TITLE: H/V 460/60/3 CXM w/ECM, MPC COMMERCIAL	PCN 17-0462	DATE: 11/20/17	DRAWING NO. 96B0230N18	REV C

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
- OVERLOAD
- 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 Contractor
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
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
MWV	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:
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. 208/230V Transformer will be connected for 208V operation. For 230V operation, disconnect RED lead at L1and attach ORG lead to L1. Insulate open end of RED lead. 380/420V Transformer will be connected for 380V operation. For 420V operation, disconnect VIO lead at L1 and attach BRN lead to L1. Insulate open end of VIO lead. 460V Transformer will be connected to (BLK/RED) lead. Transformer will be connected to (GRY) lead.
4. FP1 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. RESERVED
7. Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.

ASW1. ASW sensors are not required on Water-Water application. ASW06-ASW08 (Water-Air only) move jumper to LSTAT, ASW13-ASW15 move jumper to RNET.

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.

ECM BOARD DIP SWITCH SETTINGS

	COOL	CFM
SPD	SW1	SW2
1	ON	ON
2	ON	OFF
3	OFF	ON
4	OFF	OFF

	CFM	HEAT
SPD	SW3	SW4
1	ON	ON
2	ON	OFF
3	OFF	ON
4	OFF	OFF

	EH	CFM
SPD	SW5	SW6
1	ON	ON
2	ON	OFF
3	OFF	ON
4	OFF	OFF

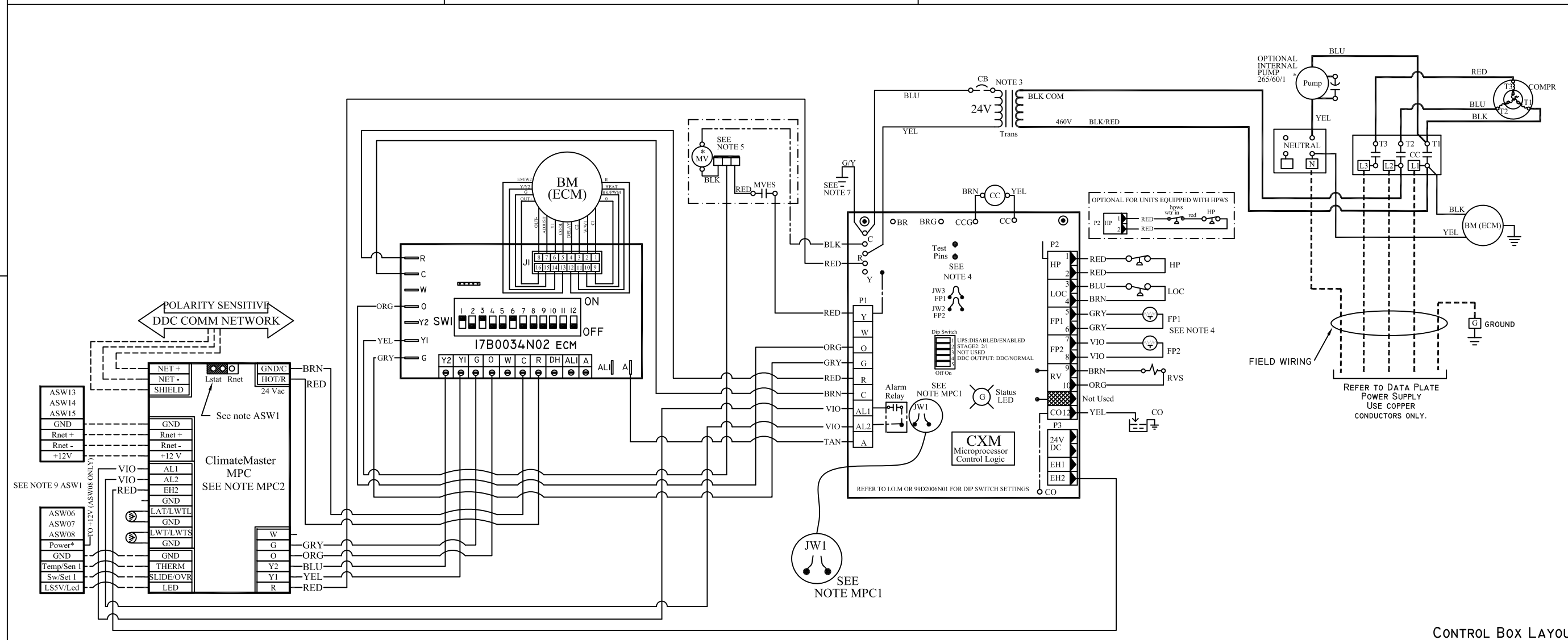
	ADJ	CFM
TEST	SW7	SW8
NORM	ON	ON
	ON	OFF
	OFF	ON
	OFF	OFF

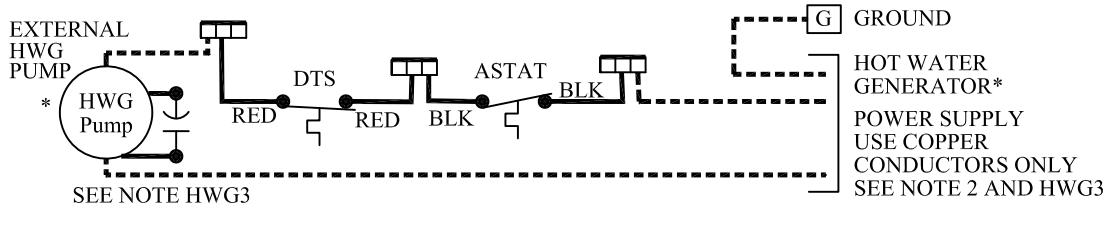
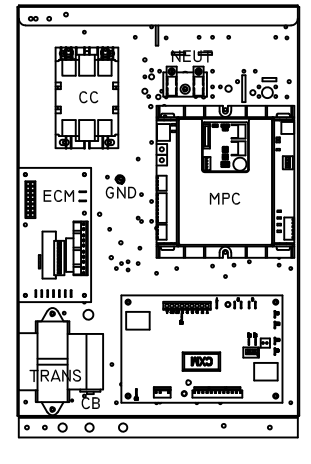
DEHUM	
SW9	
ON	NORM
OFF	DH

UNUSED	
SW10	
ON	
OFF	

UNUSED	
SW11	
ON	
OFF	

UNUSED	
SW12	





CONTROL BOX LAYOUT