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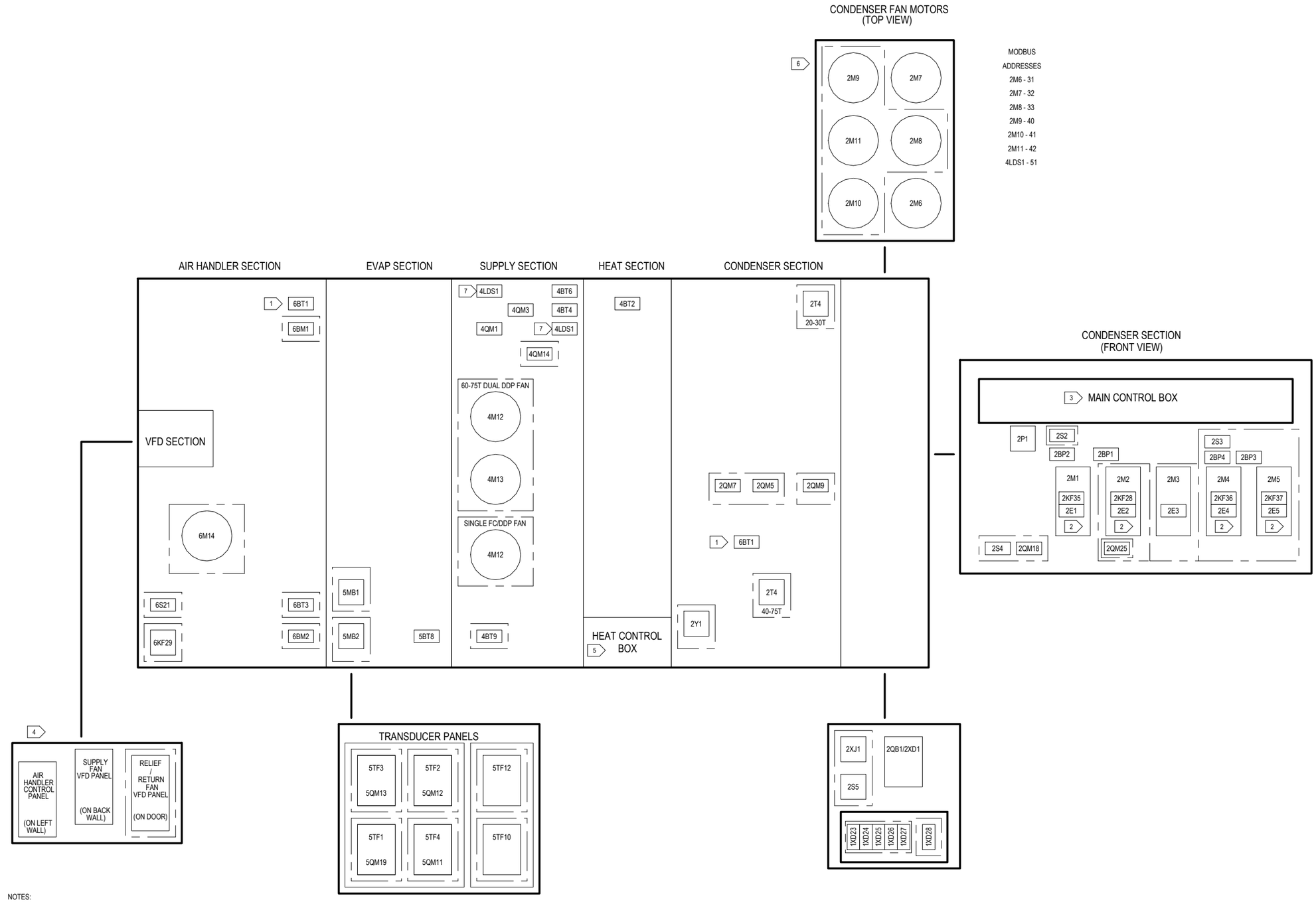

NOTES:

SOME COMPONENTS ARE OPTIONAL AND MAY NOT BE PRESENT. SEE UNIT SCHEMATICS FOR OPTIONAL UNIT CONFIGURATIONS.

1. 6BT1 IS LOCATED IN CONDENSER AREA ON UNITS WITHOUT ECONOMIZER.
2. 2KF28, 2KF35, 2KF36, AND 2KF37 ARE NOT USED ON ALL UNIT CONFIGURATIONS.
3. SEE SHEET 14 FOR MAIN CONTROL BOX LAYOUT
4. SEE SHEET 16 FOR VFD PANEL LAYOUTS
5. SEE SHEET 17 FOR HEAT SECTION LAYOUTS
6. 2M6 AND 2M9 ARE THE LOW AMBIENT CONTROLLED CONDENSER FAN MOTORS
7. 4LDS1 IS LOCATED NEAR THE FAN WALL ON UNITS WITH FC FANS

LEGEND		
REF DES	DESCRIPTION	LINE NO
1XD23	TERMINAL BLOCK - CUSTOMER CONNECTION	769
1XD24	TERMINAL BLOCK - CUSTOMER CONNECTION	769
1XD25	TERMINAL BLOCK - CUSTOMER CONNECTION	769
1XD26	TERMINAL BLOCK - CUSTOMER CONNECTION	769
1XD27	TERMINAL BLOCK - CUSTOMER CONNECTION	769
1XD28	TERMINAL BLOCK - CUSTOMER CONNECTION	769
2BP1	SENSOR - DISCHARGE PRESSURE CIRCUIT #1	747
2BP2	SENSOR - SUCTION PRESSURE CIRCUIT #1	747
2BP3	SENSOR - DISCHARGE PRESSURE CIRCUIT #2	747
2BP4	SENSOR - SUCTION PRESSURE CIRCUIT #2	747
2E1	CRANKCASE HEATER - COMPRESSOR 1A	750
2E2	CRANKCASE HEATER - COMPRESSOR 1B	750
2E3	CRANKCASE HEATER - COMPRESSOR 1C	750
2E4	CRANKCASE HEATER - COMPRESSOR 2A	750
2E5	CRANKCASE HEATER - COMPRESSOR 2B	750
2KF28	MODULE - COMPRESSOR 1B PROTECTION	750
2KF35	MODULE - COMPRESSOR 1A PROTECTION	750
2KF36	MODULE - COMPRESSOR 2A PROTECTION	750
2KF37	MODULE - COMPRESSOR 2B PROTECTION	750
2M1	COMPRESSOR 1A	752
2M2	COMPRESSOR 1B	752
2M3	COMPRESSOR 1C	752
2M4	COMPRESSOR 2A	752
2M5	COMPRESSOR 2B	752
2M6	CONDENSER FAN MOTOR 1A	733
2M7	CONDENSER FAN MOTOR 1B	726
2M8	CONDENSER FAN MOTOR 1C	729
2M9	CONDENSER FAN MOTOR 2A	726
2M10	CONDENSER FAN MOTOR 2B	733
2M11	CONDENSER FAN MOTOR 2C	729
2P1	SENSOR - DISCHARGE PRESSURE CIRCUIT #1	746
2QB1/2XD1	UNIT DISCONNECT	764
2QM5	VALVE - REHEAT	749
2QM7	VALVE - COOLING	749
2QM9	SOLENOID - HOT GAS BYPASS	749
2QM18	SOLENOID - OIL	753
2QM25	COMPRESSOR SOLENOID	753
2S2	SWITCH - HIGH PRESSURE CUTOUT	746
2S3	SWITCH - HIGH PRESSURE CUTOUT	747
2S4	SWITCH - HIGH PRESSURE CUTOUT VSC	753
2S5	FUSED SWITCH - CONVENIENCE OUTLET	766
2T4	TRANSFORMER - CONVENIENCE OUTLET	739
2T4	TRANSFORMER - CONVENIENCE OUTLET	755
2XJ1	CONVENIENCE OUTLET	764
2Y1	ANTENNA, WI-FI	757
4BT2	SENSOR - SUPPLY AIR TEMP	739
4BT4	SENSOR - CIRCUIT #1 EVAP SUCTION TEMP #1	739
4BT6	SENSOR - CIRCUIT #2 EVAP SUCTION TEMP #1	738
4BT9	SENSOR - LEAVING EVAP AIR TEMP COIL #1	758
4LDS1	LEAK DETECTION SENSOR	738
4LDS1	LEAK DETECTION SENSOR	740
4M12	SUPPLY FAN MOTOR #1	745
4M12	SUPPLY FAN MOTOR #1	753
4M13	SUPPLY FAN MOTOR #2	749
4QM1	VALVE - CIRCUIT #1 EXPANSION #1	740
4QM3	VALVE - CIRCUIT #2 EXPANSION #1	739
4QM14	SOLENOID - REHEAT PUMPOUT	742
5BT8	SENSOR - MIXED AIR TEMP	758
5MB1	ACTUATOR - ECONOMIZER #1	755
5MB2	ACTUATOR - RELIEF DAMPER	758
5QM11	SOLENOID - RETURN PRESSURE CALIBRATION	770
5QM12	SOLENOID - SPACE PRESSURE CALIBRATION	767
5QM13	SOLENOID - TRAQ PRESSURE CALIBRATION	767
5QM19	SOLENOID - SUPPLY AIR PRESSURE CALIBRATION	770
5TF1	TRANSDUCER - SUPPLY AIR PRESSURE	769
5TF2	TRANSDUCER - STATITRAC (SPACE PRESSURE)	765
5TF3	TRANSDUCER - TRAQ (OUTDOOR AIRFLOW)	765
5TF4	TRANSDUCER - RETURN PRESSURE	769
5TF10	TRANSDUCER - PRE-EVAP FILTER	769
5TF12	TRANSDUCER - FINAL FILTER	765
6BM1	SENSOR - OUTDOOR AIR HUMIDITY	740
6BM2	SENSOR - RETURN AIR HUMIDITY	758
6BT1	SENSOR - OUTDOOR AIR TEMP	752
6BT1	SENSOR - OUTDOOR AIR TEMP	739
6BT3	SENSOR - RETURN AIR TEMP	756
6KF29	AIR-FI COMM INTERFACE	758
6M14	RELIEF/RETURN FAN MOTOR	752
6S21	SWITCH - RELIEF FAN PROVING	756

SYMBOL LEGEND

TRANE WIRING:	CUSTOMER PROVIDED:	EARTH GROUND:	SPLICE:	MULTIPLE WIRE SYMBOL:	SHIELDED CABLE:
FIELD WIRING:	ALTERNATE/OPTIONS:	EQUIPMENT CHASSIS:	JUNCTION:	TWISTED CONDUCTORS:	LINE BREAK:

TRANE ®

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IPAK 1
COMPONENT LAYOUT
20-75T UNIT DEVICE LOCATIONS

DESIGNER:	ENGINEER:	NUMBER:	TRANE © DATE:	REV	SHEET
C.CATHCART	S.MCKINLEY	12134933	21-MAY-2025	D	13 OF 17