

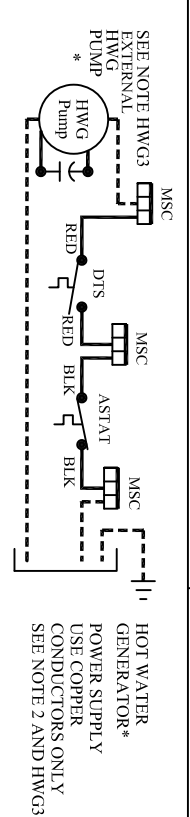
**LEGEND**

- 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
- Ground
- High Pressure Switch
- LED
- Low Pressure Switch
- Mate-N-Lock
- Multi Splice Connector
- Optional
  - Relay contacts - N.C.
  - Relay contacts - N.O.
- Relay / Contactor Coil
- Solenoid Coil
- Splice Cap
- Temperature Switch
- Thermistor
- Wire Nut

- AL Alarm Relay Contacts
- BM Blower Motor
- BMC Blower Motor Capacitor
- BR Blower Relay
- CAP Capacitor
- CB Circuit Breaker
- CC Compressor Contactor
- CO Condensate Overflow Sensor
- CR Compressor Relay
- CTB Common Terminal Block
- CS Current Sensor
- DHW Domestic Hot Water
- DM Damper Motor
- DTS Discharge Temperature Switch
- ES End Switch
- EWTS Entering Water Temp Sensor
- FP1 Sensor, low temp protection, water coil
- FP2 Sensor, low temp protection, air coil
- FSS Fan Speed Switch
- HP High Pressure Switch
- HPWS High Pressure Water Switch
- HR Heating Relay
- JW Jumper Wire
- JWV Jumper Wire
- LAT Leaving Air Temperature
- LOC Loss of Charge Pressure Switch
- LOR Lock Out Relay
- LWTS Leaving Water Temp Sensor
- MOD Modulating Water Valve
- MS Manual Starter
- MSC Multi Splice Connector
- MVW Motorized Water Valve
- PB Power Terminal Block
- PDB Power Distribution Block
- POT Potentiometer
- P1 Field Wiring Terminal Block
- RAS Return Air Sensor
- RVS Reversing Valve Solenoid
- SAC Start Assist Capacitor
- TB Terminal Block
- TRANS Transformer
- TS Terminal Strip
- UMT Unit Mounted Thermostat

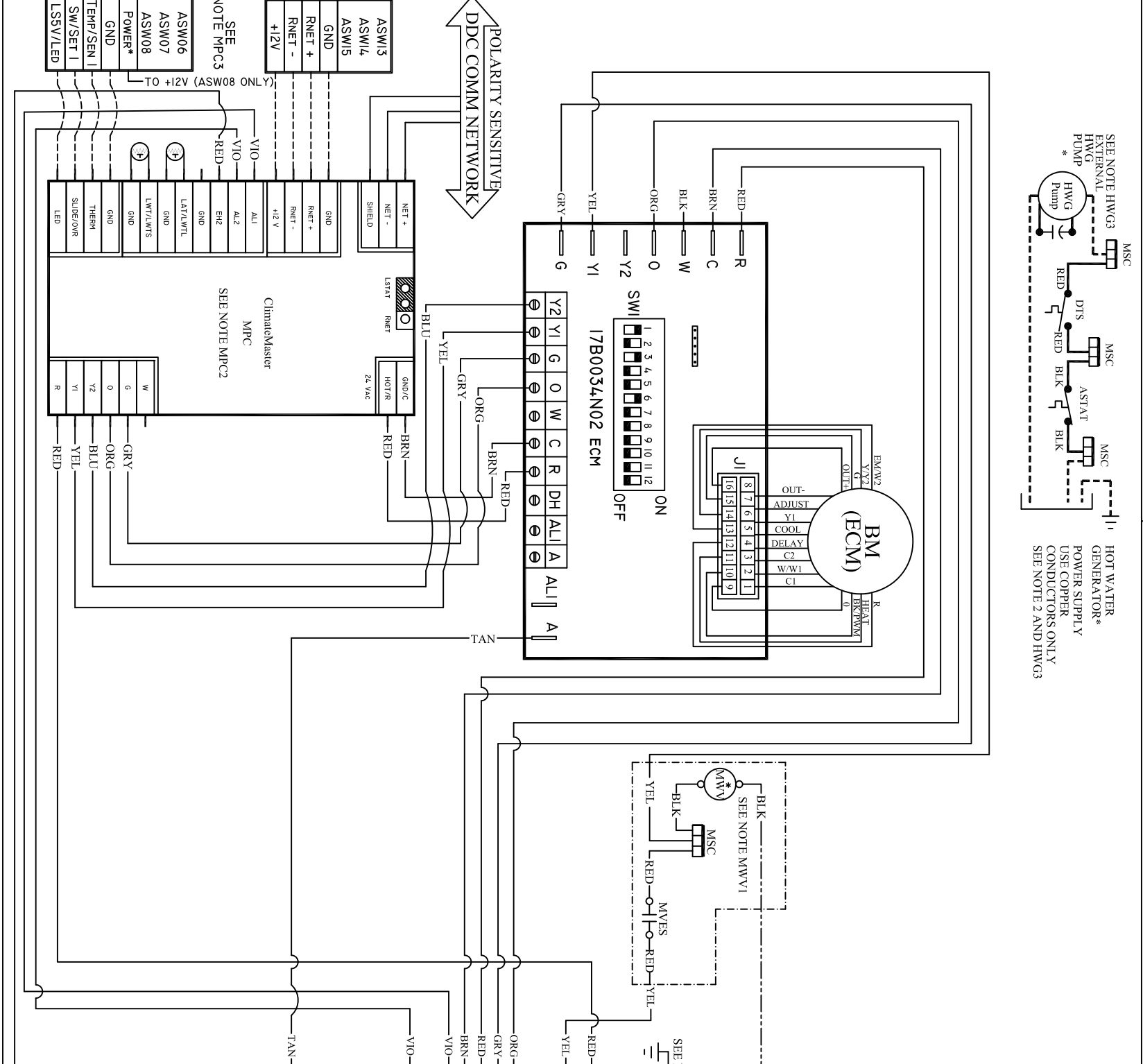
- NOTES:**
- Compressor and Blower Motor thermally protected internally.
  - All wiring to the unit must comply with NEC and local codes low voltage wiring shall be Class 2 or equivalent.
  - Transformer wiring is voltage sensitive. Use the layout corresponding to the unit voltage. For 208/230 volt units, the factory default is 208V. For 308/420V operation the factory default is 380V.
  - FP1 provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut IW3 jumper.
  - 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.

- 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXXM Gen2 or JW4 DXM.
- Transformer Secondary Ground via CXM/DXXM board standoffs and screws to Control Box.
- HWG3 AQUA STAT is supplied with unit and must be wired in series with the hot leg to the pump. Aqua stat is rated for voltage up to 277V.
- MPC1. Factory cut JW1 (CXM) or JW4 (DXM) jumper. Dry Contact will be available between AL1 and AL2.
- MPC2. Refer to MPC Installation application, and Operation Manual For Control Wiring to the unit.
- MPC3. ASW sensors are not required on Water-Water application. ASW06-ASW08 (Water-Air Only) move jumper to LSTAT. ASW13-ASW15 move jumper to Rnet.
- MWV1. Wire from "Y1" on TSTAT/MPC/LON to "Y" on control board when MWV is not used.



SEE NOTE HWG3  
EXTERNAL HWG PUMP

HOT WATER GENERATOR\*  
POWER SUPPLY  
USE COPPER CONDUCTORS ONLY  
SEE NOTE 2 AND HWG3



**ECM BOARD DIP SWITCH SETTINGS**

COOL	HEAT	EH	CEM	ADD	CEM
SPD SW1 SW2	SPD SW3 SW4	SPD SW5 SW6	SPD SW7 SW8	TEST	ON
1 ON	1 ON	1 ON	1 ON	ON	ON
2 ON	2 ON	2 ON	2 ON	OFF	OFF
3 OFF	3 OFF	3 OFF	3 OFF	ON	ON
4 OFF	4 OFF	4 OFF	4 OFF	OFF	OFF
DEHUM	UNUSED	UNUSED	UNUSED	NORM	OFF
SW9 ON	SW10 ON	SW11 ON	SW12 ON	UNUSED	UNUSED
OFF	OFF	OFF	OFF	UNUSED	UNUSED

