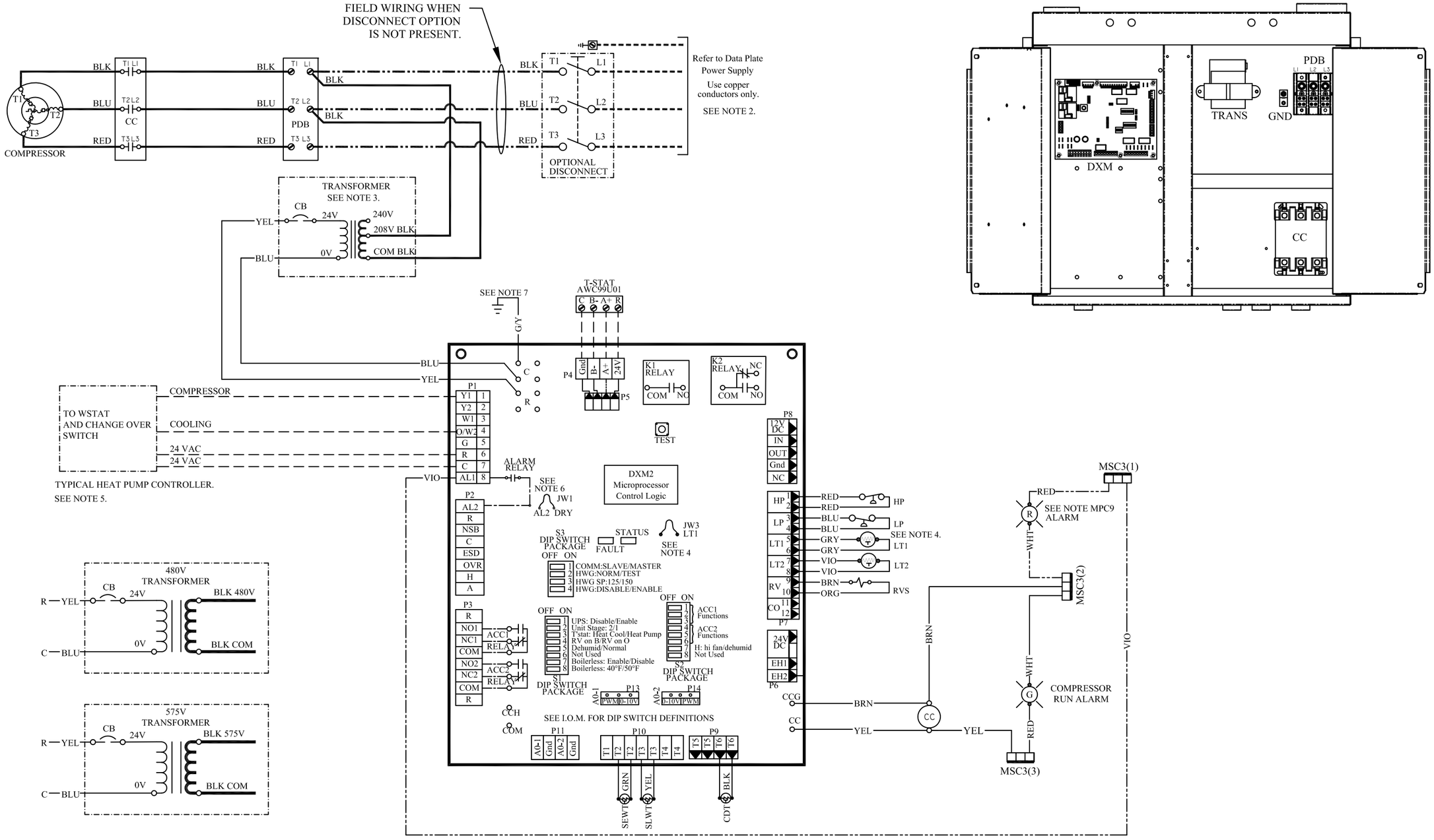
| TITLE: TMW 170 H, F, N DXM2 | PCN 23-0128 | DATE: 03/29/23 | | DRAWING NO. 96B0402N44 | REV A |
|---|---|---|---|---|---|

LEGEND

- Factory Low voltage Wiring
- Factory Line Voltage Wiring
- Field Low voltage Wiring
- Field Line voltage Wiring
- Printed Circuit Trace
- Optional Wiring
- Optional Block
- Capacitor
- Circuit Breaker
- Condensate Pan
- Control Board Jumper
- FUSE
- Ground
- High Pressure Switch
- LED
- Low Pressure Switch
- Mate-N-Lock
- Multi Splice Connector
- Optional
- Overload
- Relay contacts - N.C.
- Relay contacts - N.O.
- Relay / Contactor Coil
- Solenoid Coil
- Splice Cap
- Temperature Switch
- Thermistor
- Wire Nut

| | |
|---|---|
| ACO | Automatic Change Over |
| AL | Alarm Relay Contacts |
| CAP | Capacitor |
| CB | Circuit Breaker |
| CC | Compressor Contactor |
| CDT | Compressor Discharge Temperature |
| CR | Compressor Relay |
| CRC | Compressor Run Capacitor |
| CS | Current Sensor |
| CTS | Cabinet Temperature Sensor |
| DHW | Domestic Hot Water |
| DTS | Discharge Temperature Switch |
| EEV | Electronic Expansion Valve |
| ES | End Switch |
| ETC | Electronic Temperature Control |
| HP | High Pressure Switch |
| HPWS | High Pressure Water Switch |
| JW | Jumper Wire |
| LOR | Lock Out Relay |
| LP | Low Pressure Switch |
| LT1 | Sensor, low temp protection, water coil |
| LT2 | Sensor, low temp protection, air coil |
| MCO | Manual Change Over |
| MOD | Modulating Water Valve |
| MSC | Multi Splice Connector |
| MWV | Motorized Water Valve |
| NLL | Night Low Limit Switch |
| PDB | Power Distribution Block |
| PR | Pump Relay |
| RVS | Reversing Valve Solenoid |
| SAC | Start Assist Capacitor |
| SEWT | Source Entering Water Temp Sensor |
| SLWT | Source Leaving Water Temp Sensor |
| TB | Terminal Block |
| TRANS | Transformer |
| UMT | Unit Mounted Thermostat |
| VSP | Variable Speed Pump |
| WSTAT | Water Stat |

NOTES:

1. Compressor and Blower Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes low voltage wiring shall be Class 2 or equivalent.
3. Field Use Only: Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
4. LT1 provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
5. Typical heat pump thermostat wiring shown. Refer to thermostat IOM for wiring to the unit. T-Stat wiring must be "Class 1" and voltage rating equal to or greater than unit supply voltage.
6. 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXM Gen2 or JW4 DXM.
7. Transformer Secondary Ground via control board standoffs and/or Common to Control Box.

MPC9. When MPC is used, refer to AUX. MPC WD for RED LED wiring