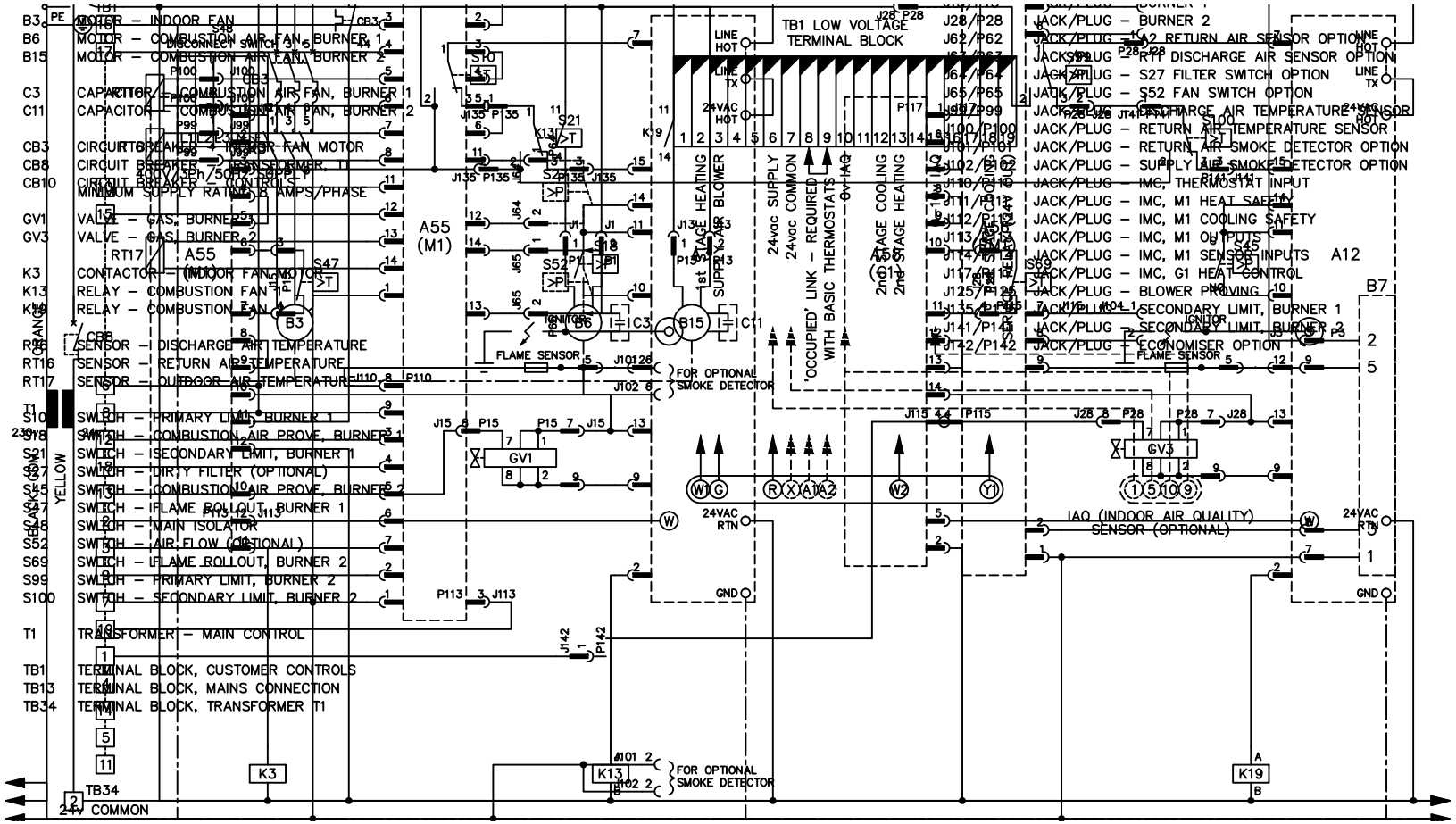

B3 MOTOR – INDOOR FAN
B6 MOTOR – COMBUSTION AIR FAN, BURNER 1
B15 MOTOR – COMBUSTION AIR FAN, BURNER 2
C3 CAPACITOR – COMBUSTION AIR FAN, BURNER 1
C11 CAPACITOR – COMBUSTION AIR FAN, BURNER 2
CB3 CIRCUIT BREAKER – INDOOR FAN MOTOR
CB8 CIRCUIT BREAKER – TRANSFORMER, T1
CB10 CIRCUIT BREAKER – CONTROLS
MINIMUM SUPPLY RATING, 8 AMPS/PHASE
GV1 VALVE – GAS, BURNER 1
GV3 VALVE – GAS, BURNER 2
K3 CONTACTOR – INDOOR FAN MOTOR
K13 RELAY – COMBUSTION FAN 1
K19 RELAY – COMBUSTION FAN 2
RT16 SENSOR – DISCHARGE AIR TEMPERATURE
RT16 SENSOR – RETURN AIR TEMPERATURE
RT17 SENSOR – OUTDOOR AIR TEMPERATURE
T1
S10 SWITCH – PRIMARY LIMIT, BURNER 1
S18 SWITCH – COMBUSTION AIR PROVE, BURNER 1
S21 SWITCH – SECONDARY LIMIT, BURNER 1
S27 SWITCH – DIRTY FILTER (OPTIONAL)
S45 SWITCH – COMBUSTION AIR PROVE, BURNER 2
S47 SWITCH – FLAME ROLLOUT, BURNER 1
S48 SWITCH – MAIN ISOLATOR
S52 SWITCH – AIR FLOW (OPTIONAL)
S69 SWITCH – FLAME ROLLOUT, BURNER 2
S99 SWITCH – PRIMARY LIMIT, BURNER 2
S100 SWITCH – SECONDARY LIMIT, BURNER 2
T1 TRANSFORMER – MAIN CONTROL
TB1 TERMINAL BLOCK, CUSTOMER CONTROLS
TB13 TERMINAL BLOCK, MAINS CONNECTION
TB34 TERMINAL BLOCK, TRANSFORMER T1
TB1 LOW VOLTAGE TERMINAL BLOCK
1st STAGE HEATING
SUPPLY AIR BLOWER
24vac SUPPLY
24vac COMMON
'OCCUPIED' LINK – REQUIRED WITH BASIC THERMOSTATS
0v IAQ
2nd STAGE COOLING
2nd STAGE HEATING
JACK/PLUG – BURNER 2
JACK/PLUG – A2 RETURN AIR SENSOR OPTION
JACK/PLUG – RT1 DISCHARGE AIR SENSOR OPTION
JACK/PLUG – S27 FILTER SWITCH OPTION
JACK/PLUG – S52 FAN SWITCH OPTION
JACK/PLUG – DISCHARGE AIR TEMPERATURE SENSOR
JACK/PLUG – RETURN AIR TEMPERATURE SENSOR
JACK/PLUG – RETURN AIR SMOKE DETECTOR OPTION
JACK/PLUG – SUPPLY AIR SMOKE DETECTOR OPTION
JACK/PLUG – IMC, THERMOSTAT INPUT
JACK/PLUG – IMC, M1 HEAT SAFETY
JACK/PLUG – IMC, M1 COOLING SAFETY
JACK/PLUG – IMC, M1 OUTPUTS
JACK/PLUG – IMC, M1 SENSOR INPUTS
JACK/PLUG – IMC, G1 HEAT CONTROL
JACK/PLUG – BLOWER PROVING
JACK/PLUG – SECONDARY LIMIT, BURNER 1
JACK/PLUG – SECONDARY LIMIT, BURNER 2
JACK/PLUG – ECONOMISER OPTION
FLAME SENSOR
FOR OPTIONAL SMOKE DETECTOR
IAQ (INDOOR AIR QUALITY) SENSOR (OPTIONAL)
24VAC RTN
GND
24VAC HOT
LINE HOT
LINE TX
24VAC HOT
24VAC RTN
GND
A55 (M1)
A12
B7
B15
C3
C11
GV1
GV3
K3
K13
K19
TB34
24V COMMON
YELLOW