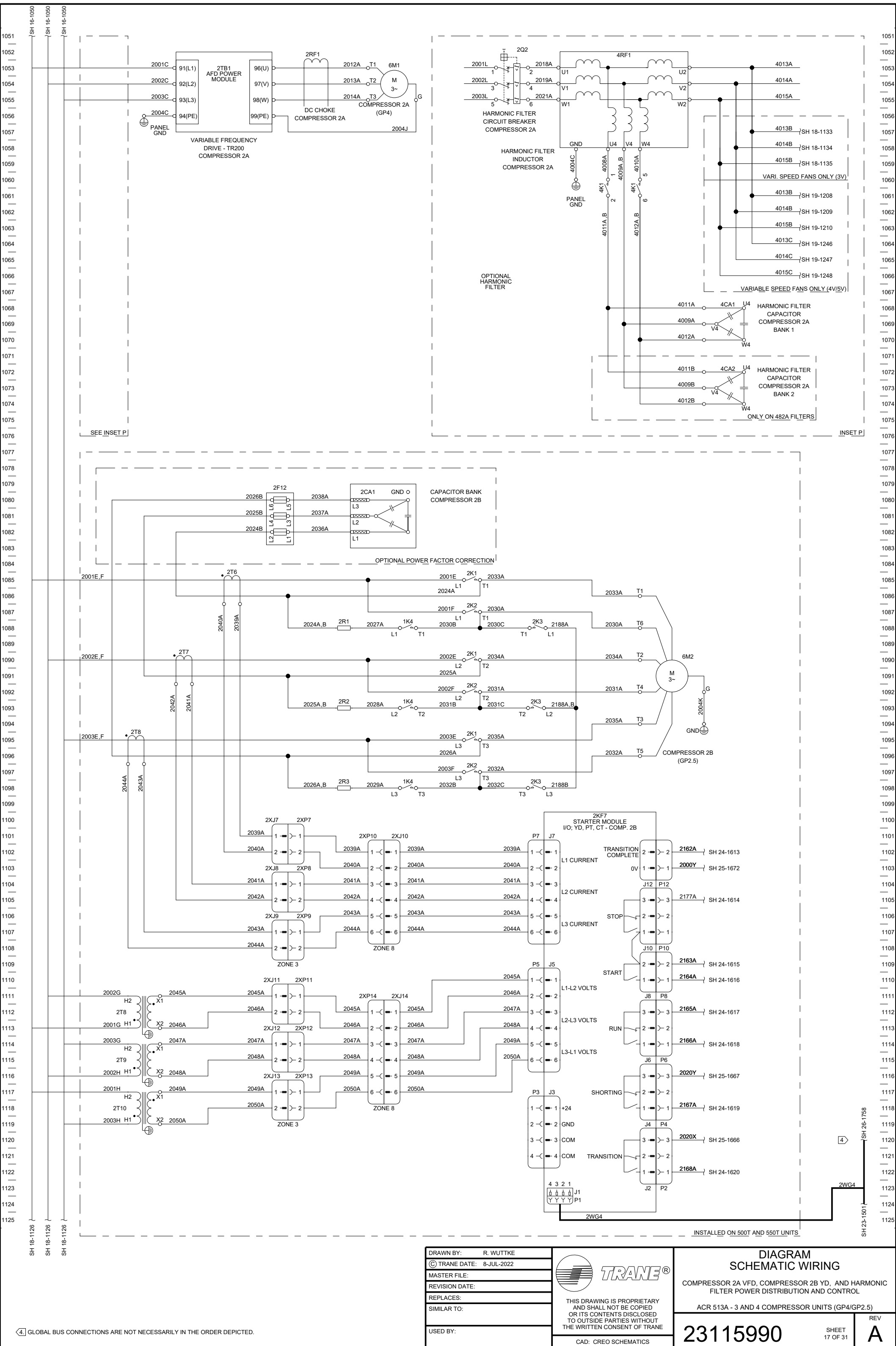
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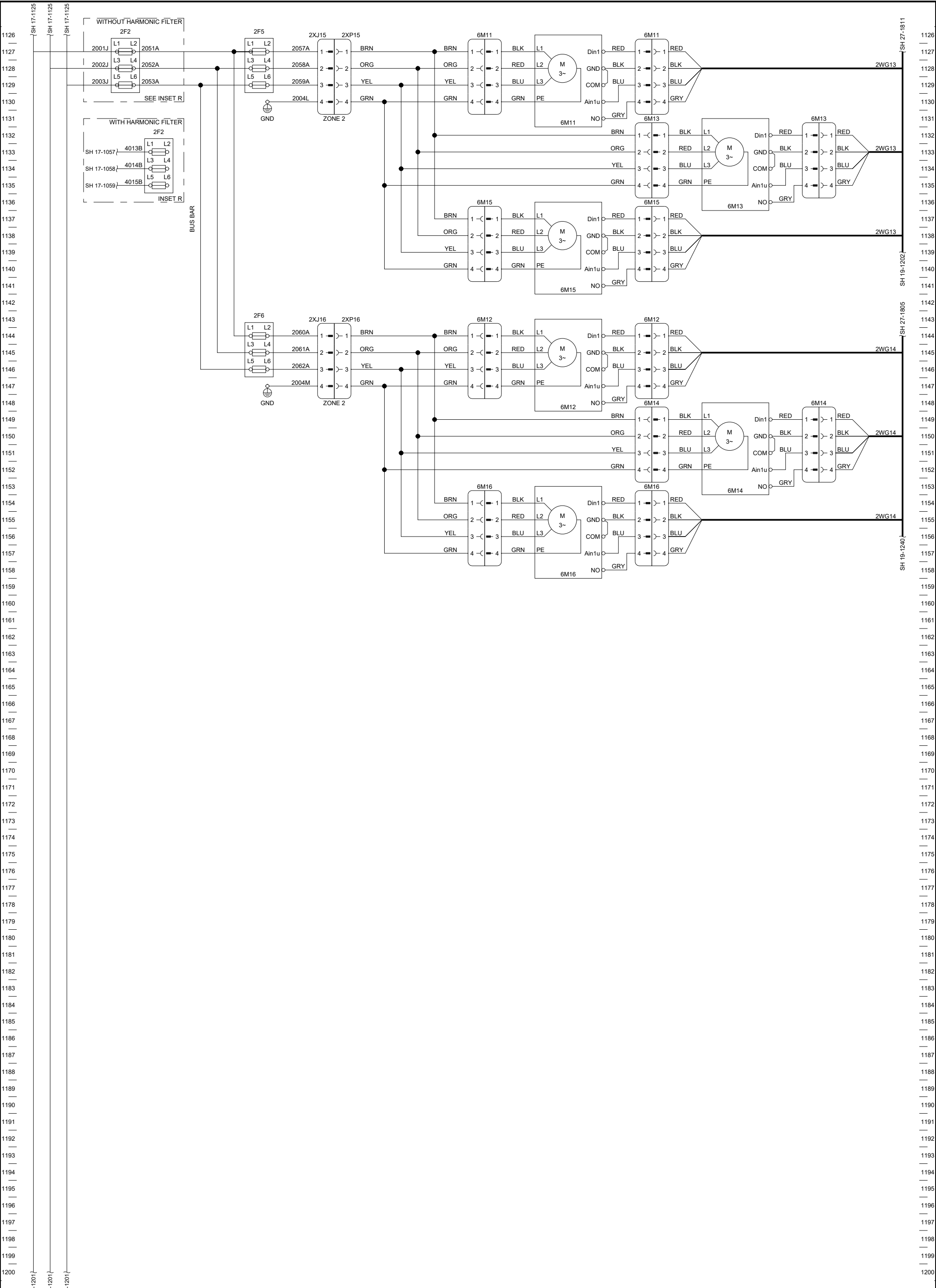


① CLASS 1 FIELD WIRING INSULATION RATING IS REQUIRED TO BE EQUAL TO OR GREATER THAN THE EQUIPMENT SUPPLY VOLTAGE RATING AND 90°C TEMPERATURE INSULATION RATING. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION DEVICE. PROVIDE EQUIPMENT GROUND CONDUCTOR(S). DEPENDING ON CONFIGURATION, EQUIPMENT MAY HAVE SINGLE OR DUAL POINT POWER CONNECTIONS. REFER TO EQUIPMENT SUBMITTAL FOR ACCEPTABLE WIRE RANGE AT CONNECTION POINT(S).

② *T11, *T12, AND *T13 ARE WIRED TO *KF42 AND ARE LOOSE FOR FIELD INSTALLATION. INSTALLING CONTRACTOR TO LOOP EACH CURRENT TRANSFORMER AROUND INCOMING WIRING IN ACCORDANCE WITH ENERGY METER INSTALLATION INSTRUCTIONS. BE MINDFUL OF PHASING AND THE DIRECTION THE ARROWS ARE POINTING ON THE CURRENT TRANSFORMERS.

③ REMOVE GROUND WIRES 1004B/2004B FROM SUB PANEL COMPLETELY WHEN CONNECTING TO A CORNER GROUNDED SUPPLY. (NOT A TYPICAL CONFIGURATION)

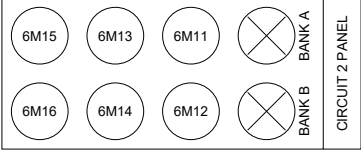




375 AND 440 TON UNITS - WITHOUT HARMONIC FILTER OR VOLTAGE AUTOTRANSFORMER



375 AND 440 TON UNITS - WITH HARMONIC FILTER OR VOLTAGE AUTOTRANSFORMER



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DIAGRAM SCHEMATIC WIRING

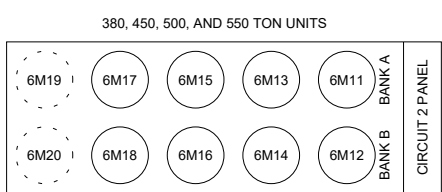
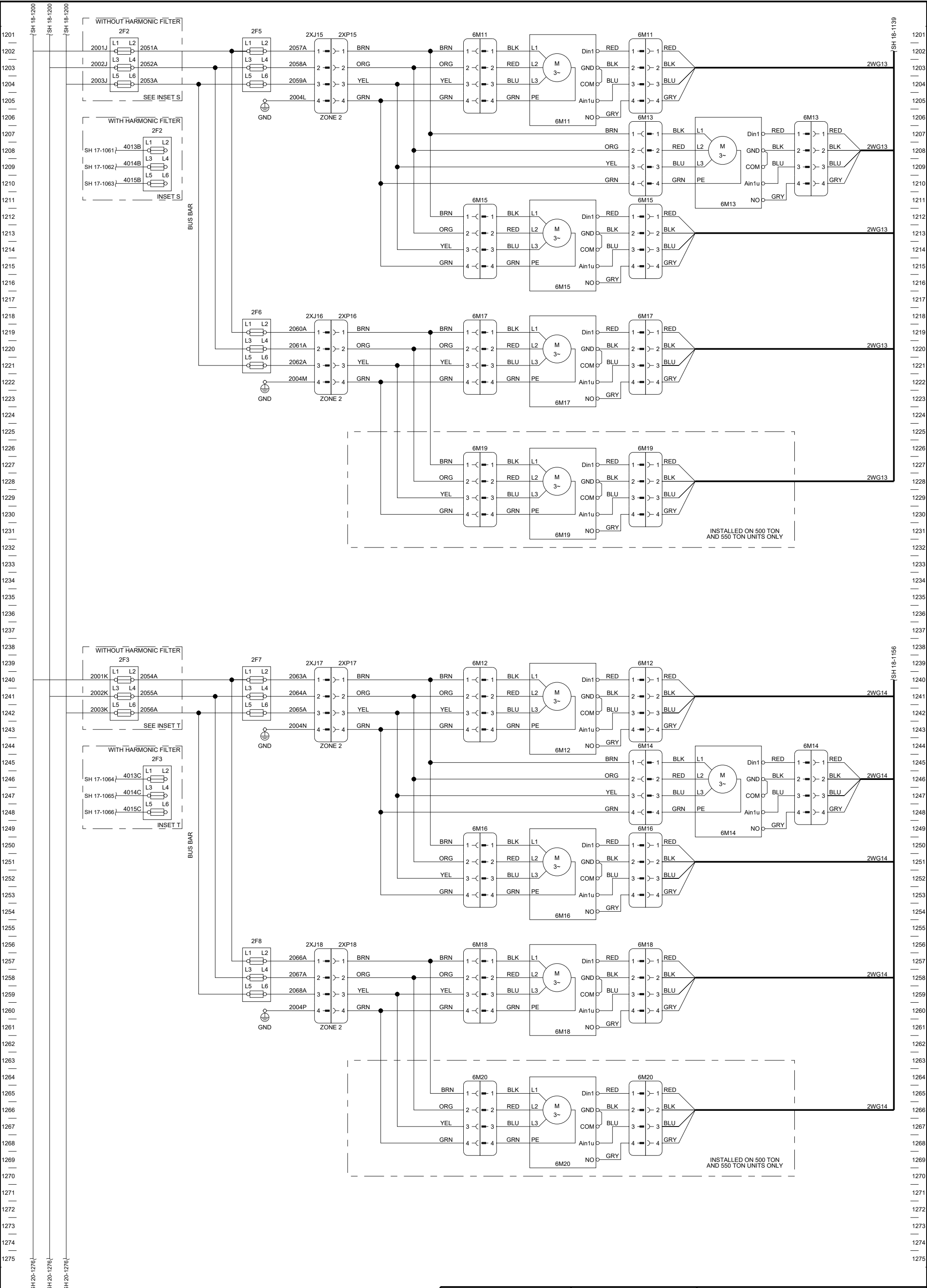
CIRCUIT 2 VARIABLE SPEED CONDENSER FANS (6) (DEFAULT)

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

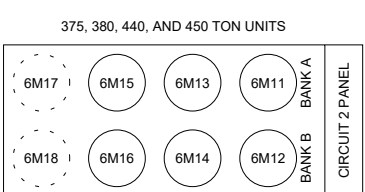
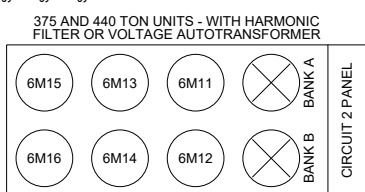
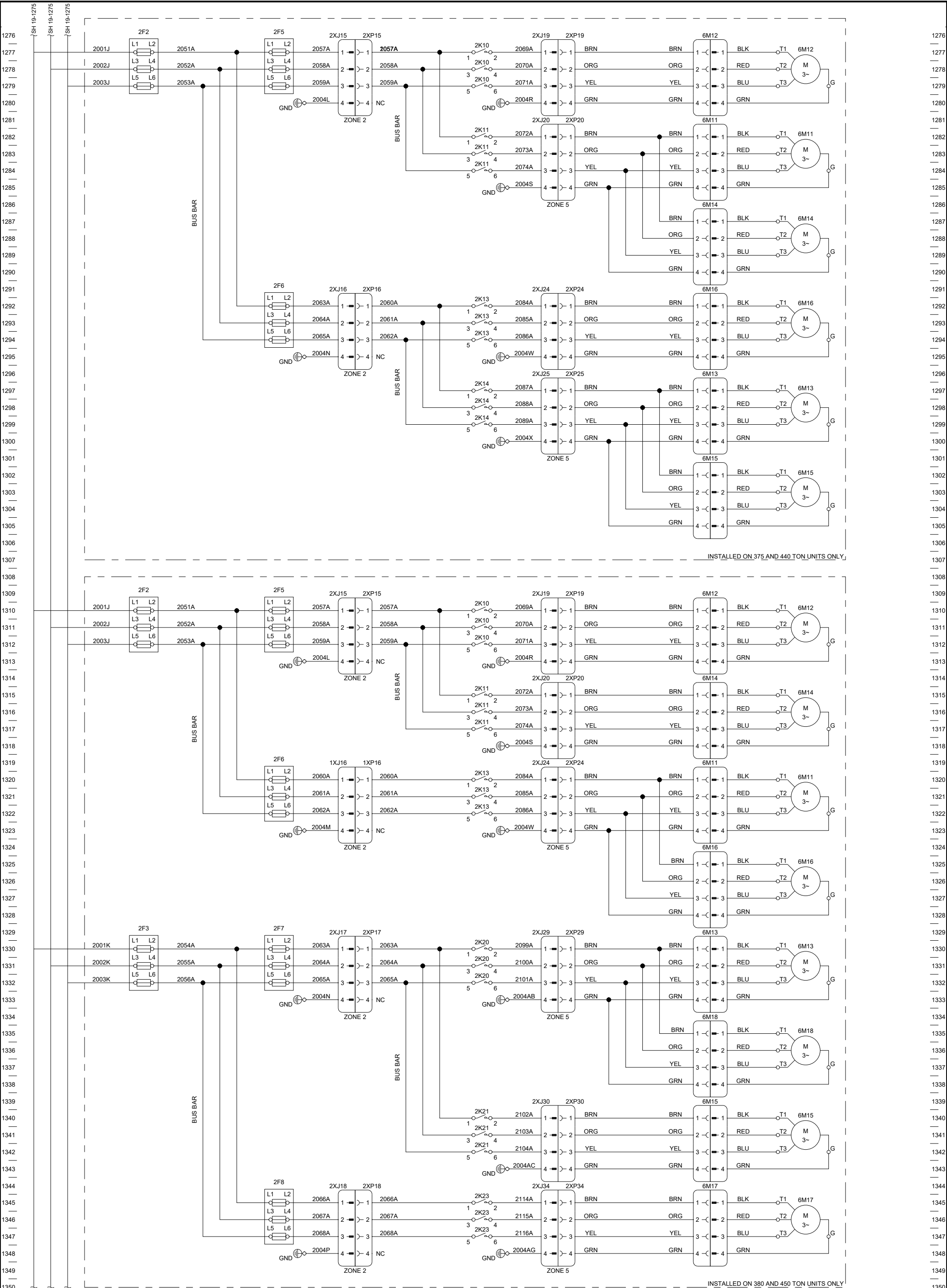
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SHEET 18 OF 31

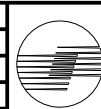
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MASTER FILE:			CIRCUIT 2 VARIABLE SPEED CONDENSER FANS (8 OR 10) (DEFAULT)	
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SCHEMATIC WIRING**

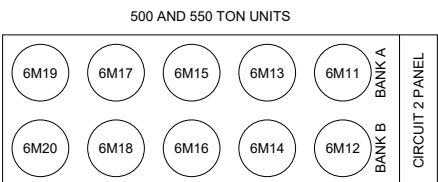
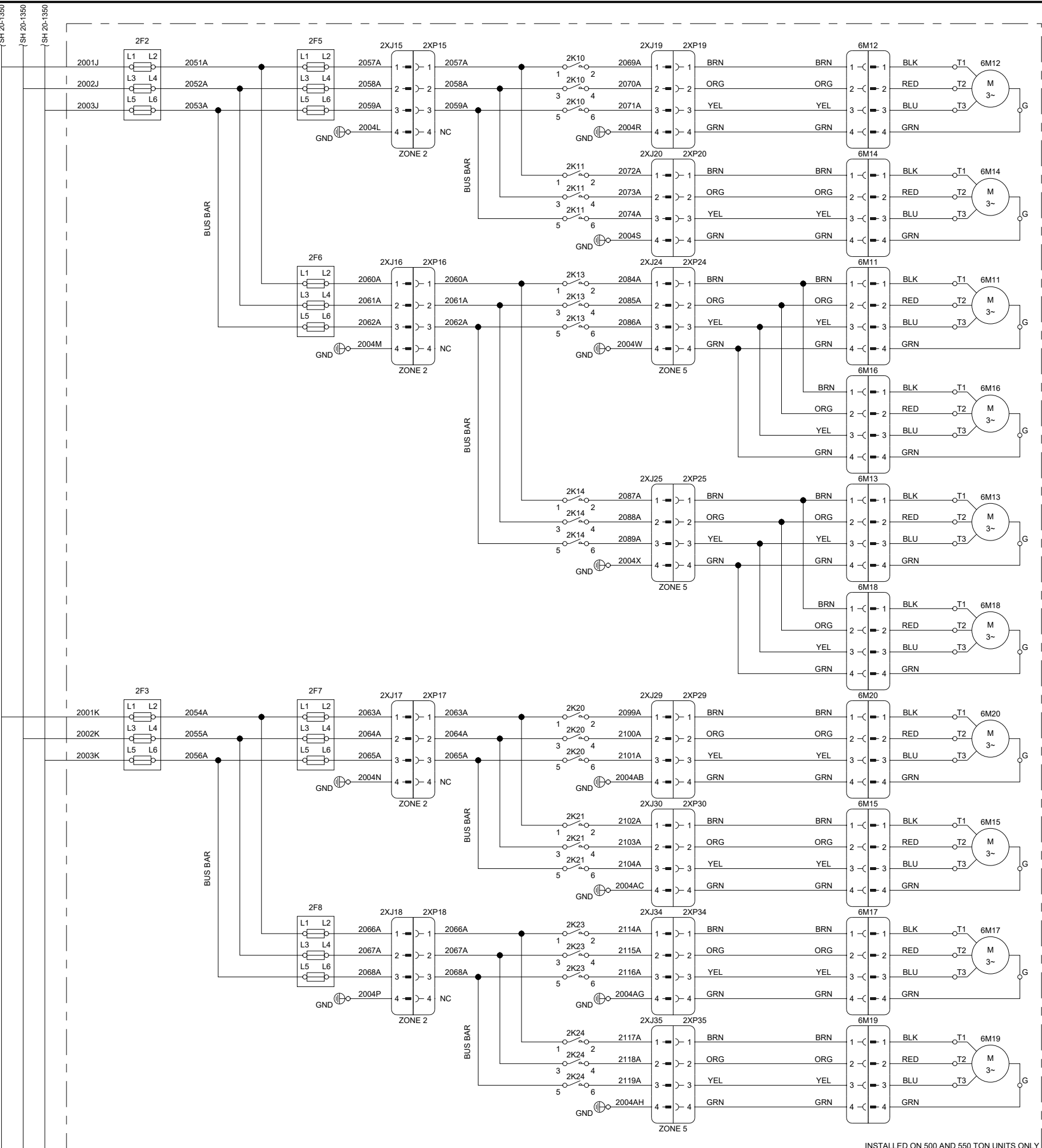
CIRCUIT 2 FIXED SPEED CONDENSER FANS (6 OR 8)
(OPTIONAL)

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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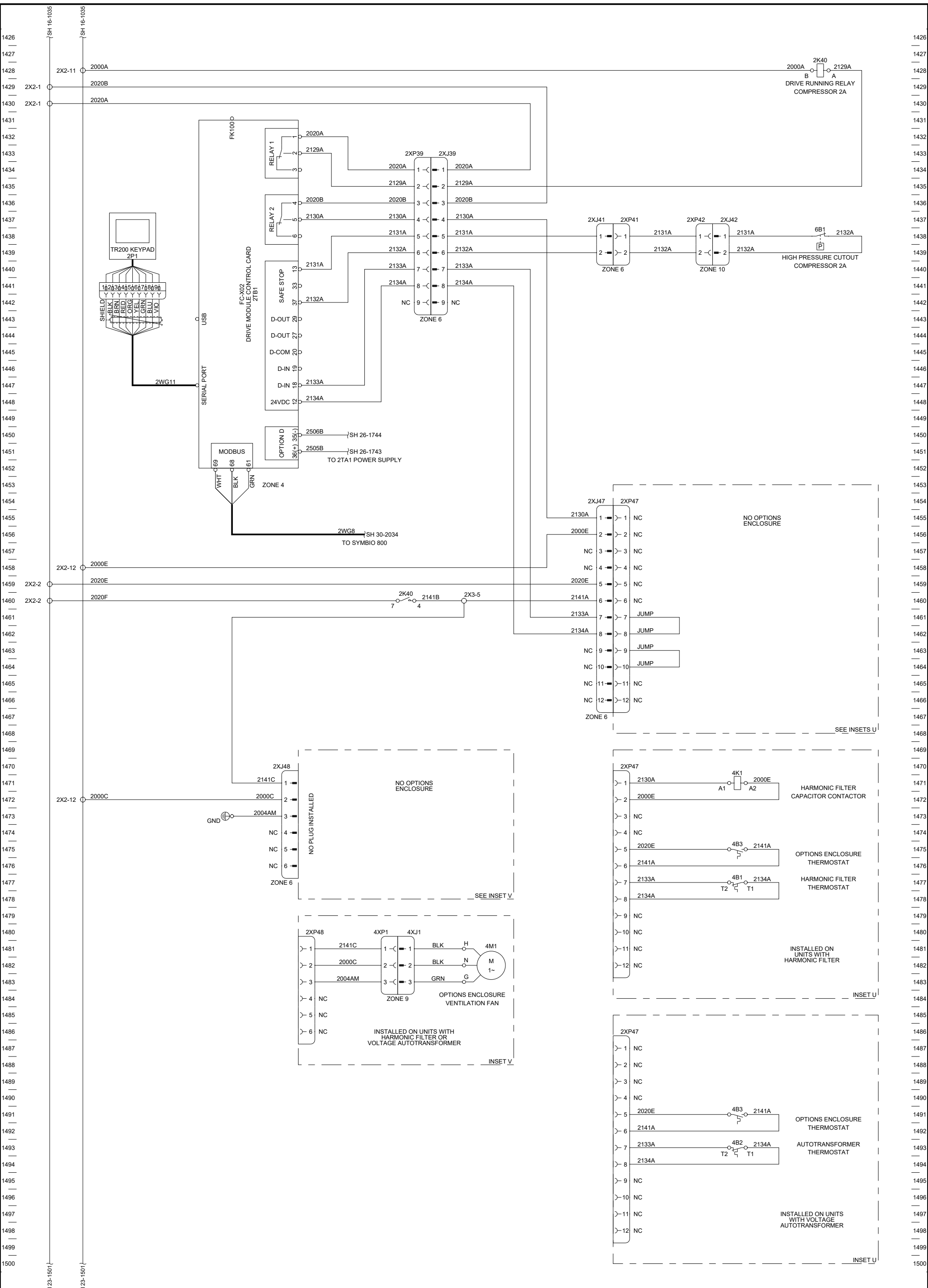


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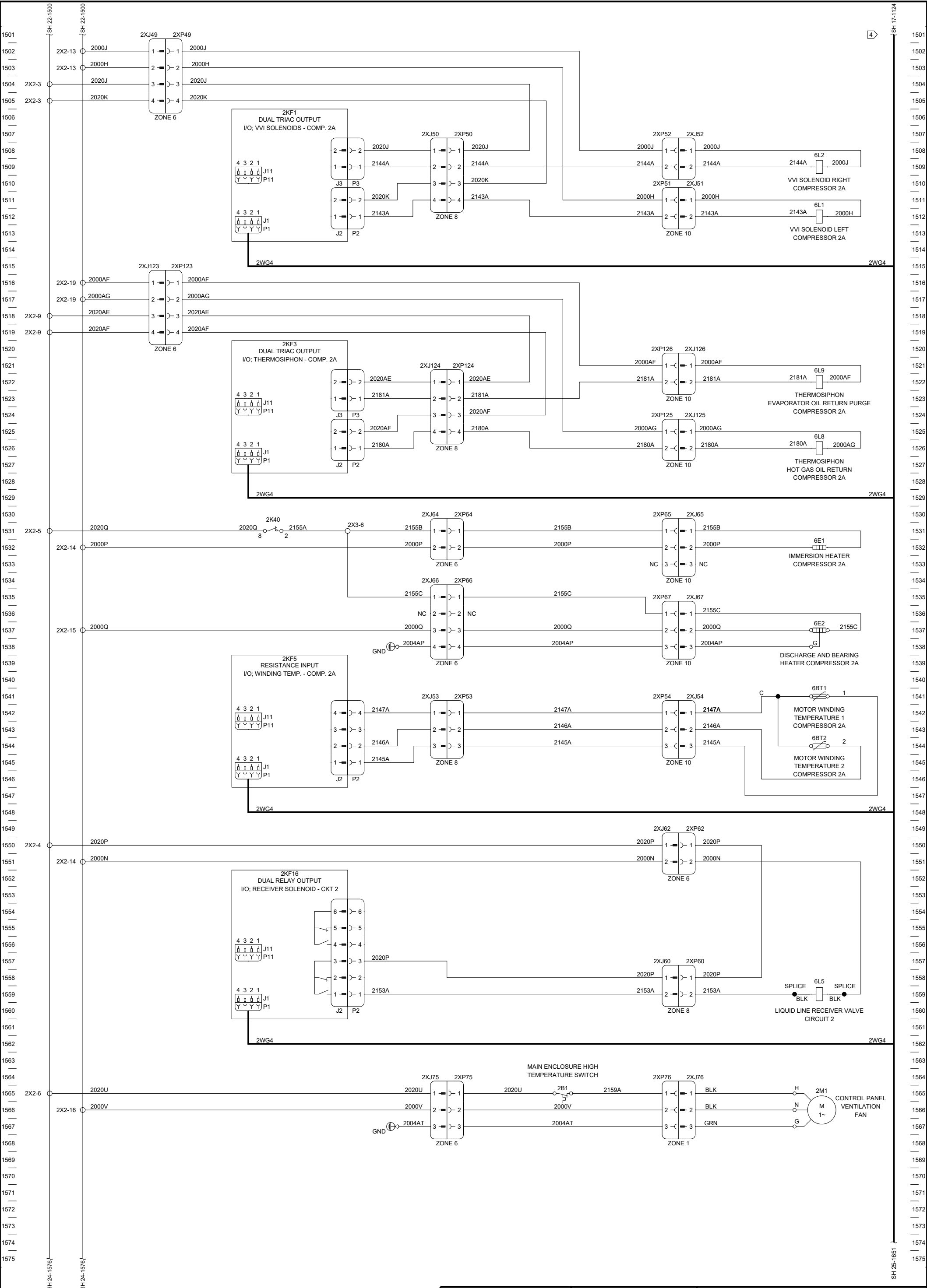
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DIAGRAM SCHEMATIC WIRING	
CIRCUIT 2 FIXED SPEED CONDENSER FANS (10) (OPTIONAL)	
ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)	
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REV A	



DRAWN BY: R. WUTIRE	 	DIAGRAM SCHEMATIC WIRING	
© TRANE DATE: 8-JUL-2022		COMPRESSOR 2A VFD CONTROL AND OPTIONS ENCLOSURE INTERFACE	
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4 GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.

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DIAGRAM SCHEMATIC WIRING

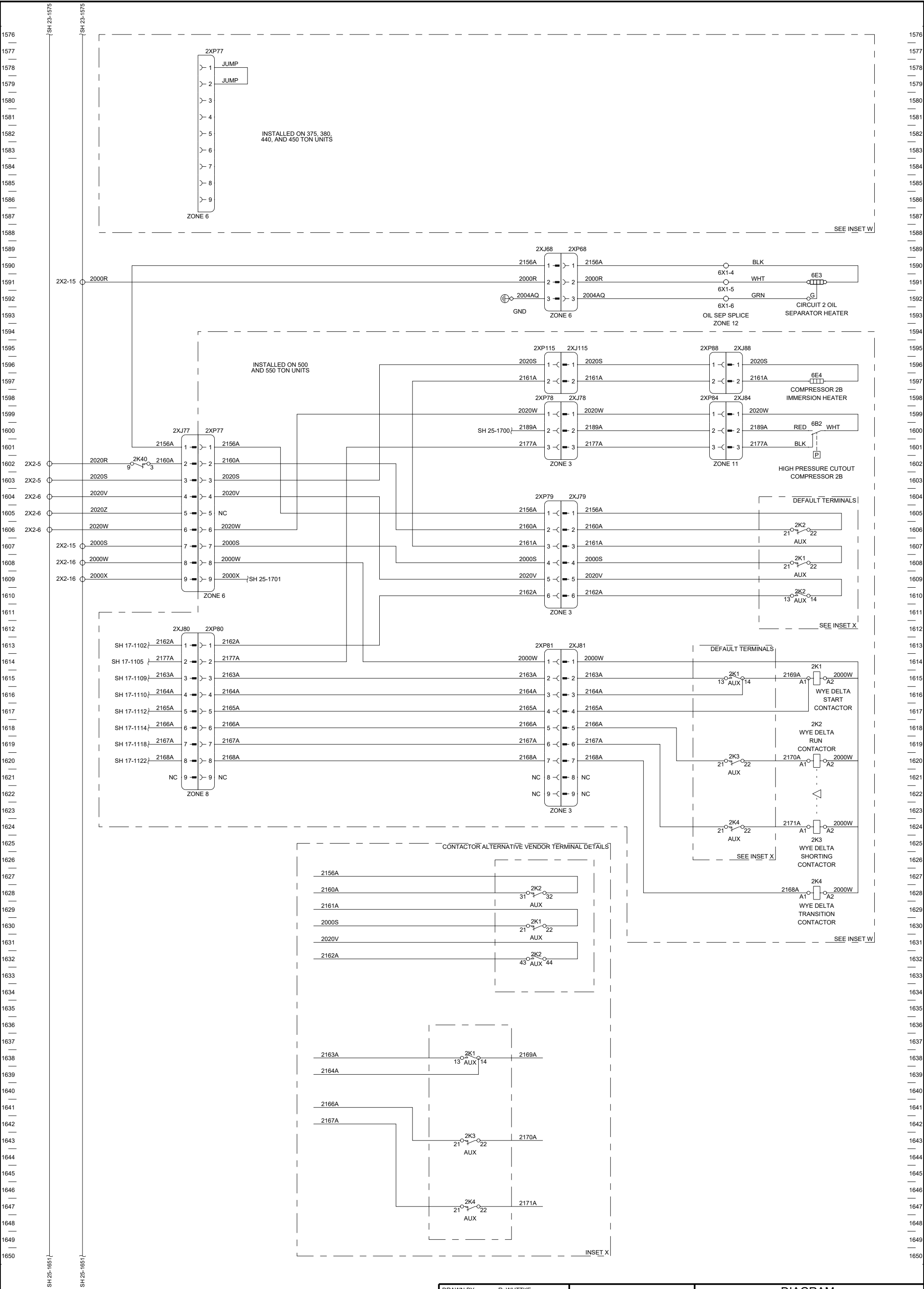
COMPRESSOR 2A, REFRIGERANT CIRCUIT 2, AND
COMMON PANEL CONTROL

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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SHEET
23 OF 31

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DIAGRAM SCHEMATIC WIRING

COMPRESSOR 2B WYE DELTA, HEATER, AND REFRIGERANT
CIRCUIT 2 OIL SEPARATOR HEATER

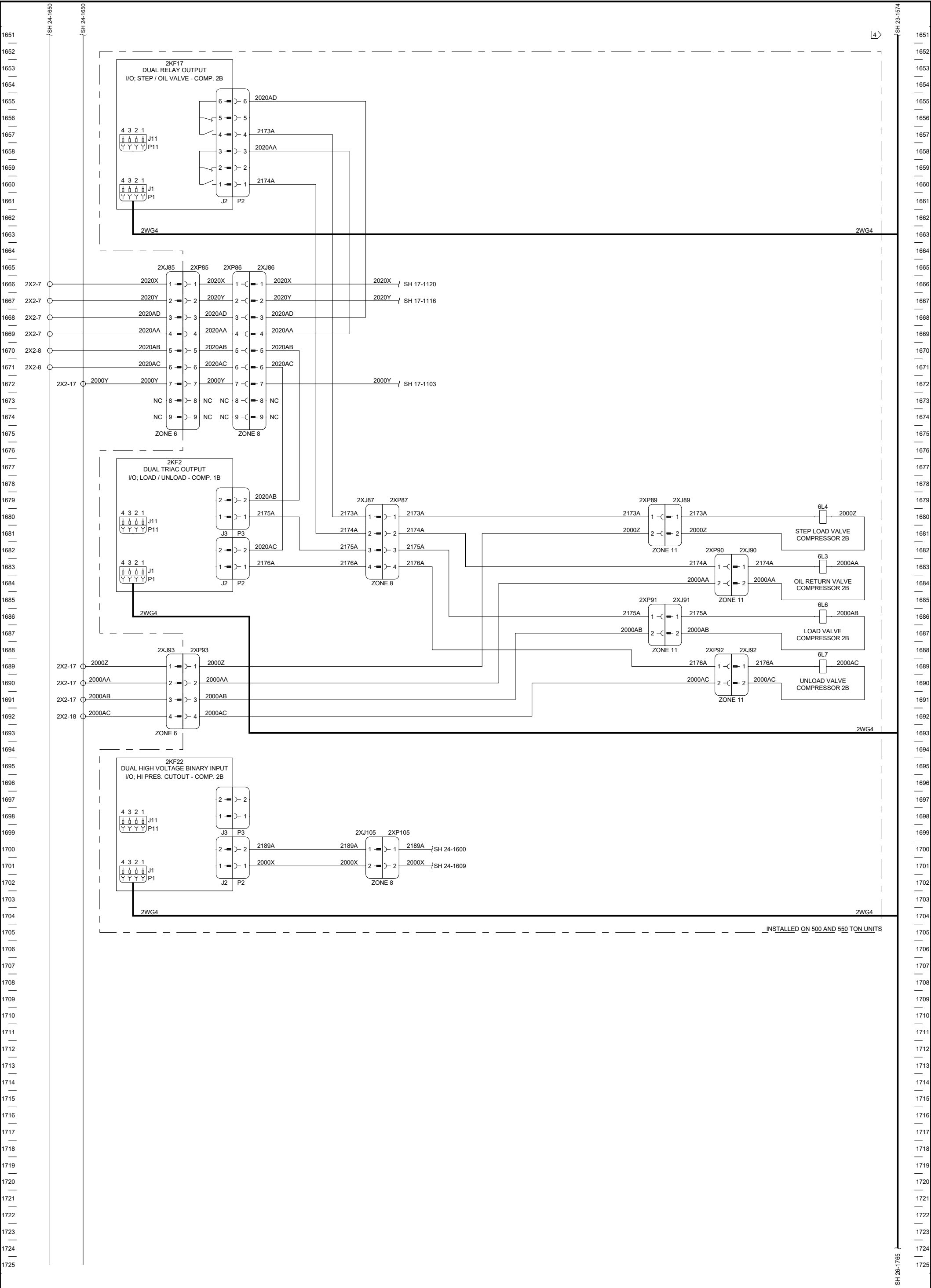
ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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SHEET
24 OF 31

REV

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4 GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.

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CAD: CREO SCHEMATICS

DIAGRAM SCHEMATIC WIRING

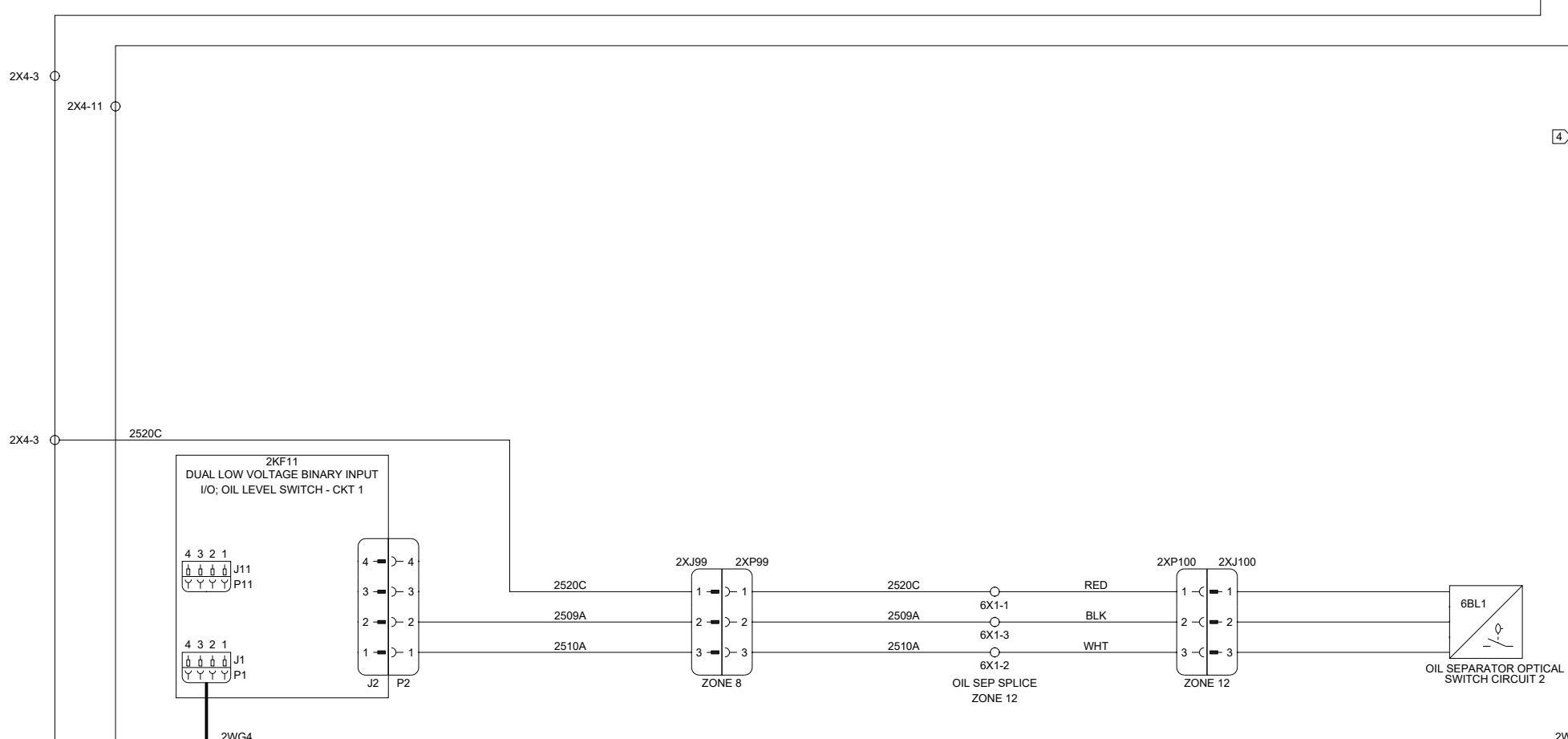
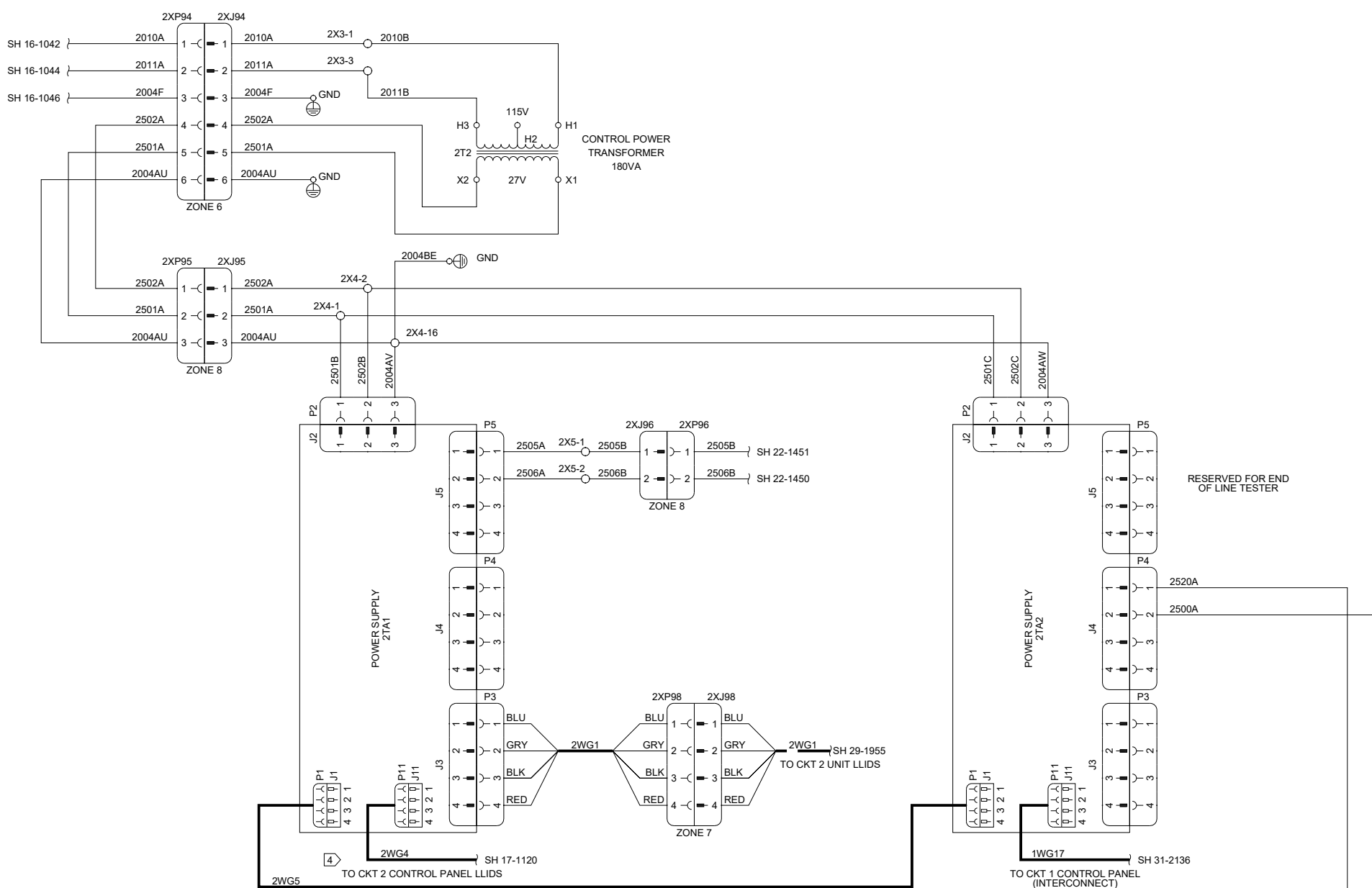
COMPRESSOR 2B SOLENOID CONTROL
AND HIGH PRESSURE SWITCH

ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)

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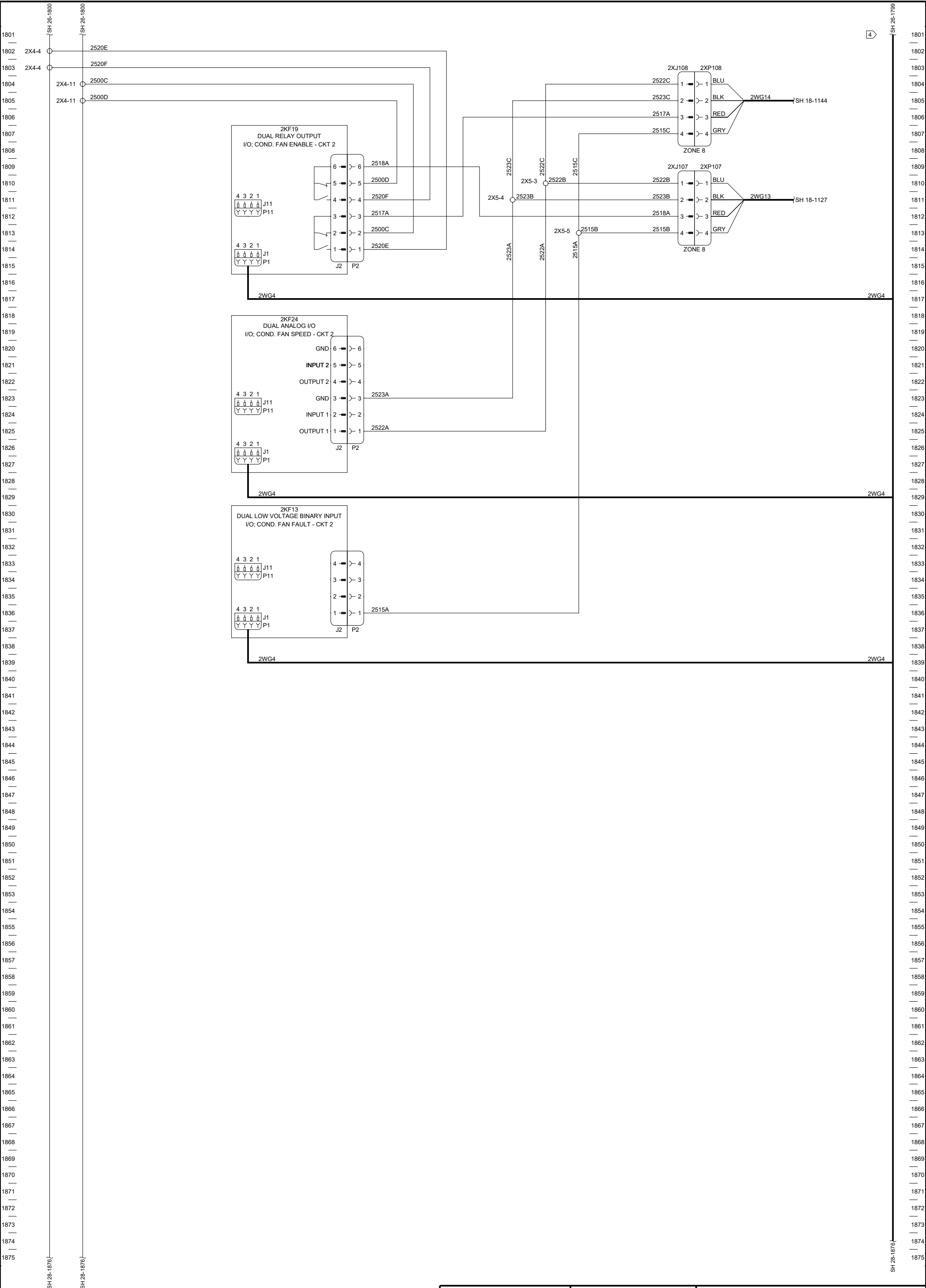
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25 OF 31

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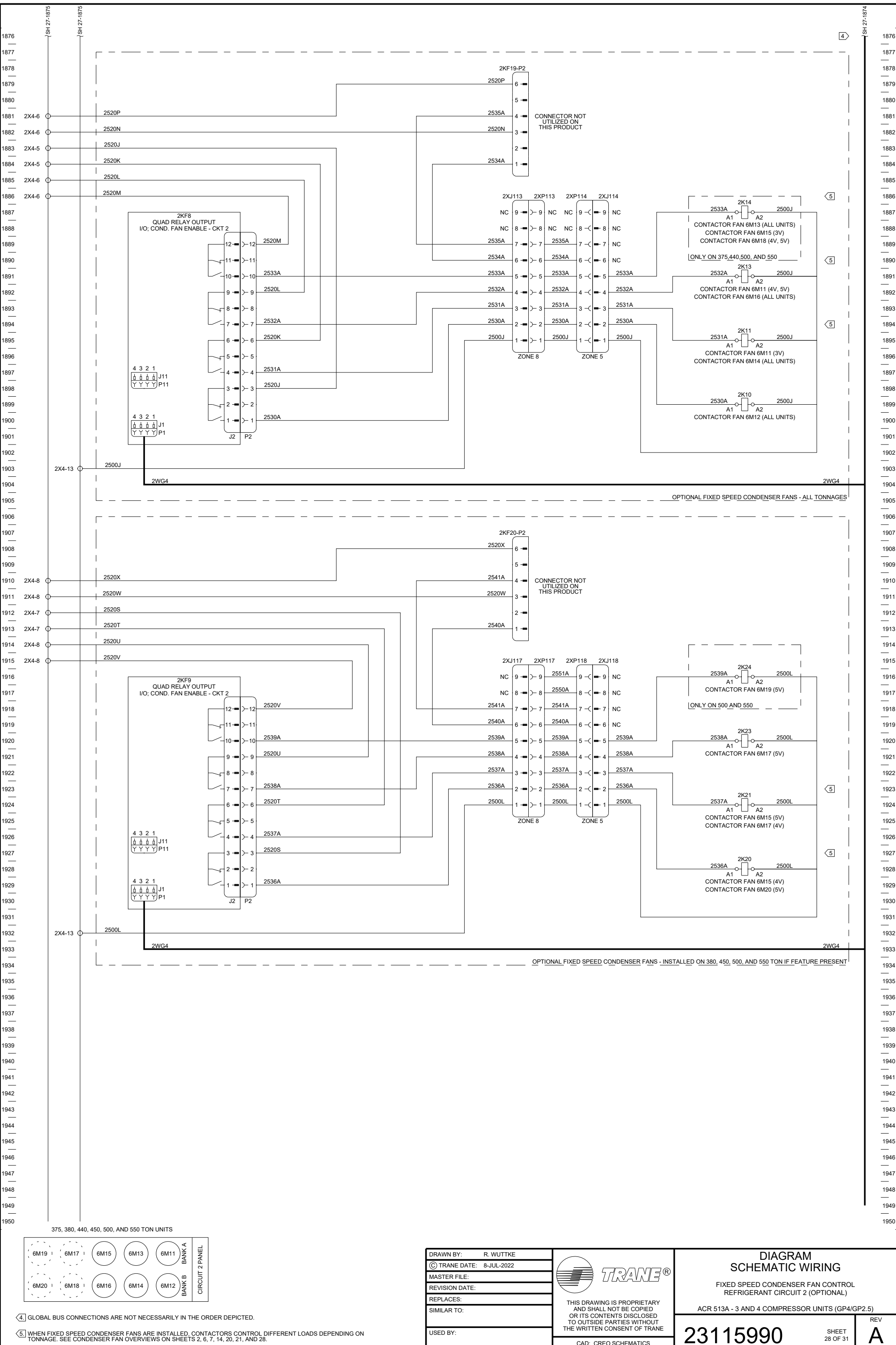
4. GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.

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© TRANE DATE: 8-JUL-2022			115VAC-27VAC CPTS, 24VDC POWER SUPPLIES, AND OIL SWITCH			
MASTER FILE:			ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)			
REVISION DATE:						
REPLACES:						
SIMILAR TO:		THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE	23115990		SHEET 26 OF 31	REV A
USED BY:			CAD: CREO SCHEMATICS			



4 GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.

DRAWN BY: R. WUTTKE	 TRANE® THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE	DIAGRAM SCHEMATIC WIRING VARIABLE SPEED CONDENSER FAN CONTROL REFRIGERANT CIRCUIT 2 (DEFAULT) ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)		
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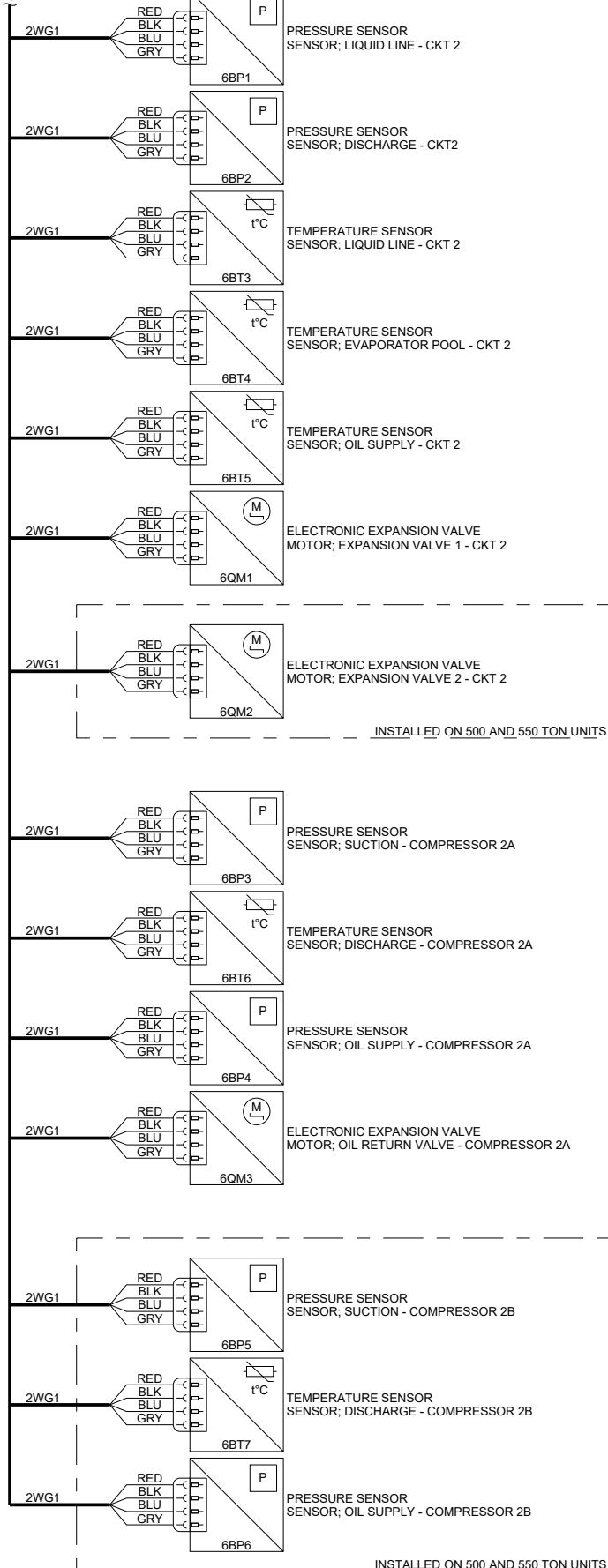
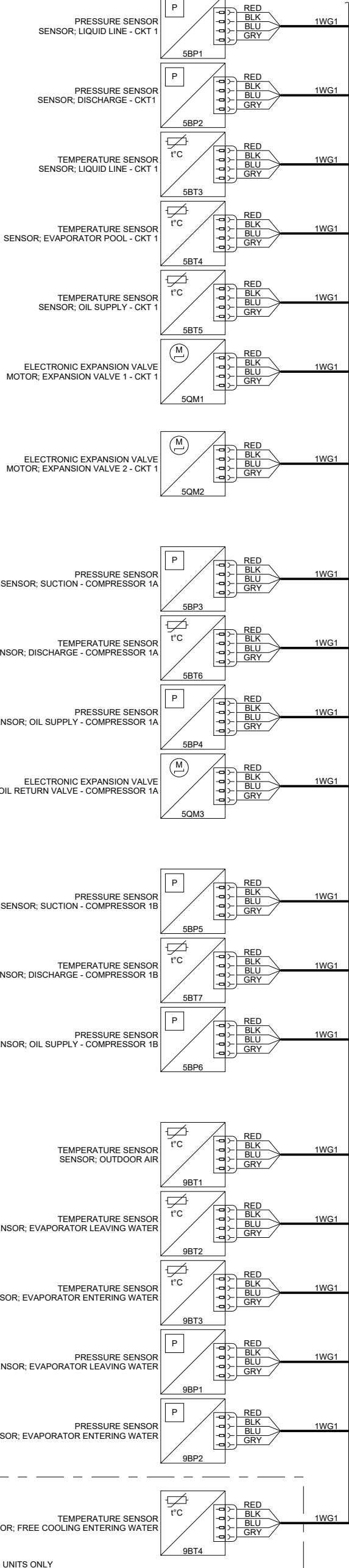
GLOBAL BUS CONNECTIONS

REFRIGERANT CIRCUIT 1

COMPRESSOR 1A

COMPRESSOR 1B

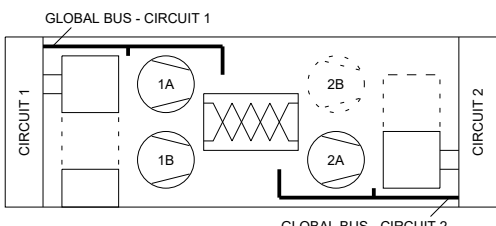
AIR AND WATER



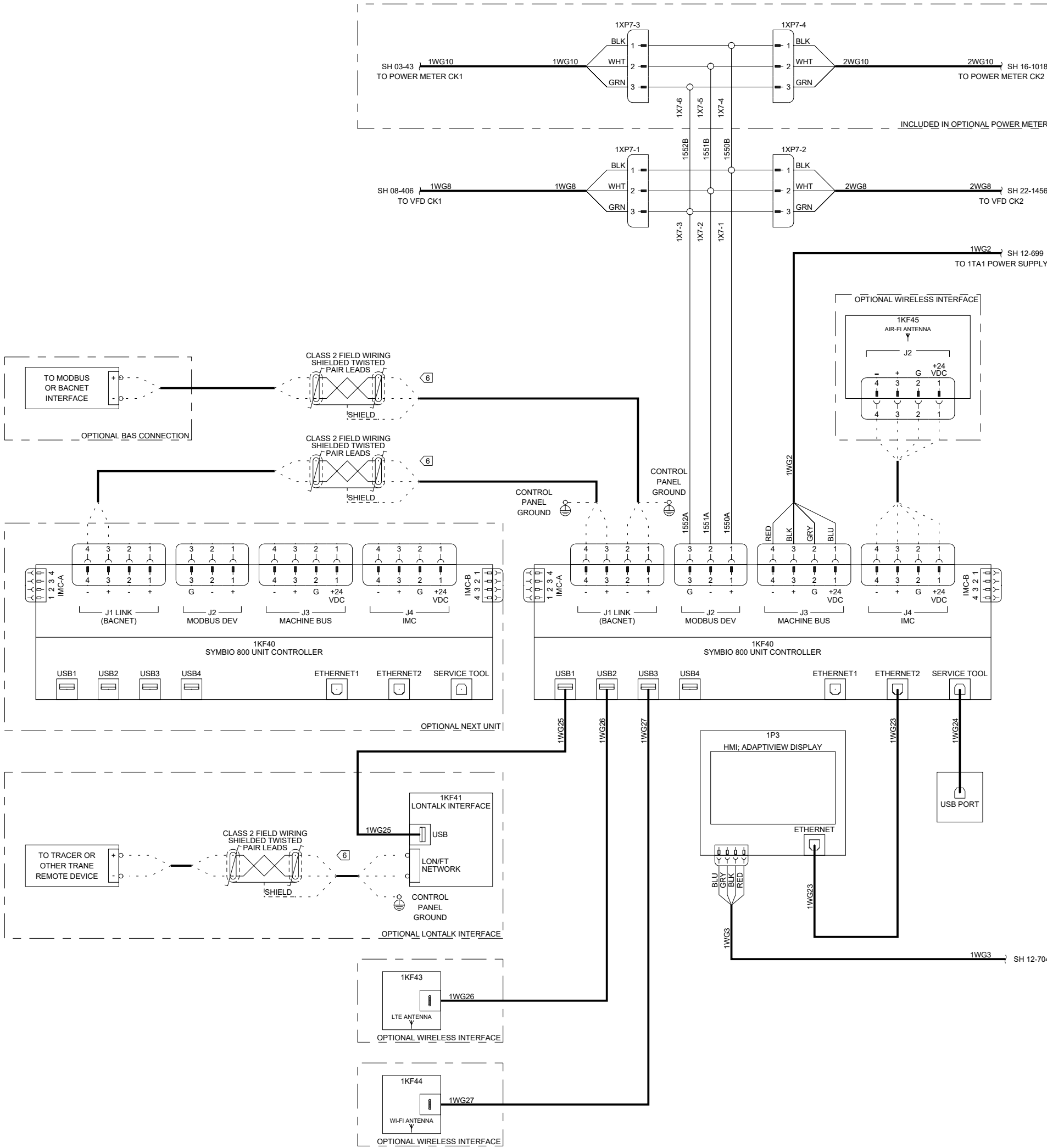
REFRIGERANT CIRCUIT 2

COMPRESSOR 2A

COMPRESSOR 2B



4 GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.



6 SHIELDED, TWISTED PAIR LEADS ARE REQUIRED FOR CONNECTIONS TO THE COMMUNICATIONS INTERFACE MODULES. THE SHIELD SHOULD ONLY BE GROUNDED AT THE UNIT CONTROL PANEL END. REFER TO INTEGRATION, SYMBIO 800, AND BUILDING AUTOMATION SYSTEM (BAS) COMMUNICATION INSTALLATION LITERATURE FOR MORE DETAILS.

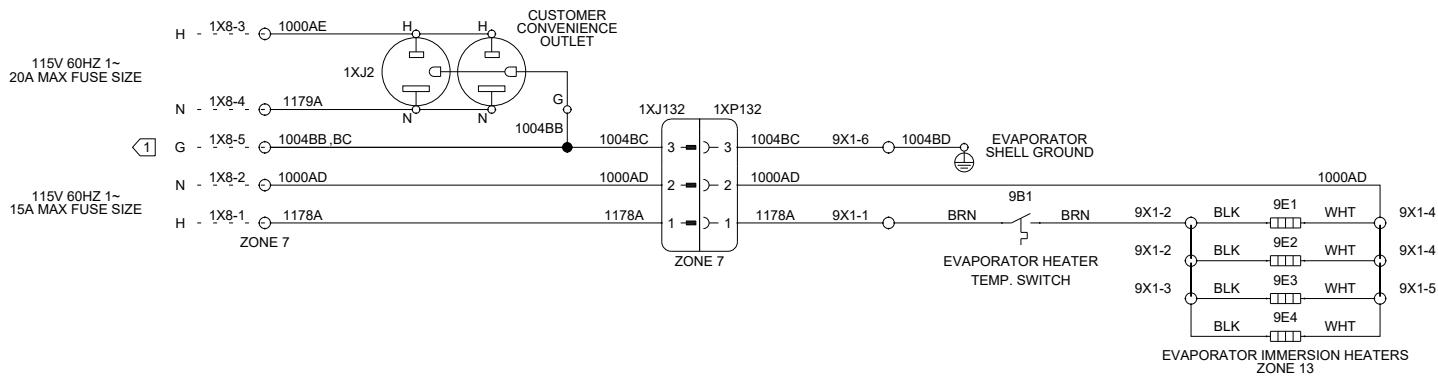
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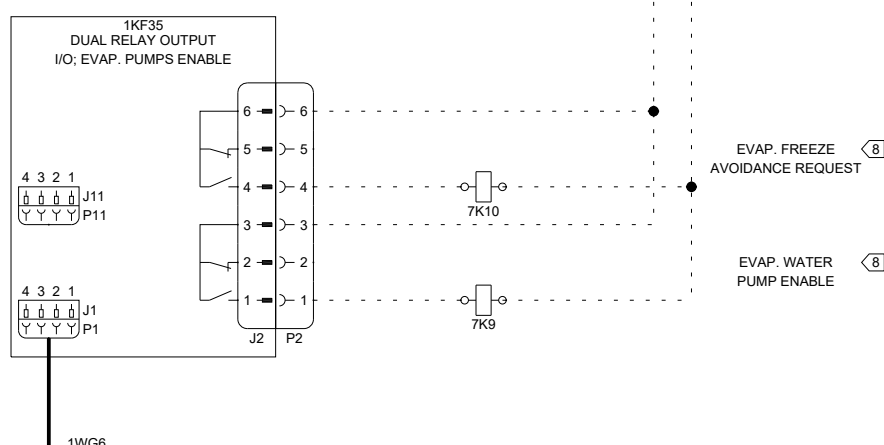
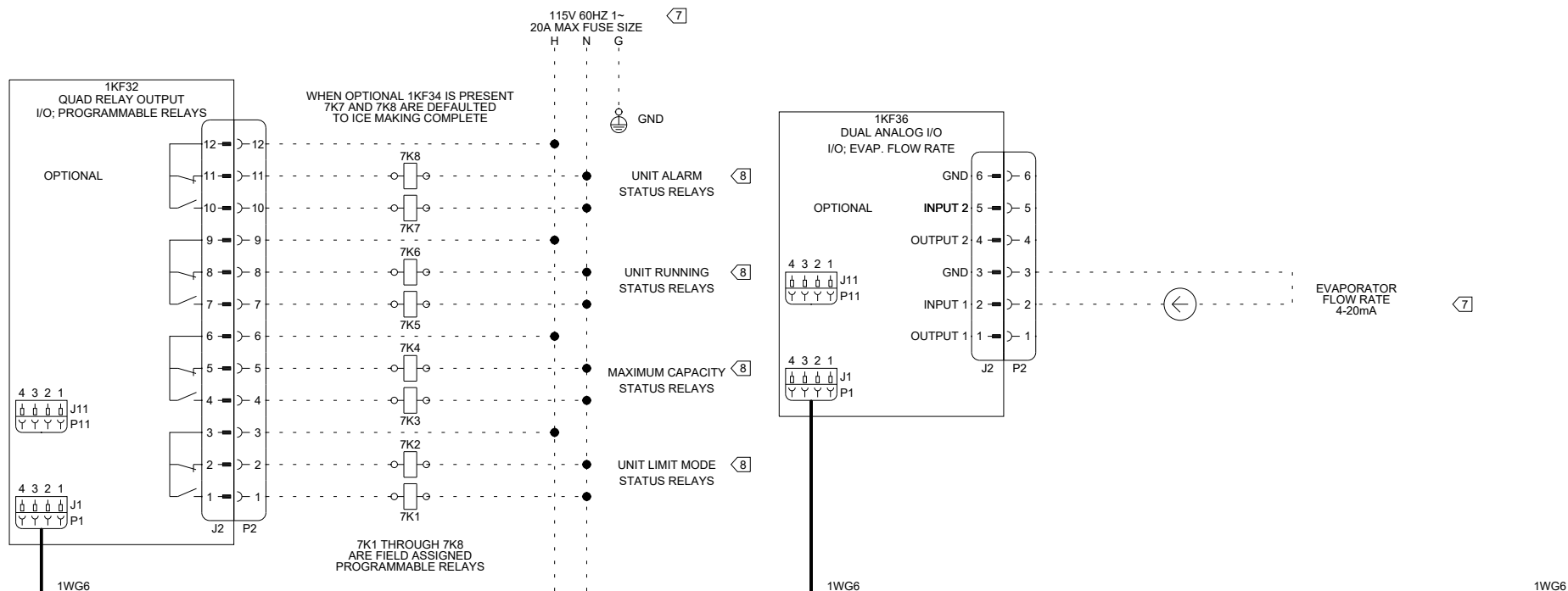
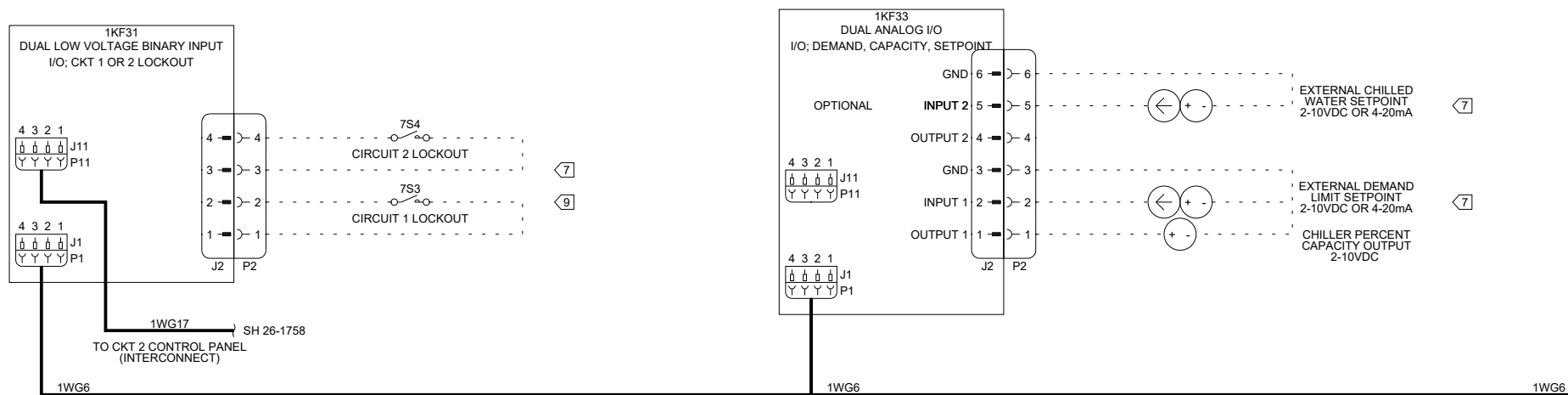
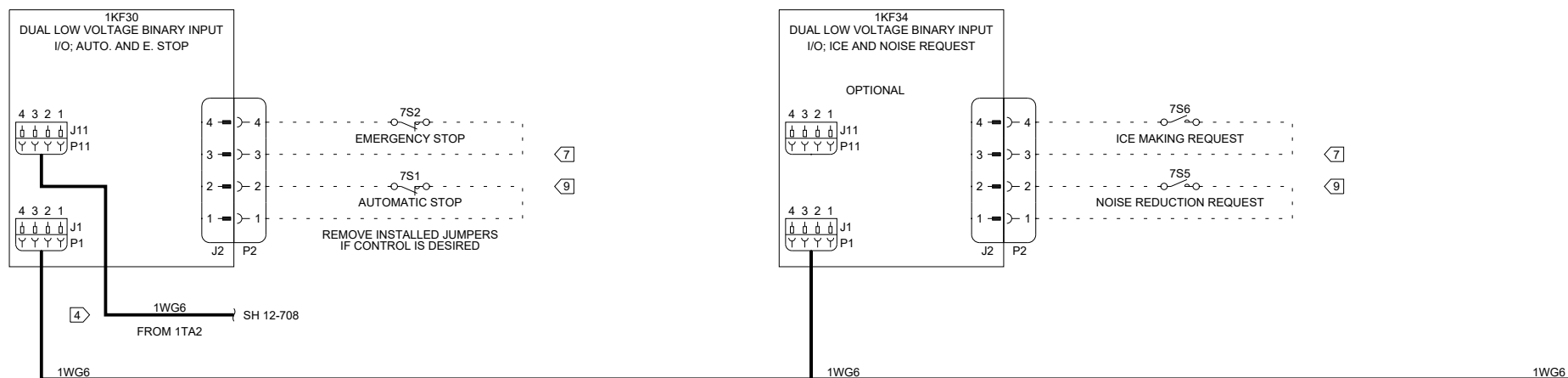
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DIAGRAM SCHEMATIC WIRING	
SYMBIO 800 CONNECTIONS	
ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)	
23115990	REV A
SHEET 30 OF 31	



OPTIONAL CONVENIENCE OUTLET AND EVAPORATOR HEATER FIELD CONNECTIONS
CUSTOMER I/O LLD CONNECTIONS



- ① CLASS 1 FIELD WIRING INSULATION RATING IS REQUIRED TO BE EQUAL TO OR GREATER THAN THE EQUIPMENT SUPPLY VOLTAGE RATING AND 90°C TEMPERATURE INSULATION RATING. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT BREAKER CAPACITY AND MAXIMUM OVERCURRENT PROTECTION. PROVIDE EQUIPMENT GROUND CONDUCTOR(S), DEPENDING ON CONFIGURATION, EQUIPMENT MAY HAVE SINGLE OR DUAL POINT POWER CONNECTIONS. REFER TO EQUIPMENT SUBMITTAL FOR ACCEPTABLE WIRE RANGE AT CONNECTION POINT(S).
- ④ GLOBAL BUS CONNECTIONS ARE NOT NECESSARILY IN THE ORDER DEPICTED.
- ⑦ CLASS 2 FIELD WIRING INSULATION IS REQUIRED TO BE RATED AT 300V MINIMUM. UNLESS OTHERWISE NOTED, ALL CUSTOMER CONTROLS WIRING CONNECTIONS ARE MADE TO CIRCUIT BOARD MOUNTED BOX LUGS WITH A WIRE RANGE OF 14 TO 18 AWG.
- ⑧ RELAY CONTACT RATINGS AT 115VAC: 7.2A RESISTIVE, 2.88A PILOT DUTY, OR 1/3 HP. 7.2 FLA. CONTACTS ARE RATED FOR 240VAC, 5A GENERAL PURPOSE DUTY.
- ⑨ CUSTOMER SUPPLIED CONTACTS FOR ALL LOW VOLTAGE CONNECTIONS MUST BE COMPATIBLE WITH DRY CIRCUIT 24VDC FOR A 12mA RESISTIVE LOAD. SILVER OR GOLD PLATED CONTACTS ARE RECOMMENDED.

DRAWN BY: R. WUTTKE	 TRANE®	DIAGRAM SCHEMATIC WIRING FIELD CONNECTIONS; 115VAC/1~ AND 24VDC. CONVENIENCE OUTLET, EVAPORATOR HEATERS, AND I/O ACR 513A - 3 AND 4 COMPRESSOR UNITS (GP4/GP2.5)	
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