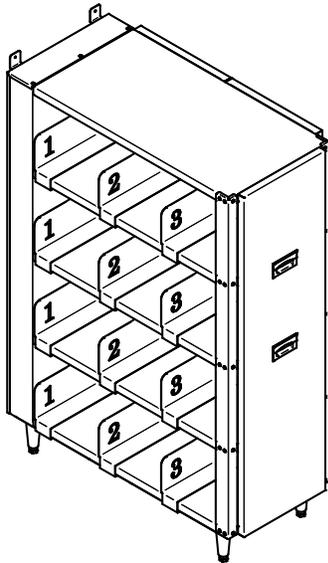


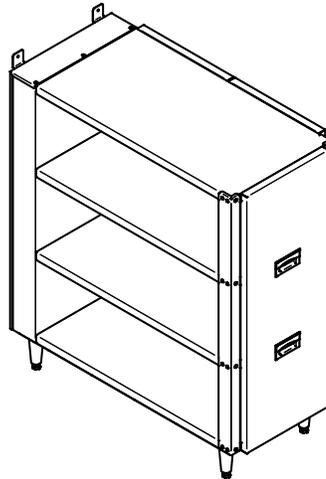
## OPERATING AND MAINTENANCE INSTRUCTIONS

### MODELS HS Heated Shelf Units

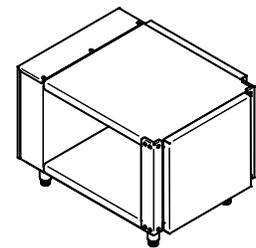
HS5203913HT



HS4203913HT



HS2202213HT



Model No.	Volts	Watts	Amps	Hertz	Phase	NEMA
HS5-203913-HT	120	2000	16.5	60	1	5-20P
HS5-203913		1600	13			
HS4-203913-HT		1200	9.5			
HS4-203913		400	3.5			
HS2-202213-HT		200	1.7			5-15P
HS2-202213						

\* Contact factory for additional sizes and voltages

### PRODUCT DESCRIPTION:

This product is intended to slow the cooling of hot foods. Embedded heating elements in the shelf deliver precise heat evenly over the entire surface, eliminating hot and cold spots. This heat radiates into the open spaces allowing product to stay warm temporarily until it is moved.



### WARNING

RISK OF FIRE OR ELECTRIC SHOCK  
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,

DO NOT REMOVE COVER (OR BACK)

NO USER-SERVICEABLE PARTS INSIDE

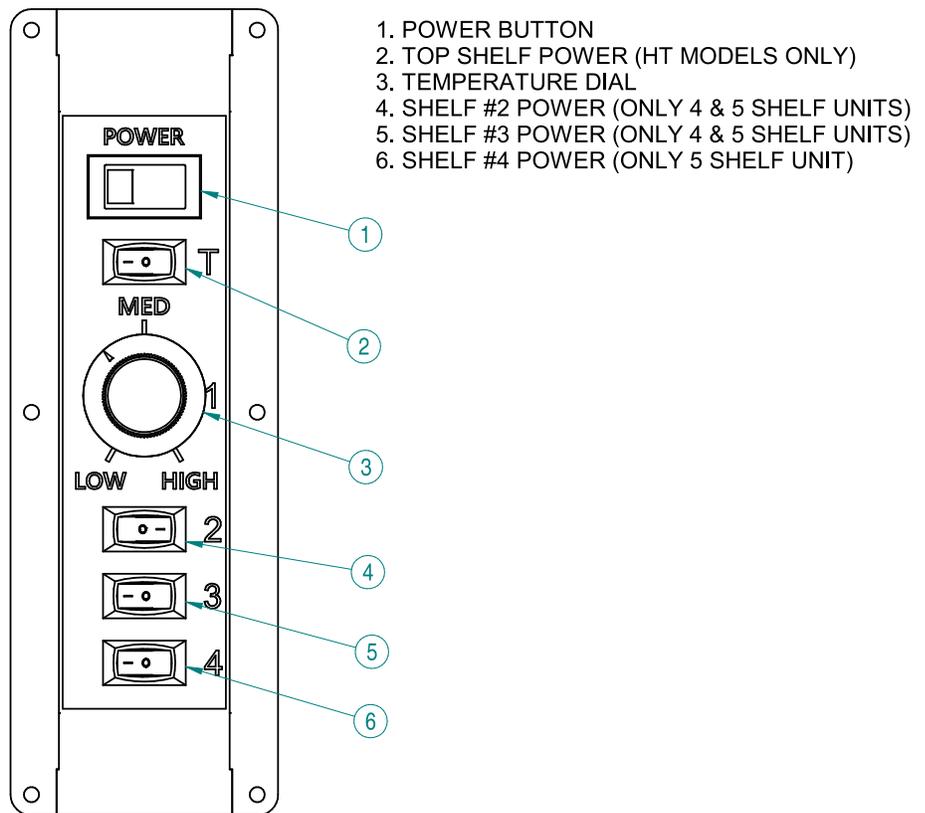
REPAIR SHOULD BE DONE BY AUTHORIZED SERVICE PERSONNEL ONLY

HEATED SHELF	<b>FL-2418</b>
Rev. 0 (12/20)	Page 2 of 8

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

### HOW TO INSTALL UNIT:

1. Remove all packaging material and protective paper from on and around unit.
2. Position on level floor and/or adjust legs so that unit is stable and level.
3. Use optional seismic bracket to anchor unit to stable surface as needed.
4. Make sure power switch is in OFF position and plug power cord into proper wall receptacle.



### FIRST TIME OPERATION:

**NOTE:** A new heated shelf unit may need to fully “burn off” manufacturing oils and excessive adhesive before first use.

1. Press power switch on. Light will illuminate.
2. Press all shelf switches on. Switch will be in the “I” position and you will be able to see red on the other side of the switch.
3. Turn temperature control knob to HIGH.
4. Let unit run for 1 hour
5. Push power switch off and let cool.
6. Wipe all shelves with detergent and hot water.

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

### HOW TO USE TEMPERATURE CONTROLS:

1. The main switch turns the entire unit on and off.
2. The second to top shelf (Shelf 1) will always be on with the power switch.
3. Heated top “T” (if equipped, -HT model), and other shelves 2-4 (depending on the model) can have the heat disabled by pressing the shelf switch to the off (0) position.

**NOTE:** Depending on model ordered, your unit may not have shelf “T”, “2”, “3”, or “4”

4. Adjust temperature knob to desired setting, LOW, MED, or HIGH.

**NOTE:** Shelf surface temperature is tightly regulated but may vary depending on kitchen environment (ambient temp, airflow, etc.). As a rule of thumb, LOW is typically 140-160°F, MED is 160-180°F, and HIGH is 180-200°F. Contact factory for custom temperature ranges.

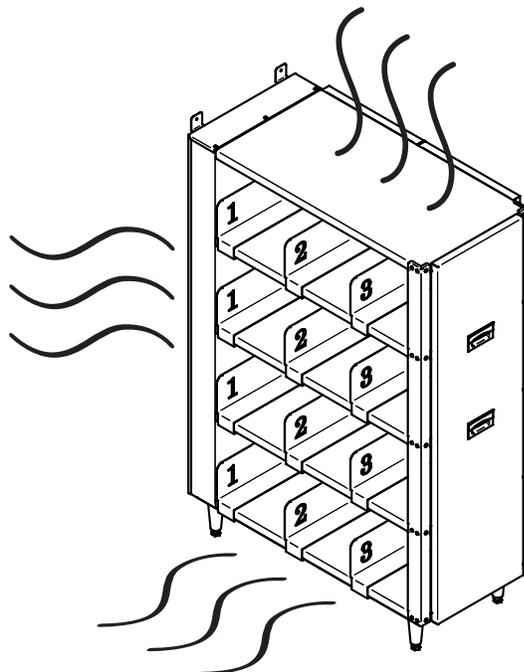
**NOTE:** Temperature controller regulates all shelves to the same temperature. Use shelf power switch to disable or enable heat on that shelf.

### TO TURN UNIT OFF:

1. Press power switch off; light will go off.

### Loading unit:

It is recommended to not exceed 35 LBS per shelf, evenly distributed, for safe operation.



HEATED SHELF	<b>FL-2418</b>
Rev. 0 (12/20)	Page 4 of 8

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

### MAINTENANCE AND TROUBLESHOOTING

**BEFORE CLEANING CABINET:**

1. Do NOT hose cabinet with water
2. Do NOT get water on power connection, switch, or ventilation opening
3. Do NOT use abrasives or harsh chemicals

**ENSURE UNIT STAYS CLEAN AND IN GOOD CONDITION.**

1. Wipe up spills immediately
2. Clean cabinet regularly to avoid heavy dirt build-up
3. Make a test spot with cleaner
4. Follow manufacturer's direction on cleaner
5. Do not mix cleaners
6. Avoid drips and splashes
7. Do not use Cres Clean on plastics and labels
8. Sterilize water tray before adding new flats

**HOW TO CLEAN UNIT:**

Cabinet Area	Cleaner	Method
Stainless Steel	Mild Detergent* and hot water	<ol style="list-style-type: none"> <li>1. Use soft, damp cloth.</li> <li>2. Rinse cloth with hot water as needed.</li> <li>3. Wipe dry.</li> </ol>

\*Mild detergents include soaps and non-abrasive cleaners

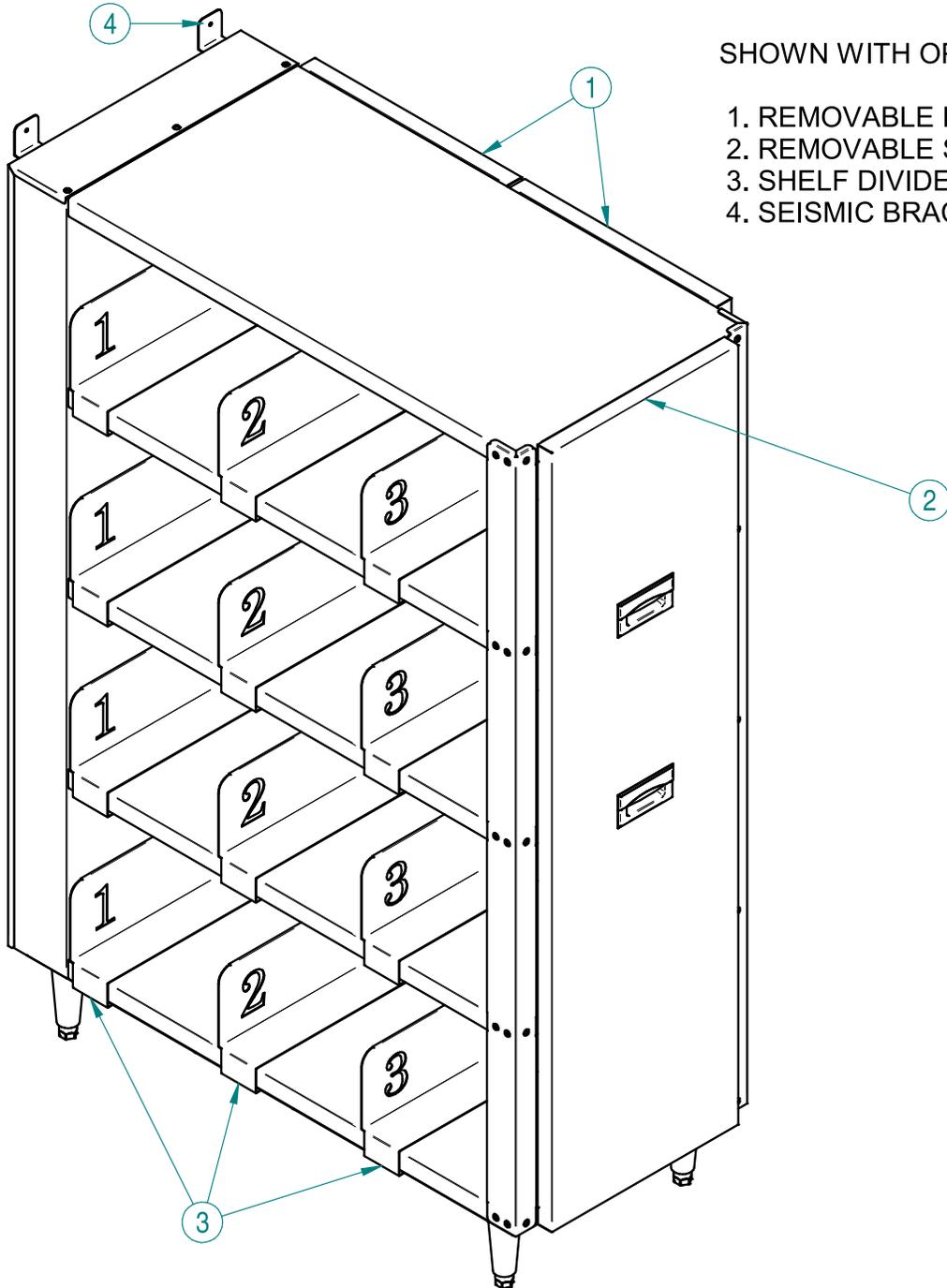
**TROUBLESHOOTING:**

FAILURE:	POSSIBLE CAUSE:
switch light does not illuminate and unit does not turn on	Switch is "OFF"
	Cord is unplugged from wall outlet
	Circuit breaker/fuse to wall outlet is blown
unit gets too hot or won't shut off	defective electrical component(s)
	UNPLUG UNIT FROM WALL OUTLET
unit does not heat	defective electrical component(s)

HEATED SHELF	FL-2418
Rev. 0 (12/20)	Page 5 of 8

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

### REPLACEMENT PARTS:



SHOWN WITH OPTIONAL ACCESSORIES

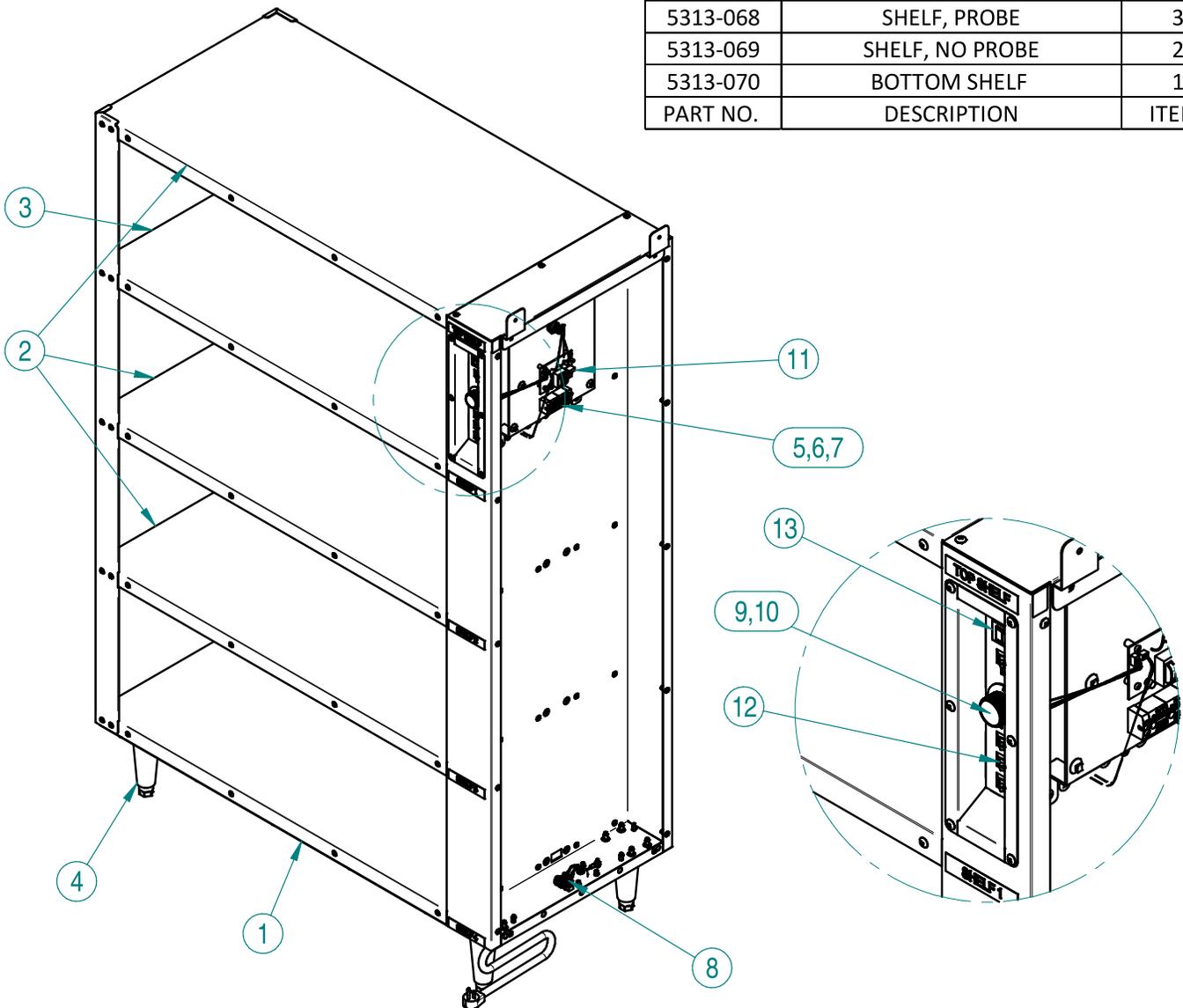
- 1. REMOVABLE BACK PANELS (0971-029-01)
- 2. REMOVABLE SIDE PANELS (0971-030-01)
- 3. SHELF DIVIDERS (1253-638-01,02,03)
- 4. SEISMIC BRACKET MOUNT

HEATED SHELF	<b>FL-2418</b>
Rev. 0 (12/20)	Page 6 of 8

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

**REPLACEMENT PARTS:**

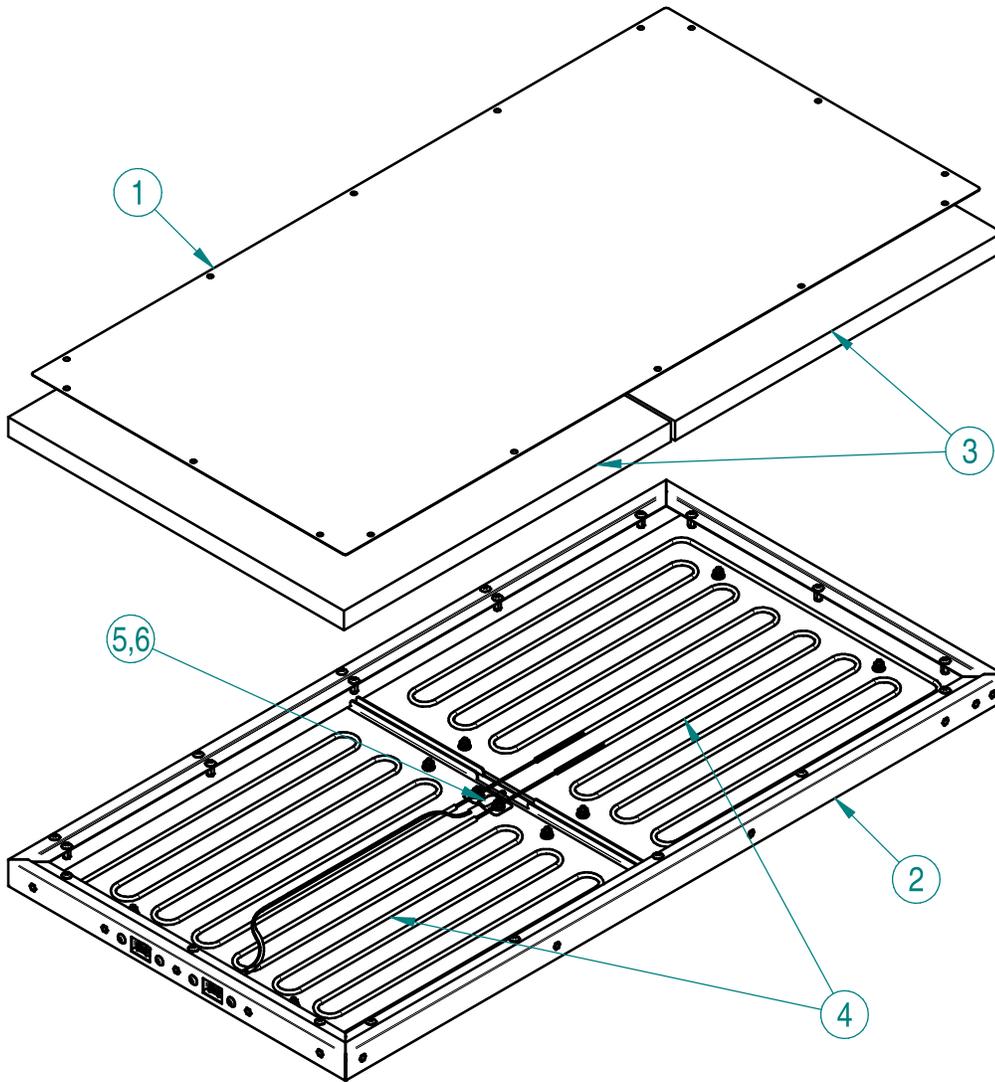
0808-113	SWITCH, POWER	13
0808-114	SWITCH	12
0848-122	TEMPERATURE, CONTROL	11
0848-124	POTENTIOMETER, TEMP. ADJ.	10
0595-061	KNOB	9
0852-091	TERMINAL BLOCK	8
0852-135	TERMINAL BLOCK, BLUE	7
0852-139	TERMINAL BLOCK, BROWN	6
0852-142	TERMINAL BLOCK, END ANCHOR	5
1206-075	LEG, 6" ADJUSTABLE	4
5313-068	SHELF, PROBE	3
5313-069	SHELF, NO PROBE	2
5313-070	BOTTOM SHELF	1
PART NO.	DESCRIPTION	ITEM



HEATED SHELF	<b>FL-2418</b>
Rev. 0 (12/20)	Page 7 of 8

## OPERATING AND MAINTENANCE INSTRUCTIONS MODELS HS Heated Shelf Units

### REPLACEMENT PARTS:

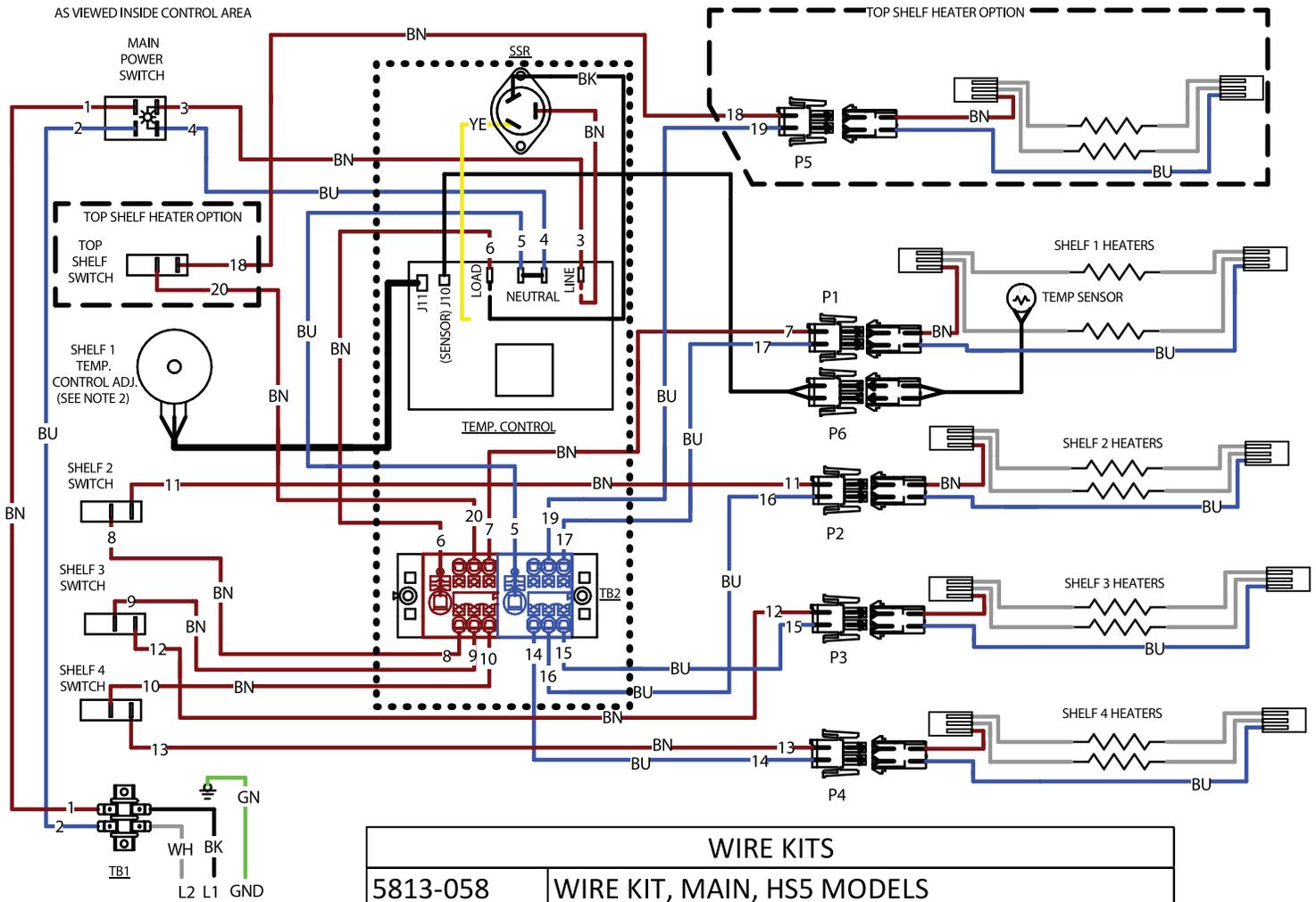


0806-074	PROBE CLIP	6
0848-123	PROBE	5
0811-340	FOIL HEATER, 200W 120V	4
1228-485	INSULATION, 1.5" X 19.5" X 20"	3
5313-068-01	SHELF	2
5642-020	BOTTOM	1
PART NO.	DESCRIPTION	ITEM

## OPERATING AND MAINTENANCE INSTRUCTIONS

### MODELS HS Heated Shelf Units

#### WIRING DIAGRAM:



WIRE COLOR CODE	
BLACK	BK
BROWN	BN
RED	RD
ORANGE	OG
YELLOW	YE
GREEN	GN
BLUE	BU
VIOLET	VT
GREY	GY
WHITE	WH
PINK	PK
TURQUOISE	TQ

WIRE KITS	
5813-058	WIRE KIT, MAIN, HS5 MODELS
5813-058-04	WIRE KIT, MAIN, HS4 MODELS
5813-058-05	WIRE KIT, MAIN, HS3 MODELS
5813-058-06	WIRE KIT, MAIN, HS2 MODELS
5813-058-01	WIRE KIT, SHELF, WITH 1 OR 2 HEATERS
5813-058-02	WIRE KIT, TOP SHELF TO SWITCH ("HT" OPTION)
5813-058-07	WIRE KIT, SENSOR TO TEMP. CONTROL

#### NOTES:

1. THIS WIRING DIAGRAM REPRESENTS UNITS WITH 1 TO 5 HEATED SHELVES. EACH SHELF MAY INCLUDE 1 TO 2 HEATERS.
2. SHELVES 2-5 & TOP SHELF TEMPERATURES WILL BE THE SAME AS SHELF 1.