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THIRD ANGLE PROJECTION  
DRAWN  
JORDAN JIANG  
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02-DEC-2020

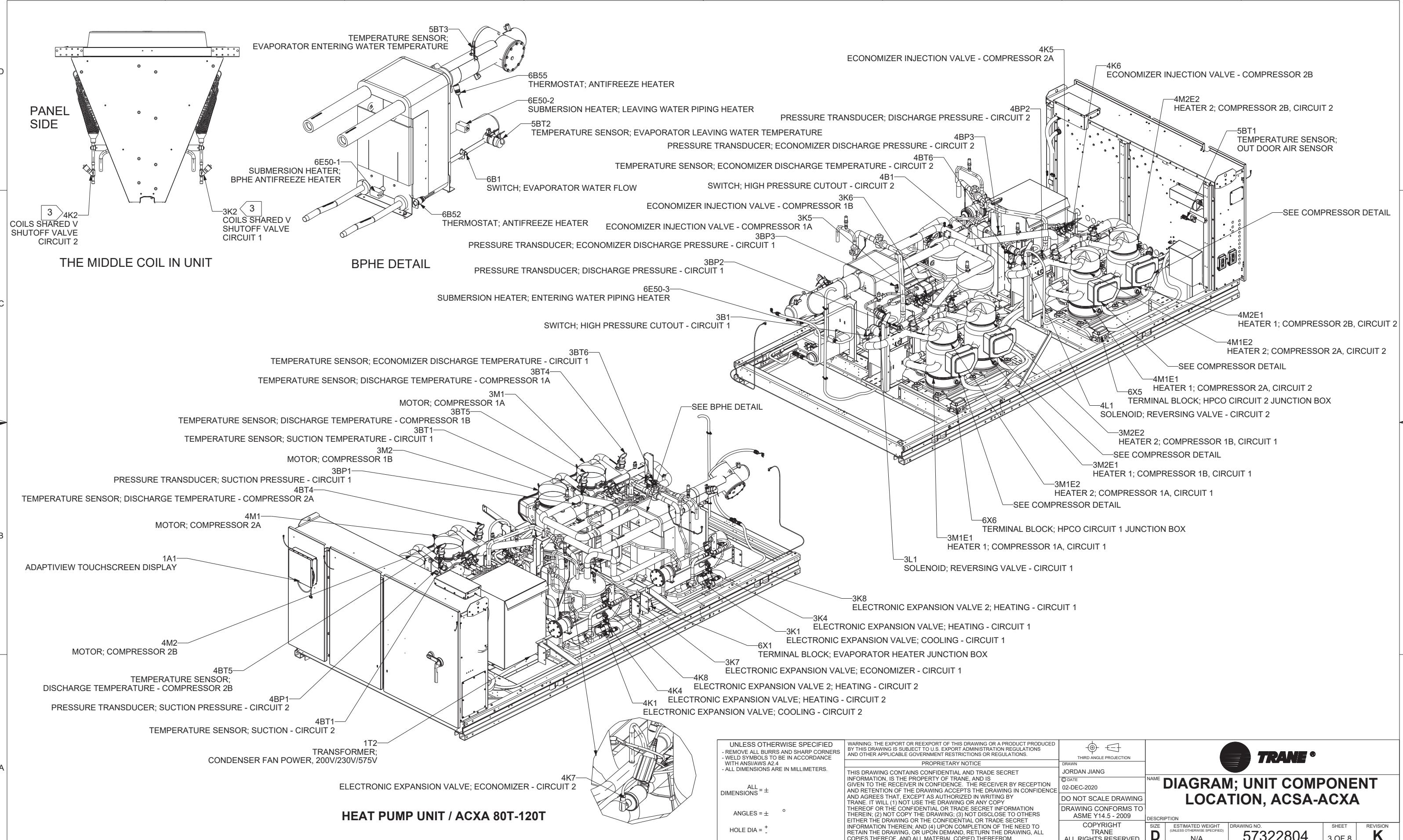
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ED	DESCRIPTION SIZE    ESTIMATED WEIGHT (UNLESS OTHERWISE SPECIFIED)    DRAWING NO.    SHEET    REVISION <b>D</b> N/A    57322804    2 OF 8 <b>K</b>				

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**TRANE**®

## DIAGRAM; UNIT COMPONENT LOCATION, ACSA-ACXA



## HEAT PUMP UNIT / ACXA 80T-120T

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1. *Leucosia* (Leucosia) *leucosia* (L.) (Fig. 1)

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## SECTION, ROCK

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ELECTRONIC PROTECTION MODULE  
3M1A1  
3M2A1  
3M3A1  
4M1A1  
4M2A1  
4M3A1

THERMOSTAT  
3B4  
3B5  
3B6  
4B4  
4B5  
4B6

ELECTRONIC PROTECTION MODULE  
3M1A2  
3M2A2  
3M3A2  
4M1A2  
4M2A2  
4M3A2

40T-200/230V-COMPRESSOR DETAIL  
COMP 1A, COMP 1B & COMP 1C  
COMP 2A, COMP 2B & COMP 2C

ELECTRONIC PROTECTION MODULE  
3M1A1  
3M2A1  
3M3A1  
4M1A1  
4M2A1  
4M3A1

30T-200/230V-COMPRESSOR DETAIL  
COMP 1A, COMP 1B & COMP 1C  
COMP 2A, COMP 2B & COMP 2C

THERMOSTAT  
3B4  
3B5  
3B6  
4B4  
4B5  
4B6

ELECTRONIC PROTECTION MODULE  
3M1A1  
3M2A1  
3M3A1  
4M1A1  
4M2A1  
4M3A1

20/25T &  
30/40T-380/400/460/575V-COMPRESSOR DETAIL  
COMP 1A, COMP 1B & COMP 1C  
COMP 2A, COMP 2B & COMP 2C

THERMOSTAT  
3B4  
3B5  
3B6  
4B4  
4B5  
4B6

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DRAWN  
JORDAN JIANG  
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DESCRIPTION

SIZE

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DRAWING NO.

57322804

SHEET

4 OF 8

REVISION

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DIAGRAM; UNIT COMPONENT  
LOCATION, ACSA-ACXA

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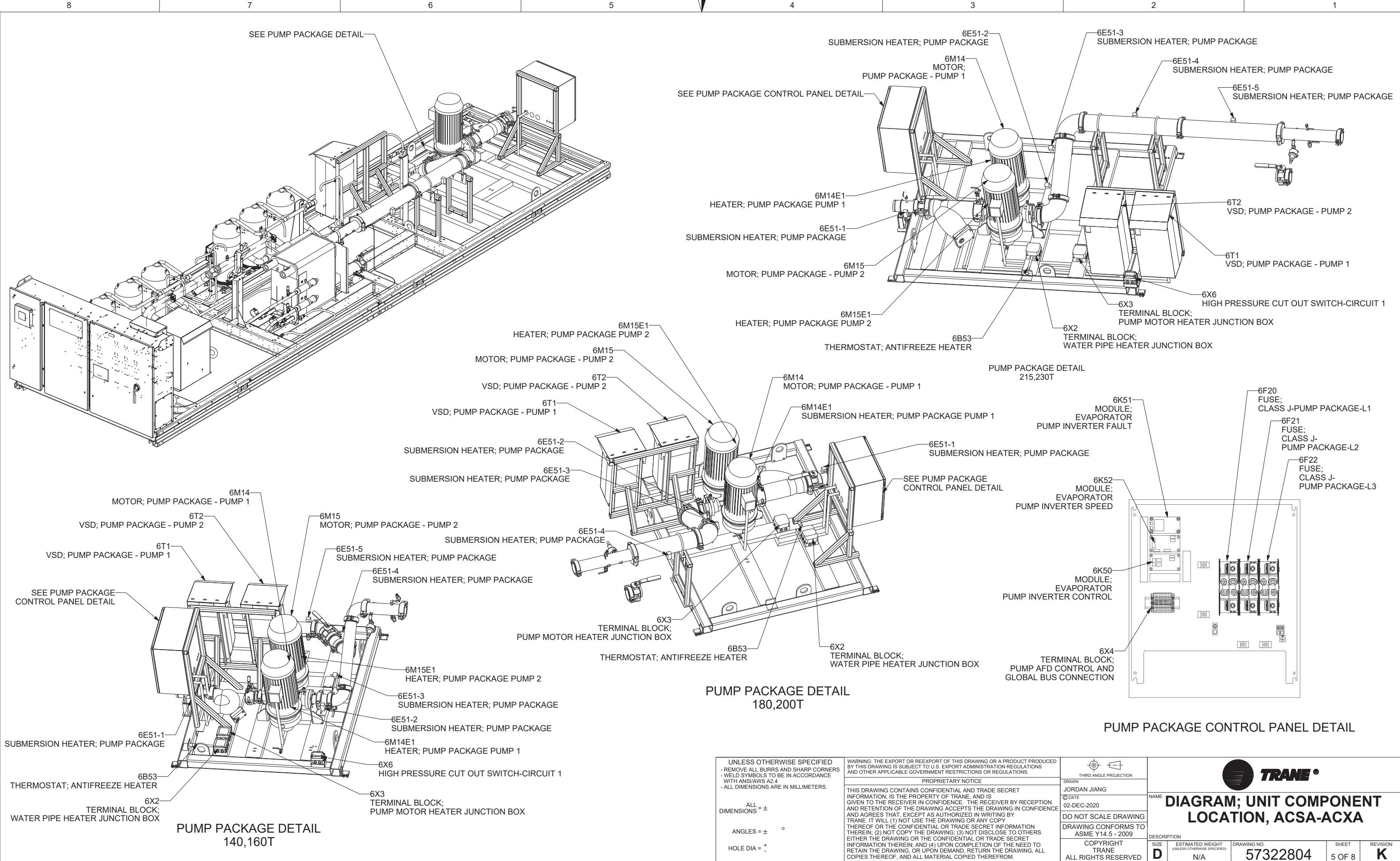
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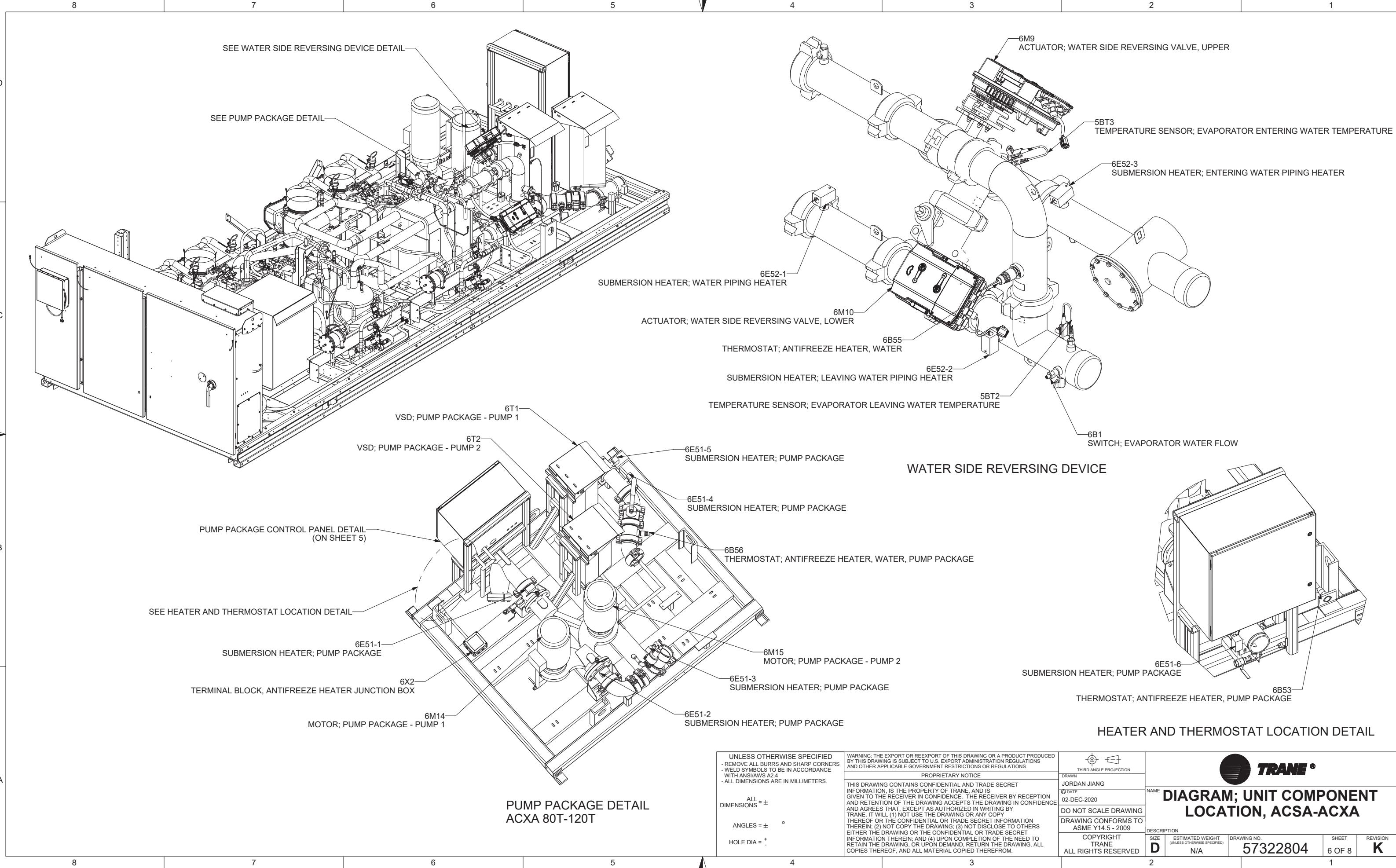
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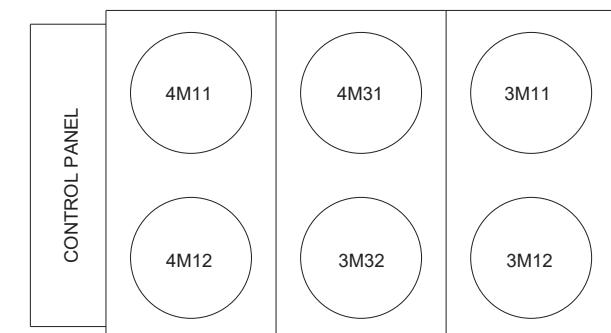
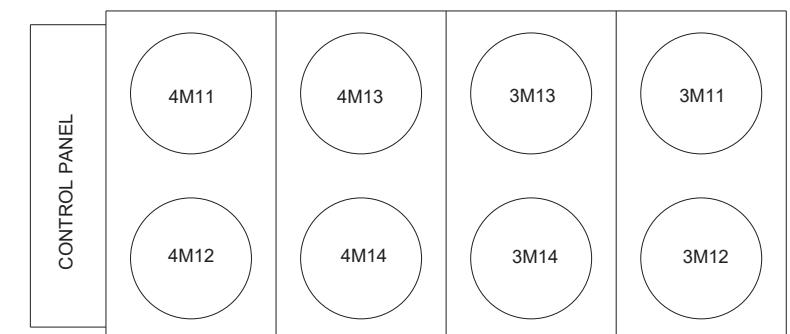
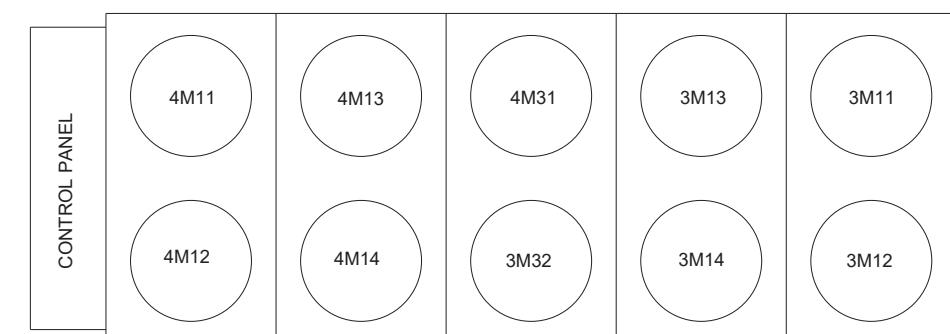
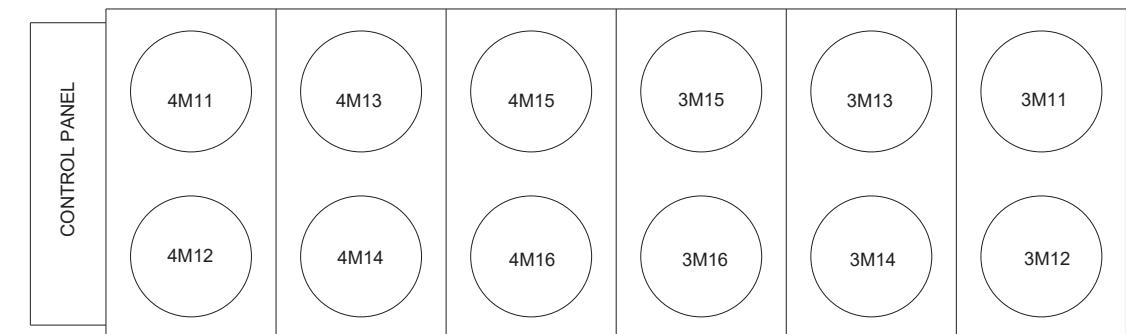
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FAN LAYOUT  
80TFAN LAYOUT  
100T, 120T, 140T, 160TFAN LAYOUT  
180T, 200TFAN LAYOUT  
215T, 230T

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LOCATION, ACSA-ACXA

SIZE D ESTIMATED WEIGHT N/A DRAWING NO. 57322804 SHEET 7 OF 8 REVISION K

DEVICE	DESCRIPTION	DEVICE	DESCRIPTION	DEVICE	DESCRIPTION
1A1	ADAPTIVIEW TOUCHSCREEN DISPLAY	4K2	COILS SHARED V SHUTOFF VALVE - CIRCUIT 2	6F21	FUSE; CLASS J - PUMP PACKAGE - L2
1T2	TRANSFORMER; CONDENSER FAN POWER, 200V/230V/575V	4K3	SUCTION LINE HEAT EXCHANGER VALVE - CIRCUIT 2	6F22	FUSE; CLASS J - PUMP PACKAGE - L3
3B1	SWITCH; HIGH PRESSURE CUTOFF - CIRCUIT 1	4K4	ELECTRONIC EXPANSION VALVE; HEATING - CIRCUIT 2	6K50	MODULE; EVAPORATOR PUMP VSD CONTROL
3B4	THERMOSTAT; COMPRESSOR 1A JUNCTION BOX	4K5	ECONOMIZER INJECTION VALVE - COMPRESSOR 2A	6K51	MODULE; EVAPORATOR PUMP VSD FAULT
3B5	THERMOSTAT; COMPRESSOR 1B JUNCTION BOX	4K6	ECONOMIZER INJECTION VALVE - COMPRESSOR 2B	6K52	MODULE; EVAPORATOR PUMP VSD SPEED CONTROL
3B6	THERMOSTAT; COMPRESSOR 1C JUNCTION BOX	4K7	ELECTRONIC EXPANSION VALVE; ECONOMIZER - CIRCUIT 2	6M10	ACTUATOR; WATER SIDE REVERSING VALVE, LOWER
3BP1	PRESSURE TRANSDUCER; SUCTION PRESSURE - CIRCUIT 1	4K8	ELECTRONIC EXPANSION VALVE 2; HEATING - CIRCUIT 2	6M14	MOTOR; PUMP PACKAGE - PUMP 1
3BP2	PRESSURE TRANSDUCER; DISCHARGE PRESSURE - CIRCUIT 1	4L1	SOLENOID; REVERSING VALVE - CIRCUIT 2	6M14E1	MOTOR HEATER; PUMP PACKAGE - PUMP 1
3BP3	PRESSURE TRANSDUCER; ECONOMIZER DISCHARGE PRESSURE - CIRCUIT 1	4M1	MOTOR; COMPRESSOR 2A	6M15	MOTOR; PUMP PACKAGE - PUMP 2
3BT1	TEMPERATURE SENSOR; SUCTION TEMPERATURE - CIRCUIT 1	4M11	MOTOR; CONDENSER FAN - CIRCUIT 2	6M15E1	MOTOR HEATER; PUMP PACKAGE - PUMP 2
3BT2	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - CIRCUIT 1	4M12	MOTOR; CONDENSER FAN - CIRCUIT 2	6M5	ACTUATOR, MODULATION VALVE PHR BYPASS CIRCUIT 1
3BT3	TEMPERATURE SENSOR; SUCTION LINE HEAT EXCHANGER TEMPERATURE - CIRCUIT 1	4M13	MOTOR; CONDENSER FAN - CIRCUIT 2	6M6	ACTUATOR, MODULATION VALVE PHR CONTROL CIRCUIT 1
3BT4	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - COMPRESSOR 1A	4M14	MOTOR; CONDENSER FAN - CIRCUIT 2	6M7	ACTUATOR, MODULATION VALVE PHR BYPASS CIRCUIT 2
3BT5	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - COMPRESSOR 1B	4M15	MOTOR; CONDENSER FAN - CIRCUIT 2	6M8	ACTUATOR, MODULATION VALVE PHR CONTROL CIRCUIT 2
3BT6	TEMPERATURE SENSOR; ECONOMIZER DISCHARGE TEMPERATURE - CIRCUIT 1	4M16	MOTOR; CONDENSER FAN - CIRCUIT 2	6M9	ACTUATOR; WATER SIDE REVERSING VALVE, UPPER
3K1	ELECTRONIC EXPANSION VALVE; COOLING - CIRCUIT 1	4M1A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2A, CIRCUIT 2	6T1	VSD; PUMP PACKAGE - PUMP 1
3K2	COILS SHARED V SHUTOFF VALVE - CIRCUIT 1	4M1A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2A, CIRCUIT 2	6T2	VSD; PUMP PACKAGE - PUMP 2
3K3	SUCTION LINE HEAT EXCHANGER VALVE - CIRCUIT 1	4M1E1	HEATER 1; COMPRESSOR 2A, CIRCUIT 2	6X1	TERMINAL BLOCK; EVAPORATOR HEATER JUNCTION BOX
3K4	ELECTRONIC EXPANSION VALVE; HEATING - CIRCUIT 1	4M1E2	HEATER 2; COMPRESSOR 2A, CIRCUIT 2	6X2	TERMINAL BLOCK; ANTIFREEZE HEATER JUNCTION BOX
3K5	ECONOMIZER INJECTION VALVE - COMPRESSOR 1A	4M2	MOTOR; COMPRESSOR 2B	6X3	TERMINAL BLOCK; MOTOR HEATER JUNCTION BOX
3K6	ECONOMIZER INJECTION VALVE - COMPRESSOR 1B	4M2A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2B, CIRCUIT 2	6X4	TERMINAL BLOCK; PUMP PACKAGE
3K7	ELECTRONIC EXPANSION VALVE; ECONOMIZER - CIRCUIT 1	4M2A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2B, CIRCUIT 2	6X5	TERMINAL BLOCK; HPCO CIRCUIT 2 JUNCTION BOX
3K8	ELECTRONIC EXPANSION VALVE 2; HEATING - CIRCUIT 1	4M2E1	HEATER 1; COMPRESSOR 2B, CIRCUIT 2	6X6	TERMINAL BLOCK; HPCO CIRCUIT 1 JUNCTION BOX
3L1	SOLENOID; REVERSING VALVE - CIRCUIT 1	4M2E2	HEATER 2; COMPRESSOR 2B, CIRCUIT 2	6X7	TERMINAL BLOCK; PHR HEATER JUNCTION BOX
3M1	MOTOR; COMPRESSOR 1A	4M3	MOTOR; COMPRESSOR 2C		
3M11	MOTOR; CONDENSER FAN - CIRCUIT 1	4M31	MOTOR; CONDENSER FAN - CIRCUIT 2		
3M12	MOTOR; CONDENSER FAN - CIRCUIT 1	4M3A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2C, CIRCUIT 2		
3M13	MOTOR; CONDENSER FAN - CIRCUIT 1	4M3A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 2C, CIRCUIT 2		
3M14	MOTOR; CONDENSER FAN - CIRCUIT 1	4M3E1	HEATER 1; COMPRESSOR 2C, CIRCUIT 2		
3M15	MOTOR; CONDENSER FAN - CIRCUIT 1	4M3E2	HEATER 2; COMPRESSOR 2C, CIRCUIT 2		
3M16	MOTOR; CONDENSER FAN - CIRCUIT 1	5BT1	TEMPERATURE SENSOR; OUT DOOR AIR SENSOR		
3M1A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1A, CIRCUIT 1	5BT2	TEMPERATURE SENSOR; EVAPORATOR LEAVING WATER TEMPERATURE		
3M1A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1A, CIRCUIT 1	5BT3	TEMPERATURE SENSOR; EVAPORATOR ENTERING WATER TEMPERATURE		
3M1E1	HEATER 1; COMPRESSOR 1A, CIRCUIT 1	6B1	SWITCH; EVAPORATOR WATER FLOW		
3M1E2	HEATER 2; COMPRESSOR 1A, CIRCUIT 1	6B2	SWITCH; PHR HIGH WATER TEMPERATURE		
3M2	MOTOR; COMPRESSOR 1B	6B3	SWITCH; PHR WATER FLOW		
3M2A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1B, CIRCUIT 1	6B52	THERMOSTAT; ANTIFREEZE HEATER		
3M2A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1B, CIRCUIT 1	6B53	THERMOSTAT; ANTIFREEZE HEATER, PUMP PACKAGE		
3M2E1	HEATER 1; COMPRESSOR 1B, CIRCUIT 1	6B54	THERMOSTAT; ANTIFREEZE HEATER, PHR		
3M2E2	HEATER 2; COMPRESSOR 1B, CIRCUIT 1	6B55	THERMOSTAT; ANTIFREEZE HEATER, WATER		
3M3	MOTOR; COMPRESSOR 1C	6B56	THERMOSTAT; ANTIFREEZE HEATER, WATER, PUMP PACKAGE		
3M32	MOTOR; CONDENSER FAN - CIRCUIT 1	6BT1	TEMPERATURE SENSOR; PHR ENTERING WATER TEMPERATURE		
3M3A1	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1C, CIRCUIT 1	6BT2	TEMPERATURE SENSOR; PHR LEAVING WATER TEMPERATURE		
3M3A2	ELECTRONIC PROTECTION MODULE, COMPRESSOR 1C, CIRCUIT 1	6E50-1	SUBMERSION HEATER; BPHE ANTIFREEZE HEATER		
3M3E1	HEATER 1; COMPRESSOR 1C, CIRCUIT 1	6E50-2	SUBMERSION HEATER; EVAPORATOR SHELL ANTIFREEZE HEATER		
3M3E2	HEATER 2; COMPRESSOR 1C, CIRCUIT 1	6E50-3	SUBMERSION HEATER; EVAPORATOR SHELL ANTIFREEZE HEATER		
3M41	MOTOR; VENTILATION FAN 1	6E50-4	SUBMERSION HEATER; PHR LEAVING WATER PIPING HEATER		
4B1	SWITCH; HIGH PRESSURE CUTOFF - CIRCUIT 2	6E50-5	SUBMERSION HEATER; PHR LEAVING WATER PIPING HEATER		
4B4	THERMOSTAT; COMPRESSOR 2A JUNCTION BOX	6E50-6	SUBMERSION HEATER; PHR ENTERING WATER PIPING HEATER		
4B5	THERMOSTAT; COMPRESSOR 2B JUNCTION BOX	6E50-7	SUBMERSION HEATER; PHR ENTERING WATER PIPING HEATER		
4B6	THERMOSTAT; COMPRESSOR 2C JUNCTION BOX	6E50-8	SUBMERSION HEATER; PHR BP HEATER		
4BP1	PRESSURE TRANSDUCER; SUCTION PRESSURE - CIRCUIT 2	6E51-1	SUBMERSION HEATER; PUMP PACKAGE		
4BP2	PRESSURE TRANSDUCER; DISCHARGE PRESSURE - CIRCUIT 2	6E51-2	SUBMERSION HEATER; PUMP PACKAGE		
4BP3	PRESSURE TRANSDUCER; ECONOMIZER DISCHARGE PRESSURE - CIRCUIT 2	6E51-3	SUBMERSION HEATER; PUMP PACKAGE		
4BT1	TEMPERATURE SENSOR; SUCTION - CIRCUIT 2	6E51-4	SUBMERSION HEATER; PUMP PACKAGE		
4BT2	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - CIRCUIT 2	6E51-5	SUBMERSION HEATER; PUMP PACKAGE		
4BT3	TEMPERATURE SENSOR; SUCTION LINE HEAT EXCHANGER TEMPERATURE - CIRCUIT 2	6E51-6	SUBMERSION HEATER; PUMP PACKAGE		
4BT4	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - COMPRESSOR 2A	6E52-1	SUBMERSION HEATER; WATER PIPING HEATER		
4BT5	TEMPERATURE SENSOR; DISCHARGE TEMPERATURE - COMPRESSOR 2B	6E52-2	SUBMERSION HEATER; LEAVING WATER PIPING HEATER		
4BT6	TEMPERATURE SENSOR; ECONOMIZER DISCHARGE TEMPERATURE - CIRCUIT 2	6E52-3	SUBMERSION HEATER; ENTERING WATER PIPING HEATER		
4K1	ELECTRONIC EXPANSION VALVE; COOLING - CIRCUIT 2	6F20	FUSE; CLASS J - PUMP PACKAGE - L1		

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