TITLE:	PCN:	DATE:	DRAWING NO:	REV:
H/V024-070 208-230/60/3	10-0290	7/2/10	96B0007N01	S

LEGEND

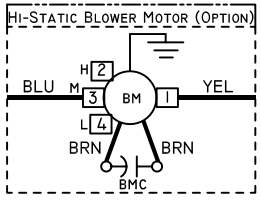
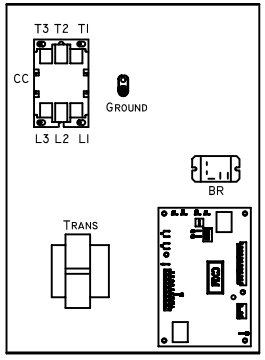
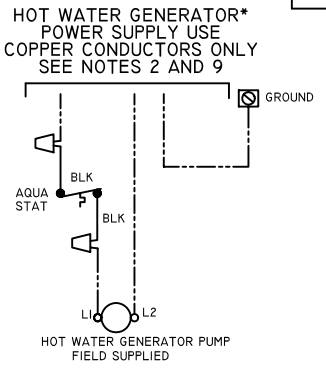
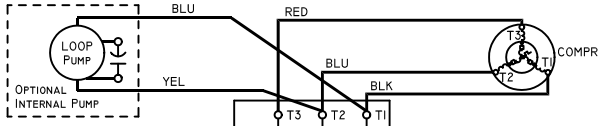
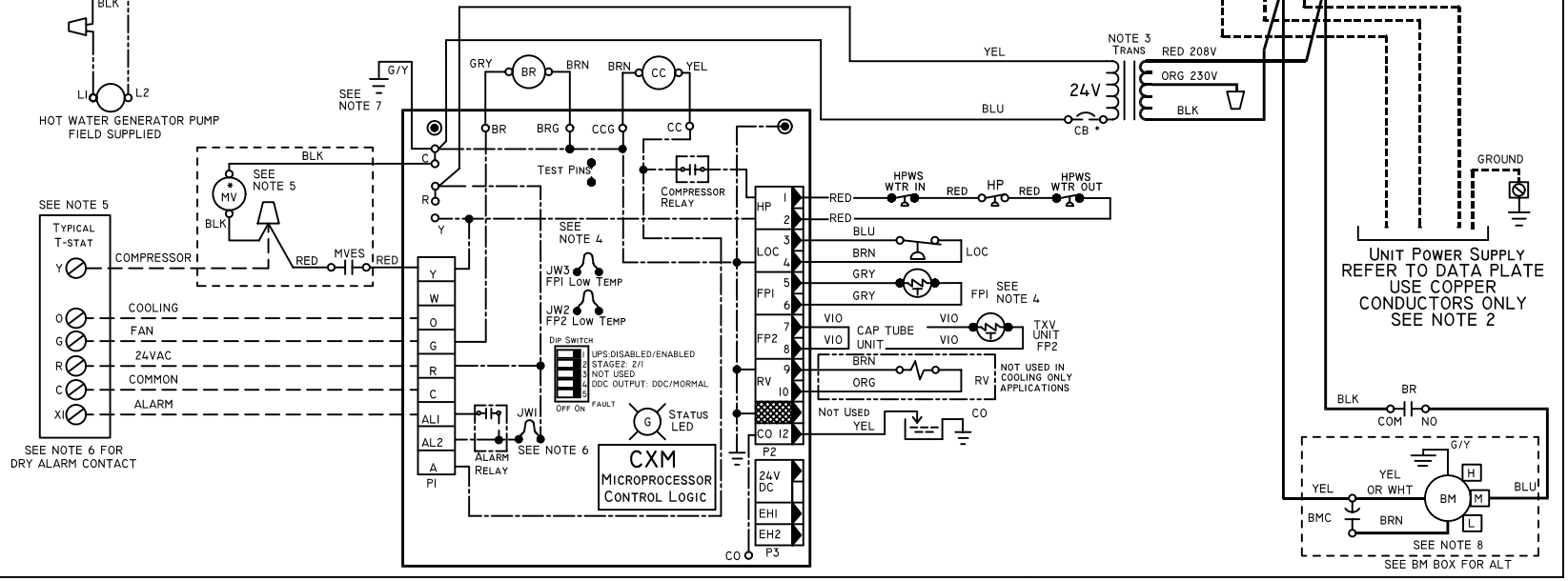
- FACTORY LOW VOLTAGE WIRING
- FACTORY LINE VOLTAGE WIRING
- FIELD LOW VOLTAGE WIRING
- FIELD LINE VOLTAGE WIRING
- OPTIONAL WIRING
- DC VOLTAGE / PCB TRACES
- RELAY / CONTACTOR COIL
- THERMISTOR
- WIRE NUT
- FEILD WIRE LUG
- CIRCUIT BREAKER
- OPTIONAL

- RELAY CONTACTS - N.O.
- RELAY CONTACTS - N.C.
- SOLENOID COIL
- RELAY CONTACTS - N.O.
- SWITCH- HIGH PRESSURE
- SWITCH- LOSS OF CHARGE
- OPTION JUMPER - FIELD CLIPPED
- TEST PINS
- GROUND
- CONDENSATE PAN

AL	ALARM
BM	BLOWER MOTOR
BMC	BLOWER MOTOR CAPACITOR
BR	BLOWER RELAY
CAP	COMPRESSOR CAPACITOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CO	SENSOR CONDENSATE OVERFLOW
FPI	SENSOR, LOW TEMP PROTECTION, WATER COIL
FP2	SENSOR, LOW TEMP PROTECTION, AIR COIL
HP	HIGH PRESSURE SWITCH
HPWS	HIGH PRESSURE WATER SWITCH
HWTS	HIGH LEAVING WATER TEMP SWITCH
JWI	JUMPER ALARM
LOC	LOSS OF CHARGE PRESSURE SWITCH
MV	MOTORIZED VALVE
MVES	MOTORIZED VALVE END SWITCH
PI	FIELD WIRING TERMINAL BLOCK
RV	REVERSING VALVE COIL
SWI	DIP SWITCH , 2 POSITION
TRANS	TRANSFORMER

NOTES:

1. COMPRESSOR AND BLOWER MOTOR THERMALLY PROTECTED INTERNALLY.
2. ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
3. TRANSFORMER IS WIRED 208V (RED) LEAD FOR 208/60/3. FOR 230/60/3 SWITCH RED & ORG LEADS AT LI AND INSULATE RED LEAD. TRANSFORMER IS ENERGY LIMITING OR MAY HAVE CIRCUIT BREAKER.
4. FPI THERMISTOR PROVIDES LOW TEMPERATURE PROTECTION FOR WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER.
5. REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR CONTROL WIRING TO THE UNIT. WIRE "YI" FROM T-STAT TO "YI" DXM WHEN A MOTORIZED VALVE IS NOT USED. T-STAT WIRING MUST BE "CLASS I" AND VOLTAGE RATING EQUAL TO OR GREATER THAN UNIT SUPPLY VOLTAGE.
6. 24V ALARM SIGNAL SHOWN. FOR DRY ALARM CONTACT, CUT JWI JUMPER AND DRY CONTACT WILL BE AVAILABLE BETWEEN ALI AND AL2.
7. TRANSFORMER SECONDARY GROUND VIA GREEN WIRE WITH YELLOW STRIPE FROM "C" TERMINAL TO CONTROL BOX.
8. FAN MOTORS FACTORY WIRED FOR MEDIUM SPEED. FOR HIGH OR LOW SPEED REMOVE BLU WIRE FROM FAN MOTOR SPEED TAP 'M' OR '3' AND CONNECT TO 'H' OR '2' FOR HIGH OR 'L' OR '4' FOR LOW
9. AQUA STAT IS SUPPLIED WITH UNIT AND MUST BE WIRED IN SERIES WITH THE HOT LEG TO THE PUMP. AQUA STAT IS RATED FOR VOLTAGES UP TO 277V.

CXM CONTROLLER FAULT CODES

DESCRIPTION OF OPERATION	LED	ALARM RELAY
NORMAL MODE	ON	OPEN
NORMAL MODE W/ UPS WARNING	ON	CYCLE (CLOSED 5 SEC. OPEN 25 SEC.)
CXM IS NON-FUNCTIONAL	OFF	OPEN
FAULT RETRY	SLOW FLASH	OPEN
LOCKOUT	FAST FLASH	CLOSED
OVER/UNDER VOLTAGE SHUTDOWN	SLOW FLASH	OPEN (CLOSED AFTER 15 MIN.)
TEST MODE-NO FAULT IN MEMORY	FLASHING CODE 1	CYCLING CODE 1
TEST MODE-HP FAULT IN MEMORY	FLASHING CODE 2	CYCLING CODE 2
TEST MODE-LP FAULT IN MEMORY	FLASHING CODE 3	CYCLING CODE 3
TEST MODE-FPI FAULT IN MEMORY	FLASHING CODE 4	CYCLING CODE 4
TEST MODE FP2-FAULT IN MEMORY	FLASHING CODE 5	CYCLING CODE 5
TEST MODE-CO FAULT IN MEMORY	FLASHING CODE 6	CYCLING CODE 6
TEST MODE-OVER/UNDER SHUTDOWN IN MEMORY	FLASHING CODE 7	CYCLING CODE 7
TEST MODE-UPS IN MEMORY	FLASHING CODE 8	CYCLING CODE 8
SWAPPED FPI/FP2 LOCKOUT	FLASHING CODE 9	CYCLING CODE 9