



INSTALLATION AND SERVICE MANUAL

GARLAND S680, SS680 & SU680 SERIES RESTAURANT RANGES AND SALAMANDERS



FOR YOUR SAFETY:
DO NOT STORE OR USE GASOLINE
OR OTHER FLAMMABLE VAPORS OR
LIQUIDS IN THE VICINITY OF
THIS OR ANY OTHER
APPLIANCE

WARNING:
IMPROPER INSTALLATION, ADJUSTMENT,
ALTERATION, SERVICE OR MAINTENANCE
CAN CAUSE PROPERTY DAMAGE, INJURY,
OR DEATH. READ THE INSTALLATION,
OPERATING AND MAINTENANCE
INSTRUCTIONS THOROUGHLY
BEFORE INSTALLING OR
SERVICING THIS EQUIPMENT

PLEASE READ ALL SECTIONS OF THIS MANUAL
AND RETAIN FOR FUTURE REFERENCE.

THIS PRODUCT HAS BEEN CERTIFIED AS
COMMERCIAL COOKING EQUIPMENT AND
MUST BE INSTALLED BY PROFESSIONAL
PERSONNEL AS SPECIFIED.

INSTALLATION AND ELECTRICAL CONNECTION
MUST COMPLY WITH CURRENT CODES:
IN CANADA - THE CANADIAN ELECTRICAL
CODE PART 1 AND / OR LOCAL CODES.
IN USA - THE NATIONAL ELECTRICAL CODE
ANSI / NFPA - CURRENT EDITION.

ENSURE ELECTRICAL SUPPLY CONFORMS WITH
ELECTRICAL CHARACTERISTICS SHOWN ON
THE RATING PLATE.

Users are cautioned that maintenance and repairs must be performed by a Garland authorized service agent using genuine Garland replacement parts. Garland will have no obligation with respect to any product that has been improperly installed, adjusted, operated or not maintained in accordance with national and local codes or installation instructions provided with the product, or any product that has its serial number defaced, obliterated or removed, or which has been modified or repaired using unauthorized parts or by unauthorized service agents. For a list of authorized service agents, please refer to the Garland web site at <http://www.garland-group.com>. The information contained herein, (including design and parts specifications), may be superseded and is subject to change without notice.

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IMPORTANT INFORMATION

WARNING:

This product contains chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm. Installation and servicing of this product could expose you to airborne particles of glass wool/ceramic fibers. Inhalation of airborne particles of glass wool/ceramic fibers is known to the state of California to cause cancer.

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DIMENSIONS AND SPECIFICATIONS, MODELS S,SU & SS684

Model	Total Kw Load	Nominal Amps					
		208V/1Ph	208V/3 Ph	240V/1Ph	240V/3 Ph	400 V/3N	415V/3N
S684*	27	127	76	110	66	—	—
SS/SU684**	33	157	97	136	84	60	58
SS/SU684RC2***	34	N/A	100	142	87	60	58
Salamander Broiler****	7	N/A*****	23	29	20	4	4

*(All purpose tubular elements) **(Sealed -top elements, Model # SS684 in North America) *** Maximum on any 684 series range.

****Add when wired to range base (SER/SUER-680) *****Note: For 208V/1phase the salamander cannot be wired into the range.

Exterior Dimensions			Oven Interior Dimensions		
Height	Width	Depth†	Height	Width	Depth
47" (1194mm)	60" (1524mm)	34-1/4" (870mm)	13-1/2" (343mm)	26-1/4" (667mm)	22" (559mm)

† With Front Rail Note: Shipping Cubic Feet is 84.5.

Ratings:

Tubular Elements - Small 6-1/2" (165mm) - 1250 Watts. Large 8-1/2" (216mm) - 2100 Watts

Sealed Elements - Small 7" (180mm) - 2000 Watts. Large 8-5/8" (220mm) - 2600 Watts

Hot Plate - (per 12"/305mm section) - Front and Rear sections each 1675 Watts, (3350 Watts total)

Griddle - (per 12"/305mm section) - 3350 Watts

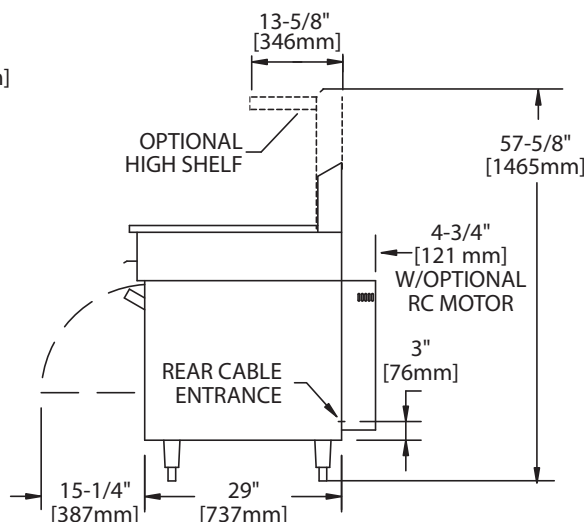
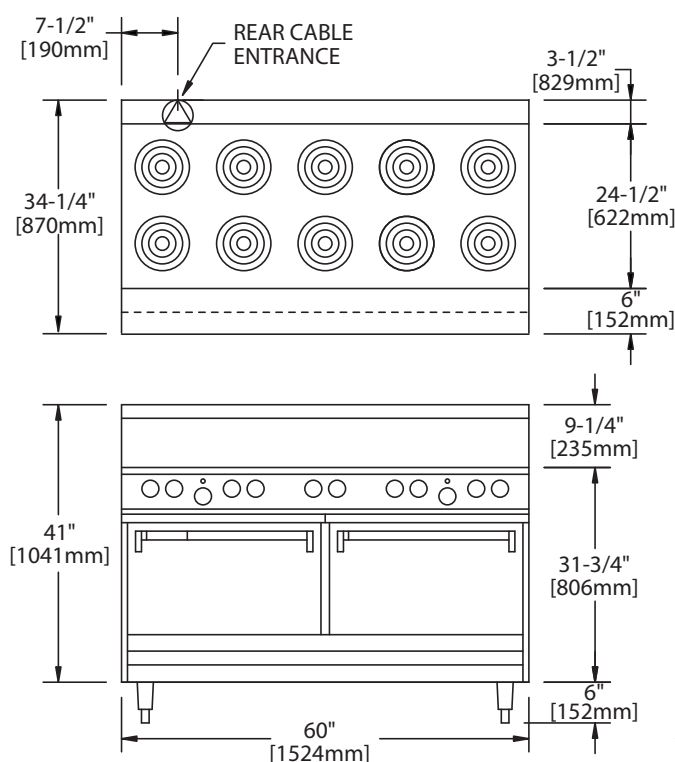
Standard Oven - 4.85 kW

Convection Oven - 5.0 kW (plus 0.5kW fan motor, for 5.5kW total)

NOTE: Many local codes exist, and it is the responsibility of the Owner and the Installer to comply with those codes.

Installation Clearances:	Side	Back
Range w/o Salamander	3" (76mm)	2" (51mm)
Range w/ Salamander	7" (178mm)	2" (51mm)
Hot Plate	10" (254mm)	—

NOTE: For ranges with convection oven(s), (models with suffix 'RC' or 'RC2'), air circulation is required for proper operation of fan motors. These models must not be dais mounted or installed without legs.



DIMENSIONS AND SPECIFICATIONS, MODELS S,SU & SS686

Model	Total Kw Load	Nominal Amps					
		208V/1Ph	208V/3 Ph	240V/1Ph	240V/3 Ph	400 V/3N	415V/3N
S686*	15	72	48	62	42	—	—
S686RC	16	75	51	64	44	—	—
SS/SU686**	19	90	59	78	52	40	38
SS/SU686RC	20	93	62	80	54	40	38
Salamander Broiler***	7	34	19	29	16	4	4

*Tubular elements; **Sealed -top elements, Model # SS686 in North America; ***Add when wired to range base (SER/SUER-680)

Exterior Dimensions			Oven Interior Dimensions		
Height	Width	Depth†	Height	Width	Depth
47" (1194mm)	36" (914mm)	34-1/4" (870mm)	13-1/2" (343mm)	26-1/4" (667mm)	22" (559mm)

† With front rail Note: Shipping Cubic Feet is 58.5

Entry Clearances		
Crated	Uncrated	Uncrated "RC" Model
45" (1143mm)	35" (889mm)	40" (1016mm)

NOTE: Many local codes exist, and it is the responsibility of the Owner and the Installer to comply with those codes.

Installation Clearances:	Side	Back
Range w/o Salamander	3" (76mm)	2" (51mm)
Range w/ Salamander	7" (178mm)	2" (51mm)
Hot Top	10" (254mm)	—

Ratings:

Tubular Elements: 6-1/2" (165mm): 1250 Watts

8-1/2" (216mm): 2100 Watts

Sealed Elements: 7" (180mm): 2000 Watts

8-5/8" (220mm): 2600 Watts

Hot Tops: (per 12"/305mm section):

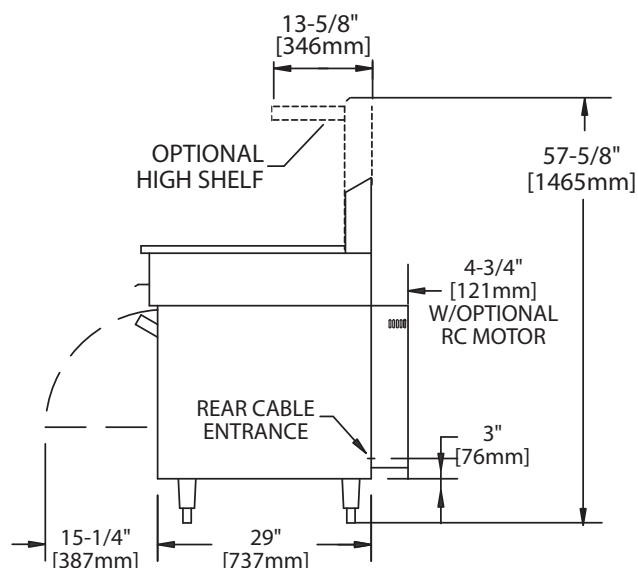
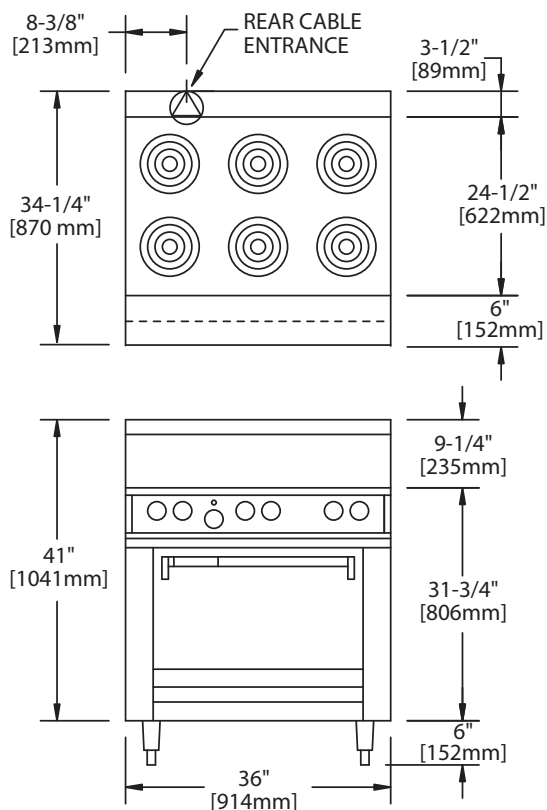
Front and Rear sections each 1675 Watts, (3350 Watts total)

Griddle (per 12"/305mm section): 3350 Watts

Standard Oven: 4.85 kW

Convection Oven: 5.0 kW (+0.5kW fan motor; for 5.5kW total)

NOTE: For ranges with convection oven, (models with suffix 'RC'), air circulation is required for proper operation of fan motors. These models must not be dais mounted or installed without legs.



DIMENSIONS AND SPECIFICATIONS, RANGE MODELS

Range Suffix Definitions

<u>S/SS/SU</u>	<u>686/684</u>	<u>RC (2)</u>	<u>-(1,2,3) (L,C,R)</u>	<u>-(12,24,36) (L,C,R)</u>	
					-12 = 12" (305 mm) wide griddle -24 = 24" (610 mm) wide griddle -36 = 36" (915 mm) wide griddle - L = griddle on left hand side of range - C = griddle in center of range - R = griddle on right hand side of range
					-1 = 12" (305mm) wide solid top -2 = 24" (610mm) wide solid top -3 = 36" (915mm) wide solid top -L = Solid top on left hand side of range -C = Solid top in center of range -R = Solid top on right hand side of range
					RC = Convection Oven RC2 = Double convention oven base
					686 = 36" (915mm) wide range 684 = 60" (1524mm) wide range
					S = Sentry series range SU = Sentry series range CE marked design SS = Sentry series range with sealed top elements

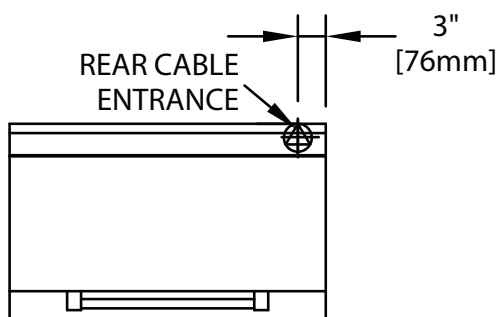
DIMENSIONS AND SPECIFICATIONS, MODELS SERC, SER-680

Model	Total Kw Load	TOTAL AMPS					
		208V/1Ph	208V/3 Ph	240V/1Ph	240V/3 Ph	400 V/3N	415V/3N
SERC, SER-680 wired independently	7	34	29	29	25	15	15

Installation Notes:

Clearances from combustible surfaces should be minimum 7" (178mm) from sides, 2" (51mm) from back.

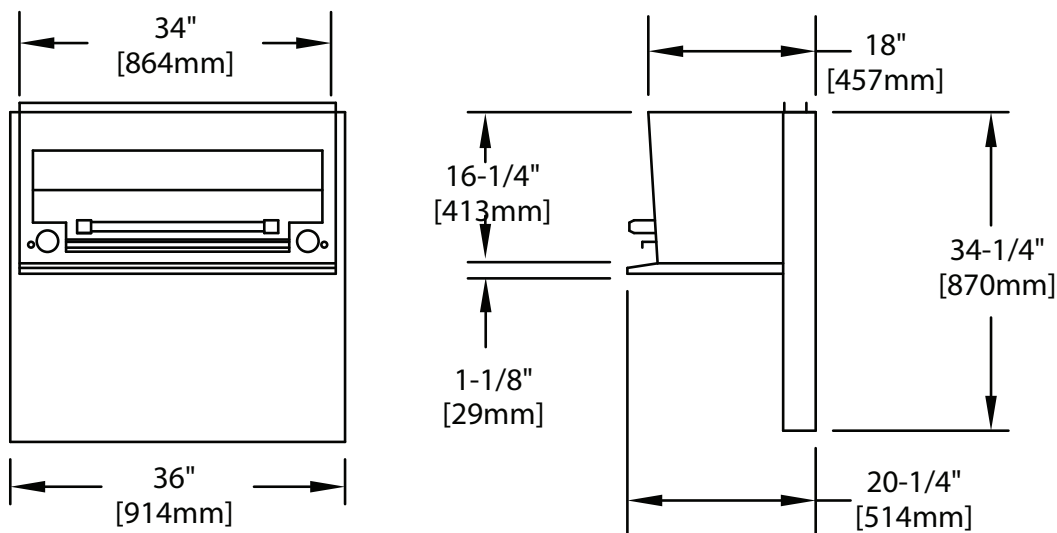
*Note: 3 phase ratings apply to SERC and SER-680 ordered separately. When a range and salamander are ordered together it is standard for the salamander to be prewired at the factory to interconnect with the range (single phase). For further information on ratings and connection options consult the factory.



Model	Shipping	
	Cu Ft	Lbs/Kg
S/SUERC	11	210/95
S/SUER-686	25	176/80
S/SUER-684	35	209/95

KW Ratings

Total kW loading is 7.0 kW



Salamander Suffix Definitions

S/SU ERC, ER-680

-ERC = 34" (864mm) wide counter top salamander
-ER-680 = 34" (864mm) wide range mount salamander

S = Sentry series salamander
SU = Sentry series salamander CE marked design

INTRODUCTION

The following instructions should be read carefully as the manufacturer cannot be held responsible for any damage to the property or persons by incorrect installation or operation of the equipment.

Uncrating

1. Check the crate for possible damage sustained during transit. Carefully remove the unit from the crate and again check for damage. Any damage to the appliance must be reported to the carrier immediately.
2. All packing material must be removed from the unit. The protective material covering the stainless steel must be removed immediately, after the unit is installed.
3. All ranges are shipped from the factory with legs or casters fitted unless specially ordered without.
4. The splash back and high shelf is packed and ordered separately.
5. Do not remove permanently affixed labels, warnings or data plates from the appliance, for this may void approvals and create a safety hazard.

Rating Plate

The data plate is readily accessible, located behind the lower panel on ranges & behind the drip tray on salamanders. It contains all the pertinent information required by the installer.

When corresponding with the factory or your local authorized factory service center regarding service problems or replacement parts, be sure to refer to the particular unit by the correct model number (including the prefix and suffix letters and numbers) and the warranty serial number. The rating plate affixed to the unit contains this information.

Safety Precautions

This manual pertains to ranges and salamanders. The reader/operator must interpret its contents to applicable needs. If there is any question of interpretation of any of the literature pertaining to Garland ranges or salamanders, please contact your authorized service agency, or our customer service department at the phone number listed on the front of this manual or on our web site: <http://www.garland-group.com>.

A qualified person must make the installation of these products in accordance with the local codes of the country of destination.

Always follow these safety precautions when operating the range or salamander.

1. The Unit must only be operated by qualified persons. DO NOT operate without reading this manual and operation manual.
2. DO NOT operate the product unless it has been properly installed and grounded.
3. DO NOT operate the product unless all service and access panels are in place and fastened properly.
4. DO NOT attempt to repair or replace any part of this product unless all main power supplies have been disconnected.

WARNING: to avoid personal injury: Use Extreme caution in setting up, operating and cleaning the product to avoid coming in contact with the hot grill surfaces or hot grease. Suitable protective clothing should be worn to prevent the risk of burns.

WARNING: this appliance must not be cleaned with a water jet.

INSTALLATION

This equipment must be installed by a competent factory trained, certified, licensed and / or authorized service or installation person. Electrical work must be installed by a qualified person as required by the local electrical authorities.

WARNING: This appliance must be grounded.

CAUTION: Prior to installation check the electrical supply to ensure the input voltage and phase match the equipment voltage rating and phase as shown on the rating plate.

Clearances

The space in which the appliance is to be positioned must include the minimum installation clearances to combustible surfaces.

MINIMUM INSTALLATION CLEARANCES			
Clearance To Combustible Material			
Location	Models		
	Ranges	Ranges c/w Hot Top	Salamander
Top	*	*	*
Sides	3" (76mm)	10" (254mm)	7" (178mm)
Rear	2" (51mm)	2" (51mm)	2" (51mm)

* NOTE: Garland recommends equipment be installed under a ventilation canopy.

LOCATION	
Models	Type Of Floor Or Base
Ranges	Combustible
Ranges c/w Hot Top	Combustible
Salamander	Non-Combustible

IMPORTANT: For ranges with convention oven (models with suffix "RC"), air circulation is required for proper operation of the fan motors. Allow 1" (25mm) rear clearance for ventilation of the motor.

Adequate clearance must be provided for servicing, ventilation and proper operation. The range must be kept clear of combustible material.

Positioning

The range should be installed on a firm, smooth and level floor designed to withstand the weight of the fully laden appliance. Refer to dimension and specifications for weights.

Place the range or salamander in desired position and level from side to side and back to front and diagonally. This leveling must be done with the unit under the hood and in it's normal operating position. If the range is to be dais or cove mounted ,the base on which it is to be set should be level. If it is not, the range must be shimmed to level.

Legs

All ranges are shipped from the factory with legs installed unless otherwise specified. When the range is specified for dais or cove base mounting, it is shipped less legs. Legs must be adjusted to a minimum height of 6" (152mm) in order to comply with NSF standards.

Casters

1. The front casters on the unit are equipped with brakes to limit the movement of the range without depending on the electrical connection to limit appliance movement.
2. A restraint can be attached to the unit near the electric connection. If the restraint is disconnected, be sure to reconnect it after the range has been returned to its originally installed position.

Ventilation Air

The area in which the appliance is installed must be adequately ventilated to provide air for removal of steam, heat generated by the appliance, etc. These products are recommended to be installed under a ventilation hood.

Proper operation of exhaust fans (proper speed, rotation and adjustment) is essential. The hood, and the filters must be cleaned on a regular bases and kept grease free.

Installation Of Range Mount Salamander

1. The rear of the range must be easily accessible.
2. Place the salamander in position on the range. Slide the uprights into the opening at the oven rear. Secure the salamander uprights to the range with the hex head bolts provided.

INSTALLATION continued

3. Remove the terminal block access cover.
4. Pass the wires through cable entrance hole.
5. Secure the cable connector
6. Terminate the salamander wire at the terminal block provided (Red to L1, Black to L2 or N, Green to GRN or E).

NOTE: When mounting a salamander over an existing range in the field, an independent fused connection must be made through the knock out plate provided in the main back of the salamander.

Assembly of Backguard/High Shelf

The back guard or high shelf will have been shipped separately. To install, put the backguard/high shelf on the rear of the range, slipping the uprights into the opening on each burner box side. Fasten the upright to the burner box side with four hex fasteners provided.

Code Requirements

The Garland S/SS680 series complies with the standards CSA C22.2 no.109 – latest edition, the UL197 – latest edition and the NSF#4 – latest edition. The installation and connection of this appliance must comply with current codes. In Canada – The Canadian Electrical Code Part 1 and in the USA – The National Electrical Code.

The Garland SU680 series complies with the essential requirements of the Directives 73/23/EEC, 89/336/EEC, 89/392/EEC, 93/68/EEC and the standards, EN60335, IEC801.2, IEC801.3, IEC801.4, IEC801.5, IEC801.6 and IEC801.11.

Electrical Supply

Before attempting the electrical connection, the rating plate should be checked to ensure that the equipment's electrical characteristics and supply electrical characteristics agree. On ranges and salamanders the supply entrance is located at the rear or alternatively on the main bottom. The supply terminal block is accessible from the front. The electrical supply must be adequate for the voltage, phase, and current marked on the rating plate.

NOTE: A means of disconnection from the supply having a contact separation of at least 3 mm in all poles must be incorporated in the fixed wiring.

This equipment is intended to be installed with fixed permanent wiring.

WARNING: This appliance must be grounded.

Single And Three Phase Connection

Unless otherwise noted, all ranges are shipped from the factory for three phase connection. Salamanders are shipped from the factory for single phase connection. A wiring diagram is attached to the rear of each appliance. Visually check all electrical connections. The range is wired at the factory as specified on the order. If it is necessary to change the phasing refer to the wiring diagram.

Commissioning

Ensure all circuit breakers located in the lower compartment are set to the ON (1) position.

1. Ensure that all controls are in the OFF position and turn on the main electrical supply.
2. Operate each section of the range or salamander in accordance with the instructions given in the Use's Manual.
3. Check that the product functions correctly and that the voltage supply to the unit does not drop more than 5% when all sections are operated simultaneously.

When the operation has been checked, hand the OPERATING INSTRUCTIONS to the User or purchaser for retention and instruct them in the efficient and safe operation of the appliance.

MAINTENANCE AND CLEANING

Regular servicing by a competent person is recommended to ensure safe and efficient performance of the appliance.

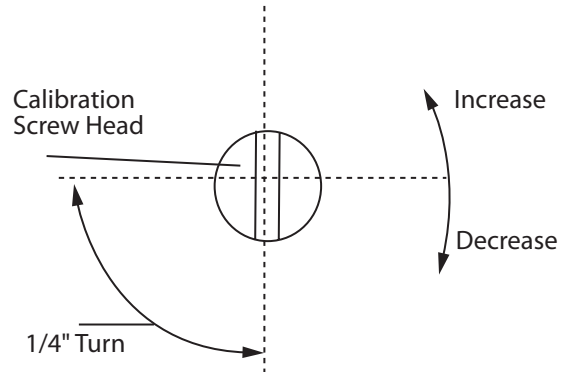
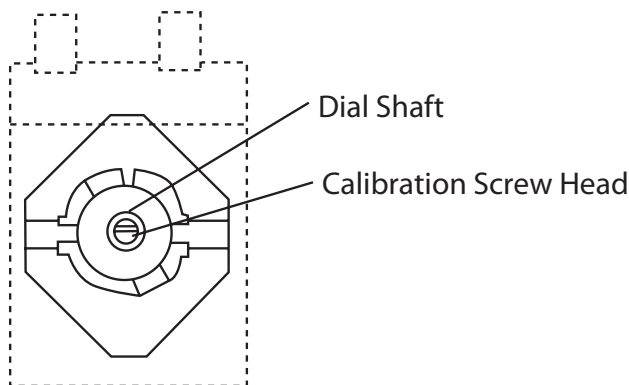
WARNING: Turn off the electrical mains before commencing any service work.

Thermostat Calibration

Oven

It is normal for an electromechanical thermostat to cycle with a 45°F - 50°F (25°C - 28°C) range when checking calibration allow the thermostat to cycle a minimum of two times.

1. Place the thermocouple of the test instrument in the center of the oven.
2. Turn the oven temperature control dial to 400°F (205°C). In order to allow the oven temperature to stabilize, the oven control must be allowed to cycle twice before taking a test reading.
3. Check the temperature reading just when the control cycles "OFF" as indicated by the cycling pilot lamp. If the temperature does not read within 15°F (8°C) of the dial setting, recalibrate as follows:
4. Carefully remove the thermostat dial, not disturbing the dial setting.
5. Hold the thermostat shaft steady with a small flat blade screw driver. Turn the calibration screw located inside the shaft clockwise to decrease the temperature and counter clockwise to increase the temperature. NOTE: each ¼ turn of the screw will create a change of approximately 35°F (20°C).
6. Replace the thermostat dial and repeat steps 1 through 3 to verify that the correct adjustment has been made.



Griddle

1. Use a test instrument with a special disc type thermocouple or a reliable surface type pyrometer. NOTE: a drop of oil on the face of the disc will provide better contact with the plate.
2. Set all griddle thermostats to 350°F (177°C). In order to allow the griddle temperature to stabilize, the thermostats must be allowed to cycle twice before taking a test reading.
3. Check the griddle temperature when the thermostat just cycles "OFF" by placing the thermocouple firmly on the griddle directly about the sensing bulb of the thermostat. The reading should be between 335°F (168°C) and 365°F (185°C). If the reading is outside of these limits, calibrate as follows:
4. Carefully remove the dial, not disturbing the shaft position.
5. Hold the shaft steady and with a small flat screw driver turn the calibration screw located inside the shaft clockwise to decrease temperature and counter clockwise to increase temperature. NOTE: Each ¼ turn of the screw will create a change of approximately 35°F (20°C).
6. Replace the thermostat dial and repeat steps 1 through 3 to verify that a correct adjustment has been made.

MAINTENANCE AND CLEANING continued

Miscellaneous

1. Grease the door hinges and check for loose fasteners. Tighten as necessary.
2. Wire brush the surface of the griddle to remove baked on material, wash with hot water, dry thoroughly. Lightly coat the surface with vegetable oil to prevent rusting.
3. Wipe exposed cleanable surfaces with a mild detergent and hot water. Stubborn residue may be removed with a light weight non-metallic scouring pad. Stainless steel areas should be washed with a mild detergent, hot water and a soft cloth. If necessary use a nonmetallic scouring pad always rub in the of the grain in the metal to prevent scratching. NEVER USE STEEL WOOL.
4. Clean the oven racks shelves and guides with hot soapy water and dry thoroughly. Clean the oven interior with a propriety oven cleaner following instructions.

REPLACEMENT OF PARTS

Servicing must be carried out by competent persons in accordance with the law.

WARNING: Turn off the electrical mains before commencing any servicing work.

Door Switch

1. Drop the lower kick panel.
2. Remove the screws securing the door switch and mounting brackets and remove screws securing the door switch.
3. Remove the terminal cover and disconnect the wires from the terminals on the body of the switch.
4. Replace the faulty door switch.
5. Make certain that the newly installed door switch is properly adjusted so as the interrupt the power supply to the control system and fan motor when the door is opened.

Fan Cook/Cool Down Switch

1. Remove the screws securing the front panel to the front rail and drop the panel.
2. Disconnect the wires from the terminals on the switch.
3. Depress the tabs of the switch body and push the switch through the opening in the control panel.

4. Replace the switch and reassemble in reverse order.

Thermostat

1. Remove the screws securing the front panel to the front rail and drop the panel.
2. Disconnect the wires from the taps on the thermostat.
3. Remove the dial from the thermostat and the screws securing the thermostat body to the control panel.
4. Remove the wires from the thermostat terminals. Be sure to note which wire connects to which terminal on the thermostat.
5. Remove the thermostat bulb.
6. Replace the faulty thermostat and reassemble in reverse order.

Heat On Lamp

1. Remove the screws securing the front panel to the front rail and drop the panel.
2. Disconnect the supply wires to the lamp and remove the faulty lamp.
3. Reassemble in the reverse order.

REPLACEMENT OF PARTS continued

Motor

1. Open the door.
2. Remove the oven racks and guides
3. Remove the two (2) wing screws securing the fan guard and remove the guard.
4. Using a hex head wrench loosen the screw securing the
- blower wheel to the motor shaft and remove the wheel.
5. Remove the four (4) screws securing the motor mount plate to the oven casing back and pull the plate forward into the oven compartment.
6. Disconnect the motor wire connections (note which wires connect to which) and replace faulty motor.
7. Reassemble in reverse order.

TROUBLE SHOOTING

NOTE: Servicing must be carried out by competent persons in accordance with the law.

Griddle Diagnostics

PROBLEM	POSSIBLE CAUSE	SOLUTION
Griddle heating unevenly.	Adjacent griddle is operating at a different temperature.	Check adjacent griddle section.
	Griddle was not thoroughly heated before using.	Allow more time for griddle to saturate. Increase warm-up time.

Hot Top or Open Tubular Diagnostics

PROBLEM	POSSIBLE CAUSE	SOLUTION
Top too hot or too cold.	Defective infinite switch.	Replace infinite switch.
Top not heating at all.	Defective element	Replace element.
	Defective infinite switch.	Replace Infinite switch.

Sealed Hotplate Diagnostics

PROBLEM	POSSIBLE CAUSE	SOLUTION
Water in pot does not Boil. Water takes too long to Boil. Switch set to position '6'.	Pot has irregular bottom.	Use flat bottom pot.
	Pot too large for element size.	Use smaller diameter pot.
	Pot too small for element size.	Use larger diameter pot.
	Element was preheated before pot was placed on element.	Allow element to cool. Protector will reset.
	One element circuit may be defective.	Replace heating element.
	Six heat switch may be defective.	Replace 6 heat switch.

TROUBLE SHOOTING continued

Oven Diagnostics

PROBLEM	POSSIBLE CAUSE	SOLUTION
Oven too hot or not hot enough.	Thermostat out of calibration.	Check Thermostat/replace thermostat.

RC Oven Diagnostics

PROBLEM	POSSIBLE CAUSE	SOLUTION
Cook/Cool Down Switch set to "Cook" position. Light off. Motor not working.	No Power to Oven.	Check power supply.
	Defective Cook/Cool Down switch.	Replace switch.
	Faulty wiring.	Check condition of wires and all connections.
Cook/Cool Down Switch set to "Cook" position. Light on. Motor not working.	Defective door switch.	Replace switch.
	Oven door partially open.	Close door.
	Door switch out of alignment.	Align switch.
	Defective Motor.	Replace Motor.
	Faulty wiring.	Check condition of wires and all connections.
Cook/Cool Down Switch set to "Cook" Position. Motor working, thermostat set to temperature, lamp "on", oven not heating.	Relay RL1 is defective.	Replace relay.
	Defective heating element or wiring.	Replace heating element or repair wiring.
Noisy motor.	Blower wheel rubbing on oven baffled.	Adjust blower wheel.
	Blower wheel loose on motor shaft.	Retighten blower wheel.
	Defective Motor.	Replace Motor.
Cook/Cool Down switch set to "Cool Down", motor not working.	Defective Cook/Cool Down switch.	Replace switch.
	Defective door switch.	Replace switch.
	Door switch out of alignment.	Align switch.
	Faulty wiring.	Check condition of wires and all connections.
Oven too hot or not hot enough.	Thermostat out of calibration.	Check calibration/replace thermostat
Oven doors will not stay closed.	Broken or damaged door spring.	Replace door spring.

Sealed Hoptate Wattages and Applications						
Application	Boiling, Frying, Braising			Simmering		Warming
Dial Setting	6	5	4	3	2	1
8-5/8" (220mm)	2600W	1750W	1300W	450W	340W	240W
7" (180mm)	2000W	1400W	950W	450W	305W	200W

Wiring Diagrams and Loading Charts

GROUP 3 WITH SALAMANDER SS686 Models: -1C-12R, -24R, -2R	GROUP 3 NO SALAMANDER SS686 Models: -1C-12R, -24R, -2R	GROUP 2 WITH SALAMANDER SS686 Models: -12R, -1L-12R, -1R, -1R-12L, -24L	GROUP 2 NO SALAMANDER SS686 Models: -12R, -1L-12R, -1R, -1R-12L, -24L
GROUP 1 WITH SALAMANDER S/SS686 Models: -STD, -12L, -1C, -1C-12L, -1L, -1L-24R, -1R-24L, -2L, -2L-12R, -2R-12L, -36	GROUP 1 NO SALAMANDER S/SS686 Models: -STD, -12L, -1C, -1C-12L, -1L, -1L-24R, -1R-24L, -2L, -2L-12R, -2R-12L, -36	GROUP 2 WITH SALAMANDER SS686 Models: -12R, -1L-12R, -1R, -1R-12L, -24L	GROUP 2 NO SALAMANDER SS686 Models: -12R, -1L-12R, -1R, -1R-12L, -24L

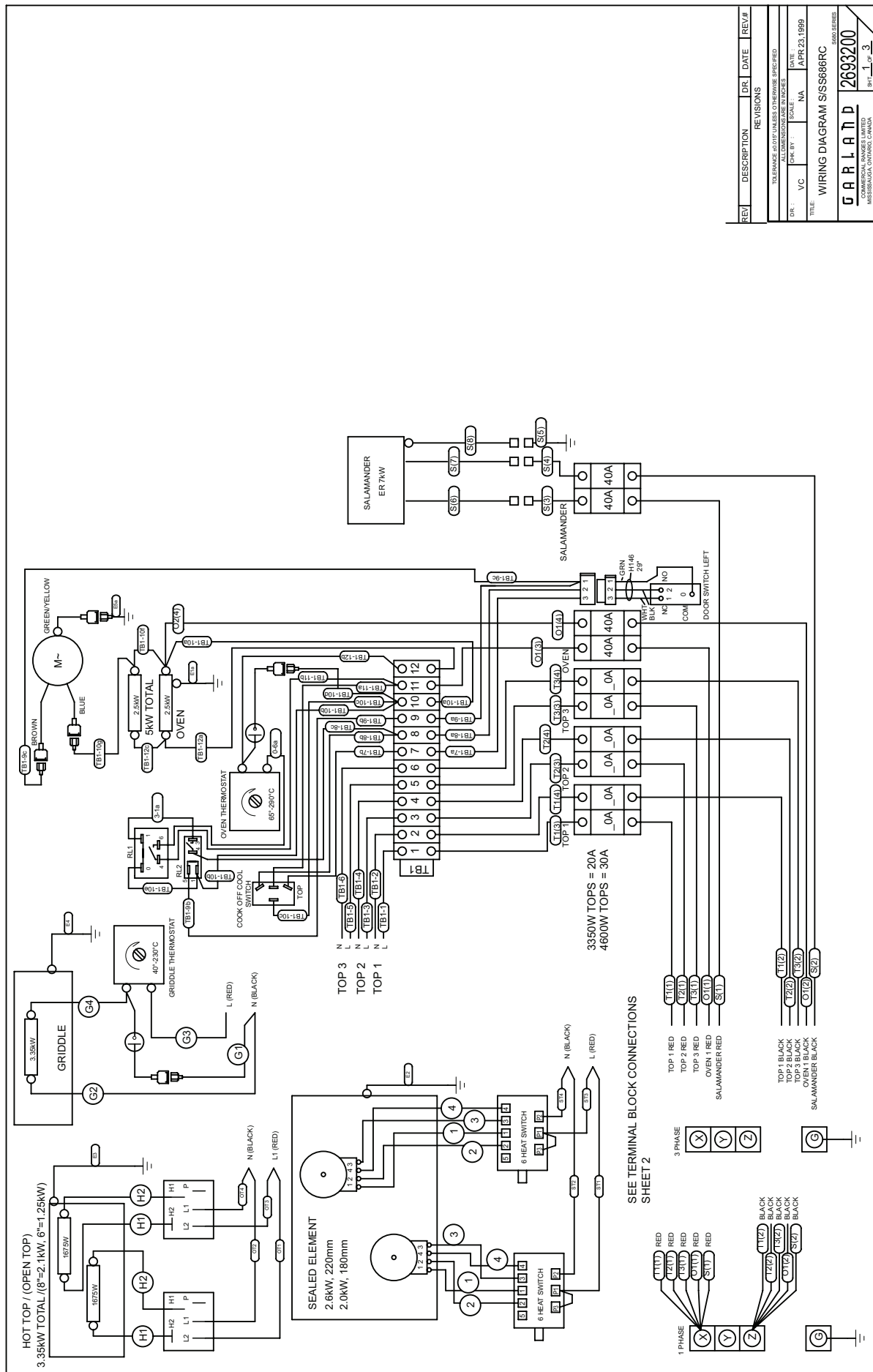
REV	DESCRIPTION	DR	DATE	REV#

TOLERANCE: 20% UNLESS OTHERWISE SPECIFIED	
DATE	APR 23 1999
CHECKED BY	NA
SCALE	
TITLE: WIRING DIAGRAM S/SS686	
DRAWN BY: G A R L A N D	
2693100	
SHEET 2 OF 2	

Part # P152 Rev 1 (01/13/10)

MODEL

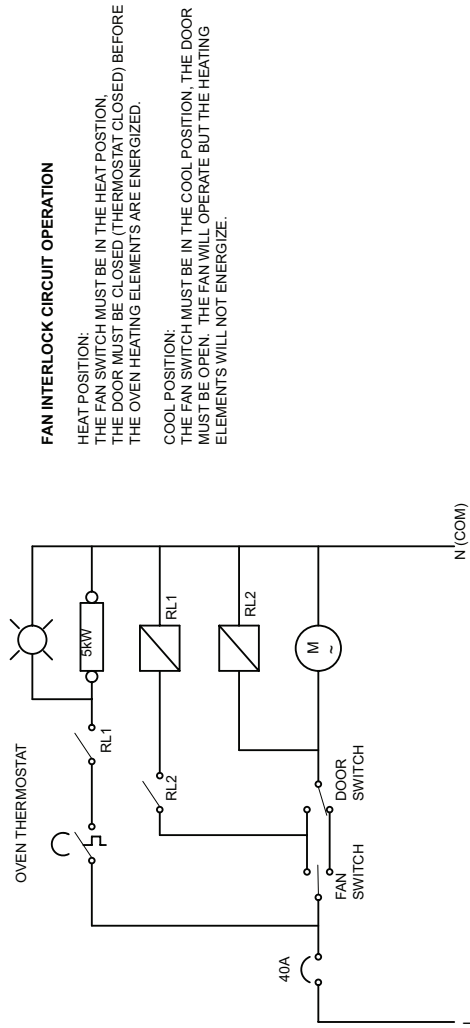
Phase grouping		Loading chart									
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 2	400V 3N~	18.65	9.20	4.60	4.85	40.00	20.00	21.09	81.09
L2		Top 3	415V 3N~	18.65	9.20	4.60	4.85	38.33	19.17	20.21	77.71
L3		380V 3N~	17.06	8.42	4.21	4.44	38.26	19.13	20.17	77.56	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Oven	Top 1, Top 3	400V 3N~	25.65	9.2	9.45	7.0	40.00	41.09	30.43	111.52
L2		Top 2, Oven	415V 3N~	25.65	9.2	9.45	7.0	38.33	39.38	29.17	106.88
L3		Salamander	380V 3N~	23.47	8.42	8.65	6.40	38.26	39.30	29.11	106.67
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 2	400V 3N~	17.40	7.95	4.60	4.85	34.57	20.00	21.09	75.65
L2		Top 3	415V 3N~	17.40	7.95	4.60	4.85	33.13	19.17	20.21	72.50
L3		380V 3N~	15.92	7.27	4.21	4.44	33.06	19.13	20.17	72.36	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 1, Top 3	400V 3N~	24.4	7.95	9.45	7.00	34.57	41.09	30.43	106.09
L2		Top 2, Oven	415V 3N~	24.4	7.95	9.45	7.00	33.13	39.38	29.17	101.67
L3		380V 3N~	22.32	7.27	8.65	6.40	33.06	39.30	29.11	101.47	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 3	400V 3N~	17.40	7.95	4.60	4.85	34.57	20.00	21.09	75.65
L2		Top 2	415V 3N~	17.40	7.95	4.60	4.85	33.13	19.17	20.21	72.50
L3		380V 3N~	15.92	7.27	4.21	4.44	33.06	19.13	20.17	72.36	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 1, Top 2	400V 3N~	24.4	7.95	9.45	7.00	34.57	41.09	30.43	106.09
L2		Top 3, Oven	415V 3N~	24.4	7.95	9.45	7.00	33.13	39.38	29.17	101.67
L3		380V 3N~	22.32	7.27	8.65	6.40	33.06	39.30	29.11	101.47	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 2	400V 3N~	16.15	6.7	4.6	4.85	29.13	20.00	21.09	70.22
L2		Top 3	415V 3N~	16.15	6.7	4.6	4.85	27.92	19.17	20.21	67.29
L3		380V 3N~	14.78	6.13	4.21	4.44	27.86	19.13	20.17	67.16	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 1, Top 2	400V 3N~	23.15	6.7	9.45	7.0	29.13	41.09	30.43	100.65
L2		Top 3, Oven	415V 3N~	23.15	6.7	9.45	7.0	27.92	39.38	29.17	96.46
L3		380V 3N~	21.18	6.13	8.65	6.40	27.86	39.30	29.11	96.28	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 3	400V 3N~	16.15	6.7	4.6	4.85	29.13	20.00	21.09	70.22
L2		Top 2	415V 3N~	16.15	6.7	4.6	4.85	27.92	19.17	20.21	67.29
L3		380V 3N~	14.78	6.13	4.21	4.44	27.86	19.13	20.17	67.16	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 1, Top 3	400V 3N~	23.15	6.7	9.45	7.0	29.13	41.09	30.43	100.65
L2		Top 2, Oven	415V 3N~	23.15	6.7	9.45	7.0	27.92	39.38	29.17	96.46
L3		380V 3N~	21.18	6.13	8.65	6.40	27.86	39.30	29.11	96.28	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 2, Top 3	400V 3N~	16.15	6.7	4.6	4.85	29.13	20.00	21.09	70.22
L2		Top 1	415V 3N~	16.15	6.7	4.6	4.85	27.92	19.17	20.21	67.29
L3		380V 3N~	14.78	6.13	4.21	4.44	27.86	19.13	20.17	67.16	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 2, Top 3	400V 3N~	23.15	6.7	9.45	7.0	29.13	41.09	30.43	100.65
L2		Top 1, Oven	415V 3N~	23.15	6.7	9.45	7.0	27.92	39.38	29.17	96.46
L3		380V 3N~	21.18	6.13	8.65	6.40	27.86	39.30	29.11	96.28	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 2, Top 3	400V 3N~	16.15	6.7	4.6	4.85	29.13	20.00	21.09	70.22
L2		Top 1	415V 3N~	16.15	6.7	4.6	4.85	27.92	19.17	20.21	67.29
L3		380V 3N~	14.78	6.13	4.21	4.44	27.86	19.13	20.17	67.16	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 2, Top 3	400V 3N~	23.15	6.7	9.45	7.0	29.13	41.09	30.43	100.65
L2		Top 1, Oven	415V 3N~	23.15	6.7	9.45	7.0	27.92	39.38	29.17	96.46
L3		380V 3N~	21.18	6.13	8.65	6.40	27.86	39.30	29.11	96.28	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Oven	Top 1, Top 2	400V 3N~	14.9	6.7	3.35	4.85	29.13	14.57	21.09	64.78
L2		Top 3	415V 3N~	14.9	6.7	3.35	4.85	27.92	13.96	20.21	62.08
L3		380V 3N~	13.63	6.13	3.07	4.44	27.86	13.93	20.17	61.97	
export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Salamander	Top 1, Top 2	400V 3N~	21.9	6.7	8.2	7.0	29.13	35.65	30.43	95.22
L2		Top 3, Oven	415V 3N~	21.9	6.7	8.2	7.0	27.92	34.17	29.17	91.25
L3		380V 3N~	20.04	6.13	7.50	6.40	27.86	34.10	29.11	91.08	



REV	DESCRIPTION	DR	DATE	REV#
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	GROUP 3 WITH SALMANDER SS686RC Models: -1C-12R, -24R, -2R	GROUP 1 WITH SALMANDER SS686RC Models: -STD, -12L, -1C, -1C-12L, -1L, -1L-24R, -1R-24L, -2L, -2L-12R, -2R-12L, -36
	GROUP 3 NO SALMANDER SS686RC Models: -1C-12R, -24R, -2R	GROUP 1 NO SALMANDER S/SS686RC Models: -STD, -12L, -1C, -1C-12L, -1L, -1L-24R, -1R-24L, -2L, -2L-12R, -2R-12L, -36
	GROUP 2 WITH SALMANDER SS686RC Models: -12R, -1L-12R, -1R, -1R-12L, -24L	GROUP 2 NO SALMANDER SS686RC Models: -12R, -1L-12R, -1R, -1R-12L, -24L

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE .010" UNLESS OTHERWISE SPECIFIED				
DR	VC	DATE	NA	DATE
		APR 23, 1999		
TITLE: WIRING DIAGRAM S/SS686RC				
G A R L A N D 2693200				
MISSISSAUGA, ONTARIO, CANADA				
SHEET 2 OF 3				



REV	DESCRIPTION	DR	DATE	REV #
REVISIONS				
TOLERANCE & FIT UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR	VC	GC	NA	DATE
				APR 23 1999
TITLE				
WIRING DIAGRAM S/SS686RC				
8000 SERIES				
2693200				
SHEET 3 OF 3				
DESIGNED BY: J. L. BROWN DRAWN BY: J. L. BROWN CHECKED BY: J. L. BROWN APPROVED BY: J. L. BROWN MILWAUKEE, WISCONSIN, U.S.A.				

MODEL

SS686RC 5TD NO SALAMANDER

Phase grouping		Loading chart									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	19.30	208	9.20	4.60	5.50	58.51	61.85	42.11	92.79
		Top 3	19.30	240	9.20	4.60	5.50	50.71	53.60	36.49	80.42
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	26.30	208	9.20	10.10	7.00	80.39	67.66	71.59	126.44
		Top 3, Oven	26.30	240	9.20	10.10	7.00	69.67	58.64	62.04	109.58
		Salamander									

WITH SALAMANDER

SS686RC-1L SS686RC-1C SS686RC-12L NO SALAMANDER

domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	18.05	208	7.95	4.60	5.50	52.87	56.31	42.11	86.78
		Top 3	18.05	240	7.95	4.60	5.50	45.82	48.80	36.49	75.21
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	25.05	208	7.95	10.10	7.00	75.33	62.29	71.59	120.43
		Top 3, Oven	25.05	240	7.95	10.10	7.00	65.29	53.98	62.04	104.38
		Salamander									

WITH SALAMANDER

SS686RC-1R SS686-12R NO SALAMANDER

domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 3	18.05	208	7.95	4.60	5.50	52.87	56.31	42.11	86.78
		Top 2	18.05	240	7.95	4.60	5.50	45.82	48.80	36.49	75.21
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 3	25.05	208	7.95	10.10	7.00	75.33	62.29	71.59	120.43
		Top 2, Oven	25.05	240	7.95	10.10	7.00	65.29	53.98	62.04	104.38
		Salamander									

WITH SALAMANDER

SS686RC-2L SS686RC-1C-12L SS686RC-24 NO SALAMANDER

domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	16.80	208	6.70	4.60	5.50	47.32	50.88	42.11	80.77
		Top 3	16.80	240	6.70	4.60	5.50	41.01	44.09	36.49	70.00
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	23.80	208	6.70	10.10	7.00	70.42	57.05	71.59	114.42
		Top 3, Oven	23.80	240	6.70	10.10	7.00	61.03	49.44	62.04	99.17
		Salamander									

WITH SALAMANDER

SS686RC-1R-12L SS686RC-1L-12R NO SALAMANDER

domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 3	16.80	208	6.70	4.60	5.50	47.32	50.88	42.11	80.77
		Top 2	16.80	240	6.70	4.60	5.50	41.01	44.09	36.49	70.00
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 3	23.80	208	6.70	10.10	7.00	70.42	57.05	71.59	114.42
		Top 2, Oven	23.80	240	6.70	10.10	7.00	61.03	49.44	62.04	99.17
		Salamander									

WITH SALAMANDER

SS686RC-2R SS686RC-1C-12R SS686RC-24R NO SALAMANDER

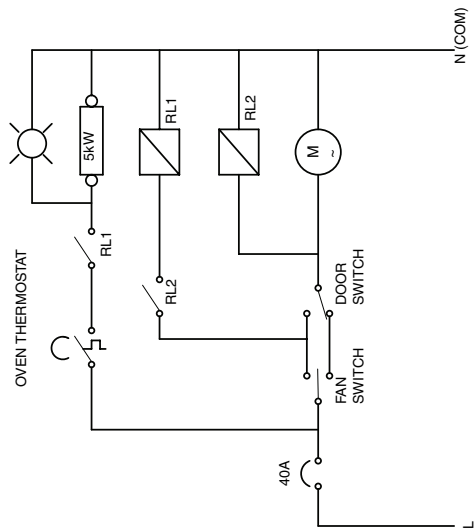
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 2, Top 3	16.80	208	6.70	4.60	5.50	47.32	50.88	42.11	80.77
		Top 1	16.80	240	6.70	4.60	5.50	41.01	44.09	36.49	70.00
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 2, Top 3	23.80	208	6.70	10.10	7.00	70.42	57.05	71.59	114.42
		Top 1, Oven	23.80	240	6.70	10.10	7.00	61.03	49.44	62.04	99.17
		Salamander									

WITH SALAMANDER

SS686RC-2R-12L SS686RC-2L-12R SS-686RC-1L-24R SS686-1R-24L SS686RC-36 S686RC all models NO SALAMANDER

domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	15.55	208	6.70	3.35	5.50	42.61	50.88	37.21	74.76
		Top 3	15.55	240	6.70	3.35	5.50	36.93	44.09	32.25	64.79
		Oven									
domestic (delta)		load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Y-Z	Top 1, Top 2	22.55	208	6.70	8.85	7.00	64.95	57.05	66.14	108.41
		Top 3, Oven	22.55	240	6.70	8.85	7.00	56.29	49.44	57.32	93.96
		Salamander									

WITH SALAMANDER



FAN INTERLOCK CIRCUIT OPERATION

HEAT POSITION:
THE FAN SWITCH MUST BE IN THE HEAT POSITION.
THE DOOR MUST BE CLOSED (THERMOSTAT CLOSED) BEFORE
THE OVEN HEATING ELEMENTS ARE ENERGIZED.

COOL POSITION:
THE FAN SWITCH MUST BE IN THE COOL POSITION. THE DOOR
MUST BE OPEN. THE FAN WILL OPERATE BUT THE HEATING
ELEMENTS WILL NOT ENERGIZE.

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE .015 UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR :	VC	SCALE :	NA	DATE : APR 26, 1999
TITLE				
RC OVEN SCHEMATIC SU686FC				
6860 SERIES				
GARLAND				
2693201				
CONTRACTOR: GARLAND ASSOCIATES, INC. MISSISSAUGA, ONTARIO, CANADA				
SHEET 3 OF 3				

MODEL

NO SALAMANDER

SU686RC STD

Phase grouping export (wye) Loading Chart

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	19.3	9.2	4.6	5.5	40.00	20.00	23.91	83.91
L2	Top 3	19.3	9.2	4.6	5.5	38.33	19.17	22.92	80.42
L3	Oven	17.66	8.42	4.21	5.03	38.26	19.13	22.87	80.26
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	26.3	9.2	10.1	7.0	40.00	43.91	30.43	114.35
L2	Top 3, Oven	26.3	9.2	10.1	7.0	38.33	42.08	29.17	109.58
L3	Salamander	24.06	8.42	9.24	6.40	38.26	42.00	29.11	109.38

WITH SALAMANDER

SU686RC-1L SU686RC-1C
SU686RC-12L

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	18.05	7.95	4.6	5.5	34.57	20.00	23.91	78.48
L2	Top 3	18.05	7.95	4.6	5.5	33.13	19.17	22.92	75.21
L3	Oven	16.51	7.27	4.21	5.03	33.06	19.13	22.87	75.07
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	25.05	7.95	10.1	7.0	34.57	43.91	30.43	108.91
L2	Top 3, Oven	25.05	7.95	10.1	7.0	33.13	42.08	29.17	104.38
L3	Salamander	22.92	7.27	9.24	6.40	33.06	42.00	29.11	104.18

WITH SALAMANDER

SU686RC-1R SU686RC-12R

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3	18.05	7.95	4.6	5.5	34.57	20.00	23.91	78.48
L2	Top 2	18.05	7.95	4.6	5.5	33.13	19.17	22.92	75.21
L3	Oven	16.51	7.27	4.21	5.03	33.06	19.13	22.87	75.07
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3	25.05	7.95	10.1	7.0	34.57	43.91	30.43	108.91
L2	Top 2, Oven	25.05	7.95	10.1	7.0	33.13	42.08	29.17	104.38
L3	Salamander	22.92	7.27	9.24	6.40	33.06	42.00	29.11	104.18

WITH SALAMANDER

SU686RC-2L SU686RC-1C-12L
SU686RC-24L

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	16.8	6.7	4.6	5.50	29.13	20.00	23.91	73.04
L2	Top 3	16.8	6.7	4.6	5.50	27.92	19.17	22.92	70.00
L3	Oven	15.37	6.13	4.21	5.03	27.86	19.13	22.87	69.87
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	23.8	6.7	10.1	7.0	29.13	43.91	30.43	103.48
L2	Top 3, Oven	23.8	6.7	10.1	7.0	27.92	42.08	29.17	99.17
L3	Salamander	21.78	6.13	9.24	6.40	27.86	42.00	29.11	98.98

WITH SALAMANDER

SU686RC-1R-12L
SU686RC-1L-12R

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3	16.8	6.7	4.6	5.50	29.13	20.00	23.91	73.04
L2	Top 2	16.8	6.7	4.6	5.50	27.92	19.17	22.92	70.00
L3	Oven	15.37	6.13	4.21	5.03	27.86	19.13	22.87	69.87
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3	23.8	6.7	10.1	7.0	29.13	43.91	30.43	103.48
L2	Top 2, Oven	23.8	6.7	10.1	7.0	27.92	42.08	29.17	99.17
L3	Salamander	21.78	6.13	9.24	6.40	27.86	42.00	29.11	98.98

WITH SALAMANDER

SU686RC-2R SU686RC-1C-12R
SU686RC-24R

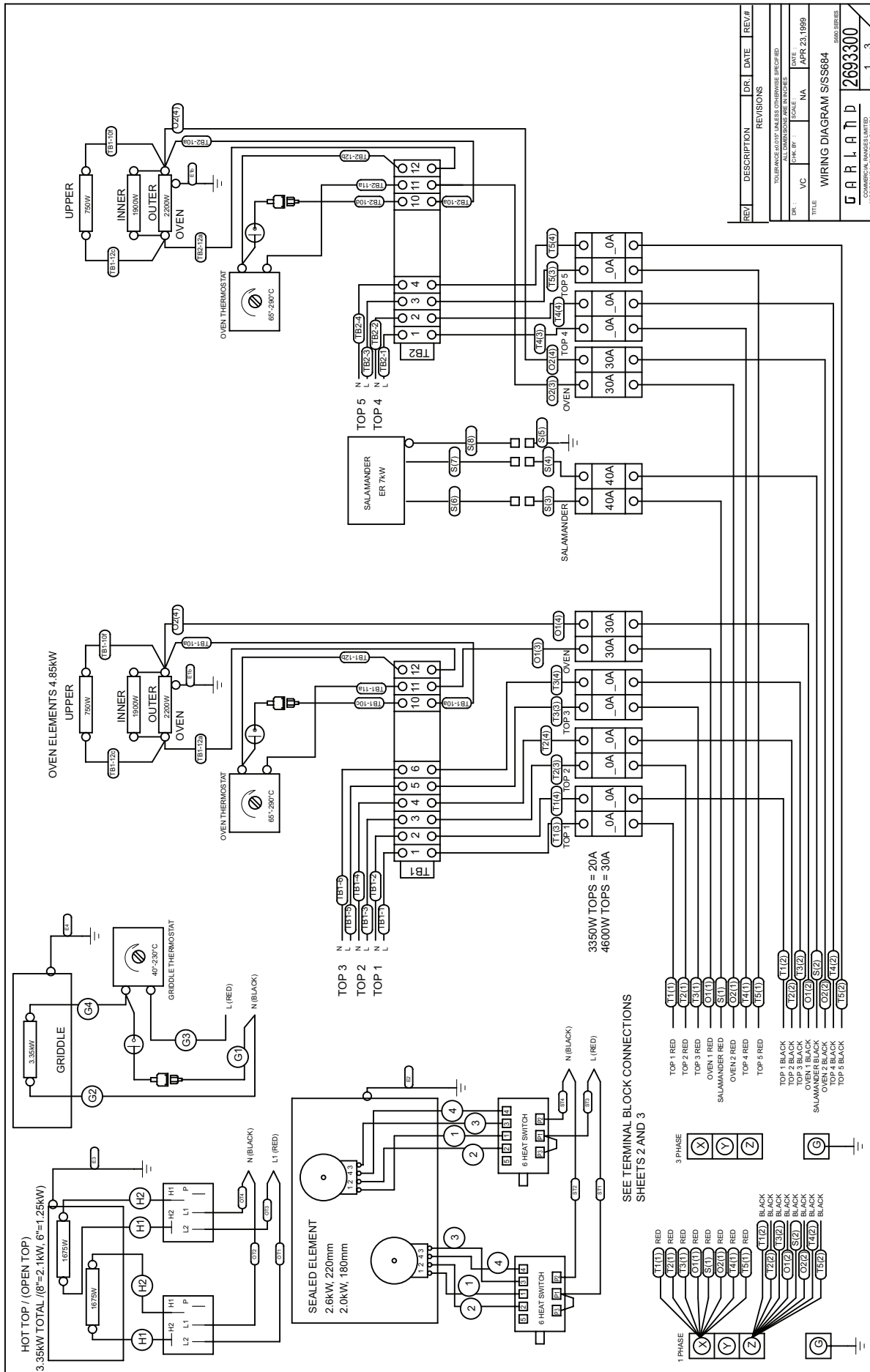
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3	16.8	6.7	4.6	5.50	29.13	20.00	23.91	73.04
L2	Top 1	16.8	6.7	4.6	5.50	27.92	19.17	22.92	70.00
L3	Oven	15.37	6.13	4.21	5.03	27.86	19.13	22.87	69.87
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3	23.8	6.7	10.1	7.0	29.13	43.91	30.43	103.48
L2	Top 1, Oven	23.8	6.7	10.1	7.0	27.92	38.50	29.17	99.17
L3	Salamander	21.78	6.13	9.24	6.40	27.86	42.00	29.11	98.98

WITH SALAMANDER

SU686RC-2L-12R
SU686RC-1L-124R
SU686RC-2R-12L
SU686RC-1R-24L
SU686RC-36

	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2	15.55	6.7	3.35	5.50	29.13	14.57	23.91	67.61
L2	Top 3	15.55	6.7	3.35	5.50	27.92	13.96	22.92	64.79
L3	Oven	14.23	6.13	3.07	5.03	27.86	13.93	22.87	64.67
	load	total kW	kWL1	kWL2	kWL3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3	22.55	6.7	8.85	7.0	29.13	38.48	30.43	98.04
L2	Top 2, Oven	22.55	6.7	8.85	7.0	27.92	33.74	29.17	93.96
L3	Salamander	20.63	6.13	8.10	6.40	27.86	36.81	29.11	93.78

WITH SALAMANDER

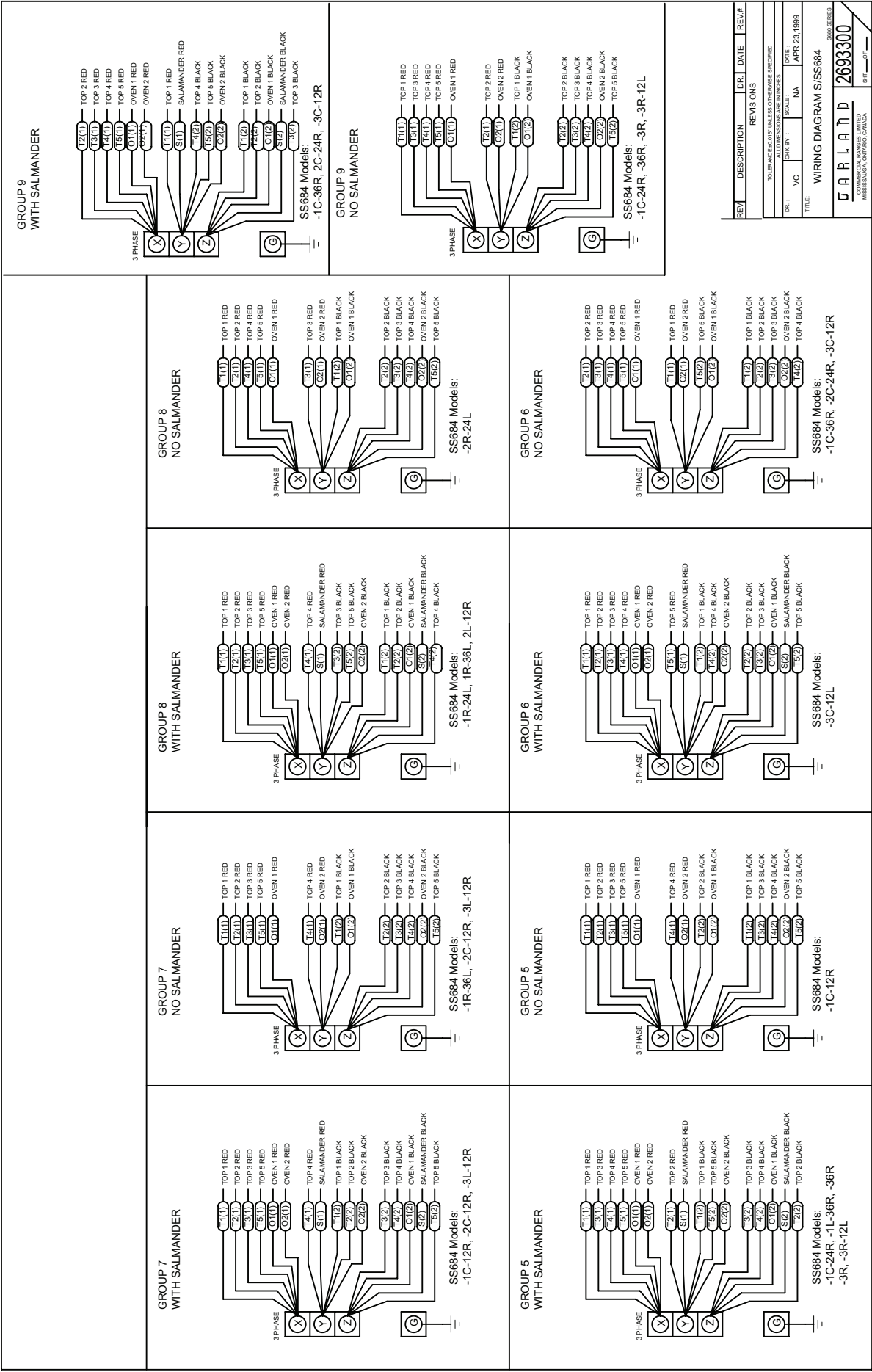


REV	DESCRIPTION	DR	DATE	REV#
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GROUP 3 WITH SALMANDER		GROUP 3 NO SALMANDER		GROUP 4 WITH SALMANDER		GROUP 4 NO SALMANDER	
SS684 Models: -1C, -1C-12L		SS684 Models: -1L-36R		SS684 Models: -1L-24R, -24R, -2R, -2R-12L, -2R-24L		SS684 Models: -1L-24R, -24R, -2L-24R, 2R, -2R-12L	
GROUP 1 WITH SALMANDER		GROUP 1 NO SALMANDER		GROUP 2 WITH SALMANDER		GROUP 2 NO SALMANDER	
SS684 Models: -STD, -12L, -1C-24L, -1C-36L, -1L, -24L, -2C-12L, -2C-24L, -2L, -2L-24R, -2L-36R, -2R-36L, -36L, -3L, -3L-24R, -3R-24L		S/SS684 Models: -STD, -12L, -1C, -1C-12L, -1C-24L, -1C-36L, -1L, -24L, -2C-12L, -2C-24L, -2L, -2L-36R, -2L-36L, -36L, -3C-12L, -3L, -3L-24R, -3R-24L		SS684 Models: -12R, -1L-12R, -1R, -1R-12L, -12R, -1L-12R, -1R, -1R-12L		SS684 Models: -12R, -1L-12R, -1R, -1R-12L, -12R, -1L-12R, -1R, -1R-12L	

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE .010" UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR	VC	DATE	NA	DATE
WIR	WIR	WIR	WIR	WIR
TITLE: WIRING DIAGRAM S/SS684				
9800 SERIES				
G A R L A T D 2693300				
COMPARISON SHEET				
MASSACHUSETTS, CANADA				
SHT 2 OF 3				

REV	DESCRIPTION	DR	DATE	REV #
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99	DESCRIPTION	DR	DATE	REV #
100	DESCRIPTION	DR	DATE	REV #



MODEL

SS684STD

NO SALAMANDER

Phase grouping

Loading chart

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2 Top 3	32.70	208	13.80	9.45	9.45	97.37	97.37	78.69	157.21
X-Y	Top 4, Oven 1	32.70	240	13.80	9.45	9.45	84.38	84.38	69.20	136.25
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1 Top 2, Oven 1	39.70	208	14.05	14.05	11.60	117.00	106.96	106.96	190.87
X-Y	Top 3, Top 4, Oven 2	39.70	240	14.05	14.05	11.60	101.40	92.70	92.70	165.42
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684-1L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2 Top 3	31.45	208	12.55	9.45	9.45	91.90	91.90	78.69	151.20
X-Y	Top 4, Oven 1	31.45	240	12.55	9.45	9.45	79.65	79.65	68.20	131.04
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	38.45	208	12.80	14.05	11.60	111.83	101.63	106.96	184.86
X-Y	Top 3, Top 4, Oven 2	38.45	240	12.80	14.05	11.60	96.92	88.08	92.70	160.21
Y-Z	Top 5, Salamander									

SS684-1C

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	31.45	208	12.55	9.45	9.45	91.90	91.90	78.69	131.20
X-Y	Top 4, Oven 1	31.45	240	12.55	9.45	9.45	79.65	79.65	68.20	131.04
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Oven 1	38.45	208	12.80	14.05	11.60	111.83	101.63	106.96	184.86
X-Y	Top 2, Top 4 Oven 2	38.45	240	12.80	14.05	11.60	96.20	88.08	92.70	160.21
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684-1R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top5	31.45	208	12.55	9.45	9.45	91.90	91.90	78.69	151.20
X-Y	Top 3, Oven 1	31.45	240	12.55	9.45	9.45	70.65	79.65	68.20	131.04
Y-Z	Oven 2 Top 4									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 5, Oven 1	38.45	208	12.80	14.05	11.60	111.83	101.63	106.96	184.86
X-Y	Top 2, Top 3, Oven 2	38.45	240	12.80	14.05	11.60	96.92	88.08	92.70	160.21
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684-24L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	30.20	208	11.3	9.45	9.45	86.51	86.51	78.69	145.19
X-Y	Top 4, Oven 1	30.20	240	11.3	9.45	9.45	74.97	74.97	68.20	125.83
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	37.20	208	11.55	14.05	11.5	106.76	96.39	106.96	178.85
X-Y	Top 3, Top 4, Oven 2	37.20	240	11.55	14.05	11.6	92.52	83.54	92.70	155.00
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684-1C-12L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	30.20	208	11.3	9.45	9.45	86.52	86.51	78.69	145.19
X-Y	Top 4, Oven 1	30.20	240	11.3	9.45	9.45	74.77	74.97	68.20	125.83
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Oven 1	37.20	208	11.55	14.05	11.6	106.76	96.39	106.96	178.85
X-Y	Top 2, Top 4, Oven 2	37.20	240	11.55	14.05	11.6	92.52	83.54	92.70	155.00
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684-1L-12R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kw X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top1, Top2, Top 5	30.20	208	11.3	9.45	9.45	86.51	86.51	78.69	145.19
X-Y	Top 3, Oven 1	30.20	240	11.3	9.45	9.45	74.97	74.97	68.20	125.83
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	kw X-Z	kW X-Y	kw Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 5, Oven 1	37.20	208	11.55	14.05	11.6	106.76	96.39	106.96	178.85
X-Y	Top 2, Top 3, Oven 2	37.20	240	11.55	14.05	11.6	92.52	83.54	92.70	155.00
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684-1C-12R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kw X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Top 5	30.20	208	11.3	9.45	9.45	86.51	86.51	78.69	145.19
X-Y	Top 2, Oven 1	30.20	240	11.3	9.45	9.45	74.97	74.97	68.20	125.83
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 3, Top 5, Oven 1	37.20	208	11.55	14.05	11.6	106.76	96.39	106.96	178.85
X-Y	Top 1, Top 2, Oven 2	37.20	240	11.55	14.05	11.6	92.52	83.54	92.70	155.00
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684-2R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 4, Top 5	30.20	208	11.3	9.45	9.45	86.51	86.51	78.69	145.19
X-Y	Top 2, Oven 1	30.20	240	11.3	9.45	9.45	74.97	74.97	68.20	125.83
Y-Z	Oven 2, Top 3									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 4, Top 5, Oven 1	37.20	208	11.55	14.05	11.6	106.76	96.39	106.96	178.85
X-Y	Top 1, Top 2, Oven 2	37.20	240	11.55	14.05	11.6	92.52	83.54	92.70	155.00
Y-Z	Top 3, Salamander									

WITH SALAMANDER

SS684-3L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18
X-Y	Top 4, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kw	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
X-Y	Top 3, Top 4, Oven 2	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684-2L-12R

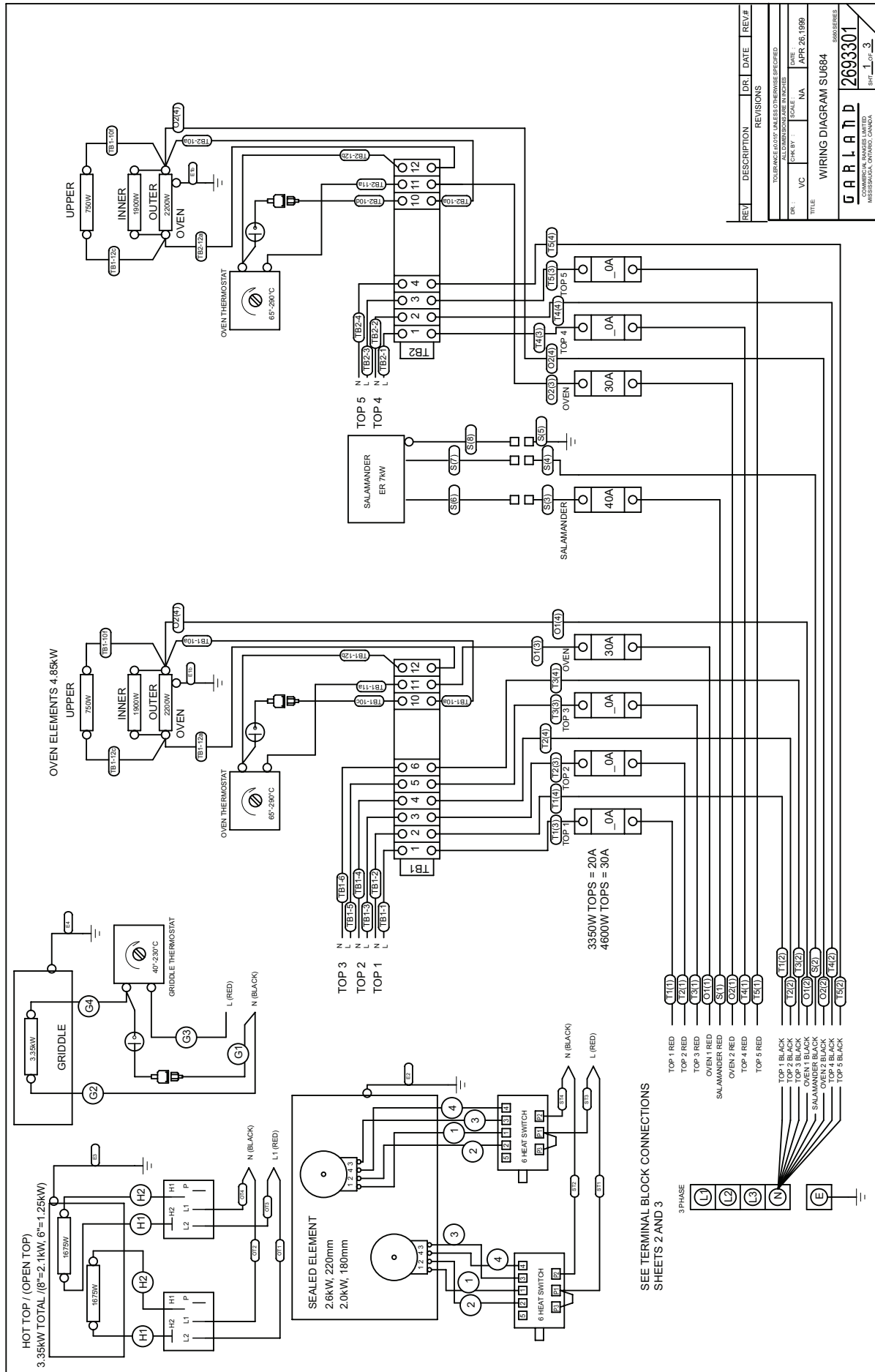
NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 5	28.95	208	10.05	9.45	9.45	81.20	82.20	78.69	139.18
X-Y	Top 3, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	Kw X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
X-Y	Top 3, Top 5, Oven 5	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79
Y-Z	Top 4, Salamander									

WITH SALAMANDER

MODEL

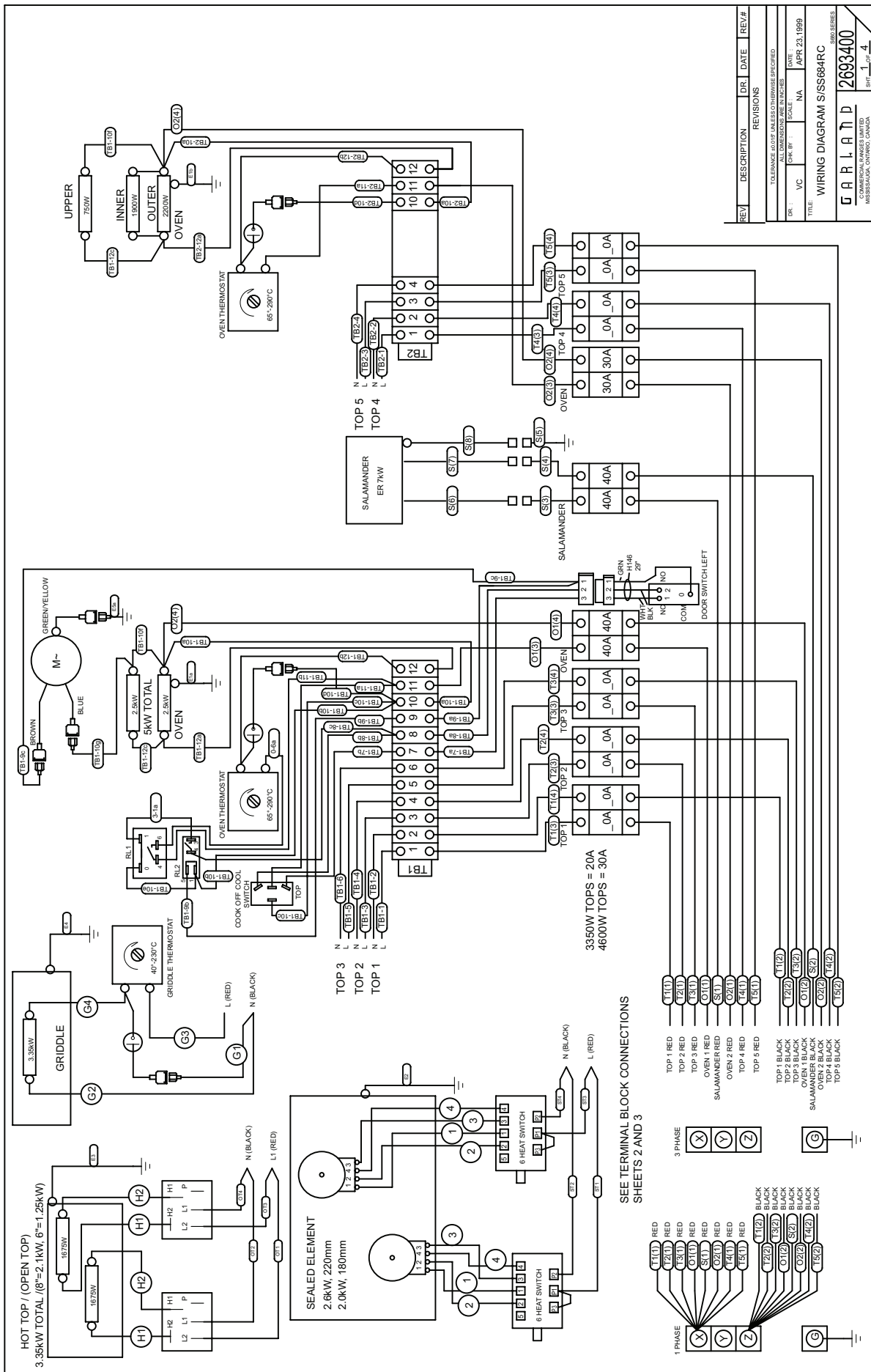
		Phase grouping		Loading chart								
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
SS684-2R-12L SS684-1L-24R	NO SALAMANDER	X-Z	Top 1, Top 4, Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18
		X-Y	Top 2, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63
		Y-Z	Oven 2, Top 3									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 4, Top 5, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
		X-Y	Top 1, Top 2, Oven 2	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79
	Y-Z	Top 3, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 5, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
		X-Y	Top 1, Top 2, Oven 2	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79
		Y-Z	Top 3, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3 Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18
X-Y	Top 1, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63		
Y-Z	Oven 2, Top 4											
SS684-2C-12R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3 Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18
		X-Y	Top 1, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63
		Y-Z	Oven 2, Top 4									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 5, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
	X-Y	Top 1, Top 2, Oven 2	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79	
	Y-Z	Top 4 Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
		X-Y	Top 1, Top 2, Oven 2	35.95	240	11.55	12.8	11.6	87.90	83.54	88.08	149.79
		Y-Z	Top 4 Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 3, Top 4, Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18	
X-Y	Top 1, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63		
Y-Z	Oven 2, Top 2											
SS684-3R SS684-1C-24R SS684-36r	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18
		X-Y	Top 1, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63
		Y-Z	Oven 2, Top 2									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
	X-Y	Top 1, Top 5, Oven 2	35.95	240	11.55	12.8	11.6	87.90	88.54	88.08	149.79	
	Y-Z	Top 2, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Oven 1	35.95	208	11.55	12.8	11.6	101.43	96.39	101.63	172.84
		X-Y	Top 1, Top 5, Oven 2	35.95	240	11.55	12.8	11.6	87.90	88.54	88.08	149.79
		Y-Z	Top 2, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 3, Top 4, Top 5	28.95	208	10.05	9.45	9.45	81.20	81.20	78.69	139.18	
X-Y	Top 1, Oven 1	28.95	240	10.05	9.45	9.45	70.38	70.38	68.20	120.63		
Y-Z	Oven 2, Top 2											
SS684-1C-36L SS684-2C-24L SS684-3C-12L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17
		X-Y	Top 4, Oven 1	27.70	240	10.05	8.20	9.45	66.97	70.38	63.74	115.42
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
	X-Y	Top 3, Top 4, Oven 2	34.70	240	11.55	11.55	11.50	83.35	83.54	83.54	144.58	
	Y-Z	Top 5 Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
		X-Y	Top 3, Top 4, Oven 2	34.70	240	11.55	11.55	11.50	83.35	83.54	83.54	144.58
		Y-Z	Top 5 Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 1, Top 2, Top 3	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17	
X-Y	Top 4, Oven 1	27.70	240	10.05	8.20	9.45	66.97	70.38	63.74	115.42		
Y-Z	Oven 2, Top 5											
SS684-3R-12L SS684-1L-36R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4 Top 5	27.70	208	10.05	8.20	9.45	76.12	61.20	73.55	133.17
		X-Y	Top 1 Oven 1	27.70	240	10.05	8.20	9.45	66.97	70.38	63.74	115.42
		Y-Z	Oven 2, Top 2									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
	X-Y	Top 1, Top 5, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58	
	Y-Z	Top 2, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 4, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
		X-Y	Top 1, Top 5, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58
		Y-Z	Top 2, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 3, Top 4, Top 5	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17	
X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	66.97	70.38	63.74	115.42		
Y-Z	Oven 2, Top 2											
SS684-1C-36R SS684-2C-24R SS684-3C-12R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	Kw X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3, Top 4	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17
		X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	65.97	70.38	63.74	115.42
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
	X-Y	Top 4, Top 5, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58	
	Y-Z	Top 1, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
		X-Y	Top 4, Top 5, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58
		Y-Z	Top 1, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 2, Top 3, Top 4	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17	
X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	65.97	70.38	63.74	115.42		
Y-Z	Oven 2, Top 5											
SS684-3L-12R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 3, Top 5	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17
		X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	65.97	70.38	63.74	115.42
		Y-Z	Oven 2, Top 4									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 5, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
	X-Y	Top 1, Top 2, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58	
	Y-Z	Top 4, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 3, Top 5, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
		X-Y	Top 1, Top 2, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.54	83.54	144.58
		Y-Z	Top 4, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z		Top 2, Top 3, Top 5	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17	
X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	65.97	70.38	63.74	115.42		
Y-Z	Oven 2, Top 4											
SS684-2R-24L SS684-1L-24R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 2, Top 4, Top 5	27.70	208	10.05	8.20	9.45	76.12	81.20	73.55	133.17
		X-Y	Top 1, Oven 1	27.70	240	10.05	8.20	9.45	65.97	70.38	63.74	115.42
		Y-Z	Oven 2 Top 35									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 4, Top 5, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
	X-Y	Top 1, Top 2, Oven 2	34.70	240	11.55	11.55	11.60	83.35	83.35	83.35	144.58	
	Y-Z	Top 3, Salamander										
	WITH SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 4, Top 5, Oven 1	34.70	208	11.55	11.55	11.60	96.18	96.39	96.39	166.83
		X-Y	Top 3, Top 4, Oven 2	33.45	240	11.55	11.55	10.35	96.18	91.23	91.23	160.82
		Y-Z	Top 5, Salamander									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A



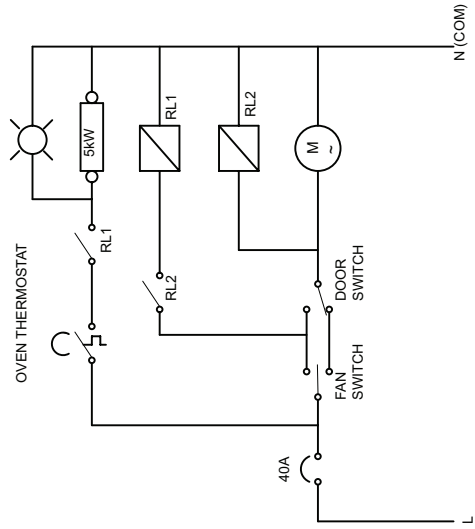
GROUP 3 WITH SALAMANDER SU684 Models: -1C, -1C-12L	GROUP 3 NO SALAMANDER SU684 Models: -1L-36R	GROUP 4 WITH SALAMANDER SU684 Models: -1L-24R, -24R, -2R, -2R-12L, -2R-24L	GROUP 4 NO SALAMANDER SU684 Models: -1L-24R, -24R, -2L-24R, 2R, -2R-12L
GROUP 1 WITH SALAMANDER SU684 Models: -STD, -12L, -1C-24L, -1C-36L, -1L, -24L, -2C-12L, -2C-24L, -2L, -2L-24R, -2L-36R, -2R-36L, -36L, -3L, -3L-24R, -3R-24L	GROUP 1 NO SALAMANDER SU684 Models: -STD, -12L, -1C, -1C-12L, -1C-24L, -1C-36L, -1L, -24L, -2C-12L, -2C-24L, -2L, -2L-36R, -2L-36L, -36L, -3L, -3L-24R, -3R-24L	GROUP 2 WITH SALAMANDER SU684 Models: -12R, -1L-12R, -1R, -1R-12L	GROUP 2 NO SALAMANDER SU684 Models: -12R, -1L-12R, -1R, -1R-12L, -1R-24L, -2L-12R

REV# DESCRIPTION DR DATE REV#	REVISIONS	TOLERANCE SURFACES OTHERWISE SPECIFIED	DATE : APR 26, 1999	WIRING DIAGRAM SU684 2693301
VC	NA	SCALE	SH: 2 OF 3	WIRING DIAGRAM SU684 2693301
VC	NA	SCALE	SH: 2 OF 3	WIRING DIAGRAM SU684 2693301
VC	NA	SCALE	SH: 2 OF 3	WIRING DIAGRAM SU684 2693301

MODEL		NO SALAMANDER											
		Phase Grouping			Loading Chart								
SU684-2L-12R SU684-1R-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 5	400V 3N~	28.95	10.05	9.46	9.45	43.70	41.09	41.09	126.87	
		L2	Top 3, Oven 1	415V 3N~	28.95	10.05	9.45	9.45	41.88	39.38	39.38	120.63	
	WITH SALAMANDER	L3	Oven 2, Top 4	380V 3N~	26.49	9.20	8.65	8.65	41.80	39.30	39.30	120.40	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.86	50.43	156.30	
		L2	Top 3, Top 5, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 4, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 1, Top 4, Top 5	400V 3N~	28.95	10.05	9.45	9.45	43.70	41.09	41.09	125.87
L2	Top 2, Oven 1		415V 3N~	28.95	10.05	9.45	9.45	41.88	39.38	39.38	120.63		
LB	Oven 2, Top 3		380V 3N~	26.49	9.20	8.65	8.65	41.80	39.30	39.30	120.40		
WITH SALAMANDER	export (wye)		load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
SU684-2R-12L SU684-1L-24R	NO SALAMANDER	L1	Top 4, Top 5, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.65	50.43	156.30	
		L2	Top 1, Top 2, Oven 2	415V 3N~	35.95	11.55	12.0	11.6	40.13	53.33	48.33	149.79	
		L3	Top 3, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 4, Top 5, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.65	50.43	156.30	
		L2	Top 1, Top 2, Oven 2	415V 3N~	35.95	11.55	12.0	11.6	40.13	53.33	48.33	149.79	
		L3	Top 3, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 2, Top3, Top 5	400V 3N~	28.95	10.05	9.45	9.45	43.70	41.09	41.09	125.87
			L2	Top 1, Oven 1	415V 3N~	28.95	10.05	9.45	9.45	41.88	39.38	39.38	120.63
WITH SALAMANDER	LB	Oven 2, Top 4	380v 3N~	26.49	9.20	8.65	8.65	41.80	39.30	39.30	120.40		
	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase		
	L1	Top 3, Top 5, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.65	50.43	156.30		
SU684-2C-12R	NO SALAMANDER	L2	Top 1, Top 2, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 4, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 3, Top 5, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.65	50.43	156.30	
		L2	Top 1, Top 2, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 4, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 2, Top3, Top 5	400V 3N~	28.95	10.05	9.45	9.45	43.70	41.09	41.09	125.87
			L2	Top 1, Oven 1	415V 3N~	28.95	10.05	9.45	9.45	41.88	39.38	39.38	120.63
		WITH SALAMANDER	LB	Oven 2, Top 4	380v 3N~	26.49	9.20	8.65	8.65	41.80	39.30	39.30	120.40
export (wye)	load		voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase		
L1	Top 3, Top 5, Oven 1		400V 3N~	35.95	11.55	12.8	11.6	50.22	55.65	50.43	156.30		
SU684-3R SU684-1C-24R SU684-364	NO SALAMANDER	L2	Top 1, Top 2, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 2, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 3, Top 4, Oven 1	400V 3N~	35.95	11.55	12.8	11.6	50.22	55.66	50.43	156.30	
		L2	Top 1, Top 5, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 2, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 3, Top 4, Top 5	400V 3N~	28.95	10.05	9.45	9.45	43.70	41.09	41.09	125.87
			L2	Top 1, Oven 1	415V 3N~	28.95	10.05	9.45	9.45	41.88	39.38	39.38	120.63
		WITH SALAMANDER	L3	Oven 2, Top 2	380V 3N~	26.49	9.20	8.65	8.65	41.80	39.30	39.30	120.40
export (wye)	load		voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase		
L1	Top 3, Top 4, Oven 1		400V 3N~	35.95	11.55	12.8	11.6	50.22	55.66	50.43	156.30		
SU684-3C-12L SU684-2C-24L SU684-1C-36L	NO SALAMANDER	L2	Top 1, Top 5, Oven 2	415V 3N~	35.95	11.55	12.8	11.6	48.13	53.33	48.33	149.79	
		L3	Top 2, Salamander	380V 3N~	32.89	10.57	11.71	10.61	48.03	53.23	48.24	149.51	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	34.7	11.55	11.56	11.6	50.22	50.22	50.43	150.827	
		L2	Top 3, Top 4, Oven 2	415V 3N~	34.7	11.55	11.55	11.6	48.13	48.13	48.33	144.58	
		L3	Top 5, Salamander	380V 3N~	31.75	10.57	10.57	10.61	48.03	48.03	48.24	144.31	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 1, Top 2, Top 3	400V 3N~	27.7	10.05	8.2	9.45	43.70	35.65	41.09	120.43
			L2	Top 4, Oven 1	415V 3N~	27.7	10.05	8.2	9.45	41.88	34.17	39.38	115.42
		WITH SALAMANDER	L3	Oven 2, Top 5	380V 3N~	25.34	9.20	7.50	8.65	41.88	34.17	39.38	115.42
export (wye)	load		voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase		
L1	Top 1, Top 2, Oven 1		400V 3N~	34.7	11.55	11.56	11.6	50.22	50.22	50.43	150.827		
SU684-1L-36R SU684-3R-12L	NO SALAMANDER	L2	Top 3, Top 4, Oven 2	415V 3N~	34.7	11.55	11.55	11.6	48.13	48.13	48.33	144.58	
		L3	Top 5, Salamander	380V 3N~	31.75	10.57	10.57	10.61	48.03	48.03	48.24	144.31	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 3, Top 4	400V 3N~	27.7	10.05	8.2	9.45	43.70	35.65	41.09	120.43	
		L2	Top 5, Oven 1	415V 3N~	27.7	10.05	8.2	9.45	41.88	34.17	39.33	116.42	
		L3	Oven 2, Top 2	380V 3N~	25.34	9.20	7.50	8.65	41.80	34.10	39.30	115.20	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 3, Top 4, Oven 1	400V 3N~	34.7	11.55	11.55	11.6	50.22	50.22	50.43	150.87	
		L2	Top 1, Top 5, Oven 2	415V 3N~	34.7	11.55	11.55	11.6	48.13	48.13	48.33	144.58	
		L3	Top 2, Salamander	380V 3N~	31.75	10.57	10.57	10.61	48.03	48.03	48.24	144.31	
SU684-3C-12R SU684-2C-24R SU684-1C-36R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 2, Top 3, Top 4	400V 3N~	27.7	10.05	8.2	9.45	43.70	35.66	41.09	120.43	
		L2	Top 5, Oven 1	415V 3N~	27.7	10.05	8.2	9.45	41.88	34.17	39.38	115.42	
	WITH SALAMANDER	L3	Oven 2, Top 1	380V 3N~	25.34	9.20	7.50	8.65	41.80	34.10	39.30	115.20	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 2, Top 3, Oven 1	400V 3N~	34.7	11.55	11.55	11.6	50.22	50.22	50.43	150.87	
		L2	Top 4, Top 5, Oven 2	415V 3N~	34.7	11.55	11.55	11.6	48.13	48.13	48.33	144.58	
		LB	Top 1, Salamander	380V 3N~	31.75	10.57	10.67	10.61	48.03	48.03	48.24	144.31	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 2, Top 4, Top 5	400V 3N~	27.7	10.05	8.2	9.45	43.70	35.85	41.09	120.43
L2	Top 1, Oven 1		415V 3N~	27.7	10.05	8.2	9.45	41.88	34.17	39.38	115.42		
WITH SALAMANDER	L3	Oven 2, Top 3	380V 3N~	25.34	9.20	7.50	8.65	41.00	34.10	39.30	115.20		
	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase		
	L1	Top 4, Top 5, Oven 1	400V 3N~	34.7	11.55	11.55	11.6	50.22	50.22	50.43	150.87		
SU684-2R-24L SU684-2L-24R	NO SALAMANDER	L2	Top 1, Top 2, Oven 2	415V 3N~	34.7	11.55	11.55	11.6	48.13	40.13	48.33	144.68	
		L3	Top 3, Salamander	380V 3N~	31.75	10.57	10.57	10.61	48.03	48.03	48.24	144.31	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	33.45	11.55	11.55	10.35	50.22	50.22	45.00	145.43	
		L2	Top 3, Top 4, Oven 2	415V 3N~	33.45	11.55	11.55	10.35	48.13	48.13	43.13	139.38	
		L3	Top 5, Salamander	380V 3N~	30.60	10.57	10.57	9.47	48.03	48.03	43.04	139.11	
		NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
			L1	Top 1, Top 2, Top 3	4000 3N~	26.45	10.05	8.20	8.20	43.70	35.85	35.65	115.00
			L2	Top 4, Oven 1	415V 3N~	26.45	10.05	8.20	8.20	41.88	34.17	34.17	110.21
		WITH SALAMANDER	L3	Oven 2, Top 5	380V 3N~	24.20	9.20	7.50	7.50	41.80	34.10	34.10	110.00







FAN INTERLOCK CIRCUIT OPERATION

HEAT POSITION:
 THE FAN SWITCH MUST BE IN THE HEAT POSITION,
 THE DOOR MUST BE CLOSED (THERMOSTAT CLOSED) BEFORE
 THE OVEN HEATING ELEMENTS ARE ENERGIZED.

COOL POSITION:
 THE FAN SWITCH MUST BE IN THE COOL POSITION, THE DOOR
 MUST BE OPEN. THE FAN WILL OPERATE BUT THE HEATING
 ELEMENTS WILL NOT ENERGIZE.

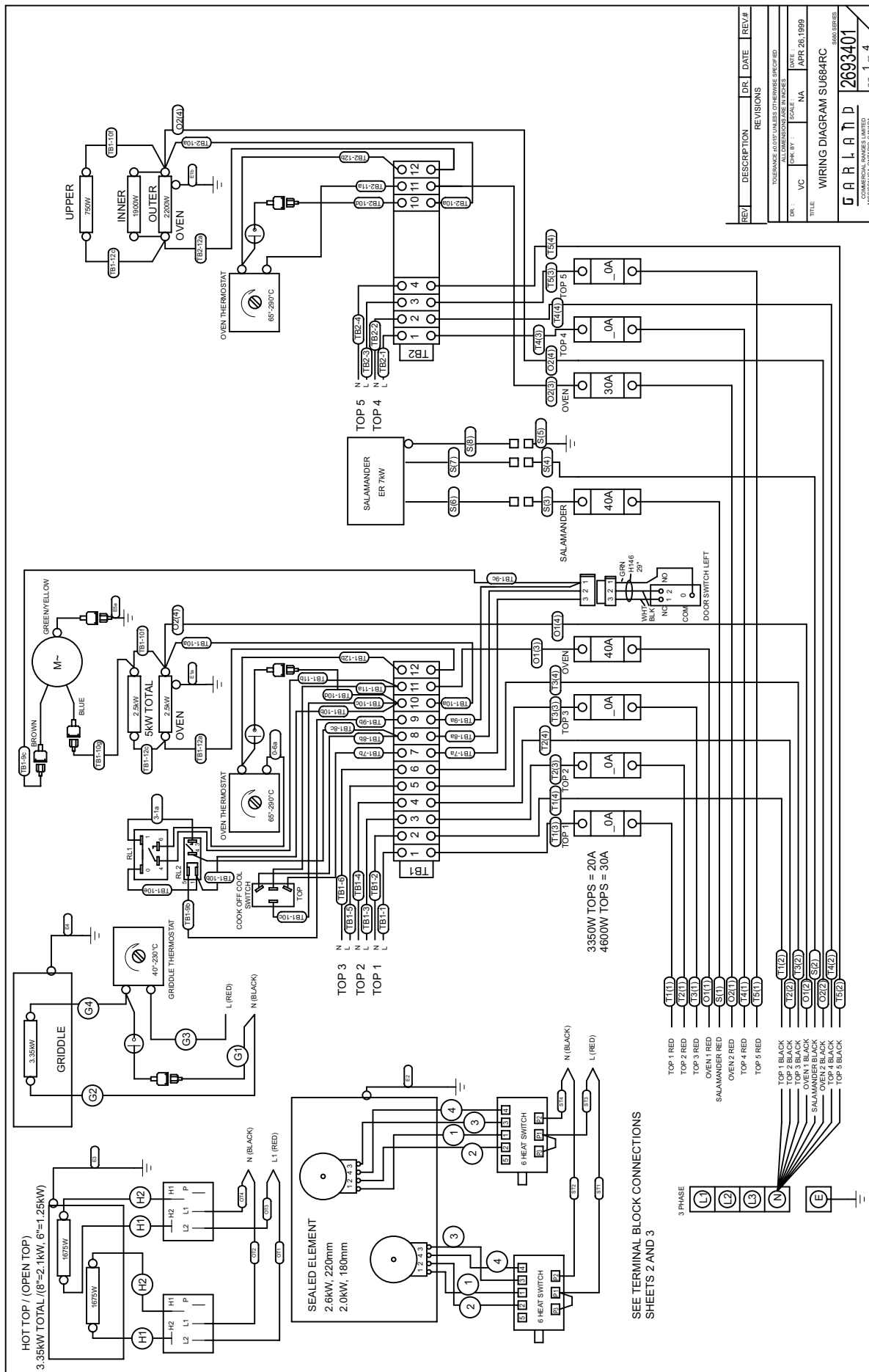
REV	DESCRIPTION	DR.	DATE	REV#
REVISIONS				
TOLERANCES UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR.	VC	SCALE	DATE	
		NA	APR 28, 1999	
TITLE				
RC SCHEMATIC S/SS884RC				
DRAWN BY				
G A H L A N D				
2693400				
COMMERCIAL RANGES LIMITED				
MISSISSAUGA, ONTARIO CANADA				
SHEET 4 OF 4				

MODEL

SS684RC STD	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	33.35	208	13.80	10.10	9.45	99.91	97.37	81.41	160.34
		X-Y	Top 4, Oven 1	33.35	240	13.80	10.10	9.45	86.59	84.38	70.56	138.96
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	40.35	208	14.70	14.05	11.60	119.71	109.76	106.96	193.99	
	X-Y	Top 3, Top 4, Oven2	40.35	240	14.70	14.05	11.60	103.75	95.12	92.70	168.13	
	Y-Z	Top 5, Salamander										
SS684RC-1L SS684RC-12L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	32.10	208	12.55	10.10	9.45	94.49	91.90	81.41	154.33
		X-Y	Top 4, Oven 1	32.10	240	12.55	10.10	9.45	81.89	79.65	70.56	133.75
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	39.10	208	13.45	14.05	11.60	114.51	104.39	106.96	187.98	
	X-Y	Top 3, Top 4, Oven 2	39.10	240	13.45	14.05	11.60	99.24	90.47	92.70	162.92	
	Y-Z	Top 5, Salamander										
SS684RC-1C	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1phase
		X-Z	Top 1, Top 2, Top 3	32.10	208	12.55	10.10	9.45	94.49	91.90	81.41	154.33
		X-Y	Top 4, Oven 1	32.10	240	12.55	10.10	9.45	81.89	79.65	70.56	133.75
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 3, Oven 1	39.10	208	13.45	14.05	11.60	114.51	104.39	106.96	187.98	
	X-Y	Top 2, Top 4, Oven 2	39.10	240	13.45	14.05	11.60	99.24	90.47	92.70	162.92	
	Y-Z	Top 5, Salamander										
SS684RC-1R SS684RC-12R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 5	32.10	208	12.55	10.10	9.45	94.49	91.90	81.41	154.33
		X-Y	Top 3, Oven 1	32.10	240	12.55	10.10	9.45	81.89	79.65	70.56	133.75
		Y-Z	Oven 2, Top 4									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 5, Oven 1	39.10	208	13.45	14.05	11.60	114.51	104.39	106.96	187.98	
	X-Y	Top 2, Top 3, Oven 2	39.10	240	13.45	14.05	11.60	99.24	90.47	92.70	162.92	
	Y-Z	Top 4, Salamander										
SS864RC-1C-12L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	30.85	208	11.3	10.1	9.45	89.15	86.51	81.41	148.32
		X-Y	Top 4, Oven 1	30.85	240	11.3	10.1	9.45	77.26	74.97	70.56	128.54
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 3, Oven 1	37.85	208	12.2	14.05	11.6	109.38	99.10	106.96	181.97	
	X-Y	Top 2, Top 4, Oven 2	37.85	240	12.2	14.05	11.6	94.80	85.89	92.70	157.71	
	Y-Z	Top 5, Salamander										
SS684RC-2L SS684RC-24L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	30.85	208	11.3	10.1	9.45	89.15	86.51	81.41	148.32
		X-Y	Top 4, Oven 1	30.85	240	11.3	10.1	9.45	77.26	74.97	70.56	128.54
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	37.85	208	12.2	14.05	11.6	109.38	99.10	106.96	181.97	
	X-Y	Top 3, Top 4, Oven 2	37.85	240	12.2	14.05	11.6	94.80	85.89	92.70	157.71	
	Y-Z	Top 5, Salamander										
SS684RC-1L-12R SS684RC-1R-12L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 5	30.85	208	11.3	10.1	9.45	89.15	86.51	81.41	148.32
		X-Y	Top 3, Oven 1	30.85	240	11.3	10.1	9.45	77.26	74.97	70.56	128.54
		Y-Z	Oven 2, Top 4									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 5, Oven 1	37.85	208	12.2	14.05	11.6	109.38	99.10	106.96	181.97	
	X-Y	Top 2, Top 3, Oven 2	37.85	240	12.2	14.05	11.6	94.80	85.89	92.70	157.71	
	Y-Z	Top 4, Salamander										
SS684RC-1C-12R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 3, Top 5	30.85	208	11.3	10.1	9.45	89.15	86.51	81.41	148.32
		X-Y	Top 2, Oven 1	30.85	240	11.3	10.1	9.45	77.26	74.97	70.56	128.54
		Y-Z	Oven 2, Top 4									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	AX	A Y	AZ	A 1 phase
WITH SALAMANDER	X-Z	Top 3, Top 5, Oven 1	37.85	208	12.2	14.05	11.6	109.38	99.10	106.96	181.97	
	X-Y	Top 1, Top 2, Oven 2	37.85	240	12.2	14.05	11.6	94.80	85.89	92.70	157.71	
	Y-Z	Top 4, Salamander										
SS684RC-2R SS684RC-24R	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 4, Top 5	30.85	208	11.3	10.1	9.45	89.15	86.51	81.41	148.32
		X-Y	Top 2, Oven 1	30.85	240	11.3	10.1	9.45	77.26	74.97	70.56	128.54
		Y-Z	Oven 2, Top 3									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 4, Top 5, Oven 1	37.85	208	12.2	14.05	11.6	109.38	99.10	106.96	181.97	
	X-Y	Top 1, Top 2, Oven 2	37.85	240	12.2	14.05	11.6	94.80	85.89	92.70	157.71	
	Y-Z	Top 3, Salamander										
SS684RC-3L SS684RC-36L SS684RC-1C-24L SS684RC-2C-12L	NO SALAMANDER	domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
		X-Z	Top 1, Top 2, Top 3	29.60	208	10.05	10.10	9.45	83.90	81.20	81.41	142.31
		X-Y	Top 4, Oven 1	29.60	240	10.05	10.10	9.45	72.71	70.38	70.56	123.33
		Y-Z	Oven 2, Top 5									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	36.60	208	12.2	12.8	11.6	104.10	99.10	101.63	175.96	
	X-Y	Top 3, Top 4, Oven 2	36.60	240	12.2	12.8	11.6	90.22	85.89	88.08	152.50	
	Y-Z	Top 5, Salamander										

MODEL

		Phase grouping		Loading chart									
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	All phase	
SS684RC-2L-12R SS684RC-1R-24L	NO SALAMANDER	X-Z	Top 1, Top 2, Top 5	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30	
		X-Y	Top 3, Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13	
		Y-Z	Oven 2, Top 4										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	36.60	208	12.2	12.8	11.6	104.10	99.10	101.63	175.96	
		X-Y	Top 3, Top 5, Oven 2	36.60	240	12.2	12.8	11.6	90.22	85.89	66.08	152.50	
		Y-Z	Top 4, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	SS684RC-2R-12L SS684RC-1L-24R	NO SALAMANDER	X-Z	Top 1,Top4,Top 5	29.60	208	10.05	10.10	9.45	83.90	81.20	81.41	142.31
			X-Y	Top 2, Oven 1	29.60	240	10.05	10.10	9.45	72.71	70.38	70.56	123.33
			Y-Z	Oven 2, Top 3									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER		X-7	Top 4, Top 5, Oven 1	36.60	208	12.2	12.8	11.6	104.10	99.10	101.63	175.96	
		X-Y	Top 1, Top 2, Oven 2	36.60	240	12.2	12.8	11.6	90.22	85.89	66.08	152.50	
		Y-Z	Top 3, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
SS684RC-2C-12R		NO SALAMANDER	X-Z	Top 2, Top 3, Top 5	29.60	208	10.05	10.10	9.45	83.90	81.20	61.41	142.31
			X-Y	Top 1, Oven 1	29.60	240	10.05	10.10	9.45	72.71	70.38	70.56	123.33
			Y-Z	Oven 2, Top 4									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
	WITH SALAMANDER	X-Z	Top 3, Top 5, Oven 1	36.60	208	12.2	12.8	11.6	104.10	99.10	101.63	175.96	
		X-Y	Top 1, Top 2, Oven 2	36.60	240	12.2	12.8	11.6	90.22	85.89	88.08	152.50	
		Y-Z	Top 4, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	SS684RC-3R, SS684RC-1C-24R SS684RC-36R	NO SALAMANDER	X-Z	Top 3, Top 4, Top 5	29.60	208	10.05	10.10	9.45	83.90	81.20	81.41	142.31
			X-Y	Top 1 , Oven 1	29.60	240	10.05	10.10	9.45	72.71	70.38	70.56	123.33
			Y-Z	Oven 2, Top 2									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER		X-Z	Top 3, Top 4, Oven 1	36.60	208	12.2	12.8	11.6	104.10	99.10	101.63	175.96	
		X-Y	Top 1 , Top 5, Oven 2	36.60	240	12.2	12.8	11.6	90.22	85.89	66.08	152.50	
		Y-Z	Top 2, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
SS684RC-3C-12L SS684RC-2C-24C-L SS684RC-1C-36L		NO SALAMANDER	X-Z	Top 1, Top 2, Top 3	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30
			X-Y	Top 4, Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13
			Y-Z	Oven 2, Top 5									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
	WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	35.35	208	12.20	11.55	11.60	98.90	99.10	96.39	169.95	
		X-Y	Top 3, Top 4, Oven 2	35.35	240	12.20	11.55	11.60	85.71	85.89	83.54	147.29	
		Y-Z	Top 5, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	SS684RC-3R-12L SS684RC-1L-36R	NO SALAMANDER	X-Z	Top 3, Top 4, Top 5	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30
			X-Y	Top 1 , Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13
			Y-Z	Oven 2, Top 2									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER		X-Z	Top 3, Top 4, Oven 1	35.35	208	12.20	11.55	11.60	98.90	99.10	96.39	169.95	
		X-Y	Top 1 , Top 5, Oven 2	35.35	240	12.20	11.55	11.60	85.71	85.89	83.54	147.29	
		Y-Z	Top 2, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
SS684RC-3C-12R SS684RC-2C-24R SS684RC-1C-36R		NO SALAMANDER	X-Z	Top 2, Top 3, Top 4	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30
			X-Y	Top 5, Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13
			Y-Z	Oven 2, Top 1									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
	WITH SALAMANDER	X-Z	Top 2, Top 3, Oven 1	35.35	208	12.20	11.55	11.60	98.90	99.10	96.39	169.95	
		X-Y	Top 4, Top 5, Oven 2	35.35	240	12.20	11.55	11.60	85.71	85.89	63.54	147.29	
		Y-Z	Top 1, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	SS684RC-2L-24R SS684RC-2R-24L	NO SALAMANDER	X-Z	Top 1, Top 4, Top 5	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30
			X-Y	Top 2,Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13
			Y-Z	Oven 2, Top 3									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
WITH SALAMANDER		X-Z	Top 4, Top 5, Oven 1	35.35	208	12.20	11.55	11.60	98.90	99.10	96.39	169.95	
		X-Y	Top 1 , Top 2, Oven 2	35.35	240	12.20	11.55	11.60	85.71	85.89	83.54	147.29	
		Y-Z	Top 3, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
SS684RC-1R-36L SS684RC-3L-12R		NO SALAMANDER	X-Z	Top 2, Top 3, Top 5	28.35	208	10.05	8.85	9.45	78.74	81.20	76.21	136.30
			X-Y	Top 1, Oven 1	28.35	240	10.05	8.85	9.45	68.25	70.38	66.05	118.13
			Y-Z	Oven 2, Top 4									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
	WITH SALAMANDER	X-Z	Top 1, Top 2, Oven 1	35.35	208	12.20	11.55	11.60	98.90	99.10	96.39	169.95	
		X-Y	Top 3, Top 5, Oven 2	35.35	240	12.20	11.55	11.60	85.71	85.89	63.54	147.29	
		Y-Z	Top 4, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	
	SS684RC-3R-24L SS684RC-3L-24R SS684RC-2R-36L SS684RC-2L-36R S684RC all models	WITH SALAMANDER	X-Z	Top 1 , Top 2, Top 3	27.10	208	10.05	8.85	8.20	78.74	76.12	71.01	130.29
			X-Y	Top 4, Oven 1	27.10	240	10.05	8.85	8.20	68.25	65.97	61.54	112.92
			Y-Z	Oven 2, Top 5									
			domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1phase
WITH SALAMANDER		X-Z	Top 1, Top 2, Oven 1	34.10	208	12.20	11.55	10.35	98.90	93.99	91.23	163.94	
		X-Y	Top 3, Top 4, Oven 2	34.10	240	12.20	11.55	10.35	85.71	81.46	79.06	142.08	
		Y-Z	Top 5, Salamander										
		domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase	

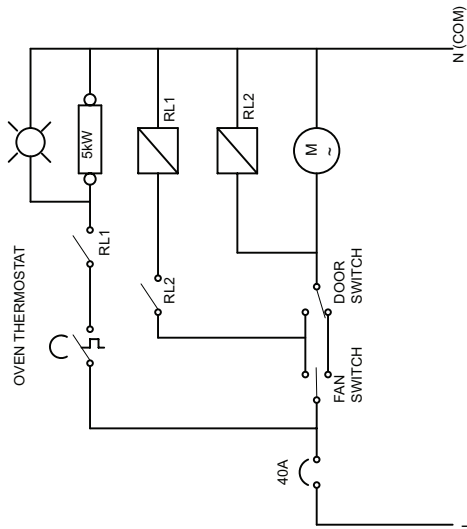


REV	DESCRIPTION	DR	DATE	REV#
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100	REVISIONS			

TOLERANCE	±0.001 INCHES UNLESS SPECIFIED
FINISH	AS NOTED
SCALE	1" = 1'-0"
DATE	APR 26 1999
VC	NA
TITLE	WIRING DIAGRAM SU684RC
2693401	
COMMERCIAL RANGES LIMITED	
MISSISSAUGA, ONTARIO, CANADA	
1 of 4	

GROUP 3 WITH SALAMANDER SU684RC Models: -1C, -1C-12L	GROUP 3 NO SALAMANDER SU684RC Models: -1L-36R	GROUP 1 WITH SALAMANDER SU684RC Models: -STD, -12L, -1C, -1C-12L, -1C-36L, -1L, -24L, -2C-12L, -2C-24L, -2L, -2L-24R, -2L-36R, -2R-36L, -36L, -3L, -3L-24R, -3R-24L
GROUP 3 NO SALAMANDER SU684RC Models: -1L-36R	GROUP 3 WITH SALAMANDER SU684RC Models: -1L-24R, -24R, -2R, -2R-12L, -2R-24L	GROUP 2 WITH SALAMANDER SU684RC Models: -12R, -1L-12R, -1R, -1R-12L
GROUP 4 WITH SALAMANDER SU684RC Models: -1L-24R, -24R, -2L-24R, 2R, -2R-12L	GROUP 4 NO SALAMANDER SU684RC Models: -1L-24R, -24R, -2L-24R, 2R, -2R-12L	GROUP 2 NO SALAMANDER SU684RC Models: -12R, -1L-12R, -1R, -1R-12L, -1R-24L, -2L-12R

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE: 40/100 UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR	VC	CHK BY	SCALE	DATE
				JAN 26, 1999
TITLE				
WIRING DIAGRAM SU684RC				
PART NO.				
2693401				
PAGE 2 OF 4				



FAN INTERLOCK CIRCUIT OPERATION

HEAT POSITION:
THE FAN SWITCH MUST BE IN THE HEAT POSITION.
THE DOOR MUST BE CLOSED (THERMOSTAT CLOSED) BEFORE
THE OVEN HEATING ELEMENTS ARE ENERGIZED.

COOL POSITION:
THE FAN SWITCH MUST BE IN THE COOL POSITION. THE DOOR
MUST BE OPEN. THE FAN WILL OPERATE BUT THE HEATING
ELEMENTS WILL NOT ENERGIZE.

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE TO 0.01" UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS IN INCHES				
DR	VC	NA	DATE	
			APR 28, 1999	
TITLE				
RC OVEN SCHEMATIC SU684RC				
9000 SERIES				
G A R L A N D				
2693401				
GARLAND ELECTRIC LTD.				
MISSISSAUGA, ONTARIO, CANADA				
PRT 4				

MODEL

SU684RC STD	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	33.35	13.8	10.1	9.45	60.00	43.91	41.09	145.00
		L2	Top 4, Oven 1	415V3N~	33.35	13.8	10.1	9.45	57.50	42.08	39.38	138.96
		L3	Oven 2, Top 5	380V3N~	30.51	12.63	9.24	8.65	57.39	42.00	39.30	138.70
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Oven 1	400V3N~	40.75	14.7	14.45	11.6	63.91	62.83	50.43	177.17
		L2	Top 3, Top 4, Oven 2	415V3N~	40.75	14.7	14.45	11.6	61.25	60.21	48.33	169.79
		L3	Top 5, Salamander	380V3N~	37.28	13.45	13.22	10.61	61.13	60.09	48.24	169.47
SU684RC-1L SU684RC-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	32.1	12.55	10.1	9.45	54.57	43.91	41.09	139.57
		L2	Top 4, Oven 1	415V3N~	32.1	12.55	10.1	9.45	52.29	42.08	39.38	133.75
		L3	Oven 2, Top 5	380V3N~	29.37	11.48	9.24	8.65	52.19	42.00	39.30	133.50
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Oven 1	400V3N~	39.1	13.45	14.05	11.6	58.48	61.09	50.43	170.00
		L2	Top 3, Top 4, Oven 2	415V3N~	39.1	13.45	14.05	11.6	56.04	58.54	48.33	162.92
		L3	Top 6, Salamander	380V3N~	35.77	12.31	12.85	10.61	55.94	58.43	48.24	152.61
SU684RC-1C	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	32.1	12.55	10.1	9.45	54.57	43.91	41.09	139.57
		L2	Top 4, Oven1	415V3N~	32.1	12.55	10.1	9.45	52.29	42.08	39.38	133.75
		L3	Oven 2, Top 5	380V3N~	29.37	11.48	9.24	8.65	52.19	42.00	39.30	133.50
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 3, Oven 1	400V3N~	39.1	13.45	14.05	11.6	58.48	61.09	50.43	170.00
		L2	Top 2, Top 4, Oven 2	415V3N~	39.1	13.45	14.05	11.6	56.04	58.54	48.33	162.92
		L3	Top 6, Salamander	300V3N~	35.77	12.31	12.85	10.61	55.94	53.43	48.24	162.61
SU684RC-1R SU684RC-12R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 5	400V 3N~	32.1	12.55	10.1	9.45	54.57	43.91	41.09	139.67
		L2	Top 3, Oven 1	415V3N~	32.1	12.55	10.1	9.45	52.29	42.08	39.38	133.75
		L3	Oven 2, Top 4	380V3N~	29.37	11.48	9.24	8.65	52.19	42.00	39.30	133.50
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1 , Top 5, Oven 1	400V3N~	39.1	13.45	14.05	11.6	58.48	61.09	50.43	170.00
		L2	Top 2, Top 3, Oven 2	415V 3N~	39.1	13.45	14.05	11.6	56.04	53.54	48.33	162.92
		L3	Top 4, Salamander	380V3N~	35.77	12.31	12.85	10.61	55.94	58.43	48.24	162.61
SU684RC-2L SU684RC-24L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	AL1	AL2	AL3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	30.85	11.3	10.1	9.45	49.13	43.91	41.09	134.13
		L2	Top 4, Oven 1	415V3N~	30.85	11.3	10.1	9.45	47.08	42.08	39.38	128.54
		L3	Oven 2, Top 5	300V3N~	20.23	10.34	9.24	8.65	46.99	42.00	39.30	128.30
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Oven 1	400V3N~	37.85	12.2	14.05	11.6	53.04	61.09	50.43	164.57
		L2	Top 3, Top 4, Oven 2	415V3N~	37.85	12.2	14.05	11.6	50.83	58.54	48.33	157.71
		L3	Top 5, Salamander	380V3N~	34.63	11.16	12.85	10.61	50.74	58.43	48.24	157.41
SU684RC-1C-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	30.85	11.3	10.1	9.45	49.13	43.91	41.09	134.13
		L2	Top 4, Oven 1	415V3N~	30.85	11.3	10.1	9.45	47.08	42.08	39.38	128.54
		L3	Oven 2, Top 5	300V3N~	28.23	10.34	9.24	8.65	46.99	42.00	39.30	120.30
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 3, Oven 1	400V3N~	37.85	12.2	14.05	11.6	53.04	61.09	50.43	164.57
		L2	Top 2, Top 4, Oven 2	415V3N~	37.85	12.2	14.05	11.6	50.83	58.54	48.33	157.71
		L3	Top 5, Salamander	380V3N~	34.63	11.16	12.85	10.61	50.74	58.43	48.24	157.41
SU684RC-1R-12L SU684-1L-12R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 5	400V3N~	30.85	11.3	10.1	9.45	49.13	43.91	41.09	134.13
		[2]	Top 3, Oven 1	415V3N~	30.85	11.3	10.1	9.45	47.08	42.08	39.38	128.54
		L3	Oven 2, Top 4	380V3N~	28.23	10.34	9.24	8.65	46.99	42.00	39.30	128.30
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 5, Oven 1	400V3N~	37.85	12.2	14.05	11.6	53.04	61.09	50.43	164.57
		L2	Top 2, Top 3, Oven 2	415V3N~	37.85	12.2	14.05	11.6	50.83	58.54	48.33	157.71
		L3	Top 4, Salamander	380V3N~	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SU684RC-1C-12R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 3, Top 5	400V3N~	30.85	11.3	10.1	9.45	49.13	43.91	41.09	134.13
		L2	Top 2, Oven 1	415V3N~	30.85	11.3	10.1	9.45	47.08	42.08	39.38	128.54
		L3	Oven 2, Top 4	380V3N~	28.23	10.34	9.24	8.65	46.99	42.00	39.30	128.30
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 3, Top 5, Oven 1	400V3N~	37.85	12.2	14.05	11.6	53.04	61.09	50.43	164.57
		L2	Top 1, Top 2, Oven 2	415V3N~	37.85	12.2	14.05	11.6	50.83	58.54	48.33	157.71
		L3	Top 4, Salamander	380V3N~	34.63	11.16	12.85	10.61	50.74	58.43	48.24	157.41
SU684RC-2R SU684RC-24R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1 , Top 4, Top 5	400V3N~	30.85	11.3	10.1	9.45	49.13	43.91	41.09	134.13
		L2	Top 2, Oven 1	415V3N~	30.85	11.3	10.1	9.45	47.08	42.08	39.38	128.54
		L3	Oven 2, Top 3	380V3N~	28.23	10.34	9.24	8.65	46.99	42.00	39.30	128.30
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 4, Top 5, Oven 1	400V3N~	37.85	12.2	14.05	11.6	53.04	61.09	50.43	164.57
		L2	Top 1, Top 2, Oven 2	415V3N~	37.85	12.2	14.05	11.6	50.83	58.54	48.33	157.71
		L3	Top 3, Salamander	380V3N~	34.63	11.16	12.85	10.61	50.74	58.43	48.24	157.41
SU684RC-3L SU684RC-36L SU684RC-1C-24L SU684RC-2C-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Top 3	400V3N~	29.6	10.05	10.10	9.45	43.70	43.91	41.09	128.70
		L2	Top 4, Oven 1	415V3N~	29.6	10.05	10.10	9.45	41.88	42.08	39.38	123.33
		L3	Oven 2, Top 5	380V3N~	27.08	9.20	9.24	8.65	41.80	42.00	39.30	123.10
	WITH SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
		L1	Top 1, Top 2, Oven 1	400V 3N~	36.6	12.2	12.8	11.6	53.04	55.66	50.43	159.13
		L2	Top 3, Top 4, Oven 2	415V3N~	36.6	12.2	12.8	11.6	50.83	53.33	48.33	152.50
		L3	Top 5, Salamander	380V3N~	33.49	11.16	11.71	10.61	50.74	53.23	48.24	152.21

MODEL

SU684RC-2L-12R
SU684-1R-24L

NO SALAMANDER

Phase grouping

Loading Chart

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 5	400V3N~	29.6	10.05	10.10	9.45	43.70	43.91	41.09	128.70
L2	Top 3, Oven 1	415V3N~	29.6	10.05	10.10	9.45	41.88	42.08	39.38	123.33
L3	Oven 2, Top 4	380V3N~	27.08	9.20	9.24	8.65	41.80	42.00	39.30	123.10
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V3N~	36.6	12.2	12.8	11.6	53.04	55.65	50.43	159.13
L2	Top 3, Top 5, Oven 2	415V3N~	36.6	12.2	12.8	11.6	50.83	53.33	48.33	152.50
L3	Top 4, Salamander	380V3N~	33.49	11.16	11.71	10.61	50.74	53.23	48.24	152.21

SU684RC-2R-12L
SU684RC-1L-24R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 4, Top 5	400V3N~	29.6	10.05	10.10	9.45	43.70	43.91	41.09	128.70
L2	Top 2, Oven 1	415V3N~	29.6	10.05	10.10	9.45	41.88	42.08	39.38	123.33
L3	Oven 2, Top 3	380V3N~	27.08	9.20	9.24	8.65	41.80	42.00	39.30	123.10
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 4, Top 5, Oven 1	400V3N~	36.6	12.2	12.8	11.6	53.04	55.65	50.43	159.13
L2	Top 1, Top 2, Oven 2	415V3N~	36.6	12.2	12.8	11.6	50.83	53.33	48.33	152.50
L3	Top 3, Salamander	380V3N~	33.49	11.16	11.71	10.61	50.74	53.23	48.24	162.21

SU684RC-2C-12R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 5	400V3N~	29.6	10.05	10.10	9.45	43.70	43.91	41.09	128.70
L2	Top 1, Oven 1	415V3N~	29.6	10.05	10.10	9.45	41.88	42.08	39.38	123.33
L3	Oven 2, Top 4	380V3N~	27.08	9.20	9.24	8.65	41.80	42.00	39.30	123.10
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 5, Oven 1	400V3N~	36.6	12.2	12.8	11.6	53.04	55.65	50.43	159.13
L2	Top 1, Top 2, Oven 2	415V3N~	36.6	12.2	12.8	11.6	50.83	53.33	48.33	152.50
L3	Top 4, Salamander	380V3N~	33.49	11.16	11.71	10.61	50.74	53.23	48.24	152.21

SU684RC-3R SU684RC-
1C-24R SU684RC-36R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Top 5	400V3N~	29.6	10.05	10.10	9.45	43.70	43.91	41.09	128.70
L2	Top 1, Oven 1	415V3N~	29.6	10.05	10.10	9.45	41.88	42.08	39.38	123.33
L3	Oven 2, Top 2	380V3N~	27.08	9.20	9.24	8.65	41.80	42.00	39.30	123.10
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Oven 1	400V3N~	36.6	12.2	12.8	11.6	53.04	55.65	50.43	159.13
L2	Top 1, Top 5, Oven 2	415V3N~	36.6	12.2	12.8	11.6	50.83	53.33	48.33	152.50
L3	Top 2, Salamander	380V3N~	33.49	11.16	11.71	10.61	50.74	53.23	48.24	152.21

SU684RC-3C-12L
SU684RC-2C-24L
SU684RC-1C-46L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 3	400V3N~	28.35	10.05	8.85	9.45	43.70	38.48	41.09	123.26
L2	Top 4, Oven 1	415V3N~	28.35	10.05	8.85	9.45	41.88	36.88	39.38	118.13
L3	Oven 2, Top 5	380V3N~	25.94	9.20	8.10	8.65	41.80	36.81	39.30	117.90
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V3N~	35.35	12.2	11.55	11.6	53.04	50.22	50.43	153.70
L2	Top 3, Top 4, Oven 2	415V3N~	35.35	12.2	11.55	11.6	50.83	48.13	48.33	147.29
L3	Top 5, Salamander	380V3N~	32.34	11.16	10.57	10.61	50.74	48.03	48.24	147.01

SU684RC-1L-36R
SU684-3R-12L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Top 5	400V3N~	28.35	10.05	8.85	9.45	43.70	38.48	41.09	123.26
L2	Top 1, Oven 1	415V3N~	28.35	10.05	8.85	9.45	41.88	36.88	39.38	118.13
L3	Oven 2, Top 2	380V3N~	25.94	9.20	8.10	8.65	41.80	36.81	39.30	117.90
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Oven 1	400V3N~	35.35	12.2	11.55	11.6	53.04	50.22	50.43	153.70
L2	Top 1, Top 5, Oven 2	415V3N~	36.35	12.2	11.55	11.6	50.83	48.13	48.33	147.29
L3	Top 2, Salamander	380V3N~	32.34	11.16	10.57	10.61	50.74	48.03	48.24	147.01

SU684RC-3C-12R
SU684RC-2C-24R
SU684-1C-36R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 4	400V3N~	28.35	10.05	8.85	9.45	43.70	38.48	41.09	123.26
L2	Top 5, Oven 1	415V3N~	28.35	10.05	8.85	9.45	41.88	36.88	39.38	118.13
L3	Oven 2, Top 1	380V3N~	26.94	9.20	8.10	8.65	41.80	36.81	39.30	117.90
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Oven 1	400V3N~	35.35	12.2	11.55	11.6	53.04	50.22	50.43	153.70
L2	Top 4, Top 5, Oven 2	415V3N~	35.35	12.2	11.55	11.6	50.83	48.13	48.33	147.29
L3	Top 1, Salamander	380V3N~	32.34	11.16	10.57	10.61	50.74	48.03	48.24	147.01

SU684RC-3L-12R
SU684RC-1R-36L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 5	400V3N~	28.35	10.05	8.85	9.45	43.70	38.48	41.09	123.26
L2	Top 1, Oven 1	415V3N~	28.35	10.05	8.85	9.45	41.88	36.88	39.38	118.13
L3	Oven 2, Top 4	380V3N~	26.94	9.20	8.10	8.65	41.80	36.81	39.30	117.90
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 5, Oven 1	400V3N~	35.35	12.2	11.55	11.6	53.04	50.22	50.43	153.70
L2	Top 1, Top 2, Oven 2	415V3N~	35.35	12.2	11.55	11.6	50.83	48.13	48.33	147.29
L3	Top 4, Salamander	380V3N~	32.34	11.16	10.57	10.61	50.74	48.03	48.24	147.01

SU684RC-2R-24L
SU684-2L-24R

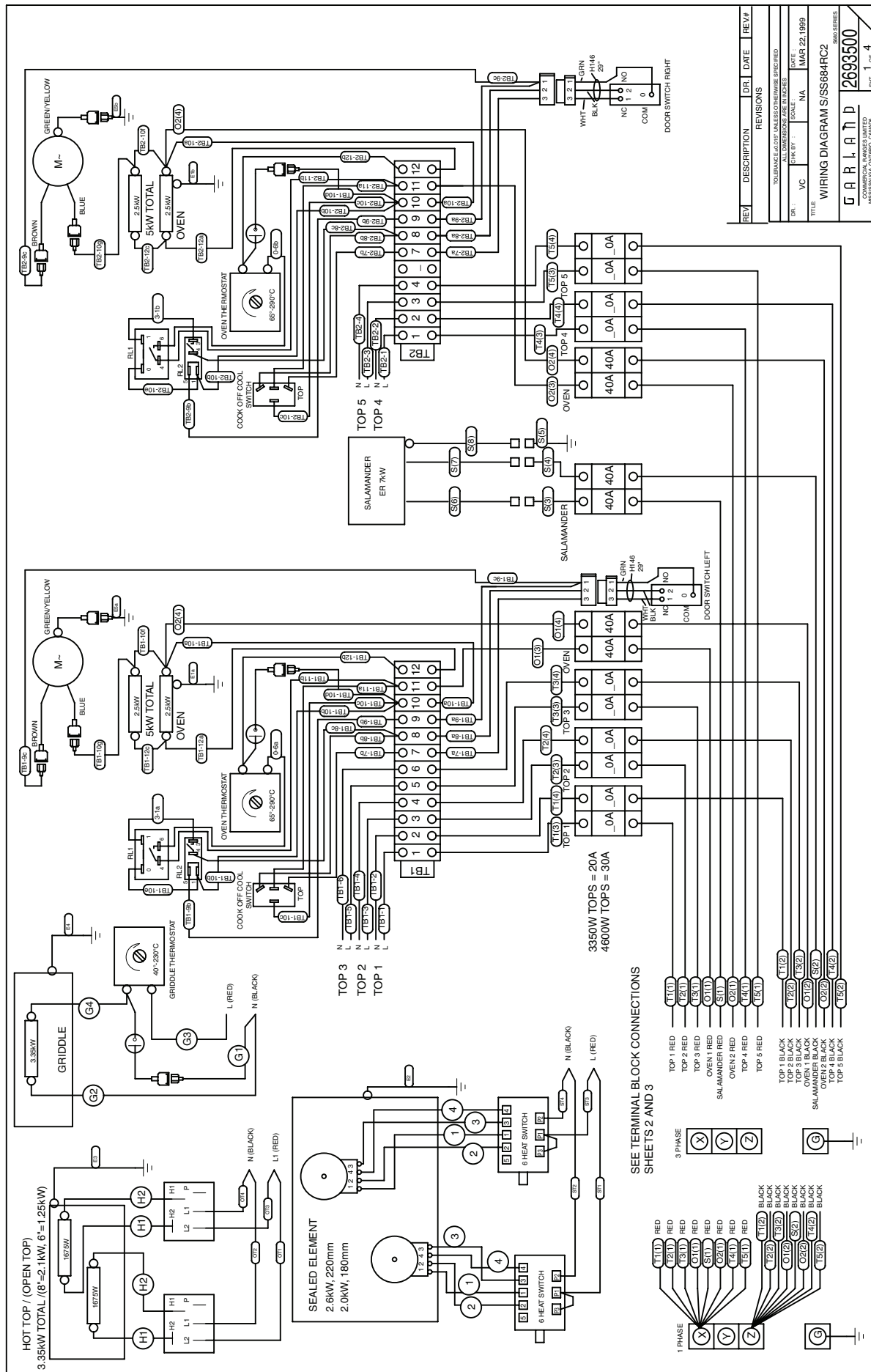
NO SALAMANDER

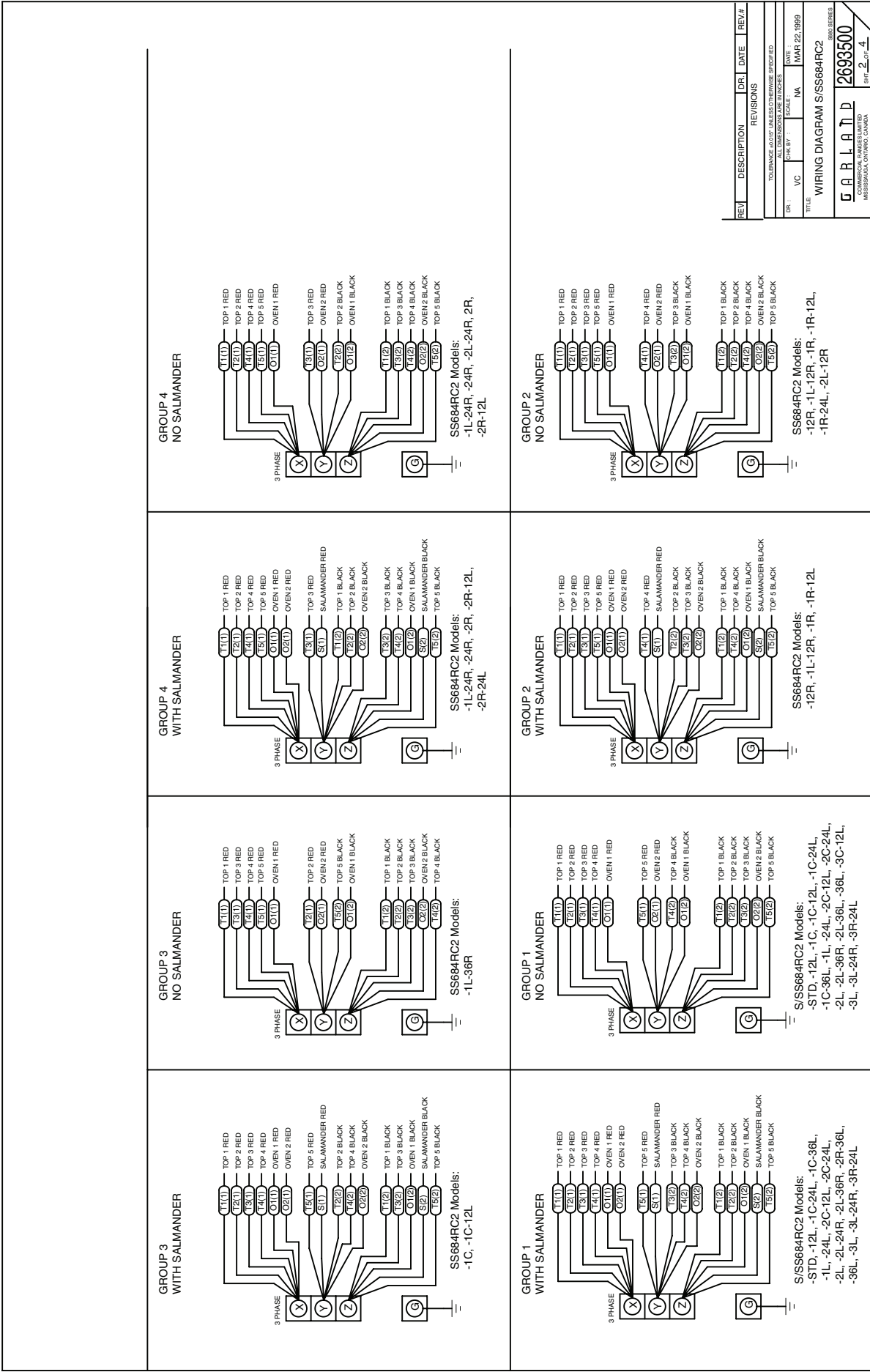
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 4, Top 5	400V3N~	28.35	10.05	8.85	9.45	43.70	38.48	41.09	123.26
L2	Top 1, Oven 1	415V3N~	28.35	10.05	8.85	9.45	41.88	36.88	39.38	118.13
L3	Oven 2, Top 35	380V3N~	25.94	9.20	8.10	8.65	41.80	36.81	39.30	117.90
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 4, Top 5, Oven 1	400V3N~	36.35	12.2	11.55	11.6	53.04	50.22	50.43	153.70
L2	Top 1, Top 2, Oven 2	415V3N~	35.35	12.2	11.55	11.6	50.83	48.13	48.33	147.29
L3	Top 3, Salamander	380V3N~	32.34	11.16	10.57	10.61	50.74	48.03	48.24	147.01

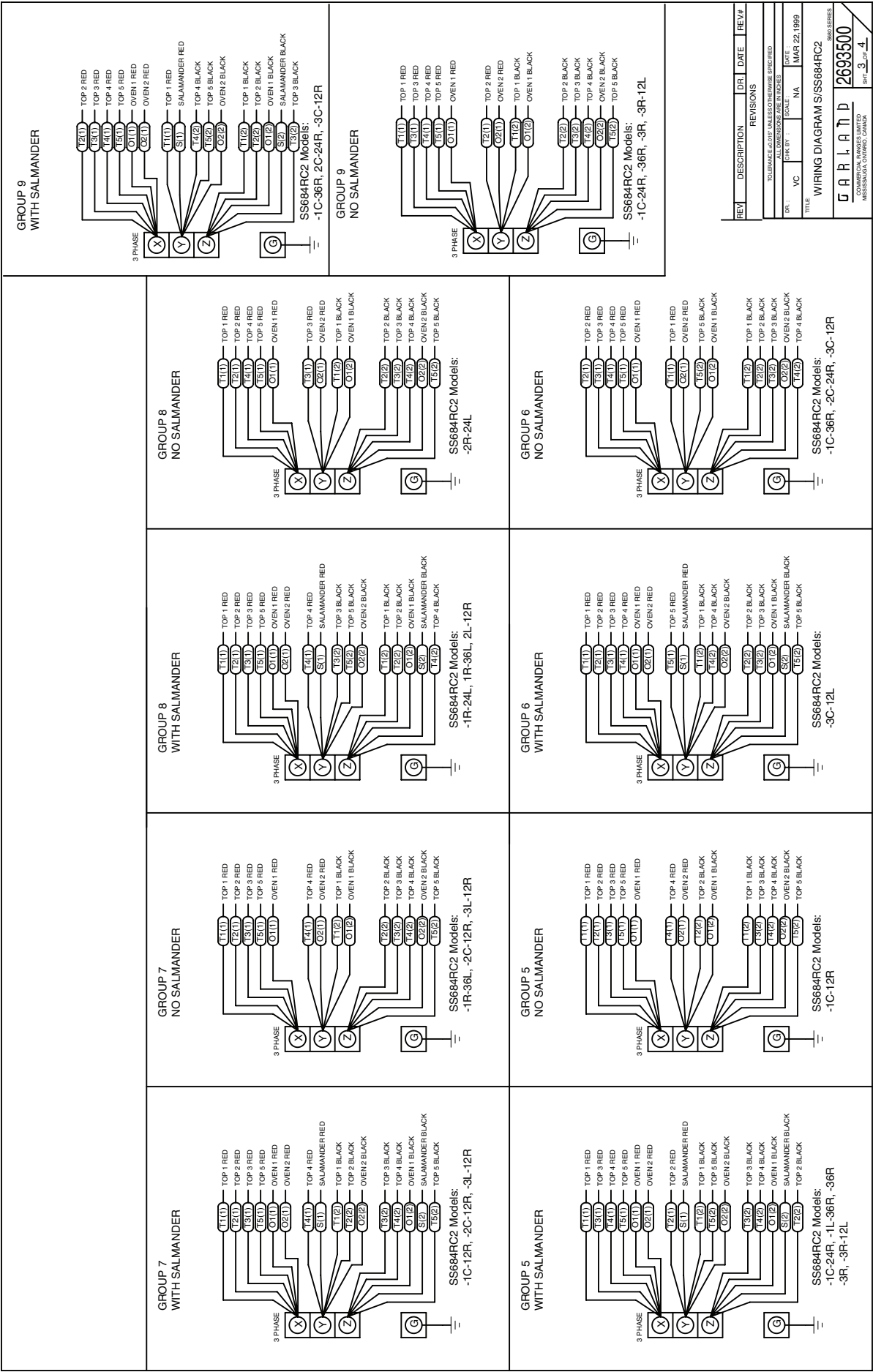
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SU684RC-3L-34R
SU684RC-2R-36L
SU684-2L-36R

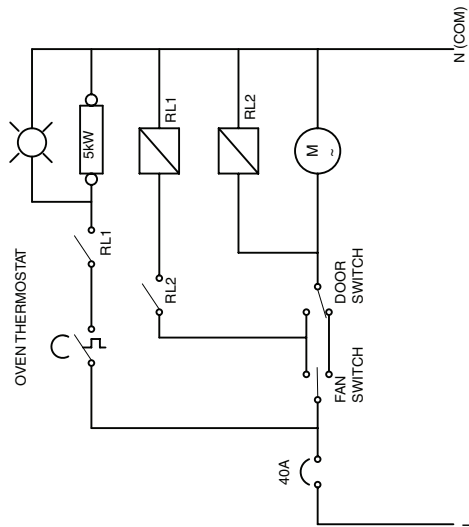
NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 3	400V3N~	27.1	10.05	8.85	8.2	43.70	38.48	35.65	117.83
L2	Top 4, Oven 1	415V3N~	27.1	10.05	8.85	8.2	41.88	36.88	34.17	112.92
L3	Oven 2, Top 5	380V3N~	24.79	9.20	8.10	7.50	41.80	36.81	34.10	112.70
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V3N~	34.1	12.2	11.55	10.35	53.04	50.22	45.00	148.26
L2	Top 3, Top 4, Oven 2	415V3N~	34.1	12.2	11.55	10.35	50.83	48.13	43.13	142.08
L3	Top 5, Salamander	380V3N~	31.20	11.16	10.57	9.47	50.74	48.03	43.04	141.81









FAN INTERLOCK CIRCUIT OPERATION

HEAT POSITION:
THE FAN SWITCH MUST BE IN THE HEAT POSITION,
THE DOOR MUST BE CLOSED (THERMOSTAT CLOSED) BEFORE
THE OVEN HEATING ELEMENTS ARE ENERGIZED.

COOL POSITION:
THE FAN SWITCH MUST BE IN THE COOL POSITION, THE DOOR
MUST BE OPEN. THE FAN WILL OPERATE BUT THE HEATING
ELEMENTS WILL NOT ENERGIZE.

NOTE: ONE OVEN SHOWN ONLY. LEFT AND RIGHT CIRCUIT IS
THE SAME.

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE GAUGE AND DIMENSIONS UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR	VC	CHECK BY	SCALE	DATE
		NA		APR 28, 1999
TITLE				
RC SCHEMATIC S/SS684RC2				
RCB SERIES				
GARLAND 2693500				
COMMERCIAL RANGES LIMITED				
MISSISSAUGA, ONTARIO CANADA				
SHEET 4 OF 4				

MODEL

SS684RC2 STD

NO SALAMANDER

Phase grouping

Loading chart

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	34.00	208	13.80	10.10	10.10	99.91	99.91	84.10	163.46
X-Y	Top 4, Oven 1	34.00	240	13.80	10.10	10.10	86.59	86.59	72.89	141.67
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	41.00	208	14.70	14.70	11.60	122.41	109.76	109.76	197.12
X-Y	Top 3, Top 4, Oven 2	41.00	240	14.70	14.70	11.60	106.09	95.12	95.12	170.83
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684RC2-1L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	32.75	208	12.55	10.10	10.10	94.49	94.49	84.10	157.45
X-Y	Top 4, Oven 1	32.75	240	12.55	10.10	10.10	81.89	81.89	72.89	136.46
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	39.75	208	13.45	14.70	11.60	117.24	104.39	109.76	191.11
X-Y	Top 3, Top 4, Oven 2	39.75	240	13.45	14.70	11.60	101.61	90.47	95.12	165.63
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684RC2-1C

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	32.75	208	12.55	10.10	10.10	94.49	94.49	84.10	157.45
X-Y	Top 4, Oven 1	32.75	240	12.55	10.10	10.10	81.89	81.89	72.89	136.46
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Oven 1	39.75	208	13.45	14.70	11.60	117.24	104.39	109.76	191.11
X-Y	Top 2, Top 4, Oven 2	39.75	240	13.45	14.70	11.60	101.61	90.47	95.12	165.63
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684RC2-1R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 5	32.75	208	12.55	10.10	10.10	94.49	94.49	84.10	157.45
X-Y	Top 3, Oven 1	32.75	240	12.55	10.10	10.10	81.89	81.89	72.89	136.46
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 5, Oven 1	39.75	208	13.45	14.70	11.60	117.24	104.39	109.76	191.11
X-Y	Top 2, Top 3, Oven 2	39.75	240	13.45	14.70	11.60	101.61	90.47	95.12	165.63
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684RC2-2L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	31.50	208	11.3	10.1	10.1	89.15	89.15	84.10	151.44
X-Y	Top 4, Oven 1	31.50	240	11.3	10.1	10.1	77.26	77.26	72.89	151.44
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	38.50	208	12.20	14.70	11.60	112.16	99.10	109.76	185.10
X-Y	Top 3, Top 4, Oven 2	38.50	240	12.20	14.70	11.60	97.21	85.89	95.12	160.42
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS864RC2-1C-12L

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	31.50	208	11.3	10.1	10.1	89.15	89.15	84.10	151.44
X-Y	Top 4, Oven 1	31.50	240	11.3	10.1	10.1	77.26	77.26	72.89	131.25
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Oven 1	38.50	208	12.20	14.70	11.60	112.16	99.10	109.76	185.10
X-Y	Top 2, Top 4, Oven 2	38.50	240	12.20	14.70	11.60	97.21	85.89	95.12	160.42
Y-Z	Top 5, Salamander									

WITH SALAMANDER

SS684RC2-1L-12R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 5	31.50	208	11.3	10.1	10.1	89.15	89.15	84.10	151.44
X-Y	Top 3, Oven 1	31.50	240	11.3	10.1	10.1	77.26	77.26	77.89	131.25
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 5, Oven 1	38.50	208	12.20	14.70	11.60	112.16	99.10	109.76	185.10
X-Y	Top 2, Top 3, Oven 2	38.50	240	12.20	14.70	11.60	97.21	89.89	95.12	160.42
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684RC2-1C-12R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 3, Top 5	31.50	208	11.3	10.1	10.1	89.15	89.15	84.10	151.44
X-Y	Top 2, Oven 1	31.50	240	11.3	10.1	10.1	77.26	77.26	72.89	131.25
Y-Z	Oven 2, Top 4									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 3, Top 5, Oven 1	38.50	208	12.20	14.70	11.60	112.16	99.10	109.76	185.10
X-Y	Top 1, Top 2, Oven 2	38.50	240	12.20	14.70	11.60	97.21	85.89	95.12	160.42
Y-Z	Top 4, Salamander									

WITH SALAMANDER

SS684RC2-2R

NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 4, Top 5	31.50	208	11.3	10.1	10.1	89.15	89.15	84.10	151.44
X-Y	Top 2, Oven 1	31.50	240	11.3	10.1	10.1	77.26	77.26	72.89	131.25
Y-Z	Oven 2, Top 3									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 4, Top 5, Oven 1	38.50	208	12.20	14.70	11.60	112.16	99.10	109.76	185.10
X-Y	Top 1, Top 2, Oven 2	38.50	240	12.20	14.70	11.60	97.21	89.89	95.12	160.42
Y-Z	Top 3, Salamander									

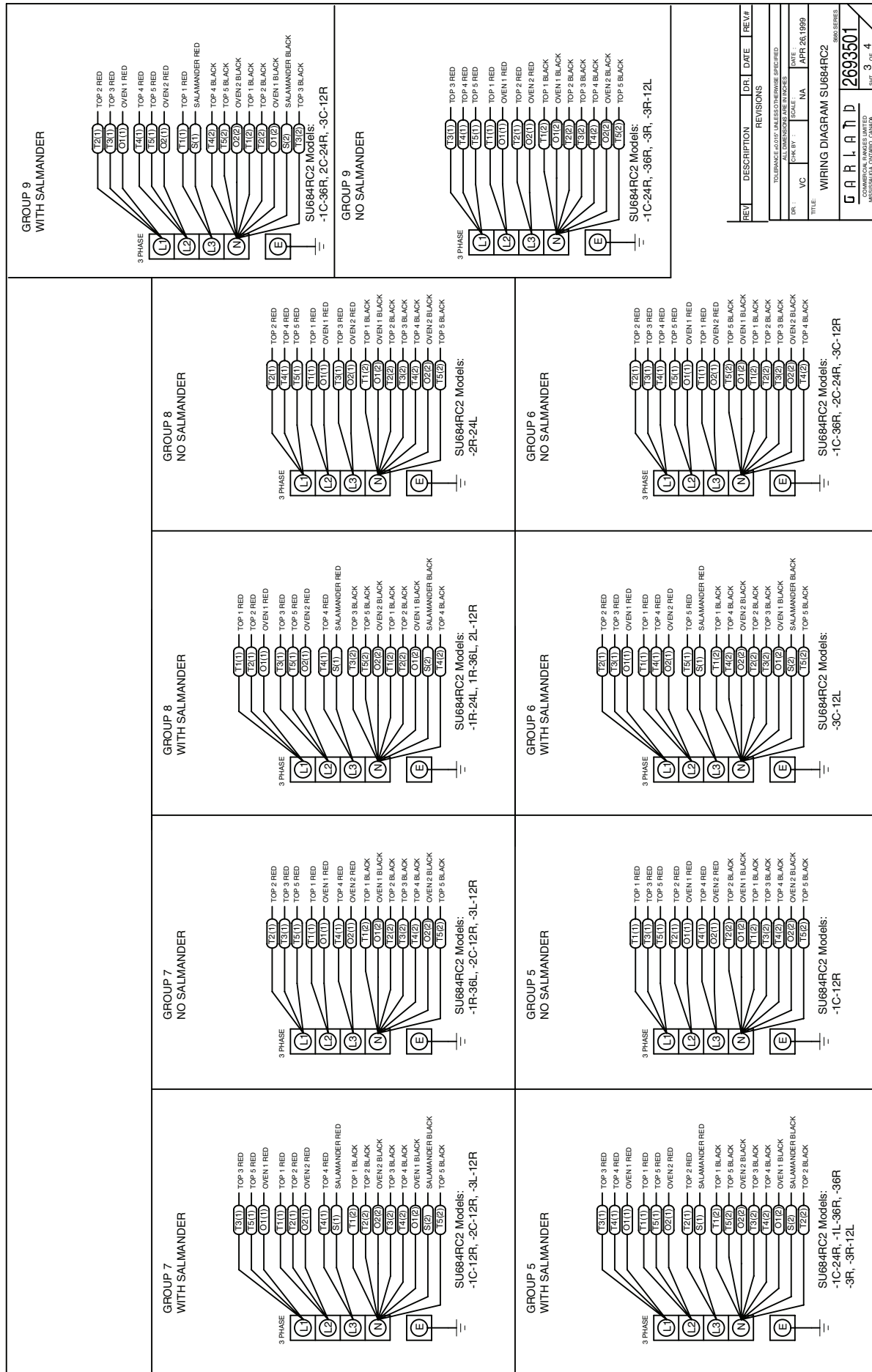
WITH SALAMANDER

SS684RC2-3L

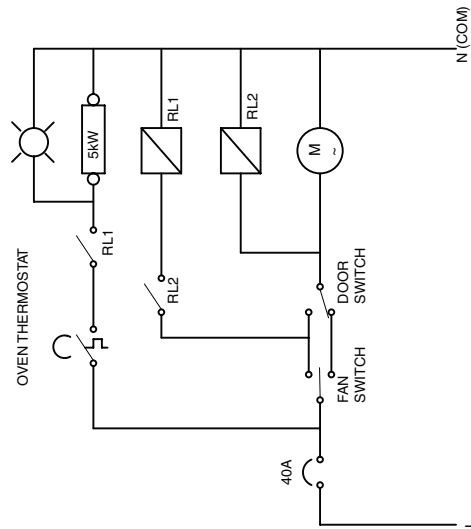
NO SALAMANDER

domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Top 3	30.25	208	10.05	10.1	10.1	83.90	83.90	84.10	145.43
X-Y	Top 4, Oven 1	30.25	240	10.05	10.1	10.1	72.71	72.71	72.89	126.04
Y-Z	Oven 2, Top 5									
domestic (delta)	load	Total kW	voltage	kW X-Z	kW X-Y	kW Y-Z	A X	A Y	A Z	A 1 phase
X-Z	Top 1, Top 2, Oven 1	37.25	208	12.2	13.45	11.6	106.84	99.10	104.39	179.09
X-Y	Top 3, Top 4, Oven 2	37.25	240	12.2	13.45	11.6	92.59	85.89	90.47	155.21
Y-Z	Top 5, Salamander									

WITH SALAMANDER



REV	DESCRIPTION	DR	DATE	REV
REVISIONS				
TOLERANCE ±0.017 UNLESS OTHERWISE SPECIFIED				
DR	DATE	BY	DATE	BY
VC	NA	NA	APR 26, 1999	
TITLE				
WIRING DIAGRAM SU684RC2				
8000 SERIES				
G A R L A N D 2693501				
GARLAND ELECTRIC LTD.				
MISSISSAUGA, ONTARIO, CANADA				
PRT 3 OF 4				



FAN INTERLOCK CIRCUIT OPERATION

HEAT POSITION:
THE FAN SWITCH MUST BE IN THE HEAT POSITION.
THE DOOR MUST BE CLOSED (THERMOSTAT CLOSED) BEFORE
THE OVEN HEATING ELEMENTS ARE ENERGIZED.

COOL POSITION:
THE FAN SWITCH MUST BE IN THE COOL POSITION, THE DOOR
MUST BE OPEN. THE FAN WILL OPERATE BUT THE HEATING
ELEMENTS WILL NOT ENERGIZE.

NOTE: ONE OVEN SHOWN ONLY. LEFT AND RIGHT CIRCUIT
IS THE SAME.

REV	DESCRIPTION	DR	DATE	REV#
REVISIONS				
TOLERANCE: 4.00% UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN INCHES				
DR	VC	CHK BY	SCALE	DATE
			NA	APR 28, 1999
TITLE				
RC OVEN SCHEMATIC SU684RC2				
S A R L A T D				
2693501				
COMMERCIAL RANGES LIMITED				
MISSISSAUGA, ONTARIO, CANADA				
SHEET 4 OF 4				

MODEL

SU684RC2 STD	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	34	13.8	10.1	10.1	60.00	43.91	43.91	147.83	
		L2	Top 4, Oven 1	415V 3N~	34	13.8	10.1	10.1	57.50	42.08	42.08	141.67	
		L3	Oven 2, Top 5	380V 3N~	31.11	12.63	9.24	9.24	57.39	42.00	42.00	141.40	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	41	14.7	14.7	11.6	63.91	63.91	50.43	178.26	
		L2	Top 3, Top 4, Oven 2	415V 3N~	41	14.7	14.7	11.6	61.25	61.25	48.33	170.83	
		L3	Top 5, Salamander	380V 3N~	37.51	13.45	13.45	10.61	61.13	61.13	48.24	170.51	
SU684RC2-1L SU684RC2-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	32.75	12.55	10.1	10.1	54.57	43.91	43.91	142.39	
		L2	Top 4, Oven 1	415V 3N~	32.75	12.55	10.1	10.1	52.29	42.08	42.08	136.46	
		L3	Oven 2, Top 5	380V 3N~	29.96	11.48	9.24	9.24	52.19	42.00	42.00	136.20	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	39.75	13.45	14.7	11.6	58.48	63.91	50.43	172.83	
		L2	Top 3, Top 4, Oven 2	415V 3N~	39.75	13.45	14.7	11.6	56.04	61.25	48.33	165.63	
		L3	Top 5, Salamander	380V 3N~	36.37	12.31	13.45	10.61	55.94	61.13	48.24	165.31	
SU684RC2-1C	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	32.75	12.55	10.1	10.1	54.57	43.91	43.91	142.39	
		L2	Top 4, Oven 1	415V 3N~	32.75	12.55	10.1	10.1	52.29	42.08	42.08	136.46	
		L3	Oven 2, Top 5	380V 3N~	29.96	11.48	9.24	9.24	52.19	42.00	42.00	136.20	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 3, Oven 1	400V 3N~	39.75	13.45	14.7	11.6	58.48	63.91	50.43	172.83	
		L2	Top 2, Top 4, Oven 2	415V 3N~	39.75	13.45	14.7	11.6	56.04	61.25	48.33	165.63	
		L3	Top 5, Salamander	380V 3N~	36.37	12.31	13.45	10.61	55.94	61.13	48.24	165.31	
SU684RC2-1R SU684RC2-12R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 5	400V 3N~	32.75	12.55	10.1	10.1	54.57	43.91	43.91	142.39	
		L2	Top 3, Oven 1	415V 3N~	32.75	12.55	10.1	10.1	52.29	42.08	42.08	136.46	
		L3	Oven 2, Top 4	380V 3N~	29.96	11.48	9.24	9.24	52.19	42.00	42.00	136.20	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 5, Oven 1	400V 3N~	39.75	13.45	14.7	11.6	58.48	63.91	50.43	172.83	
		L2	Top 2, Top 3, Oven 2	415V 3N~	39.75	13.45	14.7	11.6	56.04	61.25	48.33	165.63	
		L3	Top 4, Salamander	380V 3N~	36.37	12.31	13.45	10.61	55.94	61.13	48.24	165.31	
SU684RC2-2L SU684RC2-24L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	31.5	11.3	10.1	10.1	49.13	43.91	43.91	136.96	
		L2	Top 4, Oven 1	415V 3N~	31.5	11.3	10.1	10.1	47.08	42.08	42.08	131.25	
		L3	Oven 2, Top 5	380V 3N~	28.82	10.34	9.24	9.24	46.99	42.00	42.00	131.00	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	38.5	12.2	14.7	11.6	53.04	63.91	50.43	167.39	
		L2	Top 3, Top 4, Oven 2	415V 3N~	38.5	12.2	14.7	11.6	50.83	61.25	48.33	160.42	
		L3	Top 5, Salamander	380V 3N~	35.22	11.16	13.45	10.61	50.74	61.13	48.24	160.11	
SU684RC2-1C-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	31.5	11.3	10.1	10.1	49.13	43.91	43.91	136.96	
		L2	Top 4, Oven 1	415V 3N~	31.5	11.3	10.1	10.1	47.08	42.08	42.08	131.25	
		L3	Oven 2, Top 5	380V 3N~	28.82	10.34	9.24	9.24	46.99	42.00	42.00	131.00	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 3, Oven 1	400V 3N~	38.5	12.2	14.7	11.6	53.04	63.91	50.43	167.39	
		L2	Top 2, Top 4, Oven 2	415V 3N~	38.5	12.2	14.7	11.6	50.83	61.25	48.33	160.42	
		L3	Top 5, Salamander	380V 3N~	35.22	11.16	13.46	10.61	50.74	61.13	48.24	160.11	
SU684RC2-1R-12L SU684-1L-12R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A1 phase	
		L1	Top 1, Top 2, Top 5	400V 3N~	31.5	11.3	10.1	10.1	49.13	43.91	43.91	136.96	
		L2	Top 3, Oven 1	415V 3N~	31.5	11.3	10.1	10.1	47.08	42.08	42.08	131.25	
		L3	Oven 2, Top 4	380V 3N~	28.82	10.34	9.24	9.24	46.99	42.00	42.00	131.00	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 5, Oven 1	400V 3N~	38.5	12.2	14.7	11.6	53.04	63.91	50.43	167.39	
		L2	Top 2, Top 3, Oven 2	415V 3N~	38.5	12.2	14.7	11.6	50.83	61.25	48.33	160.42	
		L3	Top 4, Salamander	380V 3N~	35.22	11.16	13.45	10.61	50.74	61.13	48.24	160.11	
SU684RC2-1C-12R	NO SALAMANDER	export (wye)	load	voltage	kW total	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 3, Top 5	400V 3N~	31.5	11.3	10.1	10.1	49.13	43.91	43.91	136.96	
		L2	Top 2, Oven 1	415V 3N~	31.5	11.3	10.1	10.1	47.08	42.08	42.08	131.25	
		L3	Oven 2, Top 4	380V 3N~	28.82	10.34	9.24	9.24	46.99	42.00	42.00	131.00	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 3, Top 5, Oven 1	400V 3N~	38.5	12.2	14.7	11.6	53.04	63.91	50.43	167.39	
		L2	Top 1, Top 2, Oven 2	415V 3N~	38.5	12.2	14.7	11.6	50.83	61.25	48.33	160.42	
		L3	Top 4, Salamander	380V 3N~	35.22	11.16	13.45	10.61	50.74	61.13	48.24	160.11	
SU684RC2-2R SU684RC2-24R	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 4, Top 5	400V 3N~	31.5	11.3	10.1	10.1	49.13	43.91	43.91	136.96	
		L2	Top 2, Oven 1	415V 3N~	31.5	11.3	10.1	10.1	47.08	42.08	42.08	131.25	
		L3	Oven 2, Top 3	380V 3N~	28.82	10.34	9.24	9.24	46.99	42.00	42.00	131.00	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 4, Top 5, Oven 1	400V 3N~	38.5	12.2	14.7	11.6	53.04	63.91	50.43	167.39	
		L2	Top 1, Top 2, Oven 2	415V 3N~	38.5	12.2	14.7	11.6	50.83	61.25	48.33	160.42	
		L3	Top 3, Salamander	380V 3N~	35.22	11.16	13.45	10.61	50.74	61.13	48.24	160.11	
SU684RC2-3L SU684RC2-36L SU684RC2-1C-24L SU684RC2-2C-12L	NO SALAMANDER	export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
		L1	Top 1, Top 2, Top 3	400V 3N~	30.25	10.05	10.1	10.1	43.70	43.91	43.91	131.52	
		L2	Top 4, Oven 1	415V 3N~	30.25	10.05	10.1	10.1	41.88	42.08	42.08	126.04	
		L3	Oven 2, Top 5	380V 3N~	27.50	9.20	9.24	9.24	41.80	42.00	42.00	125.80	
		export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase	
	WITH SALAMANDER	L1	Top 1, Top 2, Oven 1	400V 3N~	37.25	12.2	13.45	11.6	53.04	58.48	50.43	161.96	
		L2	Top 3, Top 4, Oven 2	415V 3N~	37.25	12.2	13.45	11.6	50.83	56.04	48.33	155.21	
		L3	Top 5, Salamander	380V 3N~	34.08	11.16	12.31	10.61	50.74	55.94	48.24	154.91	

MODEL

SU684RC2-2L-12R
SU684-1R-24L

NO SALAMANDER

Phase grouping

Loading chart

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 5	400V 3N~	30.25	10.05	10.1	10.1	43.70	43.91	43.91	131.52
L2	Top 3, Oven 1	415V 3N~	30.25	10.05	10.1	10.1	41.88	42.08	42.08	126.04
L3	Oven 2, Top 4	380V 3N~	27.68	9.20	9.24	9.24	41.80	42.00	42.00	125.80
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V 3N~	37.25	12.2	13.45	11.6	53.04	58.48	50.43	161.96
L2	Top 3, Top 5, Oven 2	415V 3N~	37.25	12.2	13.45	11.6	50.83	56.04	48.33	155.21
L3	Top 4, Salamander	380V 3N~	34.08	11.16	12.31	10.61	50.74	55.94	48.24	154.91

SU684RC2-2R-12L
SU684RC2-1L-24R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 4, Top 5	400V 3N~	30.25	10.05	10.1	10.1	43.70	43.91	43.91	131.52
L2	Top 2, Oven 1	415V 3N~	30.25	10.05	10.1	10.1	41.88	42.08	42.08	126.04
L3	Oven 2, Top 3	380V 3N~	27.68	9.20	9.24	9.24	41.80	42.00	42.00	125.80
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 4, Top 5, Oven 1	400V 3N~	37.25	12.2	13.45	11.6	53.04	58.48	50.43	161.96
L2	Top 1, Top 2, Oven 2	415V 3N~	37.25	12.2	13.45	11.6	50.83	56.04	48.33	155.21
L3	Top 3, Salamander	380V 3N~	34.08	11.16	12.31	10.61	50.74	55.94	48.24	154.91

SU684RC2-2C-12R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 5	400V 3N~	30.25	10.05	10.1	10.1	43.70	43.91	43.91	131.52
L2	Top 1, Oven 1	415V 3N~	30.25	10.05	10.1	10.1	41.88	42.08	42.08	126.04
L3	Oven 2, Top 4	380V 3N~	27.68	9.20	9.24	9.24	41.80	42.00	42.00	125.80
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 5, Oven 1	400V 3N~	37.25	12.2	13.45	11.6	53.04	58.48	50.43	161.96
L2	Top 1, Top 2, Oven 2	415V 3N~	37.25	12.2	13.45	11.6	50.83	56.04	48.33	155.21
L3	Top 4, Salamander	380V 3N~	34.08	11.16	12.31	10.61	50.74	55.94	48.24	154.91

SU684RC2-3R
SU684RC2-1C-24R
SU684RC2-36R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Top 5	400V 3N~	30.25	10.05	10.1	10.1	43.70	43.91	43.91	131.52
L2	Top 1, Oven 1	415V 3N~	30.25	10.05	10.1	10.1	41.88	42.08	42.08	126.04
L3	Oven 2, Top 2	380V 3N~	27.68	9.20	9.24	9.24	41.80	42.00	42.00	125.80
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Oven 1	400V 3N~	37.25	12.2	13.45	11.6	53.04	58.48	50.43	161.96
L2	Top 1, Top 5, Oven 2	415V 3N~	37.25	12.2	13.45	11.6	50.83	56.04	48.33	155.21
L3	Top 2, Salamander	380V 3N~	34.08	11.16	12.31	10.61	50.74	55.94	48.24	154.91

SU684RC2-3C-12L
SU684RC2-2C-24L
SU684RC2-1C-46L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 3	400V 3N~	29	10.05	8.85	10.1	43.70	38.48	43.91	126.09
L2	Top 4, Oven 1	415V 3N~	29	10.05	8.85	10.1	41.88	36.68	42.08	120.83
L3	Oven 2, Top 5	380V 3N~	26.53	9.20	8.10	9.24	41.80	36.61	42.00	120.60
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V 3N~	36	12.2	12.2	11.6	53.04	53.04	50.43	156.52
L2	Top 3, Top 4, Oven 2	415V 3N~	36	12.2	12.2	11.6	50.83	50.83	48.33	150.00
L3	Top 5, Salamander	380V 3N~	32.94	11.16	11.16	10.61	50.74	50.74	48.24	149.72

SU684RC2-1L-36R
SU684-3R-12L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 3, Top 4	400V 3N~	29	10.05	8.85	10.1	43.70	38.48	43.91	126.09
L2	Top 5, Oven 1	415V 3N~	29	10.05	8.85	10.1	41.88	36.88	42.08	120.83
L3	Oven 2, Top 2	380V 3N~	26.53	9.20	8.10	9.24	41.80	36.81	42.00	120.60
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 3, Top 4, Oven 1	400V 3N~	36	12.2	12.2	11.6	53.04	53.04	50.43	156.52
L2	Top 1, Top 5, Oven 2	415V 3N~	36	12.2	12.2	11.6	50.83	50.83	48.33	150.00
L3	Top 2, Salamander	380V 3N~	32.94	11.16	11.16	10.61	50.74	50.74	48.24	149.72

SU684RC2-3C-12R
SU684RC2-2C-24R
SU684-1C-36R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 4	400V 3N~	29	10.05	8.85	10.1	43.70	38.48	43.91	126.09
L2	Top 5, Oven 1	415V 3N~	29	10.05	8.85	10.1	41.88	36.88	42.08	120.83
L3	Oven 2, Top 1	380V 3N~	26.53	9.20	8.10	9.24	41.80	36.81	42.00	120.60
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Oven 1	400V 3N~	36	12.2	12.2	11.6	53.04	53.04	50.43	156.52
L2	Top 4, Top 5, Oven 2	415V 3N~	36	12.2	12.2	11.6	50.83	50.83	48.33	150.00
L3	Top 1, Salamander	380V 3N~	32.94	11.16	11.16	10.61	50.74	50.74	48.24	149.72

SU684RC2-3L-12R
SU684RC2-1R-36L

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 3, Top 5	400V 3N~	29	10.05	8.85	10.1	43.70	38.48	43.91	126.09
L2	Top 1, Oven 1	415V 3N~	29	10.05	8.85	10.1	41.88	36.88	42.08	120.83
L3	Oven 2, Top 4	380V 3N~	26.53	9.20	8.10	9.24	41.80	36.81	42.00	120.60
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V 3N~	36	12.2	12.2	11.6	53.04	53.04	50.43	156.52
L2	Top 3, Top 5, Oven 2	415V 3N~	36	12.2	12.2	11.6	50.83	50.83	48.33	150.00
L3	Top 4, Salamander	380V 3N~	32.94	11.16	11.16	10.61	50.74	50.74	48.24	149.72

SU684RC2-2R-24L
SU684-2L-24R

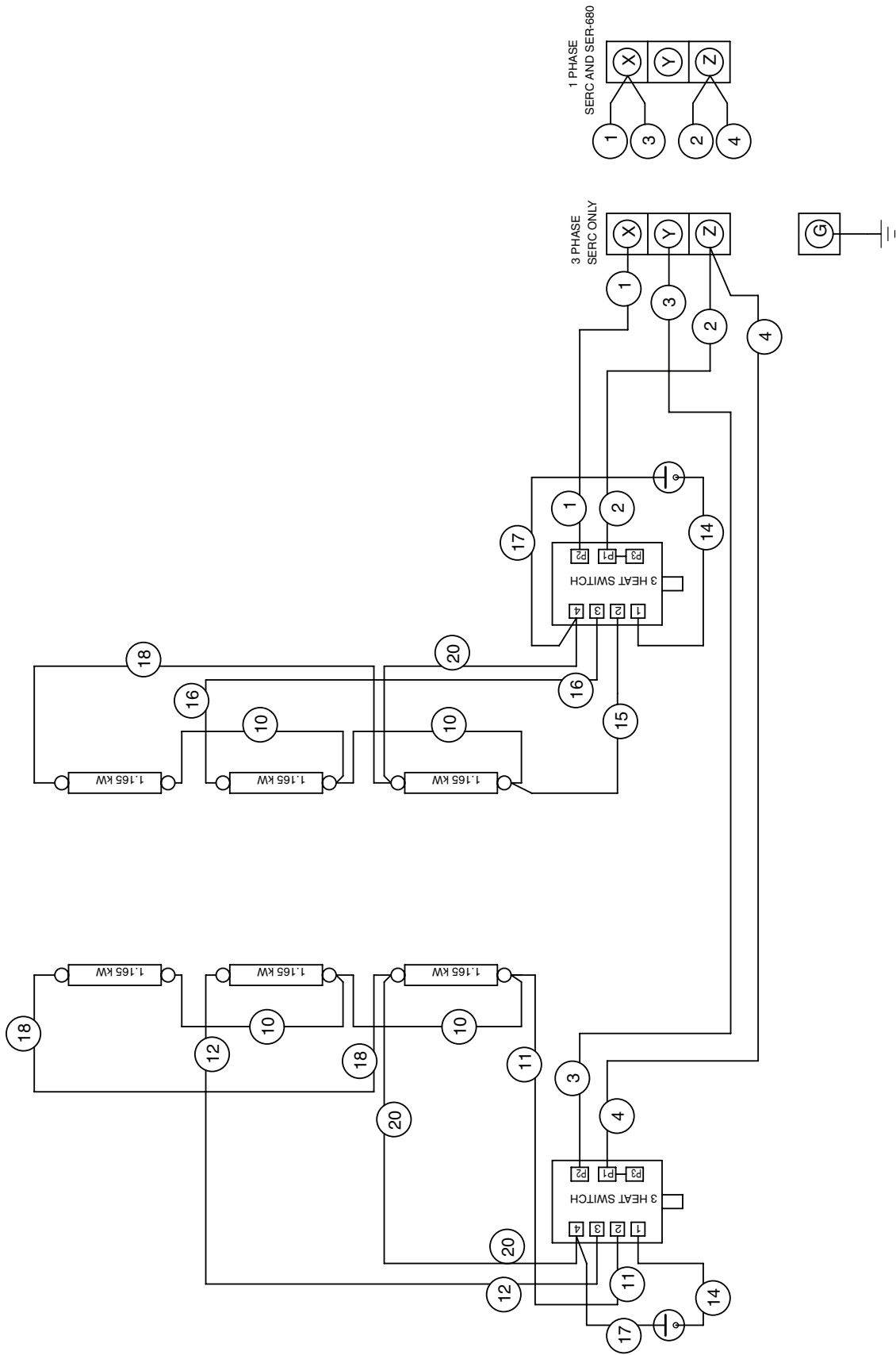
NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 2, Top 4, Top 5	400V 3N~	29	10.05	8.85	10.1	43.70	38.48	43.91	126.09
L2	Top 1, Oven 1	415V 3N~	29	10.05	8.85	10.1	41.88	36.68	42.08	120.83
L3	Oven 2, Top 3	380V 3N~	26.53	9.20	8.10	9.24	41.80	36.61	42.00	120.60
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V 3N~	36	12.2	12.2	11.6	53.04	53.04	50.43	156.52
L2	Top 3, Top 4, Oven 2	415V 3N~	36	12.2	12.2	11.6	50.83	50.83	48.33	150.00
L3	Top 5, Salamander	380V 3N~	32.94	11.16	11.16	10.61	50.74	50.74	48.24	149.72

SU684RC2-3R-34L
SU684RC2-3L-34R
SU684RC2-2R-36L
SU684-2L-36R

NO SALAMANDER

export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Top 3	400V 3N~	27.75	10.05	8.85	8.85	43.70	38.48	38.48	120.65
L2	Top 4, Oven 1	415V 3N~	27.75	10.05	8.85	8.85	41.88	36.88	36.88	115.63
L3	Oven 2, Top 5	380V 3N~	25.39	9.20	8.10	8.10	41.80	36.81	36.81	115.41
export (wye)	load	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1 phase
L1	Top 1, Top 2, Oven 1	400V 3N~	34.75	12.2	12.2	10.35	53.04	53.04	45.00	151.09
L2	Top 3, Top 4, Oven 2	415V 3N~	34.75	12.2	12.2	10.35	50.83	50.63	43.13	144.79
L3	Top 5, Salamander	380V 3N~	31.79	11.16	11.16	9.47	50.74	50.74	43.04	144.52



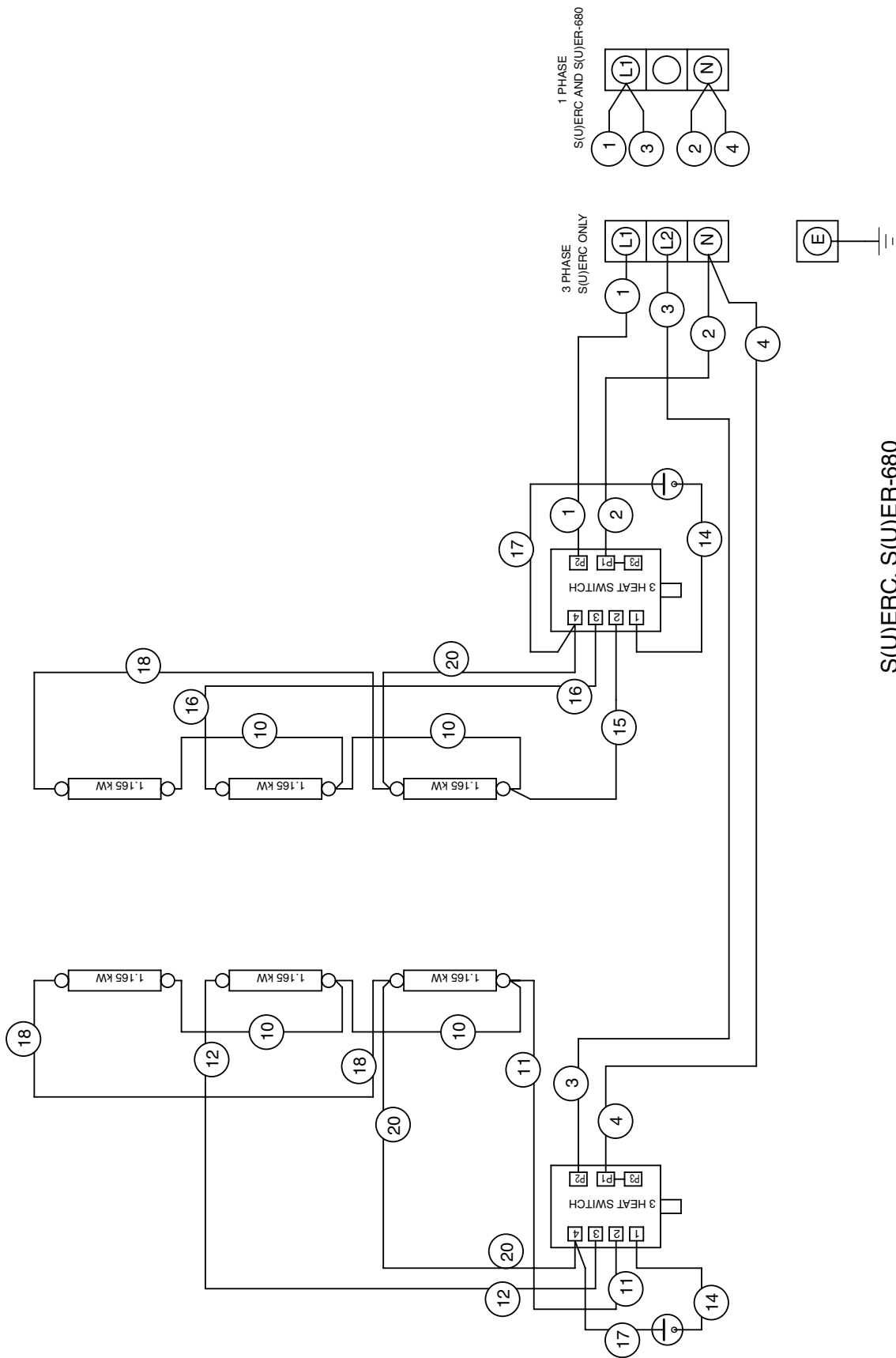
MODEL : SERC, SER-680 (208-240 VAC)

COMMERCIAL RANGES LIMITED
MISSISSAUGA, ONTARIO, CANADA

G A R L A N D

DWG: 2693600

1



MODEL : S(U)ERC, S(U)ER-680

220, 230, 240V/ 380, 400, 415 V, 3N ~

COMMERCIAL RANGES LIMITED
MISSISSAUGA, ONTARIO, CANADA

Garland

DWG: 2693700

MODEL	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1phase
SUERC, SERC	400V 3N~	7	3.5	3.5	0.0	15.22	15.22	0.00	30.43
	415V 3N~	7	3.5	3.5	0.0	14.58	14.58	0.00	29.17
	380V 3N~	6.40	3.20	3.20	0.00	14.56	14.56	0.00	29.11

MODEL	voltage	total kW	kW L1	kW L2	kW L3	A L1	A L2	A L3	A 1phase
SUER-680, SER-680	400V 3N~	7	7	0.0	0.0	30.43	0.00	0.00	30.43
	415V 3N~	7	7	0.0	0.0	29.17	0.00	0.00	29.17
	380V 3N~	6.40	6.40	0.00	0.00	29.11	0.00	0.00	29.11

Assembly Number 2693699

Date: 6-May-99

Revision: 1, Item 2 was 63", Item 3 was 10"

Title: S(U)ERC. SER-680 WIRE SPECIFICATIONS

By VC

NUMBER IN () NOT MARKED ON WIRE

item	wire mark	part number	quantity	type	colour	description	length	QTY	terminal A	terminal B	terminal B description
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

NOTE : 51 - 58 FOR S(U)ER680 ONLY

REV	DESCRIPTION	DR.	DATE	REV. #	USE FROM SERIAL No. _____ TO _____	MODEL N O: S(U)ERC	DATE: MAY 6/1999	DR: VC
						S(U)ER-680	2693700	
						220-240VAC		

