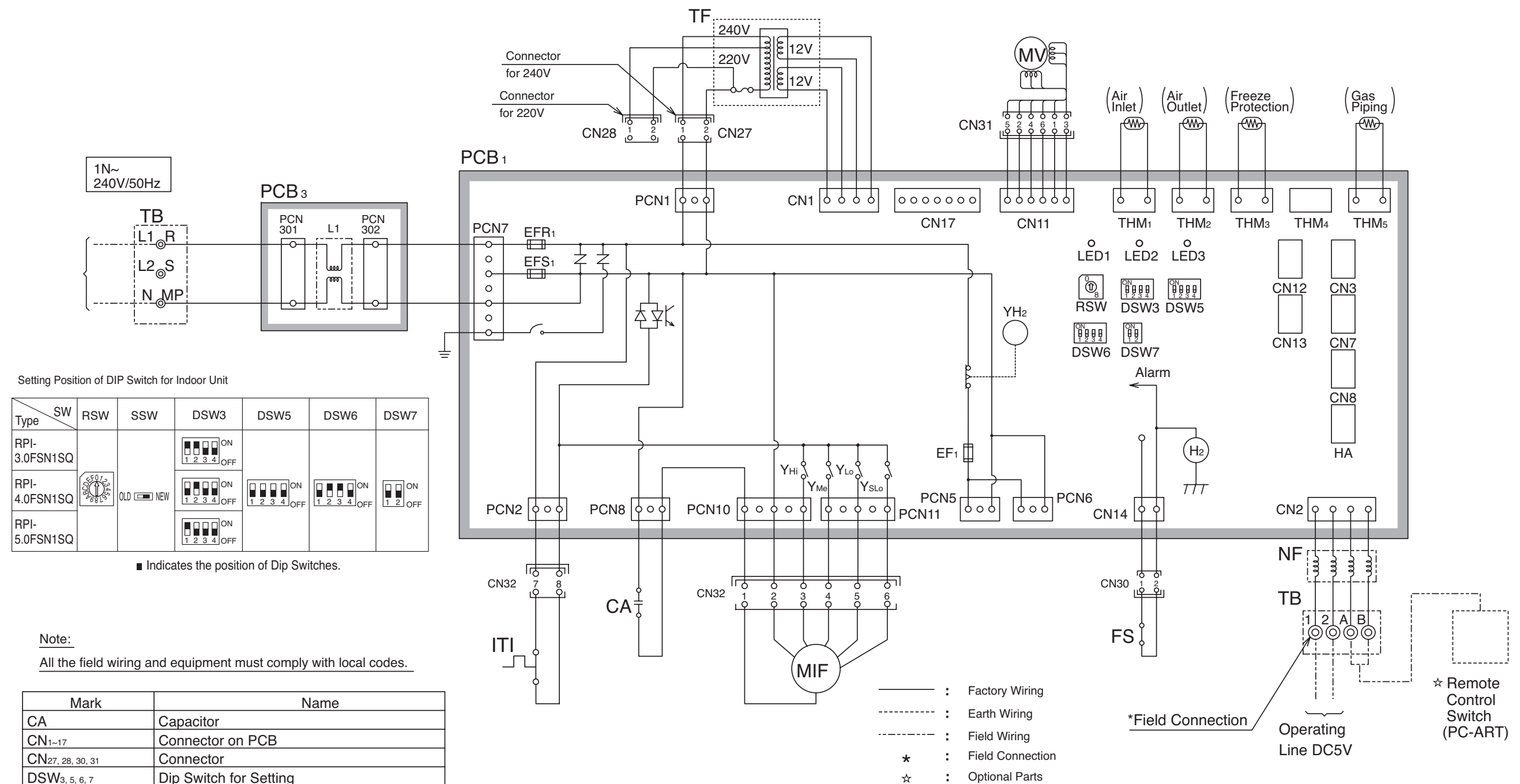


10.7 Electrical Wiring Diagram

ELECTRICAL WIRING DIAGRAM (FOR MODELS: RPI-3.0FSN1SQ, RPI-4.0FSN1SQ AND RPI-5.0FSN1SQ)



Setting Position of DIP Switch for Indoor Unit

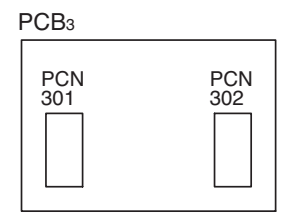
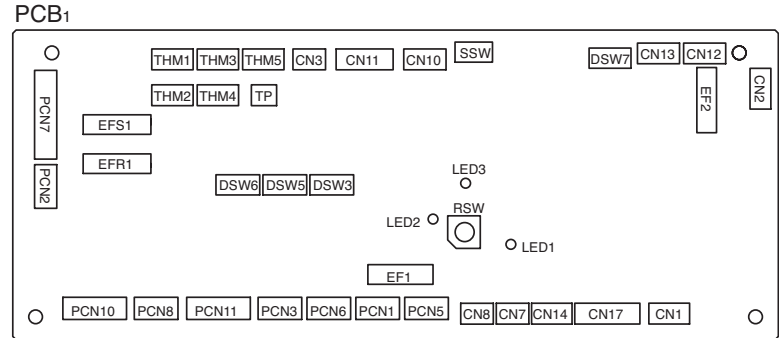
Type	SW	RSW	SSW	DSW3	DSW5	DSW6	DSW7
RPI-3.0FSN1SQ							
RPI-4.0FSN1SQ							
RPI-5.0FSN1SQ							

■ Indicates the position of Dip Switches.

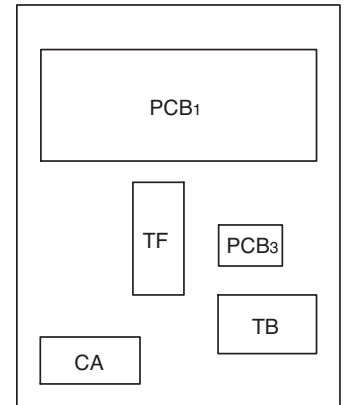
Note:
All the field wiring and equipment must comply with local codes.

Mark	Name
CA	Capacitor
CN1~17	Connector on PCB
CN27, 28, 30, 31	Connector
DSW3, 5, 6, 7	Dip Switch for Setting
EFR1, EFS1, EF1	Fuse
FS	Float Switch
ITI	Internal Thermostat for Indoor Fan Motor
MIF	Motor for Indoor Fan
MV	Micro-Computer Control Expansion Valve
NF	Noise Filter
PCB1, 3	Printed Circuit Board
PCN1~11, 301, 302	Connector on PCB
TB	Terminal Board
TF	Transformer
THM1, 2, 3, 5	Thermistor
YH2	Relay on PCB
⊙	Terminals

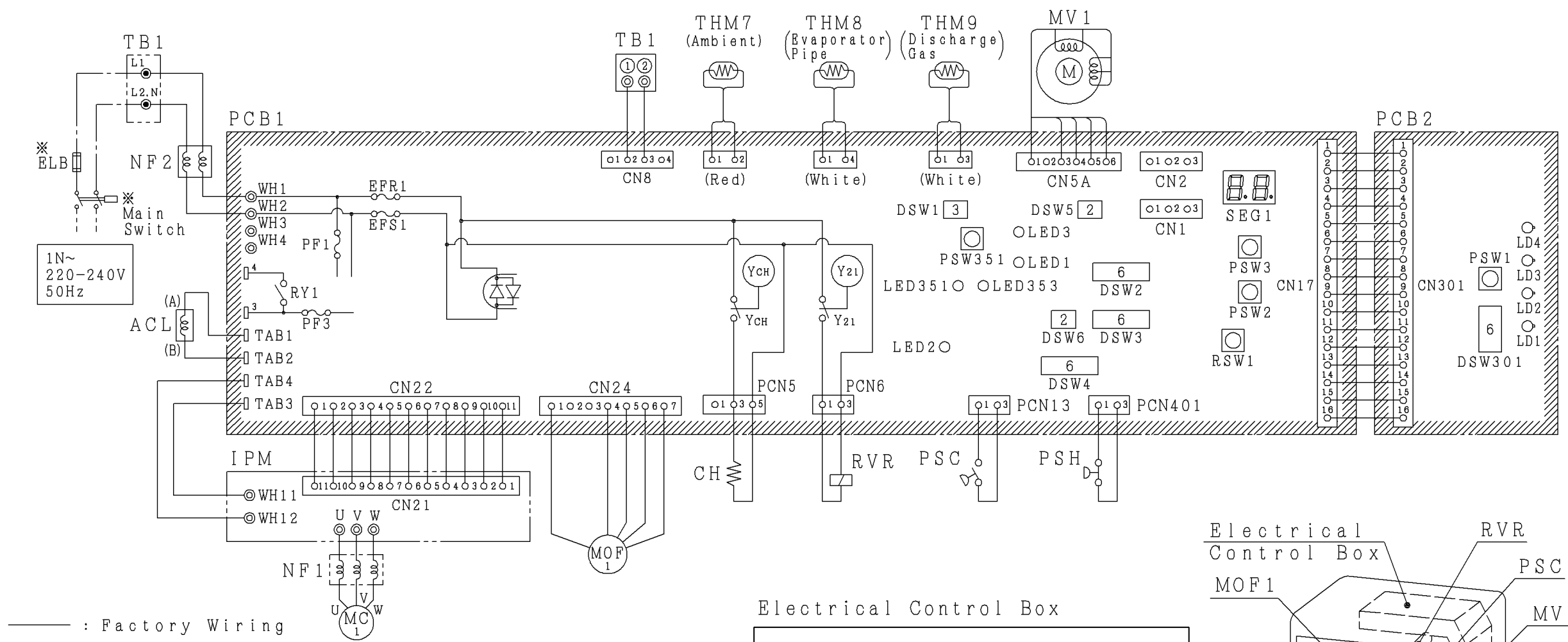
Printed Circuit Board



Electrical Control Box of Indoor Unit



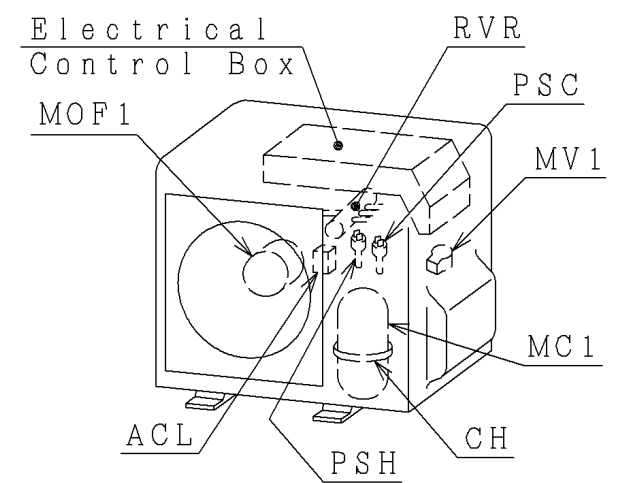
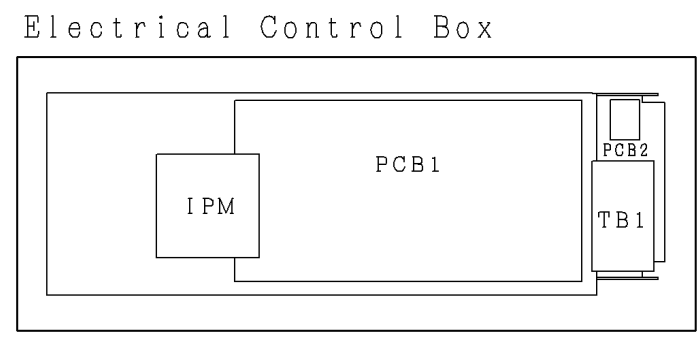
ELECTRICAL WIRING DIAGRAM (FOR MODEL: RAS-3HVRNS)



— : Factory Wiring
 - - - : Earth Wiring
 - · - · : Field Wiring
 * : Field-Supplied

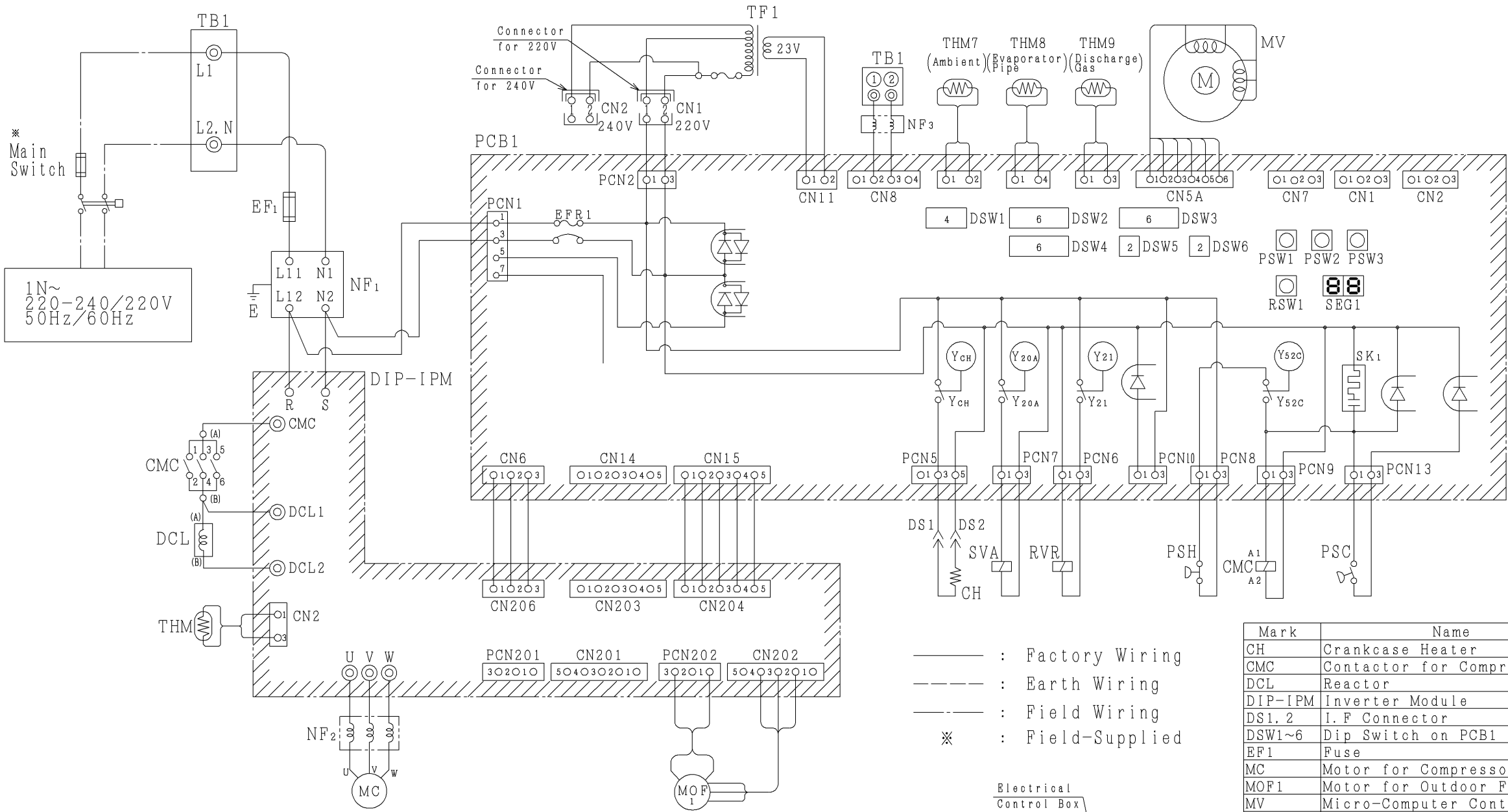
Mark	Name
MC1	Motor for Compressor
MOF1	Motor for Outdoor Fan
RVR	Reversing Valve Relay
EFR1, EFS1 PF1, 3	Fuse on PCB
MV1	Micro-Computer Control Expansion Valve
TB1	Terminal Board
PCB1, 2	Printed Circuit Board
THM7~9	Thermistor
PSH	High Pressure Switch for Protection
PSC	Pressure Switch for Control

Mark	Name
CH	Crankcase Heater
ACL	Reactor
IPM	Inverter System Power Module
NF1, 2	Noise Filter
PSW1~3, 351 DSW1~6, 301 RSW1	Setting Switch on PCB
SEG1	Indication Lamp for 7-Segment
LED1~3 LED351, 353 LD1~4	Indication Lamp



Note:
 1. All the field wiring and equipment must comply with local codes.

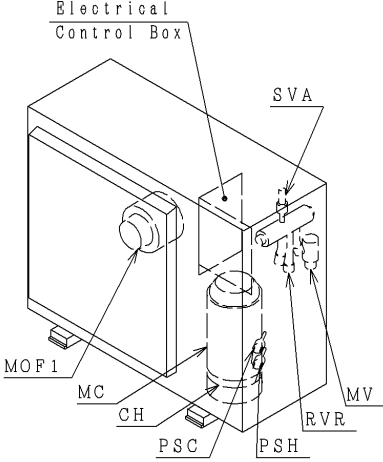
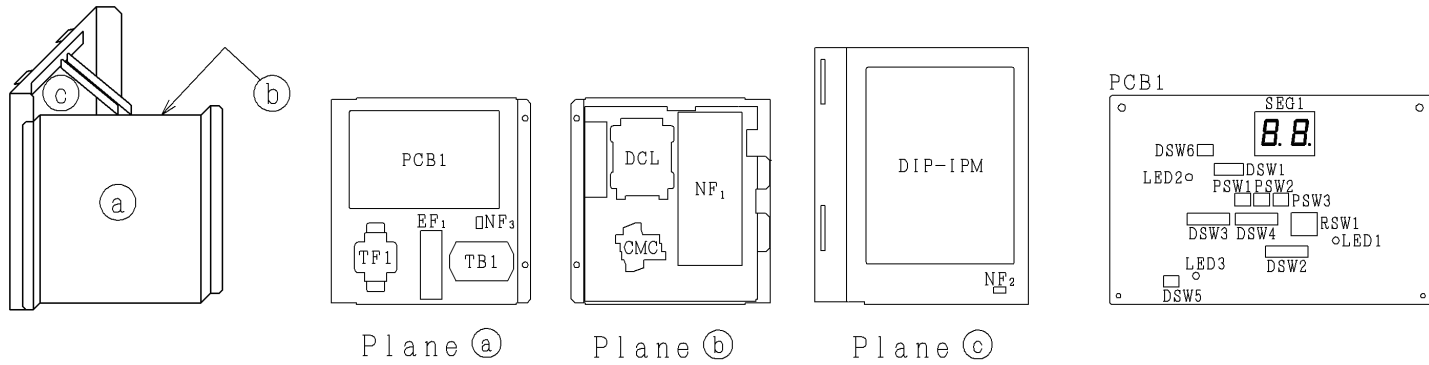
ELECTRICAL WIRING DIAGRAM (FOR MODEL: RAS-4HVRNS AND RAS-5HVRNS)



— : Factory Wiring
 - - - : Earth Wiring
 - · - · : Field Wiring
 * : Field-Supplied

Mark	Name
CH	Crankcase Heater
CMC	Contactor for Compressor Motor
DCL	Reactor
DIP-IPM	Inverter Module
DS1, 2	I. F Connector
DSW1~6	Dip Switch on PCB1
EF1	Fuse
MC	Motor for Compressor
MOF1	Motor for Outdoor Fan
MV	Micro-Computer Control Expansion Valve
NF1, 2, 3	Noise Filter
PCB1	Printed Circuit Board
PSC	Pressure Switch for Control
PSH	High Pressure Switch for Protection
PSW1~3	Push Switch on PCB1
RSW1	Rotary Switch
RVR	Reversing Valve Relay
SVA	Solenoid Valve
TB1, 2	Terminal Board
TF1	Transformer
THM7~9	Thermistor

Electrical Control Box



Note:
 1. All the field wiring and equipment must comply with local codes