

120 VAC Neutral

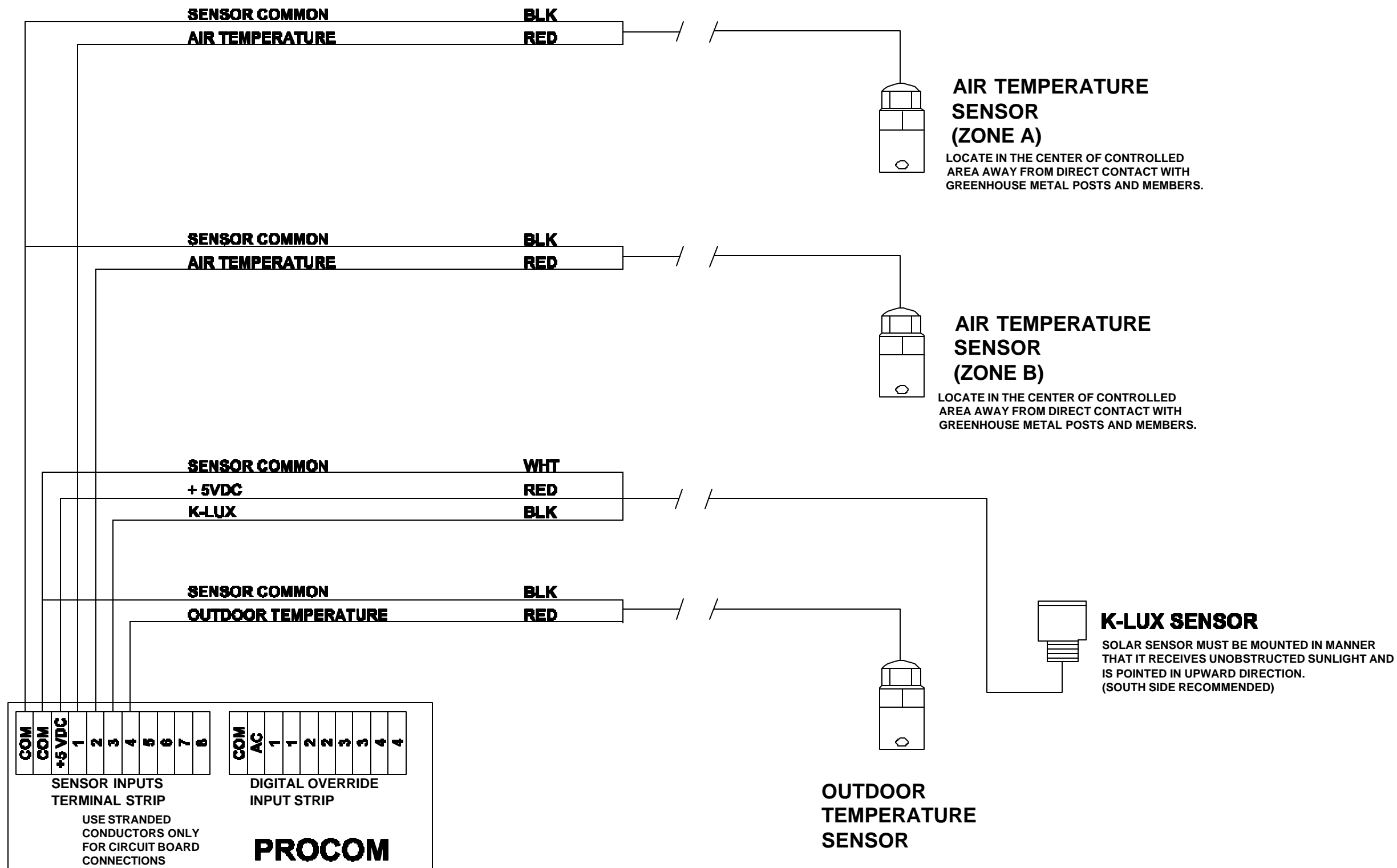
120 VAC Circuit

Procom
Computer

Contactor Box

run wires into contactor
box and leave
unconnected 18" length

Alarm Wiring

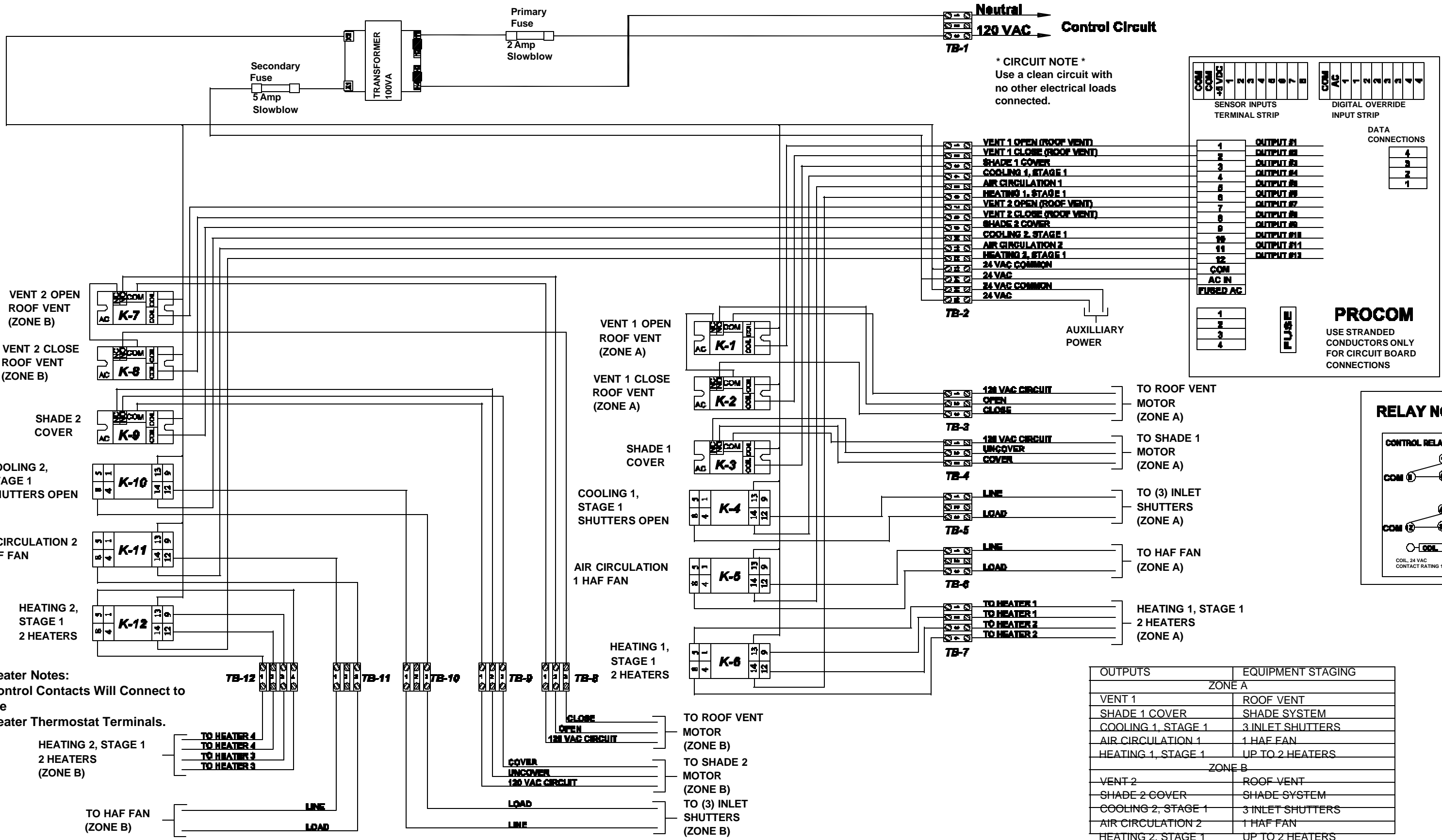


SENSOR INPUTS 2 ZONES



MICRO GROW GREENHOUSE SYSTEMS, INC
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 Phone (909) 296-3340 Fax (909) 296-3350

PROJECT NAME:				
U.W. FOND DU LAC GREENHOUSE				
JF	8/16/00	WISCONSIN SOLAR	3262	2 OF 3
DRAWN BY	DATE	DISTRIBUTOR	ID #	PAGE



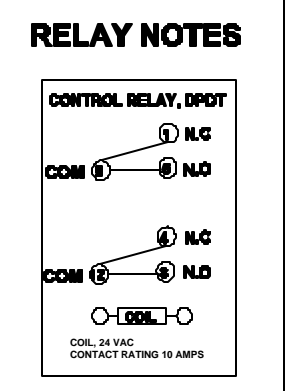
*** CIRCUIT NOTE ***
Use a clean circuit with no other electrical loads connected.

SENSOR INPUTS TERMINAL STRIP				DIGITAL OVERRIDE INPUT STRIP			
COM	COM	+5 VDC	1	2	3	4	5
1	2	3	4	5	6	7	8

DATA CONNECTIONS			
COM	AC	1	2
4	3	2	1

PROCOM			
COM	AC IN	1	2
4	3	2	1

USE STRANDED CONDUCTORS ONLY FOR CIRCUIT BOARD CONNECTIONS



OUTPUTS	EQUIPMENT STAGING
ZONE A	
VENT 1	ROOF VENT
SHADE 1 COVER	SHADE SYSTEM
COOLING 1, STAGE 1	3 INLET SHUTTERS
AIR CIRCULATION 1	1 HAF FAN
HEATING 1, STAGE 1	UP TO 2 HEATERS
ZONE B	
VENT 2	ROOF VENT
SHADE 2 COVER	SHADE SYSTEM
COOLING 2, STAGE 1	3 INLET SHUTTERS
AIR CIRCULATION 2	1 HAF FAN
HEATING 2, STAGE 1	UP TO 2 HEATERS

Heater Notes:
Control Contacts Will Connect to the Heater Thermostat Terminals.

HEATING 2, STAGE 1
2 HEATERS (ZONE B)

TO HAF FAN (ZONE B)

TO HEATER 4
TO HEATER 3
TO HEATER 2
TO HEATER 1

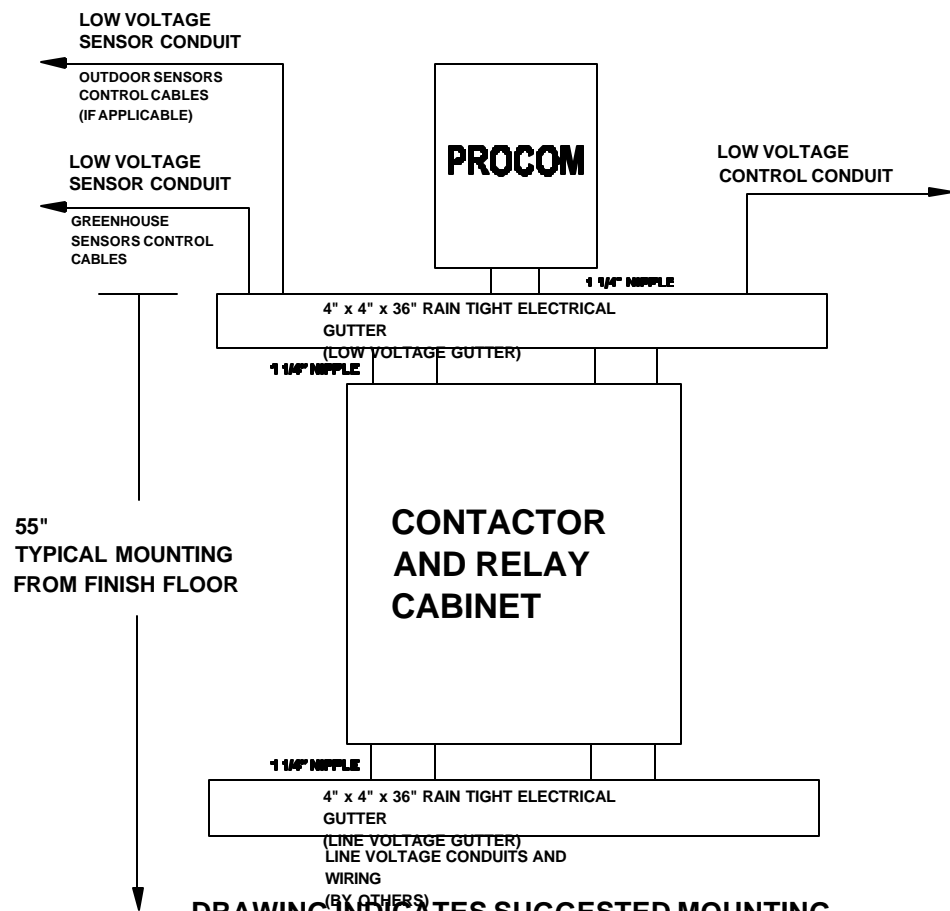
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RELAY AND CONTACTOR CABINET

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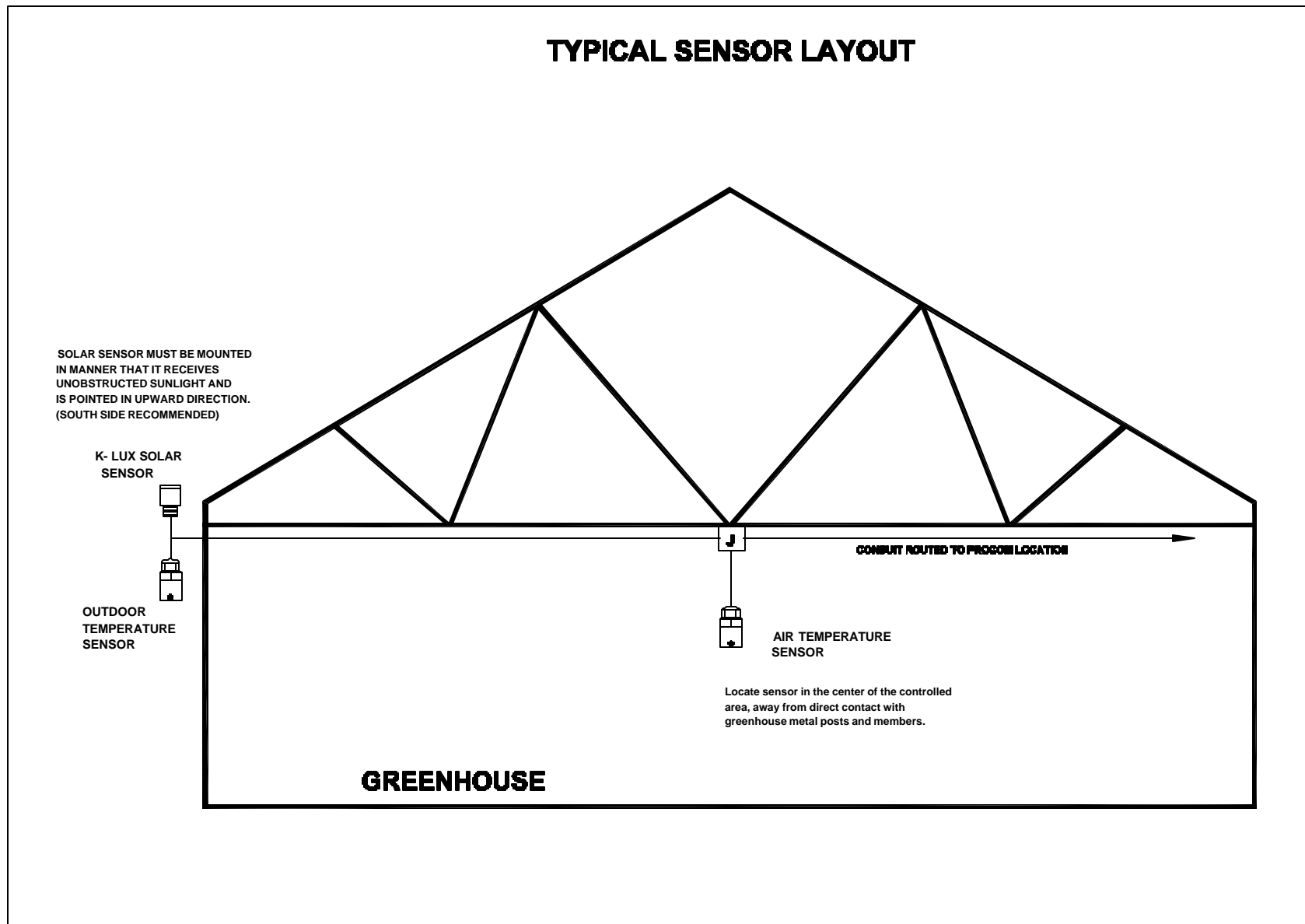
GENERAL NOTES:

- A. Use stranded copper conductors only, when connecting to the control circuit boards.
- B. Use rain tight grade wiring minimum NEMA 3R. Follow all local and national electrical codes.
- C. Install overload protection and motor disconnecting means as required.
- D. These diagrams are not intended to be a bid document or specification.
- E. Field verify all equipment locations, voltages, quantities, and types.
- F. Use a single stand alone control circuit for the control transformer(s).
- G. Locate the sensor and the data cable wiring away from any line voltage wiring that may cause interference.



DRAWING INDICATES SUGGESTED MOUNTING ONLY. BE SURE TO COMPLY WITH ALL LOCAL AND NATIONAL ELECTRICAL CODES FOR HIGH AND LOW VOLTAGE SEPARATION.

TYPICAL SENSOR LAYOUT



TYPICAL MOUNTING



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