

OPERATOR MANUAL

IMPORTANT INFORMATION, KEEP FOR OPERATOR

888-994-7636, fax 888-864-7636 unifiedbrands.net

THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL.

FOR YOUR SAFETY Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

NOTIFY CARRIER OF DAMAGE AT ONCE It is the responsibility of the consignee to inspect the container upon receipt of same and to determine the possibility of any damage, including concealed damage. Randell suggests that if you are suspicious of damage to make a notation on the delivery receipt. It will be the responsibility of the consignee to file a claim with the carrier. We recommend that you do so at once.

Manufacture Service/Questions 888-994-7636.

This manual provides information for:

3000 SERIES ELECTRIC HOT FOOD HOLDING UNIT MODELS 3300/3500/3600





RETAIN THIS MANUAL FOR FUTURE REFERENCE

NOTICE: Due to a continuous program of product improvement, Randell reserves the right to make changes in design and specifications without prior notice.

NOTICE: Please read the entire manual carefully before installation. If certain recommended procedures are not followed, warranty claims will be denied.

MODELNUMBER_	
SERIAL NUMBER_	



randell.

The serial number is located on the control panel. An example is shown here.

INSTALLATION DATE

An DESCRIPTION

EQUIPMENT DESCRIPTION

3300 SERIES - COMMON WATERBATH

						CC DOTTOM	208V				CUID MIT		
MODEL	LENGTH	DEPTH	HEIGHT	WELLS	ELEMENTS	SS BOTTOM SHELF SQ. FT.	KW	AMPS	NEMA	KW	AMPS	NEMA	SHIP WT (LBS)
3312	33"	30"	36"	2	1	5.5	3	14.4	6-20P	3	12.5	6-20P	116
3313	48"	30"	36"	3	1	8.1	3	14.4	6-20P	3	12.5	6-20P	174
3314	63"	30"	36"	4	2	10.7	6	28.8	6-50P	6	25	6-50P	232
3315	78"	30"	36"	5	2	13.3	6	28.8	6-50P	6	25	6-50P	290

NOTE: All 3300 series units require 1" to 2" of water be added PRIOR to heating of the elements. Hot water is recommended.

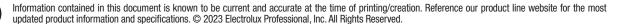
3500 SERIES - OPEN WELL (spillage pans required for wet operation)

	" " SS BOTTOM		120V – 750 WATT			208V – 865 WATT			240	CUID WIT							
MODEL	LENGTH	DEPTH	HEIGHT	WELLS	ELEMENTS	SHELF SQ. FT.	KW	AMPS	NEMA	KW	AMPS	NEMA	KW	AMPS	AMPS	SHIP WT (LBS)	
3512	33"	30"	36"	2	2	5.5	1.5	12.5	5-20P	1.73	8.32	6-15P	2.3	9.58	6-15P	116	
3513	48"	30"	36"	3	3	8.1	2.25	18.75	5-30P	2.6	12.48	6-20P	3.45	14.37	6-20P	174	
3514	63"	30"	36"	4	4	10.7	3	25	5-50P	3.46	16.64	6-30P	4.6	19.16	6-30P	232	
3515	78"	30"	36"	5	5	13.3	3.75	31.25	5-50P	4.33	20.8	6-30P	5.75	23.95	6-30P	290	









3600 SERIES - SEALED WELL

				" " SS BOTTOM		SS BOTTOM 120V – 750 WATT			208	V – 865 V	VATT	240	SHIP WT				
MODEL	LENGTH	DEPTH	HEIGHT	WELLS	ELEMENTS	SHELF SQ. FT.	KW	AMPS	NEMA	KW	AMPS	NEMA	KW	AMPS	AMPS	(LBS)	
3612	33"	30"	36"	2	2	5.5	1.5	12.5	5-20P	1.73	8.32	6-15P	2.3	9.58	6-15P	116	
3613	48"	30"	36"	3	3	8.1	2.25	18.75	5-30P	2.6	12.48	6-20P	3.45	14.37	6-20P	174	
3614	63"	30"	36"	4	4	10.7	3	25	5-50P	3.46	16.64	6-30P	4.6	19.16	6-30P	232	
3615	78"	30"	36"	5	5	13.3	3.75	31.25	5-50P	4.33	20.8	6-30P	5.75	23.95	6-30P	290	

INSTALLATION

WARNING: FAILURE TO FOLLOW INSTALLATION GUIDELINES AND RECOMMENDATIONS MAY VOID THE WARRANTY ON YOUR UNIT.

SELECTING A LOCATION FOR YOUR NEW UNIT

The following conditions should be considered when selecting a location for your unit:

- Floor Load: The area on which the unit will rest must be level, free of vibration, and suitably strong enough to support the combined weights of the unit plus the maximum product load weight.
- Clearance: There must be a combined total of at least 3" clearance on all sides of the unit.
- 3. Ventilation: The unit must not be inserted into a cabinet.

INSTALLATION CHECKLIST

WARNING: DAMAGE TO EQUIPMENT MAY RESULT IF NOT FOLLOWED. RANDELL IS NOT RESPONSIBLE FOR DAMAGE TO EQUIPMENT IF IMPROPERLY INSTALLED.

NOTE: ALL MOTORS ARE OILED AND SEALED.

After the final location has been determined, refer to the following checklist prior to start-up:

- Check all exposed power cords and plugs to ensure that they are not kinked, damaged, or show exposed wires.
- Check that the thermostat knobs turn on/off and stop at the designated position.
- Unit must be properly leveled; check all legs or casters to ensure they all are in contact with the floor while maintaining a level work surface. Adjusting bullet feet heights or shimming casters may be necessary if the floor is not level.
- 4. Add 1" of water (less than one gallon) to holding pans on individual well models (including 3600 Series). Add 1" to 2" of water to all other models that require water. Check for any sign of water leaking. (See Unit Operation.)
- 5. Plug in unit and turn on thermostats. (Indicator lights for each well will illuminate indicating the thermostat is calling for heat).
- 6. Allow unit time to heat water to temperature. (See Unit Operation.)
- Refer to the front of this manual for serial number location. Please record this information in your manual on page 3 now. It will be necessary when ordering replacement parts or requesting warranty service.
- 8. Confirm that the unit is holding temperature. Set controls to desired temperature for your particular ambient and altitude.
- Allow your unit to operate for approximately 1 hour before putting in food to allow of unit to heat to storage temperature.

ELECTRICAL SUPPLY

The wiring should be done by a qualified electrician in accordance with local electrical codes. A properly wired and grounded outlet will assure proper operation. Please consult the data tag attached to the control panel to ascertain the correct electrical requirements.

OPERATION

WARNING: DO NOT ADD WATER TO 3500 OPEN WELL UNITS UNLESS SPILLAGE PANS ARE UTILIZED.

WARNING: DO NOT ADD WATER TO AN EMPTY WELL THAT IS AT HOLDING TEMPERATURE.

3300 SERIES: WET OPERATION ONLY

3500 SERIES: WET OR DRY OPERATION. SPILLAGE PANS REQUIRED IF WET OPERATION IS DESIRED. SPILLAGE PANS NOT PROVIDED WITH STANDARD UNITS.

3600 SERIES: WET OPERATION ONLY.

WARNING: EACH WELL WITH A DRAIN IS SUPPLIED WITH A SCREEN TO PREVENT LARGE OBJECTS FROM ENTERING THE DRAIN. DO NOT FORCE LARGE OBJECTS THROUGH THE DRAIN.

WARNING: ELECTRIC ELEMENTS ARE NOT SUBMERSIBLE.

CAUTION: MOISTURE COLLECTING FROM IMPROPER DRAINAGE CAN CREATE A SLIPPERY SURFACE ON THE FLOOR AND A HAZARD TO EMPLOYEES.

All 3300/3500/3600 units are designed for 145°F to 175°F operation or 140°F to 170°F product temperature. When using the unit dry expect at least a 15°F drop in product temperatures compared to using the unit wet.

- Add 1" of water (less than one gallon) to holding pans on individual sealed well models (including 3600 Series). Add 1" to 2" of water to all other models that require water. Hot water is recommended.
- 2. Turn thermostat to #4
- 3. Red indicator light will energize to show corresponding well that is heating.
- 4. Wait 1 hour before adjusting thermostat. Higher number will increase temperature. Lower number will decrease temperature.
- 5. Turn thermostat to off position when operation is completed.

Some models of electric hot food holding units may be operated wet or dry. Wet operation is recommended for higher efficiency. Hot water is recommended for the unit achieving operating temperature sooner. Refilling of wet operation units is required periodically if the water level is lower than 1".

PLUMBING

The units drain must have an outlet to an appropriate drainage area or container. The drain valve can be found under the wells of the unit nearest the left or right side wall of the lower shelf.

- 1. Place container directly under drain valve.
- 2. Open valve slowly to prevent splatter of hot water.
- 3. Close valve completely before remove container for drainage.

PREVENTIVE MAINTENANCE

WARNING: DO NOT USE STEEL PADS, WIRE BRUSHES, SCRAPERS, OR CHLORIDE CLEANERS TO CLEAN YOUR STAINLESS STEEL. CAUTION: DO NOT USE ABRASIVE CLEANING SOLVENTS, AND NEVER USE HYDROCHLORIC ACID (MURIATIC ACID) ON STAINLESS STEEL.

WARNING: DO NOT PRESSURE WASH EQUIPMENT AS DAMAGE TO ELECTRICAL COMPONENTS MAY RESULT.

Randell strongly suggests a preventive maintenance program which would include the following **Monthly** procedures:

- Clean your hot food unit with a solution of warm water and a mild detergent.
 The stainless steel portion of your unit can be polished with any quality polish.
- Drain water from wells daily and wipe them out. Clean wells thoroughly twice a week to help insure a longer life for your wells.
- 3. Clean and disinfect drains with a solution of warm water and mild soap.

Recommended cleaners for your stainless steel include the following:

JOB	CLEANING AGENT	COMMENTS
Routine cleaning	Soap, ammonia, detergent Medallion	Apply with a sponge or cloth
Fingerprints and smears	Arcal 20, Lac-0-Nu, Ecoshine	Provides a barrier film
Stubborn stains and discoloration	Cameo, Talc, Zud, First Impression	Rub in the direction of the polish lines
Greasy and fatty acids, blood, burnt-on foods	Easy-Off, Degrease It, Oven Aid	Excellent removal on all finishes
Grease and Oil	Any good commercial detergent	Apply with a sponge or cloth
Restoration/Preservation	Benefit, Super Sheen	Good idea monthly

Reference: Nickel Development Institute, Diversey Lever, Savin, Ecolab, NAFEM

Proper maintenance of equipment is the ultimate necessity in preventing costly repairs. By evaluating each unit on a regular schedule, you can often catch and repair minor problems before they completely disable the unit and become burdensome on your entire operation.

For more information on preventive maintenance, consult your local service company, ASA, or CFESA member. Most repair companies offer this service at very reasonable rates to allow you the time you need to run your business along with the peace of mind that all your equipment will last throughout its expected life. These services often offer guarantees as well as the flexibility in scheduling or maintenance for your convenience.

Randell believes strongly in the products it manufactures and backs those products with one of the best warranties in the industry. We believe with the proper maintenance and use, you will realize a profitable return on your investment and years of satisfied service.

REPLACEMENT PARTS

To order parts, contact your Authorized Service Agent. Supply the model designation, serial number, part description, part number, quantity, and when applicable, voltage and phase.

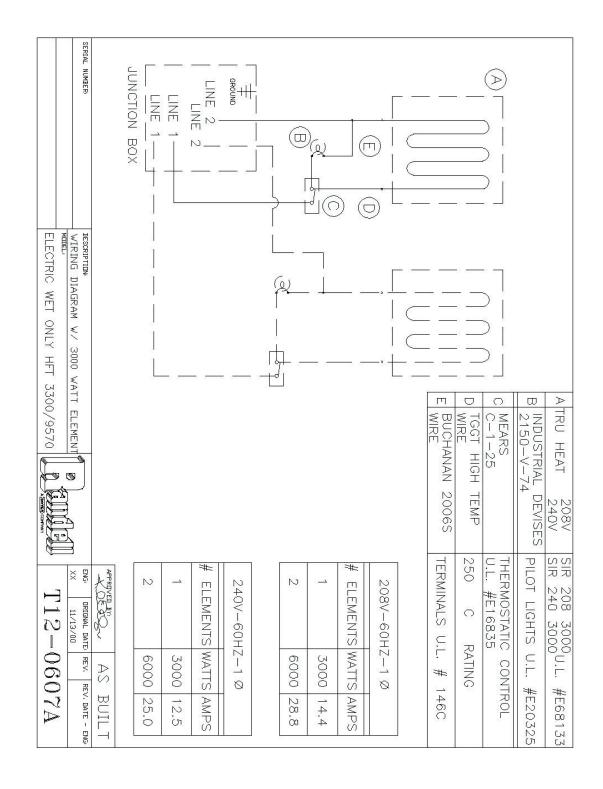
CONTACT US

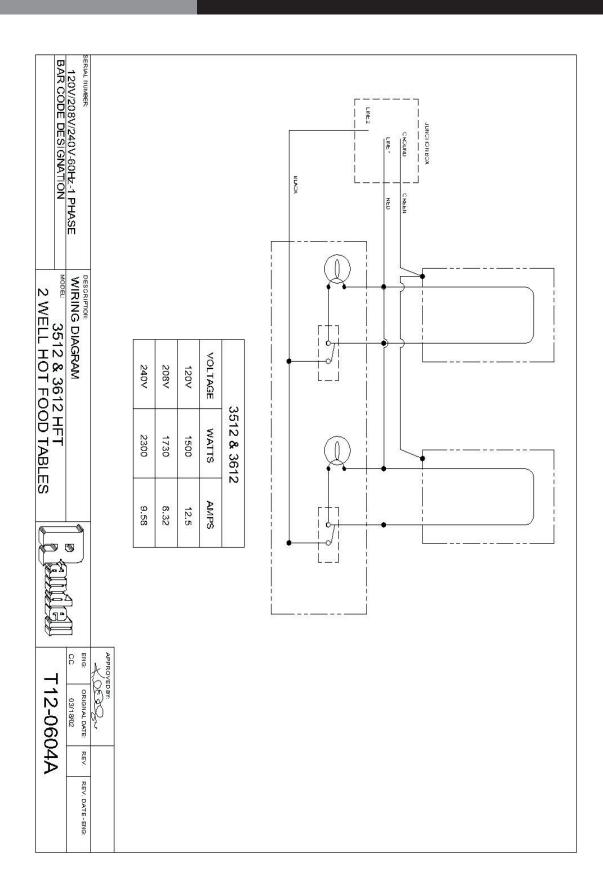
If you have questions pertaining to the content in this manual, contact Randell at 888-994-7636.

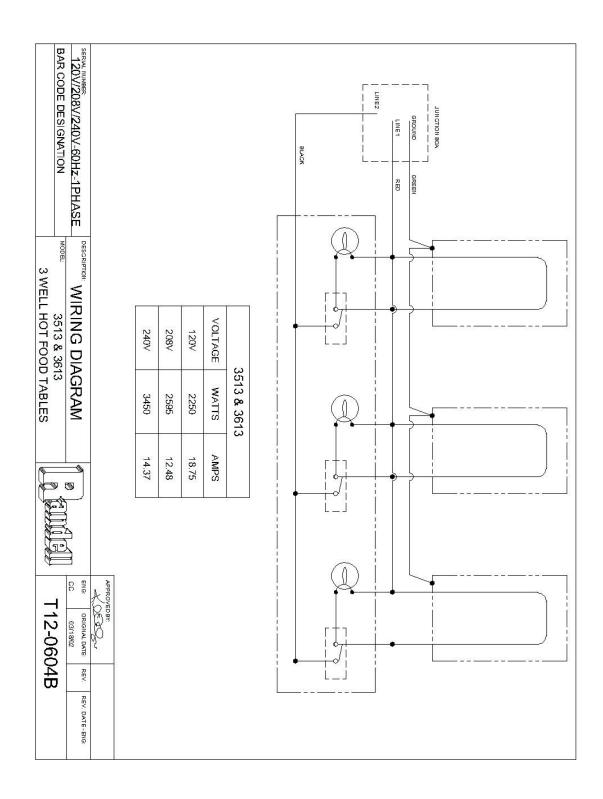
TROUBLESHOOTING

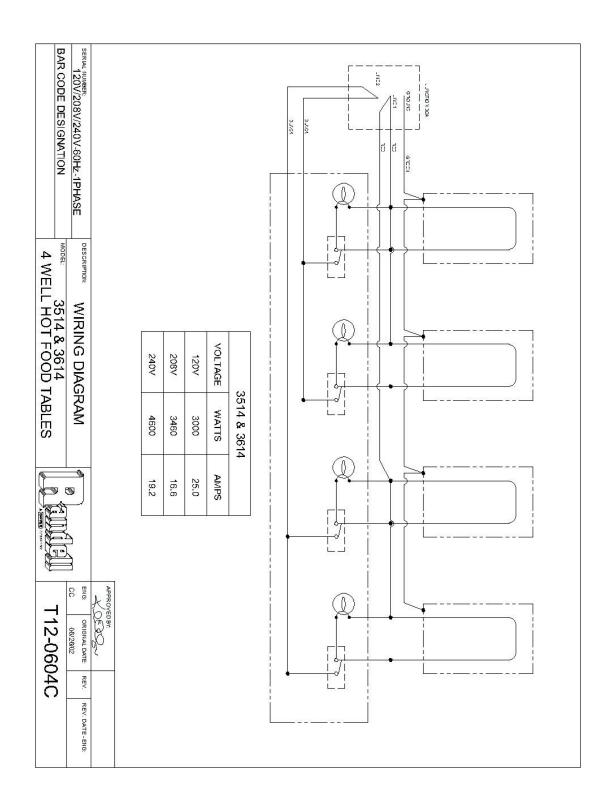
This unit is designed to operate smoothly and efficiently if properly maintained. However, the following is a list of checks to make in the event of a problem. Wiring diagrams are found at the end of this manual. When in doubt, turn unit off and contact service at 888-994-7636.

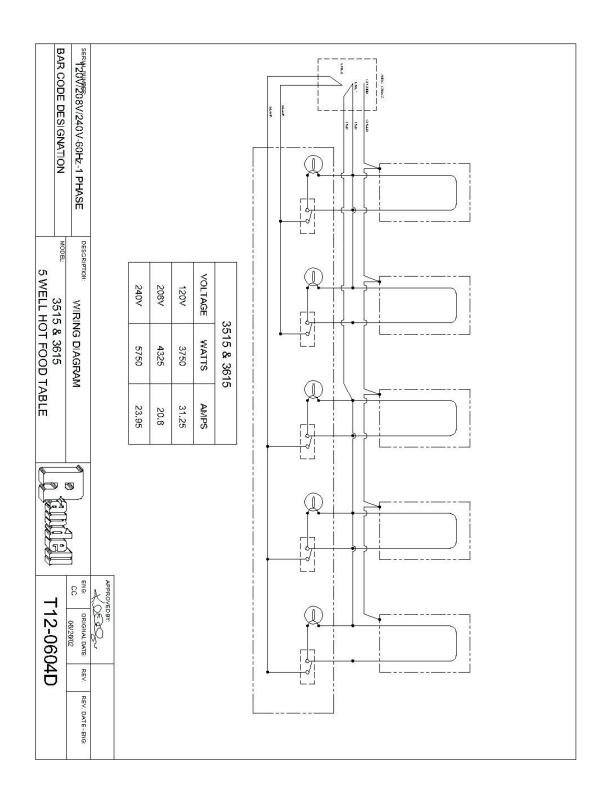
SYMPTOM	POSSIBLE CAUSE	PROCEDURE						
	No power to unit	Plug in unit						
Unit doesn't heat	Temperature control turned off	Check temperature control						
	Temperature control faulty	Test temperature control						
	Element does not heat	Test element for continuity						
Unit too hot	Thermostat not shutting off	Test thermostat						
Unit rung constantly	Too much water in well	1" - 2" of water per well						
Unit runs constantly	Thermostat sensing bulb	Check location of sensing bulb						
Unit looking water	Drain	Check drains for leaks						
Unit leaking water	Pan cracked	Call ASA for repair						



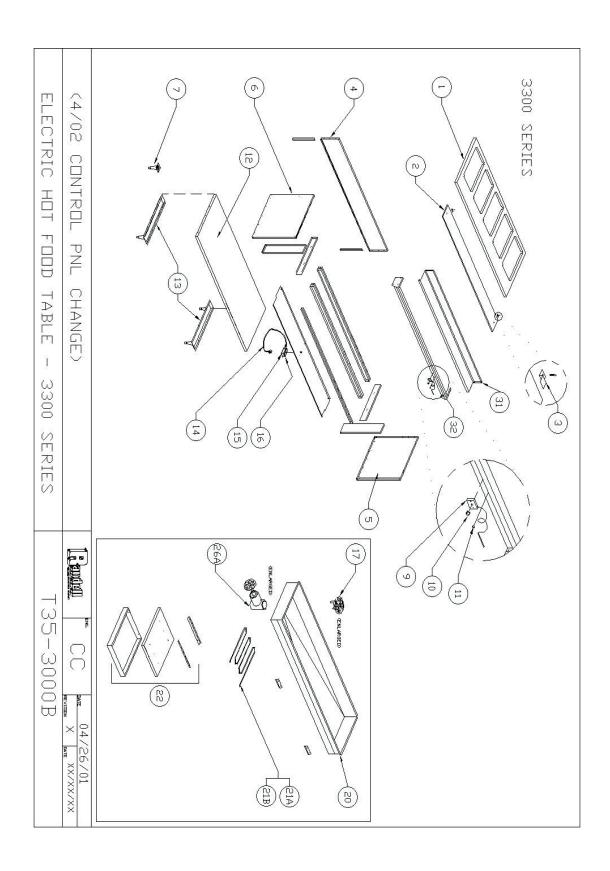




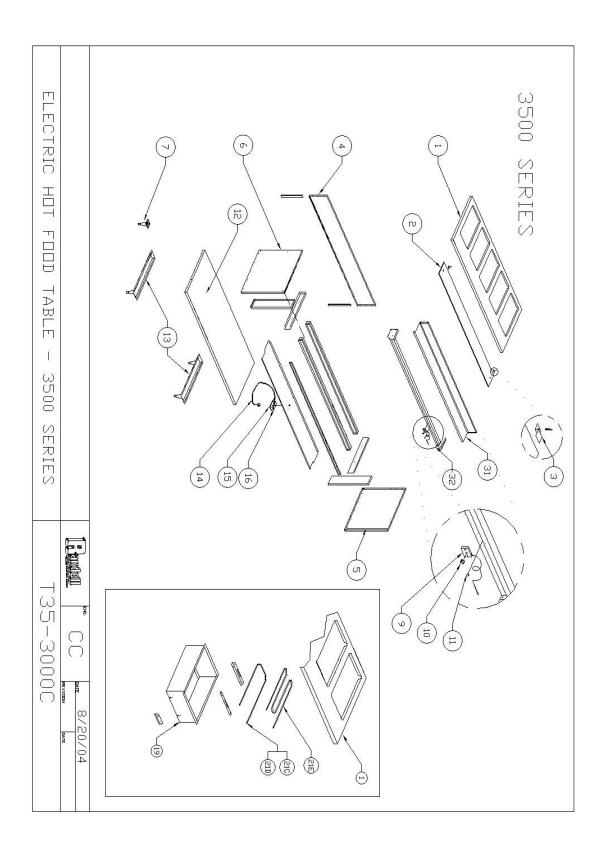




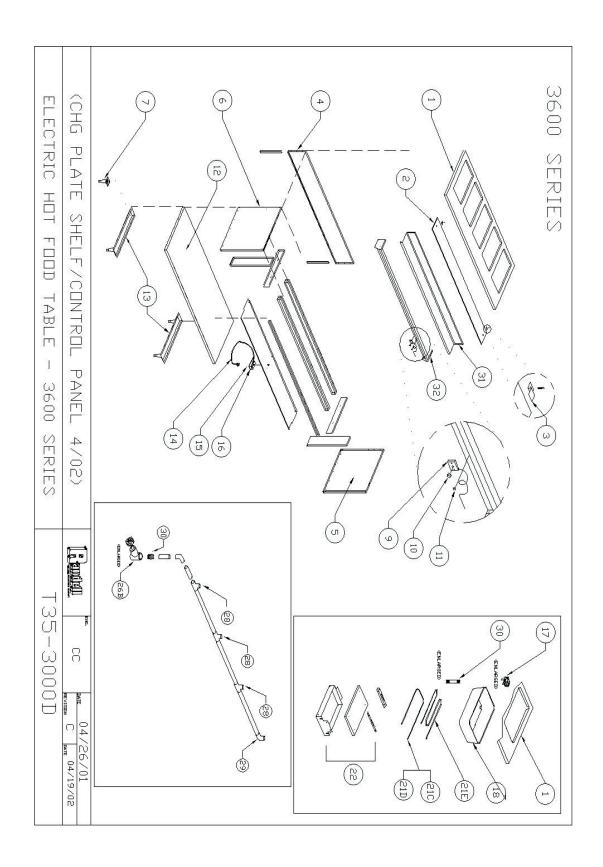
Parts Exploded View



Parts Exploded View



Parts Exploded View



Parts List

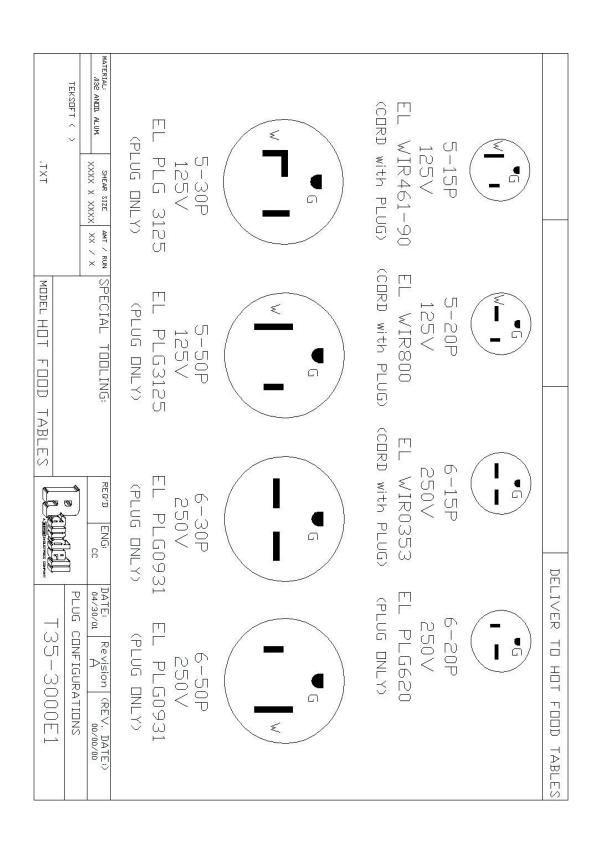
ITEM	PART NUMBER	DESCRIPTION	3 3 1 2	3 3 1 3	3 3 1 4	3 3 1 5	3 5 1 2	3 5 1 3	3 5 1 4	3 5 1 5	3 6 1 2	3 6 1 3	3 6 1 4	3 6 1 5
1A	RP T0P3312	TOP, 2 WELL (30" X 33")	Х				Χ				Χ			
1B	RP T0P3313	TOP, 3 WELL (30" X 48")		Χ				Χ				Χ		
1C	RP T0P3314	TOP, 4 WELL (30" X 63")			Χ				Χ				Χ	
1D	RP T0P3315	TOP, 5 WELL (30" X 78")				Χ				Χ				Х
2A	RP CPH0833	CUTTING BOARD, 7/16" POLY, 8" X 33"	Х				Χ				Χ			
2B	RP CPH0848	CUTTING BOARD, 7/16" POLY, 8" X 48"		Χ				Χ				Χ		
2C	RP CPH0863	CUTTING BOARD, 7/16" POLY, 8" X 63"			Χ				Χ				Χ	
2D	RP CPH0878	CUTTING BOARD, 7/16" POLY, 8" X 78"				Χ				Χ				Х
3	RP CLP001	CLIP, 1/2" CUTTING BOARD	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
4A	RP PNL0106	PANEL, REAR 2 WELL (11.5" X 30.5")	Х				Χ				Χ			
4B	RP PNL0107	PANEL, REAR 3 WELL (11.5" X 45.5")		Χ				Χ				Χ		
4C	RP PNL0108	PANEL, REAR 4 WELL (11.5" X 60.5")			Χ				Χ				Χ	
4D	RP PNL0109	PANEL, REAR 5 WELL (11.5" X 76.5")				Χ				Χ				Х
5	RP SID0103	SIDE, RIGHT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
6	RP SID0104	SIDE, LEFT	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
7	HD LEG9902	6" LEG	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
9	EL HFT0201	ELECTRIC HOT FOOD CONTROL	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
10	HD KNB0003	KNOB, CONTROL	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
11	EL LGT500	LIGHT, INDICATOR	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
12A	RP SHL0103	SHELF, BOTTOM 2 WELL (29" X 32.5")	Х				Χ				Χ			
12B	RP SHL0104	SHELF, BOTTOM 2 WELL (29" X 47.5")		Χ				Χ				Χ		
12C	RP SHL0105	SHELF, BOTTOM 2 WELL (29" X 62.5")			Χ				Χ				Χ	
12D	RP SHL0106	SHELF, BOTTOM 2 WELL (29" X 62.5")				Χ				Χ				Х
13	RP CHN0101	CHANNEL, LEG	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
14-1A	EL WIR800	120V PWR CORD W/ PLUG, 12/3, 5-20P					Χ				Χ			
14-1B	EL WIR0353	240V PWR CORD W/ PLUG, 14/3, 6-15P					Χ				Χ			
14-C	EL WIR380	PWR CORD, 14/3, NO PLUG, 10' REQ'D	Х	Χ								Χ		
14-C1	EL PLG620	20A ANGLE PLUG, 6-20P	Х	Χ								Χ		
14-D	EL WIR360	PWR CORD, 10/3, NO PLUG, 10' REQ'D						Χ	Χ	Χ			Χ	Х
14-D1	EL PLG0931	30A/50A ANGLE PLUG, 6-30P/6-50P						Χ	Χ	Χ			Χ	Х
14-E	EL WIR370	PWR CORD, 12/3, NO PLUG, 10' REQ'D							Χ				Χ	
14-E1	EL PLG0931	30A/50A ANGLE PLUG, 6-30P/6-50P							Χ				Χ	
14-F	EL WIR360	PWR CORD, 10/3, NO PLUG, 10' REQ'D						Χ				Χ		
14-F1	EL PLG3125	30A/50A ANGLE PLUG, 5-30P/5-50P						Χ				Χ		
14-G	EL WIR350	PWR CORD, 8/3, NO PLUG, 10' REQ'D						Χ	Χ	Χ			Χ	Х
14-G1	EL PLG3125	30A/50A ANGLE PLUG, 5-30P/5-50P						Χ	Χ	Χ			Χ	Х
14-H	EL WIR350	PWR CORD, 8/3, NO PLUG, 10' REQ'D			Χ	Χ								
14-H1	EL PLG0931	30A/50A ANGLE PLUG, 6-30P/6-50P			Χ	Χ								
15	EL B0X042	BOX, JUNCTION	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
16	EL CVR8465	COVER, JUNCTION BOX	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
17	RP DSN001	STRAINER, DRAIN					Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
18	RP PAN0005	TANK (3600 SERIES)									Χ	Χ	Χ	Χ
19	RP TNK0103	TANK (3500 SERIES)					Χ	Χ	Χ	Χ				

Parts List

ITEM	PART NUMBER	DESCRIPTION	3 3 1 2	3 3 1 3	3 3 1 4	3 3 1 5	3 5 1 2	3 5 1 3	3 5 1 4	3 5 1 5	3 6 1 2	3 6 1 3	3 6 1 4	3 6 1 5
20A	RP TNK312	TANK 2 WELL (3312) 27" LONG	Х											
20B	RP TNK313	TANK 3 WELL (3313) 42" LONG		Х										
20C	RP TNK314	TANK 4 WELL (3314) 57" LONG			Х									
20D	RP TNK315	TANK 5 WELL (3315) 72" LONG				Χ								
21A	RP ELM3245	ELEMENT, 208V - 3300 SERIES	Х	Χ	Х	Χ								
21B	RP ELM3247	ELEMENT, 240V - 3300 SERIES	Х	Χ	Х	Χ								
21C	EL ELM1150	ELEMENT, 208V/240V-3500&3600					Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ
21D	EL ELM750	ELEMENT, 120V/3500 & 3600/750 watt					Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
21E	EL ELM1172	ELEMENT, 208V/3500H & 3600H/1100 watt					Χ	Х	Χ	Χ	Χ̂	Х	Χ	Х
22	RP PAN0105	PAN, ASSY W/OUT ELEMENT 3300	Х	Χ	Χ	Χ								
23	RP PAN0104	PAN, ASSY W/OUT ELEMENT 3600					Χ	Χ	Χ	Χ	Χ	Х	Χ	Х
26A	PB VLV1000	VALVE, 1" THD GATE (3300)	Х	Χ	Х	Χ								
26B	PB VLV752	VALVE, 1/3" THR GATE (3600)						Χ	Χ	Χ	Χ	Х	Χ	Χ
27	PB ELB504	ELBOW, 90 DEGREE (1/2") SWEAT (3600)						Χ	Χ	Χ	Χ	Х	Χ	Χ
28	PB TEE502	TEE, 1/2" COPPER (3600)						Χ	Χ	Χ	Χ	Χ	Χ	Χ
29	PB ELB758	ELBOW, (3/4" X 1/2") CAST (3600)						Χ	Χ	Χ	Χ	Х	Χ	Χ
30	PB ADP120	ADAPTER 1/2" FPT TO 1/2" SWEAT (3600)						Χ	Χ	Χ	Χ	Χ	Χ	Χ
31A	RP SHL3512	PLATE SHELF, 2 WELL (3000 SERIES)	Х				Χ				Χ			
31B	RP SHL3513	PLATE SHELF, 3 WELL (3000 SERIES)		Χ				Χ				Х		
31C	RP SHL3514	PLATE SHELF, 4 WELL (3000 SERIES)			Х				Χ				Χ	
31D	RP SHL3515	PLATE SHELF, 5 WELL (3000 SERIES)				Χ				Χ				Χ
	RP CNT3312A	CONTROL PANEL - 3312 B4 5.2014	Х											
32A	RP CNT3312B	CONTROL PANEL – 3312 AFTER 5.2014	Х											
000	RP CNT3313A	CONTROL PANEL - 3313 B4 5.2014		Χ										
32B	RP CNT3313B	CONTROL PANEL – 3313 AFTER 5.2014		Χ										
200	RP CNT3314A	CONTROL PANEL - 3314 B4 5.2014			Χ									
32C	RP CNT3314B	CONTROL PANEL – 3314 AFTER 5.2014			Х									
000	RP CNT3315A	CONTROL PANEL - 3315 B4 5.2014				Χ								
32D	RP CNT3315B	CONTROL PANEL – 3315 AFTER 5.2014				Χ								
204	RP CNT3512A	CONTROL PANEL - 3512, 3612 B4 5.2014					Χ				Χ			
33A	RP CNT3512B	CONTROL PANEL - 3512, 3612 AFTER 5.2014					Χ				Χ			
220	RP CNT3513A	CONTROL PANEL - 3513, 3613 B4 5.2014						Χ				Χ		
33B	RP CNT3513B	CONTROL PANEL - 3513, 3613 AFTER 5.2014						Χ				Χ		
33C	RP CNT3514A	CONTROL PANEL - 3514, 3614 B4 5.2014							Χ				Χ	
330	RP CNT3514B	CONTROL PANEL – 3514, 3614 AFTER 5.2014							Χ				Χ	
33D	RP CNT3515A	CONTROL PANEL - 3515, 3615 B4 5.2014								Χ				Χ
งงบ	RP CNT3515B	CONTROL PANEL – 3515, 3615 AFTER 5.2014								Χ				Χ
NS	HD CST060	6" LOCKING CASTERS	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ
NS	HD CST061	6" NON LOCK CASTER	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ
NS	HD CST040HD	4" LOCKING CASTERS	Х	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Χ
NS	HD CST041HD	4" NON LOCK CASTERS	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ
NS	HD FLR150	FILL FAUCET	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ
NS	EL SWT610BE	SWITCH, RED ILLUMINATED ROCKER AFTER 5.2014	Х	Х	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ

NS = Not Shown

NEMA Plug Configuration



Service Log

Model No:		Purchased From:								
Serial No:		Location:								
Date Purchased:		Date Installed:								
Purchase Order No:		For Service Call:								
Data	Maintenana Perference	od Dominion I D								
Date	Maintenance Performed	1	Performed By							