

EXTERNAL ELECTRICAL CONNECTIONS 80044 SIDEKICK GAS FIRED HEATER

CA14913
4-05

NOTE: RUN POWER WIRES AND SENSITIVE WIRES IN SEPARATE CONDUITS.

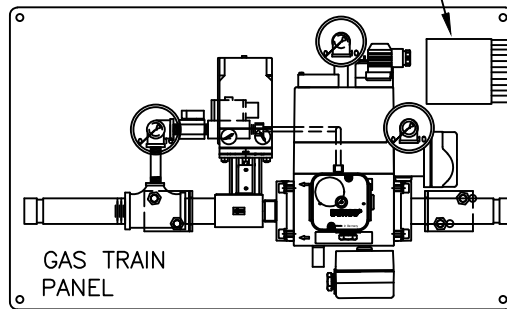
103-120 VAC
50 OR 60 HZ

VAC FROM
FAN START
BUTTON FOR
FAN INTERLOCK
(SEE NOTE A)

POWER WIRES

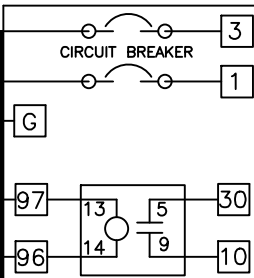
17446-120V
17597-240V
IDEC RELAY
(FIR)

WIRE BY NUMBER
TO TERMINAL BLOCKS

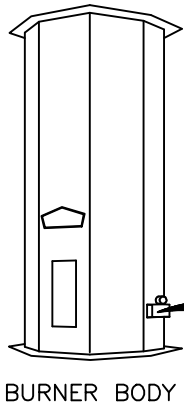


CAN RUN IN
SAME CONDUIT

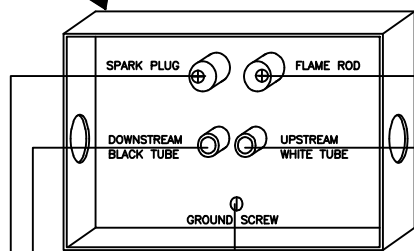
ELECTRICAL
CONTROL PANEL



- G
- 1
- 3
- 6
- 7
- 9
- 18
- 23
- 24
- 25
- 70
- 71
- FA

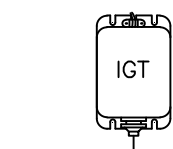
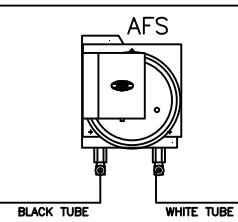


ON BURNER BODY



SEPARATE
CONDUITS

FLAME SIGNAL



A DEDICATED
14 GA GROUND WIRE
MUST BE RUN BETWEEN
BURNER BODY AND
BURNER CONTROL CABINET.

NOTE A: INSTALLING ELECTRICIAN IS RESPONSIBLE FOR CONNECTION OF THE NORMALLY OPEN FAN INTERLOCK (FIR) (FURNISHED) TO THE HEATER FAN(S).

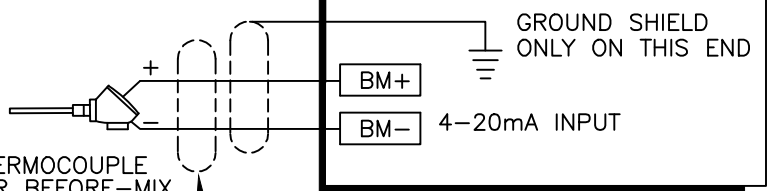
THERMOCOUPLE TEMPERATURE SENSORS

USE ONLY SHIELDED, 2 CONDUCTOR CABLE FURNISHED WITH THE HEATER.

RUN IN SEPARATE CONDUIT FROM POWER WIRES. SEVERAL T/C WIRES MAY BE RUN IN THE SAME CONDUIT WITH OTHER 4-20mA SIGNALS.

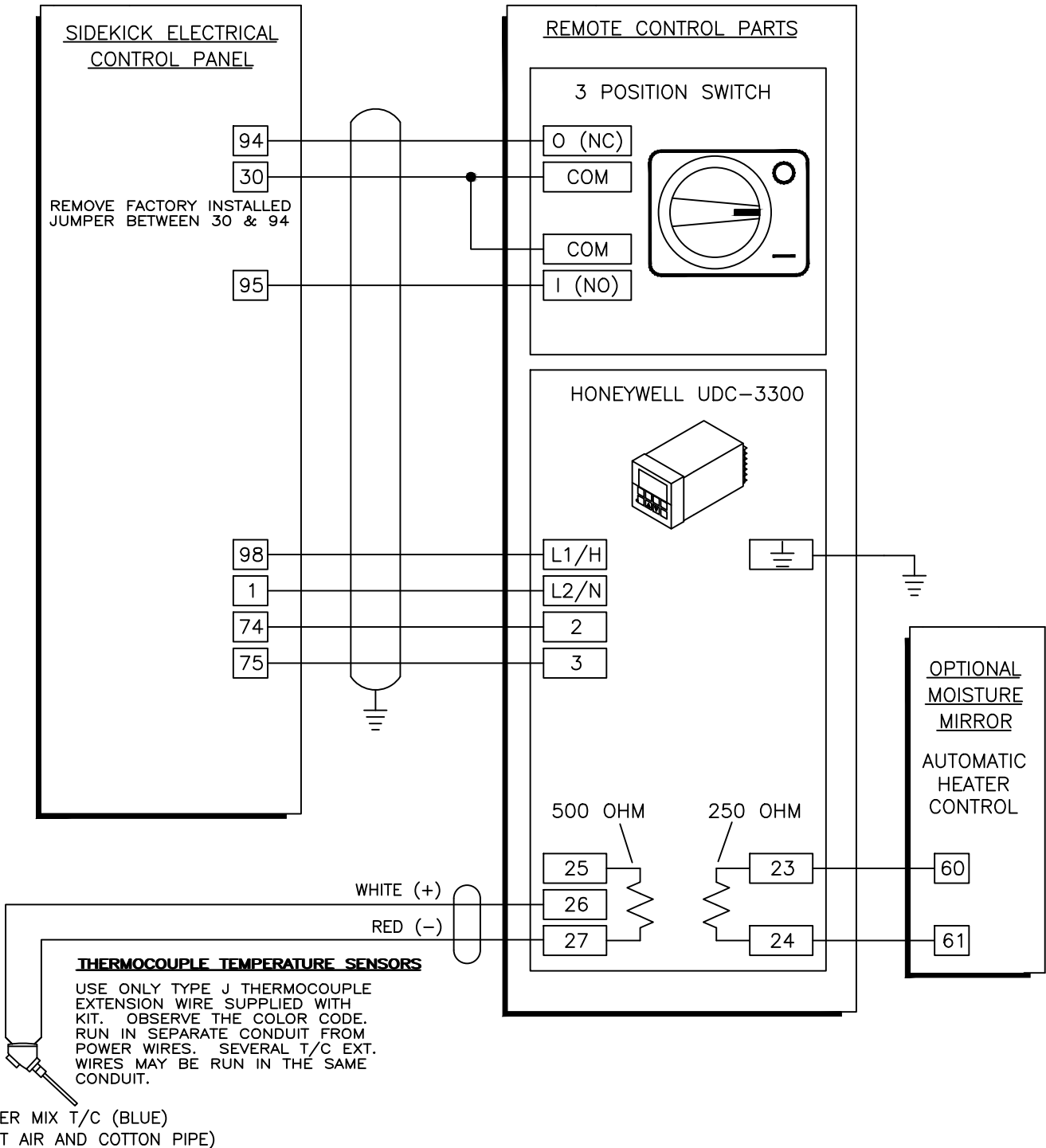
THERMOCOUPLE
FOR BEFORE-MIX
PART NO. 21709
(RED)

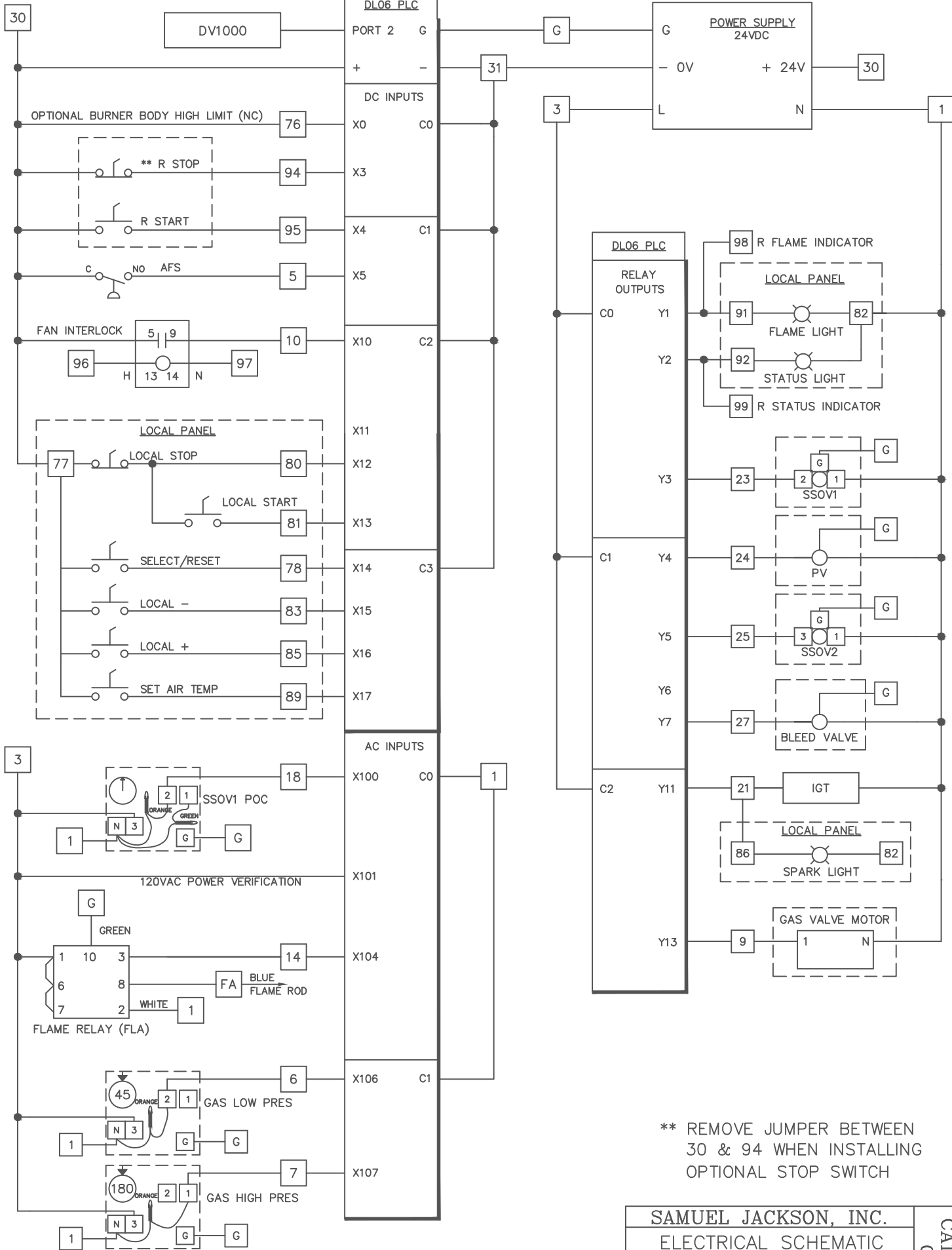
SENSITIVE WIRES



**WIRING DIAGRAM FOR
21790 REMOTE CONTROL KIT OPTION
FOR 80044 SIDEKICK HEATER**

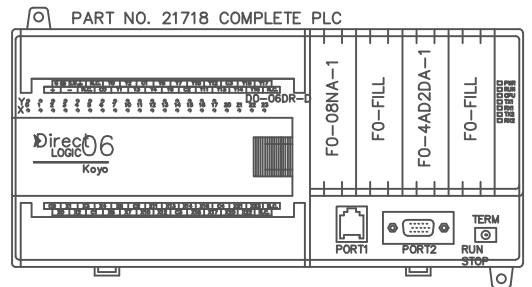
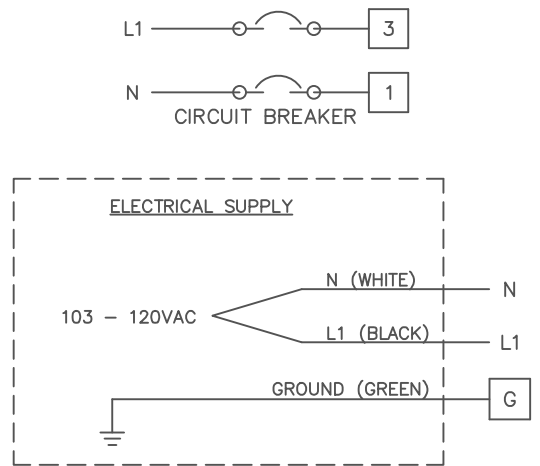
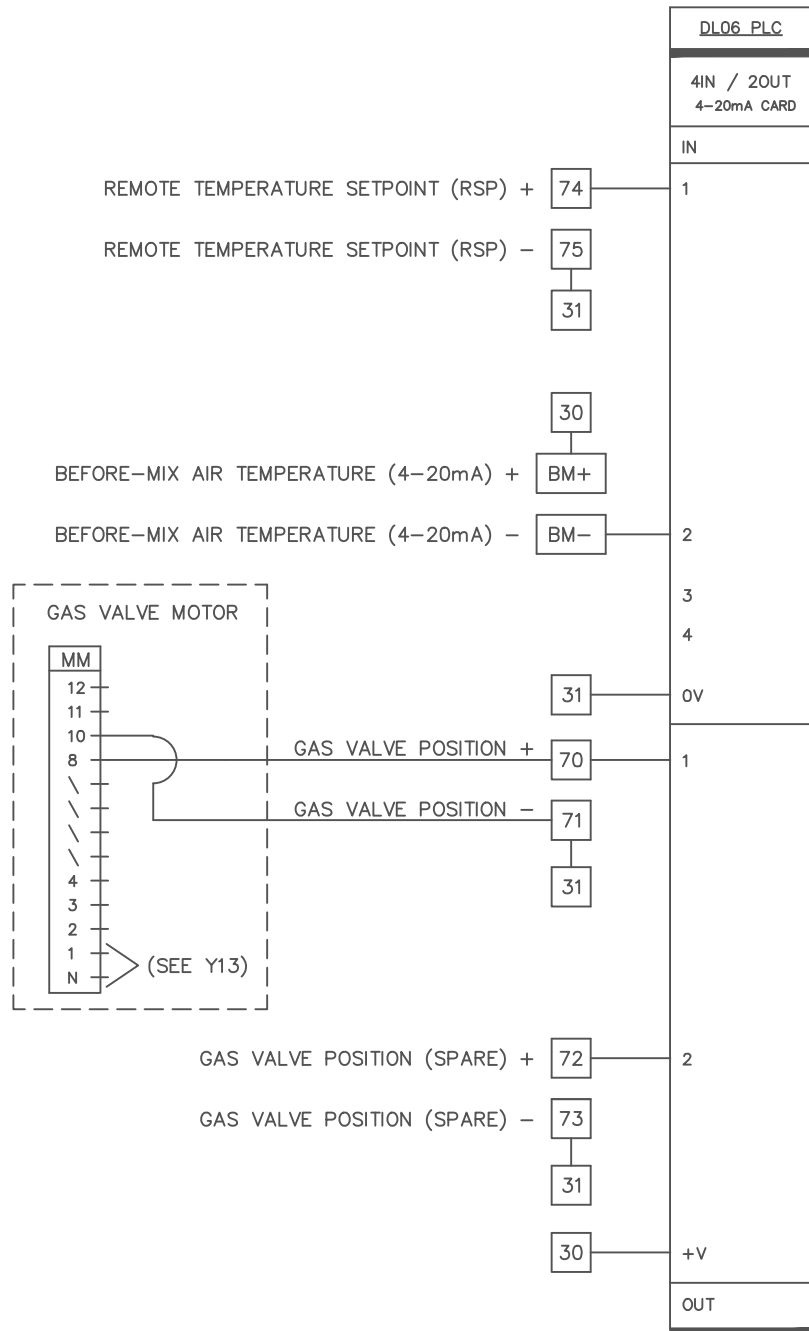
CA14912
4-05





** REMOVE JUMPER BETWEEN 30 & 94 WHEN INSTALLING OPTIONAL STOP SWITCH

<p>SAMUEL JACKSON, INC.</p> <p>ELECTRICAL SCHEMATIC WITH DISCRETE PLC I/O FOR 80044 SIDEKICK HEATER</p>	
<p>CA14910 01-05</p>	



SAMUEL JACKSON, INC.
ELECTRICAL SCHEMATIC
WITH ANALOG PLC I/O
FOR 80044
SIDEKICK HEATER

CA14911
01-05