



**Barker**<sup>™</sup>  
SPECIALTY PRODUCTS by Hill PHOENIX

# Service & Installation Instructions

Keep this booklet for future reference

- BDPC Series
- BDPF Series
- DLPC Series
- FT Series
- PC Series
- PF Series

For Additional Copies Please Contact:

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**IMPORTANT!!**  
**KEEP FOR FUTURE REFERENCE**

## General Information

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This booklet contains information on:

### **BDPC Series**

Low Profile, Single Deck Merchandiser to Match Service Deli Lineup

### **BDPF Series**

PF Merchandiser to Match Service Deli Lineup

### **DLPC Series**

Low Profile, Single Deck Merchandiser to Match SSD Service Deli Lineup

### **FT Series**

Low Profile, Floral Merchandiser

### **PC Series**

Low Profile, Single Deck Merchandiser

### **48" PF Series**

48" Three Deck High Merchandiser

### **54" PF Series**

54" Four Deck High Merchandiser

### **72" PF Series**

72" Five Deck High Merchandiser

The BDPC, BDPF, PC, 48" PF, 54" PF and 72" PF Series has been approved for the following standards:



## Shipping Information

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### **IMPORTANT!**

**FOR YOUR PROTECTION PLEASE READ AND OBSERVE THE FOLLOWING INSTRUCTIONS:**

Transportation companies assume all liability from the time a shipment is received by them until the time it is delivered to the consumer. Our liability ceases at the time of shipment.

All shipments leaving our plant have been carefully inspected. If a shipment arrives with the crating or packaging damaged, have the carrier note the condition on the receipt. Check as soon as possible for concealed damage.

If it is found that the shipment has been damaged in transit, please DO NOT return it to us, but notify and file a claim with the carrier at once. **FAILURE TO FOLLOW THIS PROCEDURE WILL RESULT IN REFUSAL BY THE CARRIER TO HONOR ANY CLAIMS WITH A CONSEQUENT LOSS TO THE CONSUMER.**

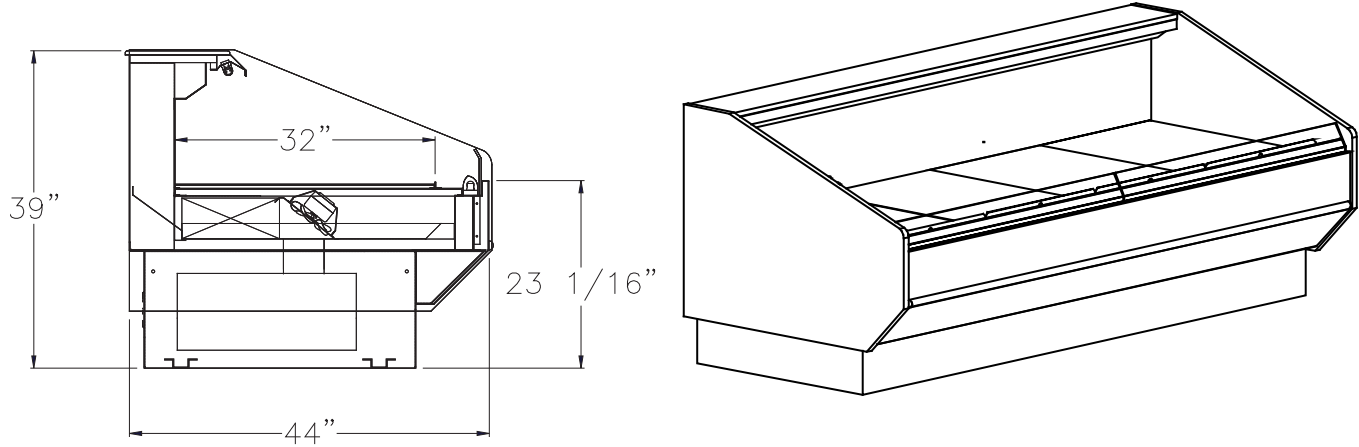
If a UPS shipment has been damaged, retain the damaged material and the carton and notify us at once. WE will file a claim.

GOODS SHOULD NOT BE RETURNED FOR CREDIT UNLESS AUTHORIZED BY OUR SALES DEPARTMENT.

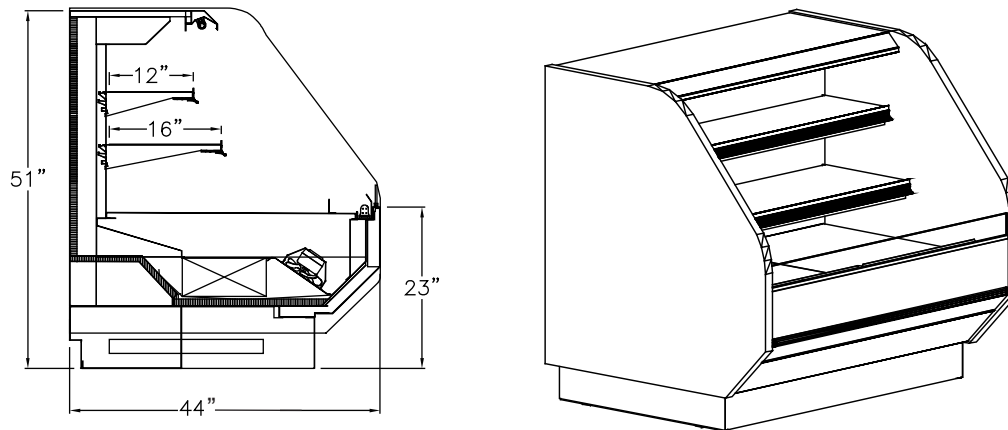
# Case Drawings

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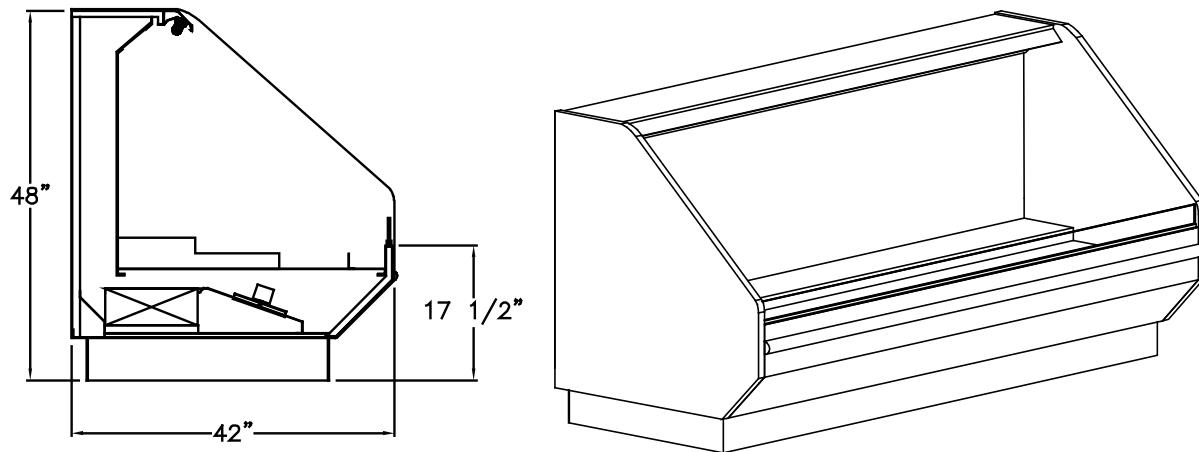
## BDPC Series



## BDPF Series

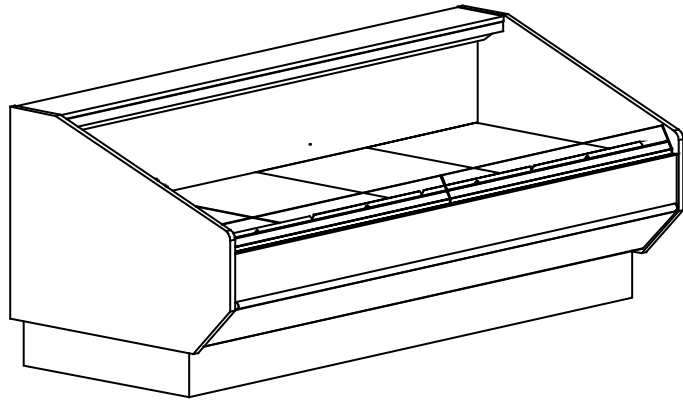
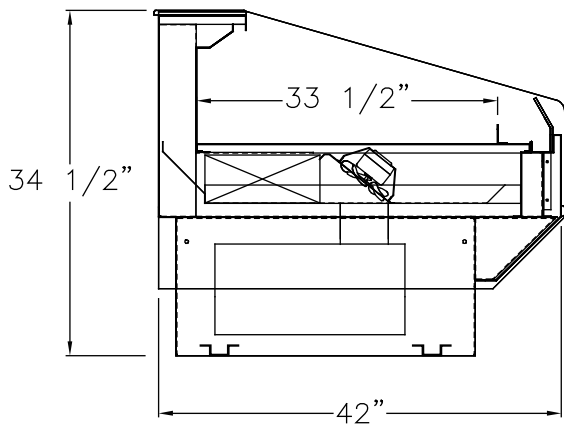


## FT Series

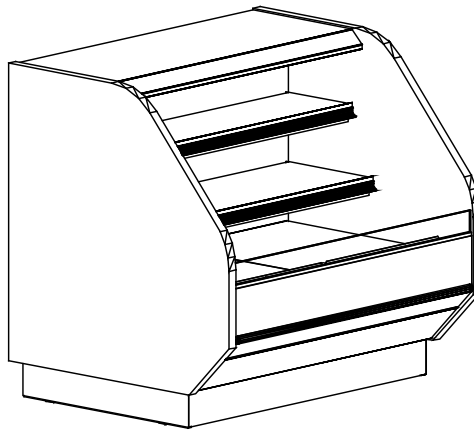
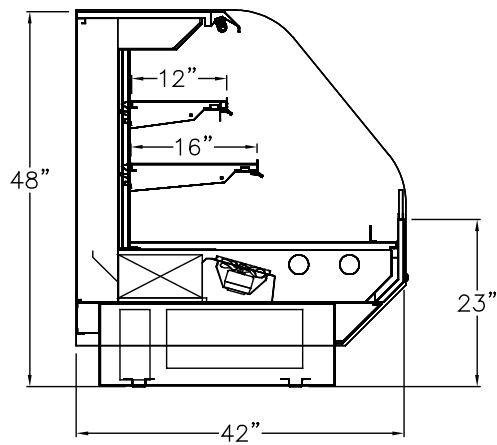


# Case Drawings (continued)

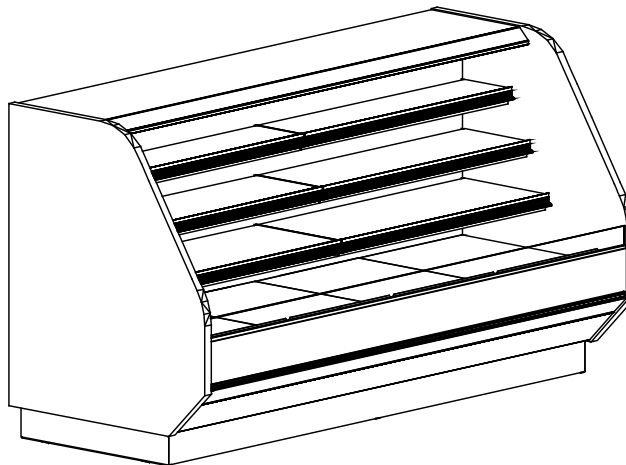
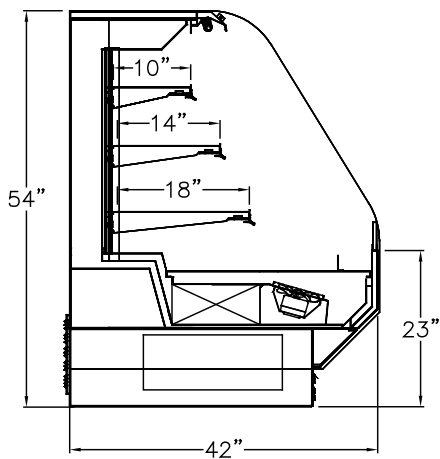
## PC Series



## PF 48" Series

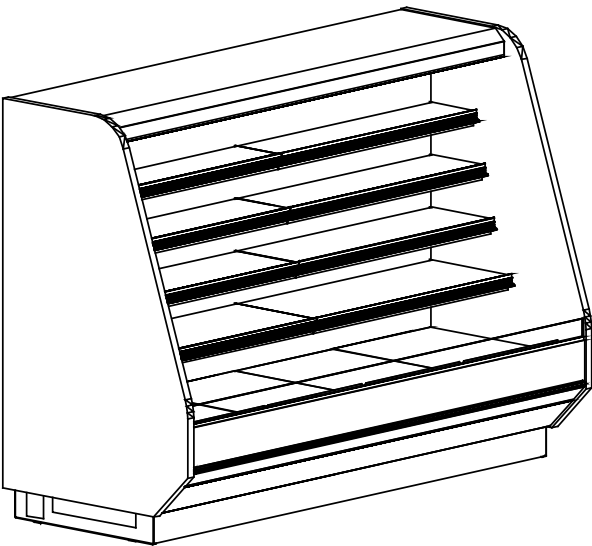
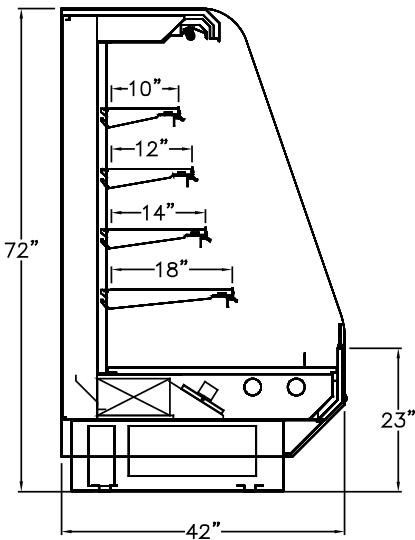


## PF 54" Series



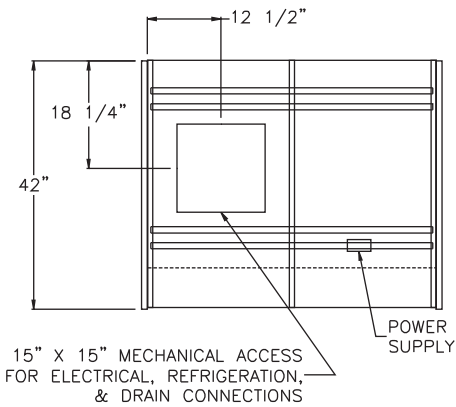
# Case Drawings (continued)

## Pf 72 Series

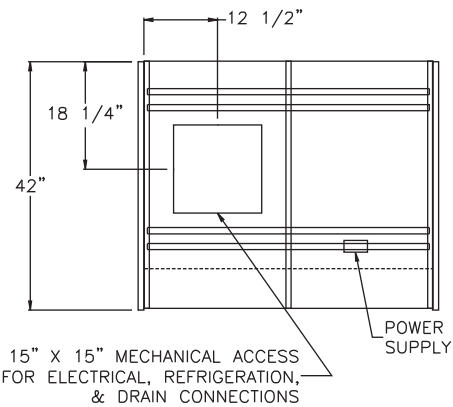


## Mechanical Drawings

### PC Series



### PF Series



# Installation Instructions

## Location

This refrigerated display case has been designed for displaying and storing perishable food product. It is engineered for air-conditioned stores with a maximum ambient of 75° F and 50% relative humidity. When selecting the location for placement of this case, avoid the following conditions:

Excessive air movement

- Doors
- Air-conditioned vents
- Other air sources

Excessive heat

- Windows
- Sun
- Flood lamps 8 feet or less from the product
- Other heat sources

## Crate Removal

Move case as close as possible to its location. Remove all crating and shipping braces above the shipping pallet. Loosen the plastic dust cover from the pallet, but leave cover over the case to protect it while removing the case from the pallet. Carefully, lift case up and off the pallet. Remove dust cover. Installation hardware ships in an installation packet located inside the case. **NOTE:** Locate the horizontal supports underneath of unit before removing from pallet, damage to the finished metal will occur if correct lift points are not identified prior to removal.



## Compressor

The 6', 8', 10 and 12' Self-Contained cases are equipped with a shipping block under the compressor. This block must be removed upon installation. Loosen all four nuts on the compressor hold down screws. Lift or pry the compressor up and remove the shipping block. **DO NOT** retighten screws, as the compressor should be left free to float on the spring mounts.

**FAILURE TO REMOVE THE SHIPPING BLOCK WILL RESULT IN EXCESSIVE NOISE, REFRIGERANT LEAKS AND WILL VOID WARRANTY PROTECTION.**

## Drain, Electrical and Refrigeration Connections on Remote Cases

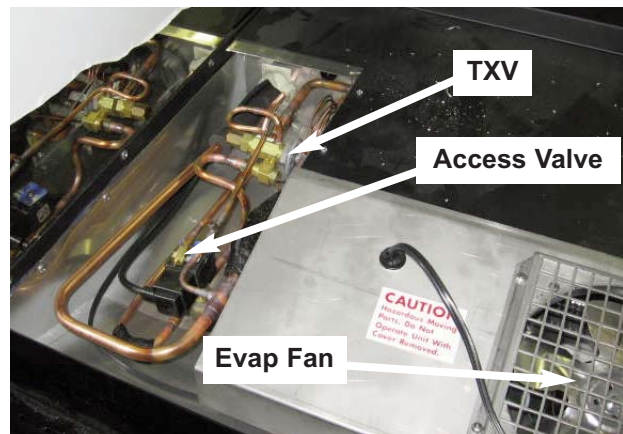
**NOTE: Barker remote units are shipped with a dry nitrogen charge of approximately 10 lbs. pressure in the evaporator coil. During installation if nitrogen charge is not present, leak check accordingly.**

4', 6', 8' and 10' cases contain one condensate drain. 12' cases contain two condensate drains. Connect drains to existing floor drains. Provide as much downhill slope as possible and avoid long runs of drain lines. Do not install condensate drains in contact with non-insulated suction lines in order to prevent condensate from freezing (See mechanical plans and table for drain locations.)

**NOTE:** P Traps must be installed prior to floor drain.

1. Electrical connections are made through the power supply box of each case, which can be accessed by removing the back panel above the toe kick. The power supply is located in the raceway as shown to the right. Voltage requirements and component amperes can be found in the electrical section of this manual, but always check the data tag located on the inside back of the case. Case must be grounded.
2. Refrigeration connections will be made through the refrigeration stub up (See mechanical plans and table for each case). See refrigeration information section for case loads and recommended settings. Refrigeration lines may be headed together for all cases in a lineup, if desired, by running lines through the refrigeration access hole in each end. Seal all access holes to prevent recirculation.

For proper refrigeration performance, **PRODUCT MUST NOT BE PLACED IN A POSITION WHERE IT MAY AFFECT THE AIR CURTAIN.** Air discharge and return air vents must remain unobstructed.





# Installation Instructions (continued)

## Case Exterior Loading

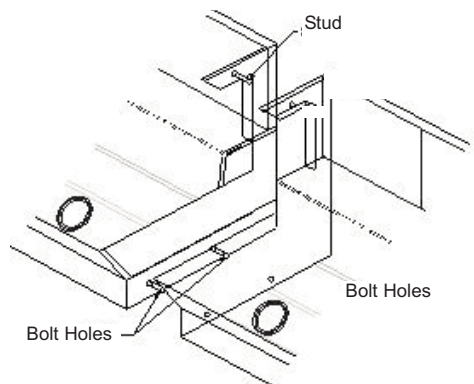
These cases are not designed for excessive external weight. **DO NOT WALK ON THE TOP OF THE CASES.** Walking on top of cases could cause personal injury and damage to the case.

## Leveling

To ensure proper operation of the refrigeration system and drainage of the condensate, the case **MUST BE LEVEL.** Use a carpenter level to level front to back and side to side. Shim as necessary.

## Joining Lineups

1. Begin all lineups leveling from the highest point of the store floor.
2. Remove front and rear toe kicks by removing screws on all sides. Set and level first case.
3. Level second case to first case and seal with a good grade silicone on all edges of each case, taking care not to get silicone on plexiglas.
4. Slide cases together over bottom bolts. Apply nuts over bolts and tighten slightly.
5. Level case so the top front slides into top stud pin. (See Illustration.) Shim or adjust leveling Pads as necessary. **THE FRONT OF THE CASES MUST BE FLUSH.**
6. Tighten bottom studs tightly.
7. Seal all seams. Use metal U-channel located inside case to seal and cover where interior case beds join.
8. Use trim kit to cover seam between cases. Peel backing off trim and press firmly over seam.

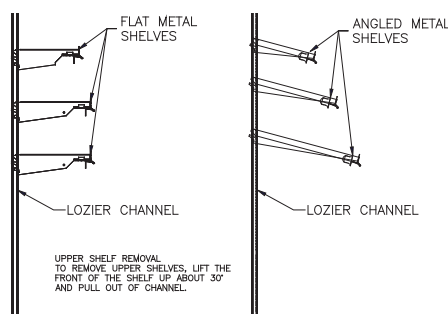


## Shelving

All shelves are adjustable in 1" increments and may be positioned flat or angled. Shelves are to be installed with the smallest depth on top and larger on the bottom for proper air flow. Shelf brackets can be removed by lifting shelf up about 30° and pulling straight out. Reposition brackets as desired. All cases with shelf lights are equipped with an interlocking plug system. **FOR SHELF LIGHTS TO WORK THE PLUG MUST BE FULLY ENGAGED.**

## Wire Shelving

1. Wire shelving is shipped in the case and secured for shipping with plastic ties.
2. Remove plastic shipping straps before repositioning.
3. Wire shelves may be used in an angled or flat position. (See Illustration.)
4. Metal shelving over 12" in depth is shipped separately. Remove from crate and install as shown below. If metal shelving is 12" in depth or less shelving is shipped inside case
5. Remove plastic shipping straps on shelves shipped inside case before repositioning.
6. Metal shelves may be flat or angled.



## Installation Checklist

**Before supplying electrical power and starting case check the following:**

1. Compressor Area (For Self-contained cases).  
Remove shipping block on units with semi-hermetic compressors. Check location of controls.
2. Evaporator Area.  
Check to ensure evaporator fan pressure plates are secure and in proper position  
**NOTE:** Hinged portion of pressure plates are secured for shipping with mounting screws. Screws do not have to be removed for case operation but must be removed to use hinge.
3. Lighting System.  
Check to ensure male plugs are completely inserted in female sockets and that all lamps are securely seated in light fixture.
4. Case Leveling  
Visually check case. If lift glass is out of adjustment or case looks out of square, use a carpenter's level and shim as needed. (See Page 8 for details.)

After supplying power to the case and starting unit:

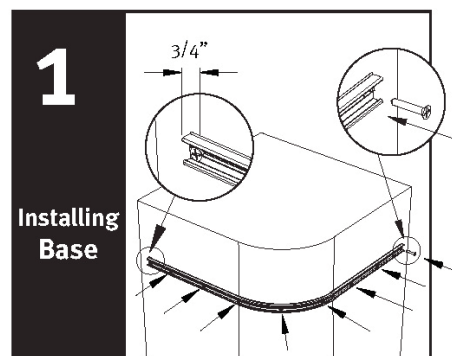
1. Check to ensure all fans are operational.
2. Check all lights.
3. Check case temperature and adjust thermostat as needed.



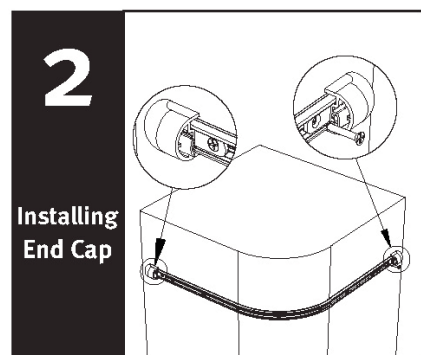
# Installation Instructions (continued)

## Cart Bumper Installation

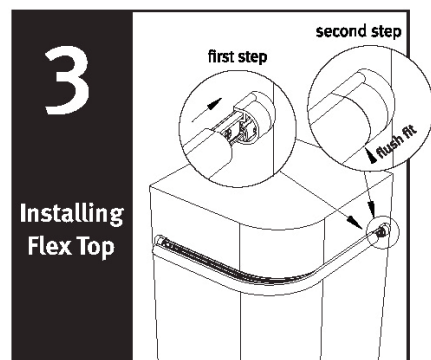
Tools required: Tape measure, pencil, drill with phillips driver bit, rubber mallet, straight edge, chalk line, PVC cutters, cotton rags, non-abrasive cleaner



Cut plastic base to desired length of fixture. When using end caps be sure to cut base 3/4" short of fixture edge. When using corners, be sure to cut base so that it is flush with fixture edge. Secure base to fixture with screws every 4" on center. Make sure to put a screw 3/8" away from the cut end of base.

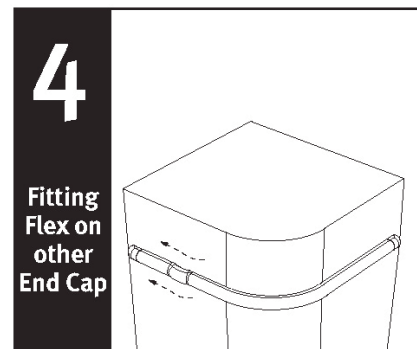


SNAP end caps or corners onto the base extrusion. Secure with #8 flat head phillips screws.

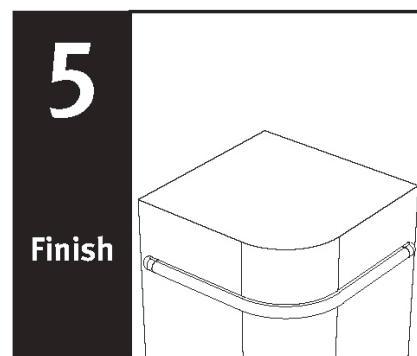


When installing flexible bumper top, the cut ends need to be as straight as possible. To mount on a curved or flat surface, start at one end and attach bumper to base by hooking bumper top onto track, then snap bottom portion into place

and slide bumper against the end cap for a flush fit. Continue to hook bumper onto base track with your hand or using a rubber mallet until you reach other end cap. NOTE: Cover mallet with a cloth to prevent marring the bumper finish.



Mark and cut tail end of flexible bumper at least 1/8" longer than beyond the end cap position. NOTE: Make sure the end cut is straight and square for proper fit. Slightly retract the bumper in order to feed cut end into the end cap as you finish hooking the top and bottom edges of the bumper onto the base track. You should feel and hear the bumper snap into place for a snug fit.



Finally, check for proper fit and attachment along the entire length of bumper which is either on the wall or a fixture. Make sure you have a smooth and flush fit against the end caps. NOTE: Clean any dust or debris with a cloth and non abrasive cleaner.

### Helpful Hints:

- Set the uncoiled flexible vinyl at room temperature 24 hours prior to installation.
- Over cut the flexible vinyl and compression fit. Adding the additional material will compensate for stretching which occurs during installation.
- Use a clean, dry cloth and any mild household cleaner or soap solution; spray and wipe clean

# Refrigeration Information

## Case Operation

### Refrigeration

The refrigeration in this case is thermostatically controlled. The case refrigerates until the cut out point on the thermostat is reached. The thermostat opens, cutting power to the liquid line solenoid. The compressor continues to run, the system pumps down causing the pressure switch to open, cutting power to the compressor. Note: Some cases may be ordered with EPR valves to control case temperature.

### Defrost

Cases have two different types of defrost; hot gas and off cycle.

The hot gas defrost system is time initiated; temperature and time terminated. The defrost timer energizes the defrost solenoid and de-energizes the liquid line solenoid. When the temperature in the case reaches 40°, the defrost terminator thermostat de-energizes the hot gas solenoid. The system pumps down and the pressure switch cuts power to the compressor. The unit stays in off cycle defrost until the defrost timer re-energizes the liquid solenoid.

NOTE: The evaporator fan runs continuously. On the off cycle defrost system, the timer cuts the power to the liquid solenoid causing the compressor to pump down to the cut out point on the pressure switch. The unit stays in off cycle defrost until the defrost timer re-energizes the liquid solenoid. The evaporator fan runs continuously.

## Typical Component Settings

**Thermostat cut out:** 26-28°, 6° differential

**Defrost Termination Thermostat:** 40-42°

### CRO valve

404A	75
134A	N/A

**TXV:** 10° Superheat

### Pressure switch

404A	Low - 20 lb/55 lb	High - 350 lb
134A	Low - 7 lb/25 lb	High - 225 lb

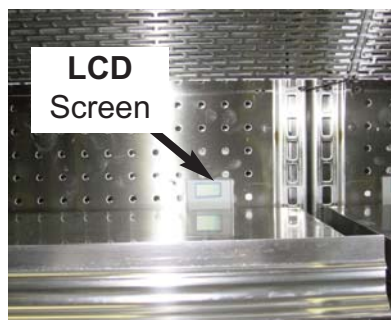
## Refrigeration Loads

Model	BTU lin/ft	Evap Temp	Defrost
BDPC Series	650	+18°	20"/4hr
DLPC Series	650	+18°	20"/4hr
DLPF Series	945	+18°	20"/4hr
FT Series	945	+18°	20"/4hr
PC Series	650	+18°	20"/4hr
PF48 Series	945	+18°	20"/4hr
PF54 Series	1150	+18°	20"/4hr
PF72 Series	1500	+18°	20"/4hr

## Electronic Thermostat

The electronic thermostat is located at the rear of the case behind the back panel on the right. The thermostat is equipped with a liquid crystal display providing a constant readout of the sensed temperature.

NOTE: The LCD display will be blank during defrost. A touch keypad that allows the users to select the set point temperature, differential and the heating /cooling modes.



## Programming Steps for the ETC, Electronic Temperature Control

***All thermostats are pre-set and cycle checked at the factory.***

STEP 1: Press the set key once to access the Fahrenheit/Celsius mode. The display will display either **F** degrees Fahrenheit or **C** for degrees Celsius. Press the **up** arrow or the **down** arrow so the display indicates **F**.

## Refrigeration Information (continued)

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STEP 2: Press the set key again to gain access to the set-point. The LCD will display the current Set-point and the **S1** will be blinking. Press the **up** arrow to increase or the **down** arrow to decrease the temperature setting.

STEP 3: Press the set key again to gain access to the differential. The LCD will display the current differential and the **DIF 1** will be blinking. This should be set at 2°F.

STEP 4: Press the set key again to gain access to the cooling or heating mode. The LCD will display the current mode. Press either the **up** arrow or the **down** arrow to set the display in the **C1**, cooling mode.

STEP 5: Press the set key once more and the programming is complete. Set the lock to keep the set point.

STEP	DISPLAY INDICATION	DESCRIPTION
1.	<b>F</b> or <b>C</b>	Fahrenheit or Celsius Scale
2.	<b>S1</b> (blinking)	Set-point Temperature
3.	<b>DIF</b> (blinking)	Differential Temperature
4.	<b>C1/H1</b>	Cooling or Heating Mode

# Electrical Information

Remote Case Data - Electrical 120 Volt				
Model	Evap Fans	Canopy & Nose Lts	Shelf Lts	Anti-Sweat Heaters

## DLPC Series

DLPC-4	0.43	0.49	NA	NA
DLPC-6	0.86	0.49	NA	NA
DLPC-8	1.29	0.49	NA	NA
DLPC-10	1.29	0.75	NA	NA
DLPC-12	1.72	0.75	NA	NA

## DLPF Series

DLPF-4	0.43	0.49	0.75	0.3
DLPF-6	0.86	0.49	0.95	0.3
DLPF-8	1.25	0.49	0.95	0.6
DLPF-10	1.72	0.75	1.5	0.6
DLPF-12	1.72	0.75	1.5	0.6

## FT SERIES

FT-4	0.43	0.47	NA	NA
FT-5	0.86	0.47	NA	NA
FT-6	0.86	0.47	NA	NA
FT-8	1.29	0.47	NA	NA
FT-10	1.72	0.7	NA	NA
FT-12	1.72	0.7	NA	NA
FT-W	0.43	0.47	NA	NA

## PC Series

PC-4	0.43	NA	NA	NA
PC-6	0.86	NA	NA	NA
PC-8	1.29	NA	NA	NA
PC-10	1.29	NA	NA	NA
PC-12	1.72	NA	NA	NA

## BDPC Series & Nose Light

PC-4	0.43	0.49	NA	NA
PC-6	0.86	0.49	NA	NA
PC-8	1.29	0.49	NA	NA
PC-10	1.29	0.76	NA	NA
PC-12	1.72	0.76	NA	NA

## PF 48 Series

PF4-48	0.43	0.49	0.75	0.3
PF6-48	0.86	0.49	0.95	0.3
PF8-48	1.29	0.49	0.95	0.6
PF10-48	1.72	0.75	1.5	0.5
PF12-48	1.72	0.75	1.5	0.6

## BDPF 51 Series

PF4-51	0.43	0.49	0.75	0.3
PF6-51	0.86	0.49	0.95	0.3
PF8-51	1.29	0.49	0.95	0.6
PF10-51	1.72	0.75	1.5	0.5
PF12-51	1.72	0.75	1.5	0.6

## PF 54 Series

PF4-54	0.43	0.49	0.75	0.3
PF6-54	0.86	0.49	0.95	0.3
PF8-54	1.29	0.49	0.95	0.6
PF10-54	1.72	0.75	1.5	0.5
PF12-54	1.72	0.75	1.5	0.6

## PF-72 SERIES

PF4-72	0.86	0.49	0.95	NA
PF6-72	1.29	0.49	1.44	NA
PF8-72	1.72	0.49	1.8	NA
PF10-72	2.15	0.75	2.85	NA
PF12-72	2.58	0.75	2.85	NA

Additional Loads for Self-Contained Units						
HP	Voltage	404A RLA/LRA	134A RLA/LRA	Cond Fan	Pan Heater	Notes

1/2	120-1-60	9/51	9.1/51	1.4	6.6	
1/2	120-1-60	9/51	9.1/51	1.4	6.6	
3/4	120-1-60	10.3/60	13/66	1.7	8.3	
1	120-208-1-60	6.2/40	NA	0.85	4.8	
1	120-208-1-60	6.2/40	NA	0.85	7.2	

1/2	120-1-60	9/51	9.1/51	1.4	8.3	
1	120-208-1-60	6.2/40	NA	0.85	4.8	
1 1/2	120-208-1-60	6.2/40	NA	0.85	4.8	
2	120-208-1-60	9.6/55	NA	1.7	7.2	
2	120-208-1-60	9.6/55	NA	1.7	7.2	

1/2	120-1-60	9/51	9.1/51	1.4	6.6	
3/4	120-1-60	10.3/60	13/66	1.7	6.6	
1	120-208 1-60	6.2/40	NA	0.85	4.8	
1 1/2	120-208 1-60	6.2/40	NA	0.85	4.8	
2	120-208 1-60	9.6/55	NA	1.7	7.2	
2	120-208 1-60	9.6/55	NA	1.7	7.2	
NA	120-1-60	NA	NA	NA	NA	*BTU/Wedge

Aux. Fans						
1/2	120-1-60	9/51	9.1/51	1.4	6.6	NA
1/2	120-1-60	9/51	9.1/51	1.4	6.6	NA
3/4	120-1-60	10.3/60	13/66	1.7	8.3	NA
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43

Aux. Fans						
1/2	120-1-60	9/51	9.1/51	1.4	6.6	NA
1/2	120-1-60	9/51	9.1/51	1.4	6.6	NA
3/4	120-1-60	10.3/60	13/66	1.7	8.3	NA
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43

Aux. Fans						
1/2	120-1-60	9/51	9.1/51	1.4	8.3	NA
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
1 1/2	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43

Aux. Fans						
1/2	120-1-60	9/51	9.1/51	1.4	8.3	NA
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
1 1/2	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43

Aux. Fans						
1/2	120-1-60	9/51	9.1/51	1.4	8.3	NA
1	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
1 1/2	120-208-1-60	6.2/40	NA	0.85	4.8	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43
2	120-208-1-60	9.6/55	NA	1.7	7.2	0.43

3/4	120-1-60	10.3/60	13/66	1.7	8.3	
1 1/2	120-208-1-60	6.2/40	NA	0.85	4.8	
2	120-208-1-60	9.6/55	NA	1.7	7.2	

Please contact factory for self-contained information

Please contact factory for self-contained information

# Electrical Information (continued)

## Wiring Color Code

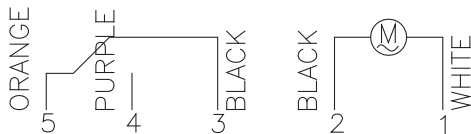
Green-----Ground  
 Black-----Hot  
 White -----Neutral  
 Red -----208/220 Only  
 Brown -----Interlock System

Orange-----Thermostat  
 Orange-----Liquid Solenoid  
 Purple -----Hot Gas Defrost  
 Purple -----Defrost Terminator  
 Gray -----Light Switch  
 Black/White -----Pressure Switch

## Hot Gas Timer

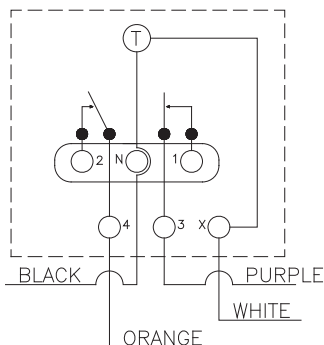
### Grasslin

1. White - Neutral
2. Black - Hot
3. Black -
4. Purple - Hot Gas Defrost
5. Orange - Liquid Solenoid



### Parragon

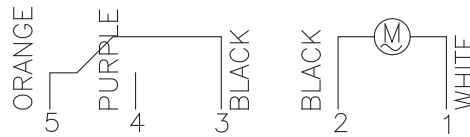
- 1.
- 2.
3. Purple - Hot Gas Defrost
4. Orange - Liquid Solenoid
- X White - Neutral
- N Black - Hot



## Off Cycle Timer

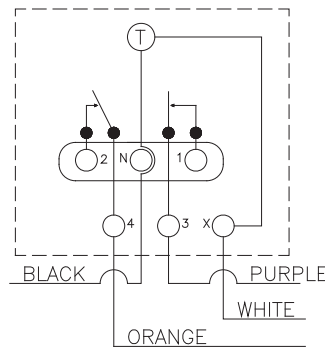
### Grasslin

1. White - Neutral
2. Black - Hot
3. Black -
4. Unused
5. Orange - Liquid



### Parragon

1. White - Neutral
2. Black - Hot
3. Unused
4. Orange - Liquid Solenoid



# Electrical Information (continued)

## Secondary Wiring Color Code

Red -----Lights  
Yellow -----Lights  
Blue-----Lights

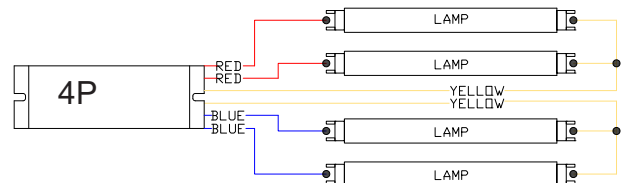
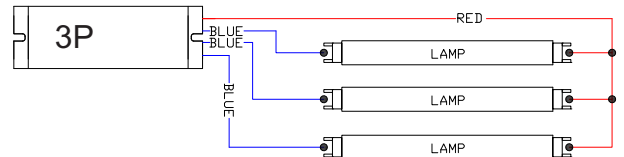
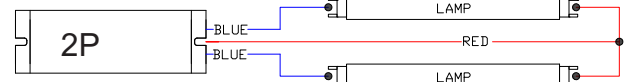
NOTE: Case must be grounded

## Ballast Information

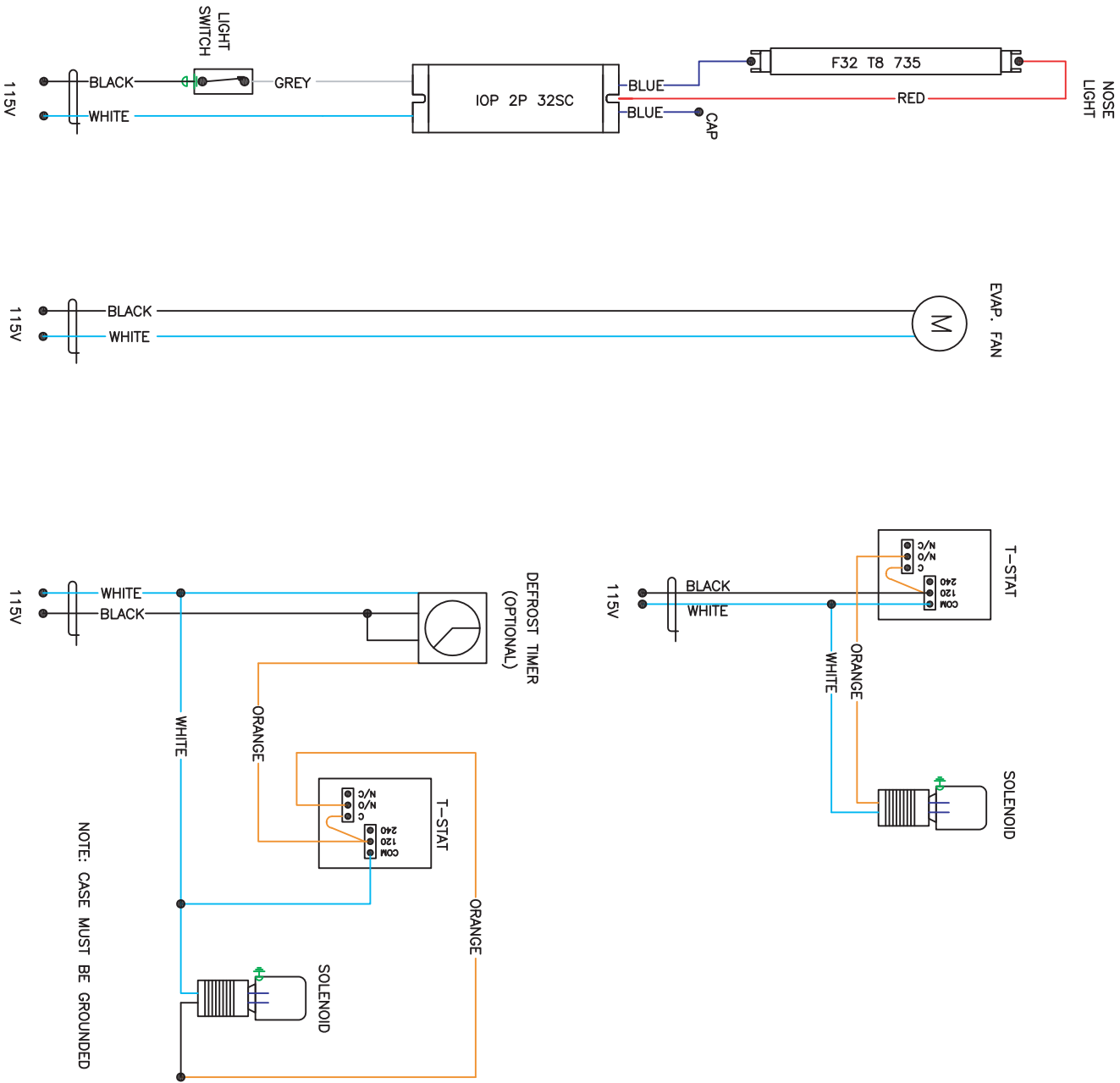
Ballasts are located in the electronic raceway at the rear of the case.

Model	Ballast
BDPC-4	(1) 2P
BDPC-6	(1) 2P
BDPC-8	(1) 2P
BDPC-10	(1) 2P
BDPC-12	(1) 2P
FT-4	(1) 2P
FT-6	(1) 2P
FT-8	(1) 2P
FT-10	(1) 2P
FT-12	(1) 2P
PF48-4	(1) 3P
PF48-6	(2) 3P
PF48-8	(2) 3P
PF48-10	(2) 4P
PF48-12	(3) 3P
PF54-4	(1) 4P
PF54-6	(2) 4P
PF54-8	(2) 4P
PF54-10	(2) 4P, (1) 3P
PF54-12	(3) 4P
PF72-4	(1) 4P, (1) 2P
PF72-6	(2) 4P, (1) 2p
PF72-8	(2) 4P, (1) 2P
PF72-10	(2) 4P, (2) 3P
PF72-12	(3) 4P, (1) 3P

Locate Ballast Wiring below. Some cases may have several ballasts.



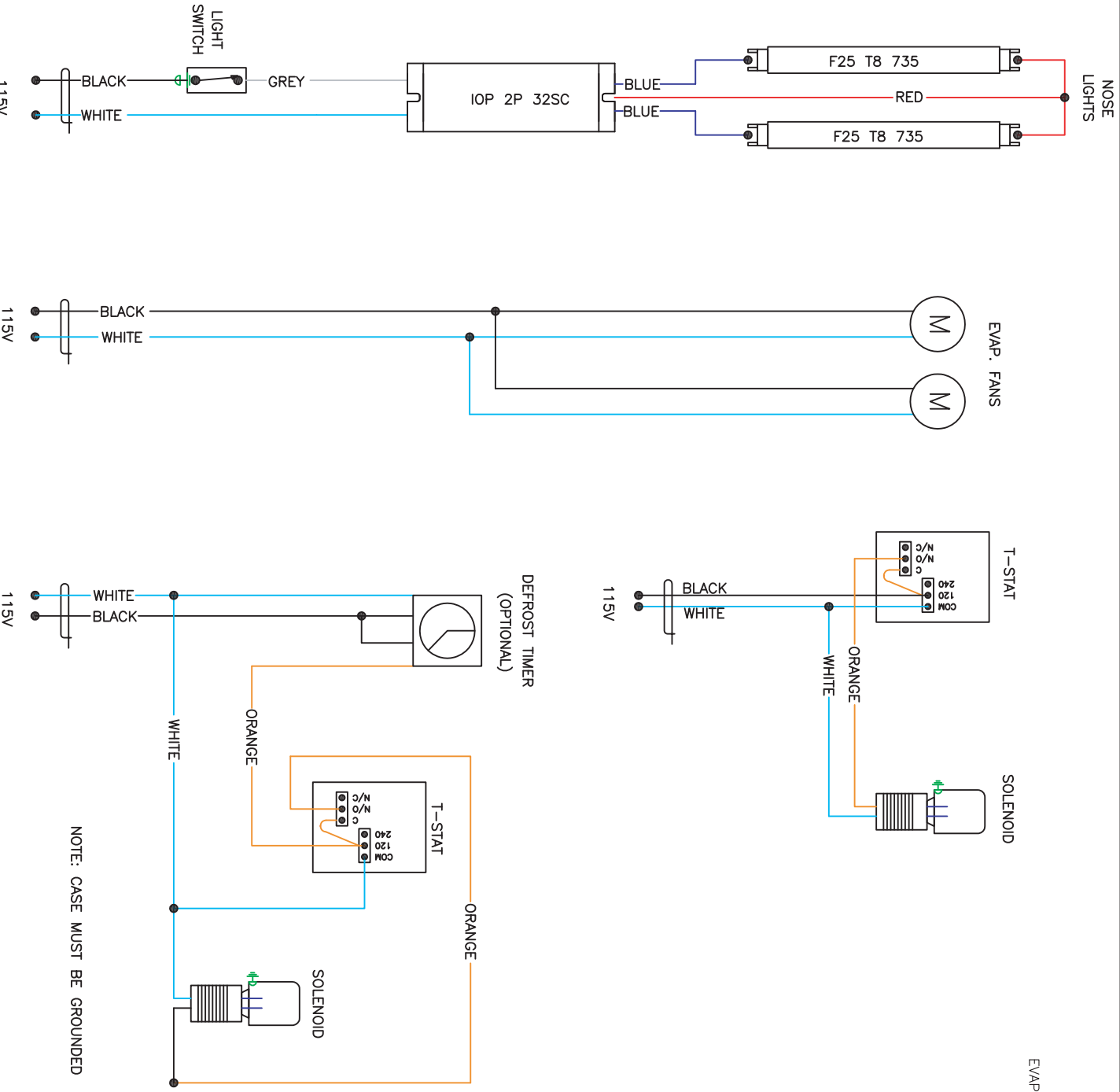
VOLT.	120-1-60
AMPS	.92
BTU'S	2600
EVAP. TEMP.	+18°



DATE:	12/8/2008	REVISION	—			
DRAWING #	PROJECT #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:		APPROVED BY
	ORDER #			BDPC-4 R		
	STANDARD WIRING DIAGRAM			DRAFTER CP		
				SCALE NONE		

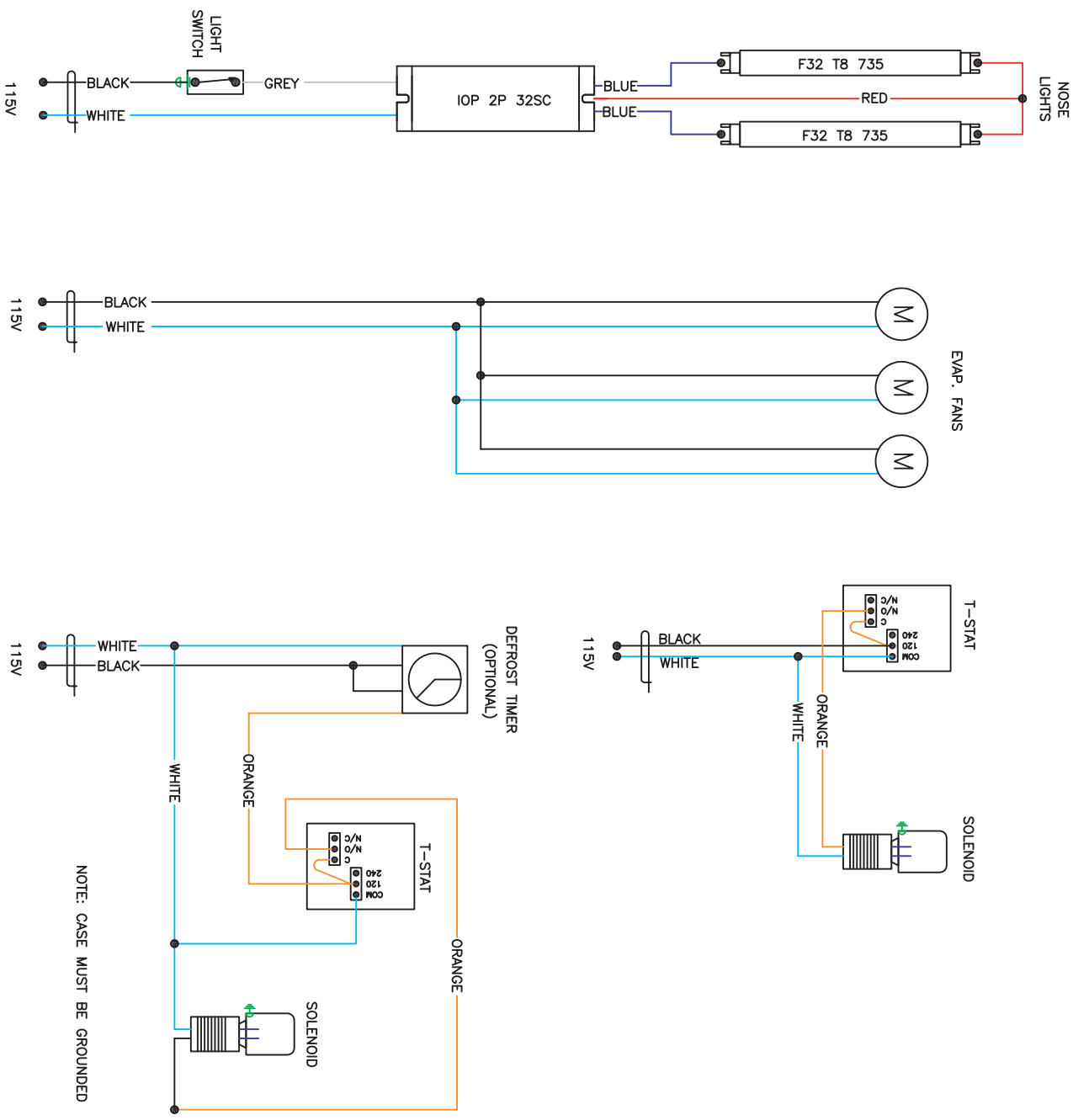


VOLT.	120-1-60
AMPS	1.35
BTU'S	3900
EVAP. TEMP.	+18°



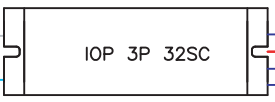
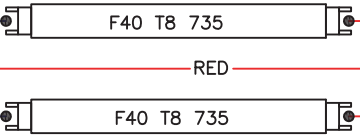
DATE:	12/8/2008	REVISION	---	PROJECT #	ORDER #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-6 R	DRAWN BY	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM	SCALE	NONE		

VOLT.	120-1-60
AMPS	1.78
BTU'S	5200
EVAP. TEMP.	+18°

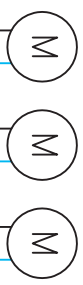


DATE:	12/8/2008	REVISION	---	PROJECT #	ORDER #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-8 R	DRAWER	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM		SCALE	NONE	

NOSE  
LIGHTS

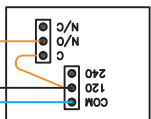


EVAP. FANS

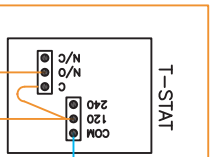


VOLT.	120-208 1-60
AMPS	2.05
BTU'S	6500
EVAP. TEMP.	+18°

SOLENOID



DEFROST TIMER  
(OPTIONAL)



NOTE: CASE MUST BE GROUND

DATE: 07/31/2008  
DRAWING #

REVISION

PROJECT #  
ORDER #



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER:

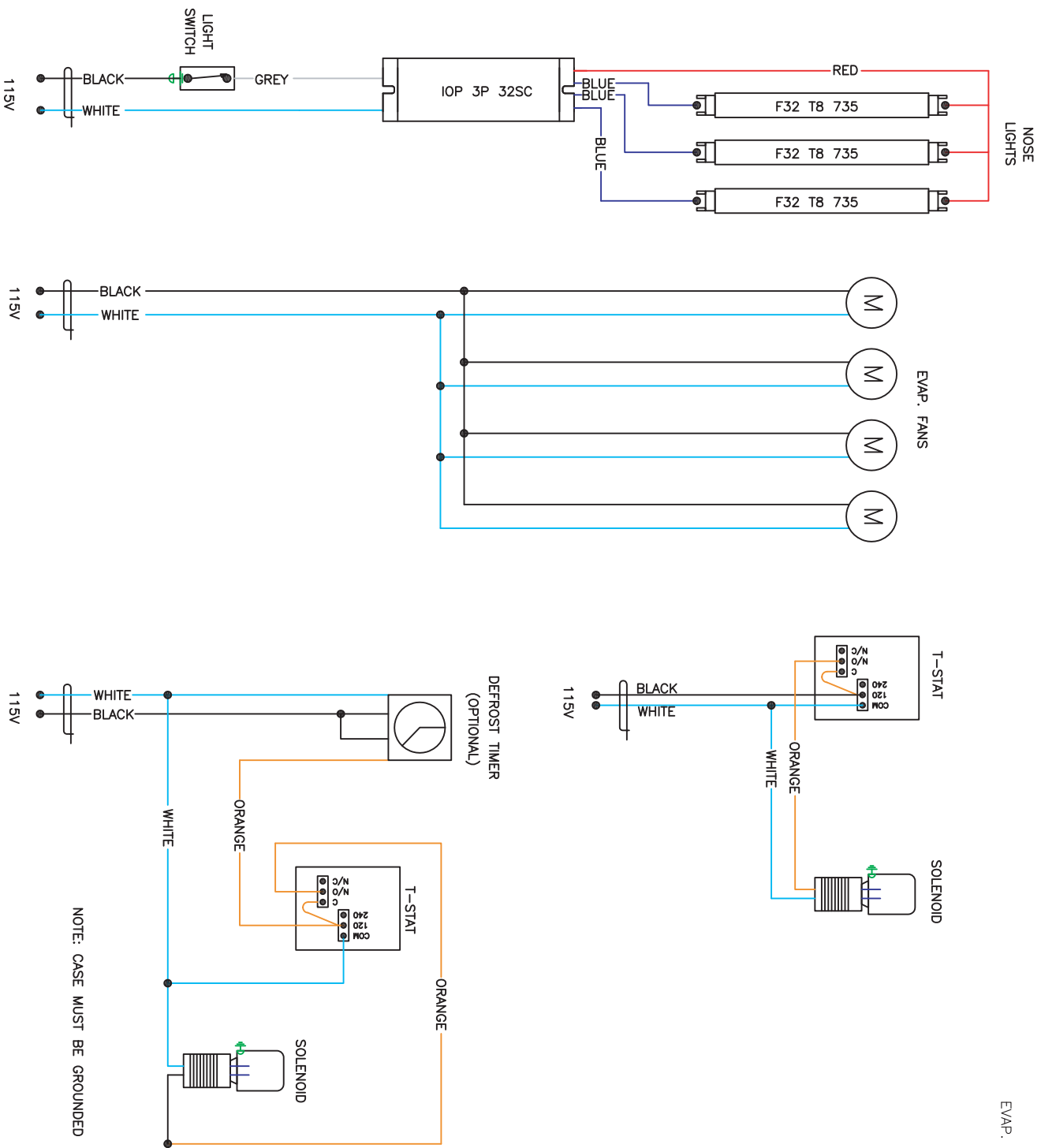
BDPC-10 R


STANDARD WIRING DIAGRAM

DRAWN BY  
CP  
SCALE  
NONE

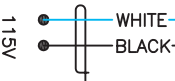
APPROVED BY

VOLT.	120-208	1-60
AMPS	2.48	
BTU'S	7800	
EVAP. TEMP.	+18°	



DATE:	12/8/2008	REVISION	—			
DRAWING #	-----	PROJECT #		 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-12 R STANDARD WIRING DIAGRAM
		ORDER #				
				DRAFTER	APPROVED BY	
				CP		
				SCALE		
				NONE		

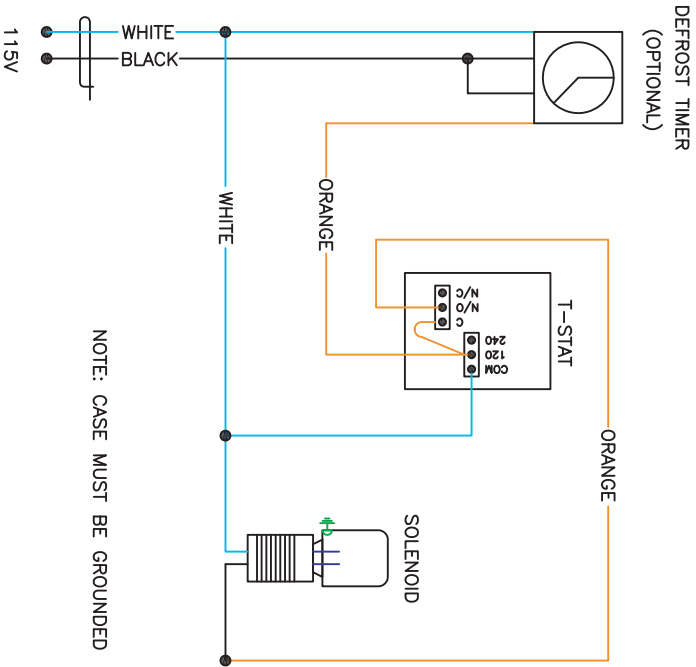
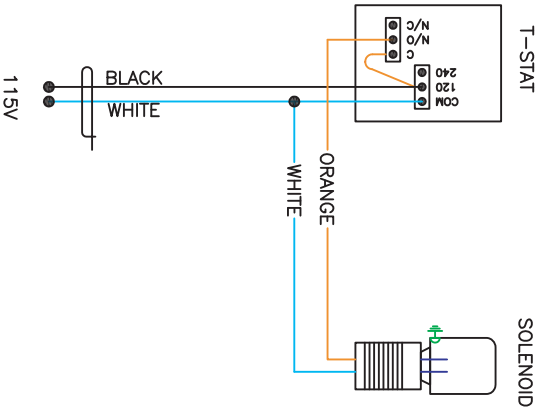
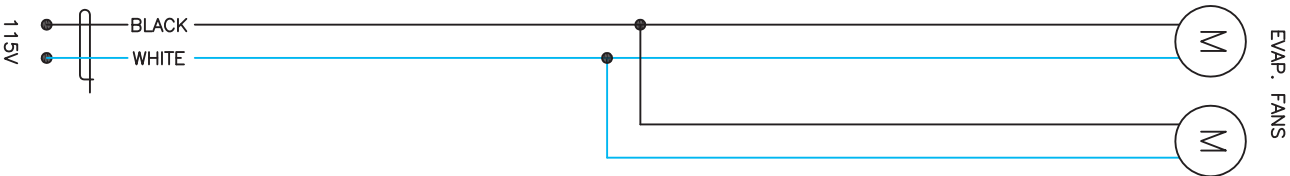
EVAP. FANS



NOTE: CASE MUST BE GROUNDED



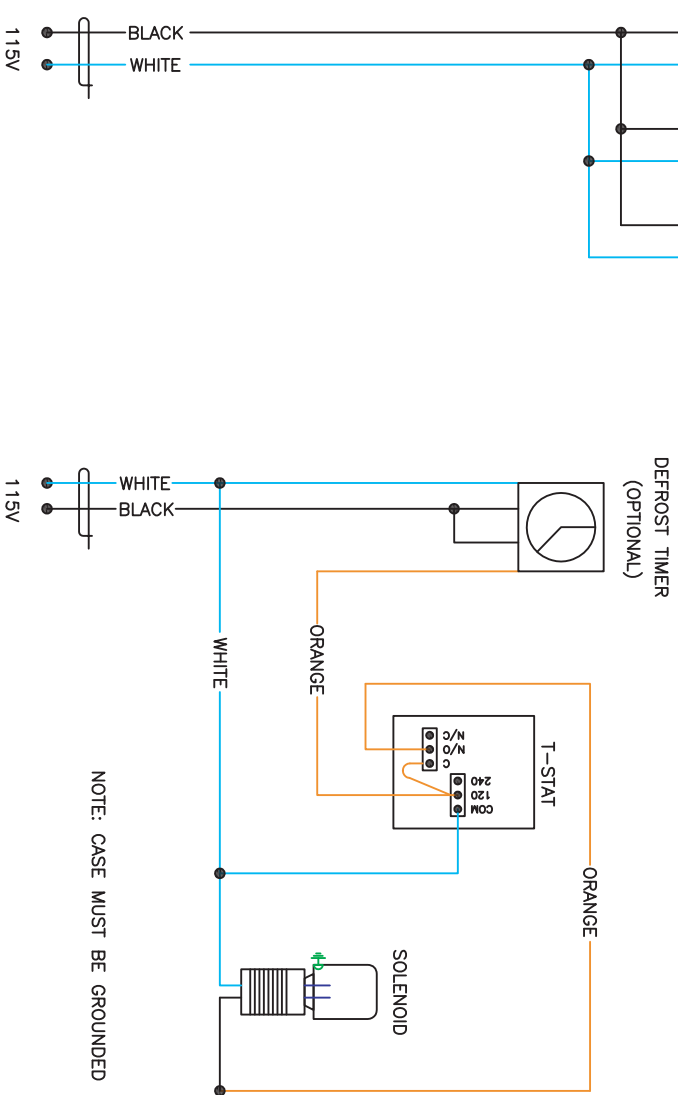
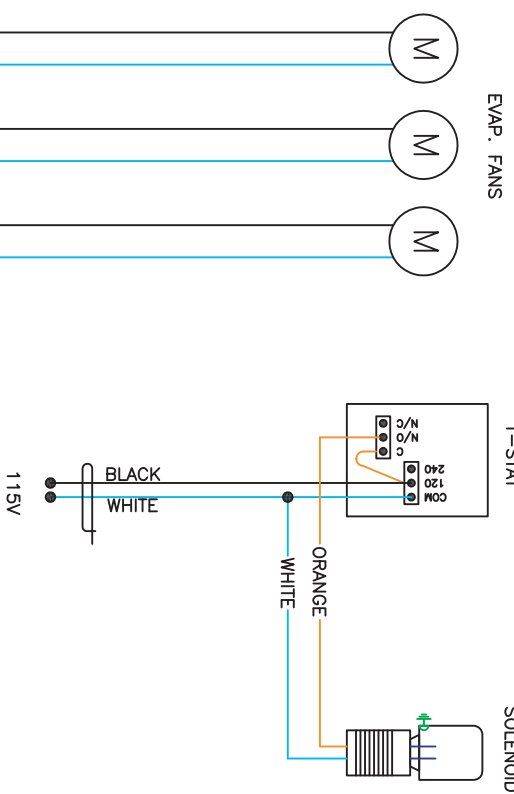
VOLT.	120-1-60
AMPS	.86
BTU'S	3900
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE:	12/8/2008	REVISION	—	PROJECT #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PC-6 R	DRAFTER	APPROVED BY
DRAWING #	-----	ORDER #				STANDARD WIRING DIAGRAM	SCALE	NONE	

VOLT.	120-1-60
AMPS	1.29
BTU'S	5200
EVAP. TEMP.	+18°

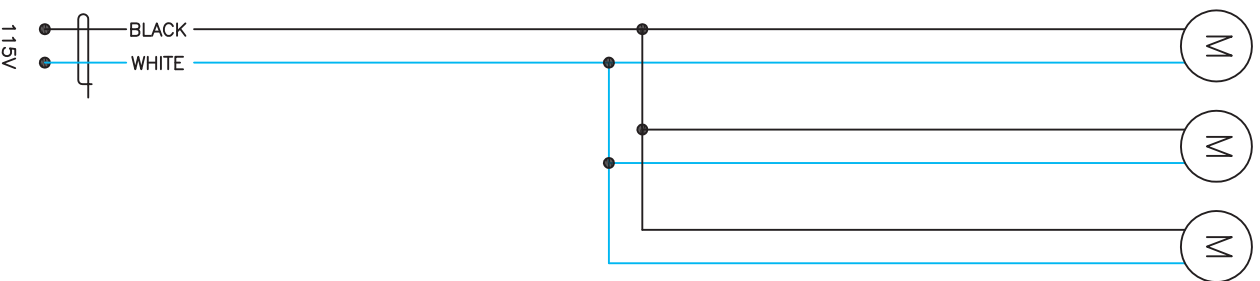


**NOTE: CASE MUST BE GROUNDED**

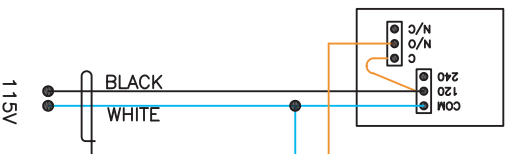
DATE:	12/8/2008	REVISION	—	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER: PC-8 R  STANDARD WIRING DIAGRAM	DRAWER	APPROVED BY
DRAWING #	-----	PROJECT #	ORDER #			CP	SCALE



EVAP FANS

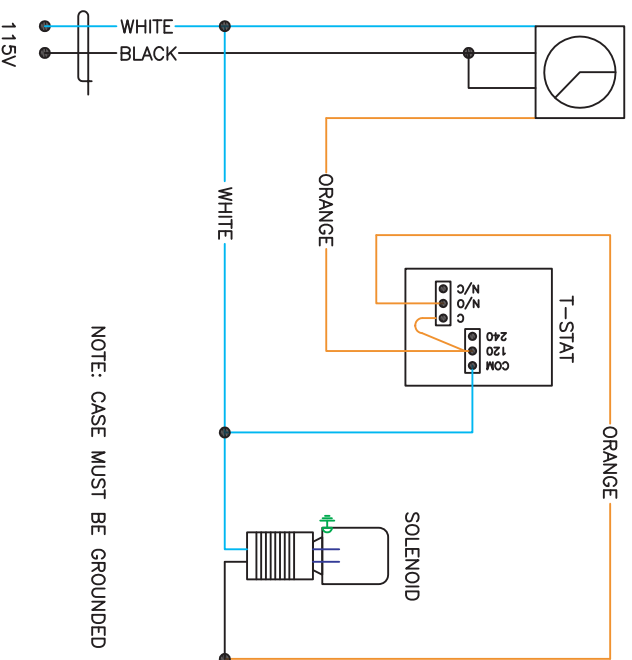


T-STAT



SOLENOID

DEFROST TIMER  
(OPTIONAL)



NOTE: CASE MUST BE GROUNDED

VOLT.	120-208	1-60
AMPS	1.29	
BTU'S	6500	
EVAP. TEMP.	+18°	

DATE: 12/8/2008  
DRAWING #

REVISION  
---

PROJECT #  
ORDER #



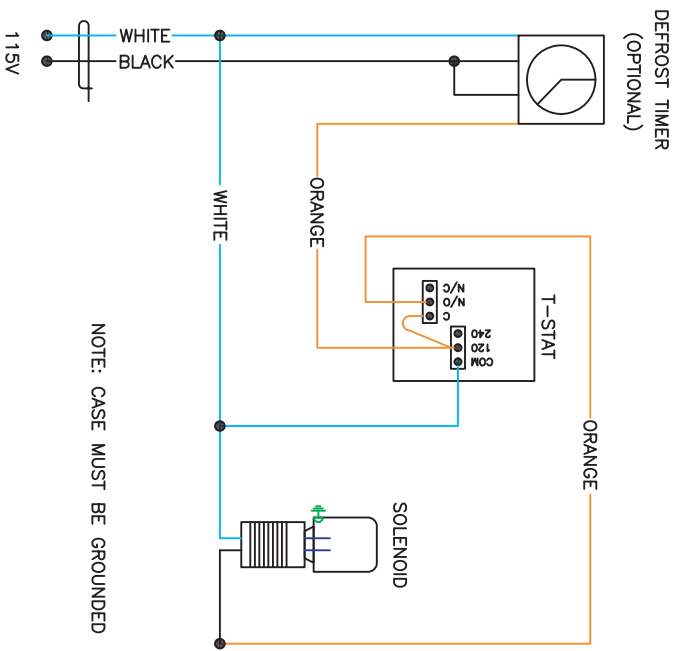
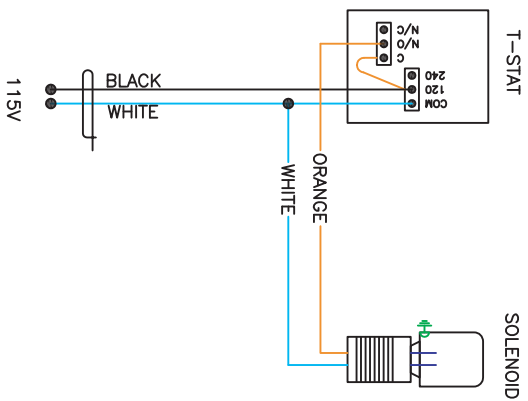
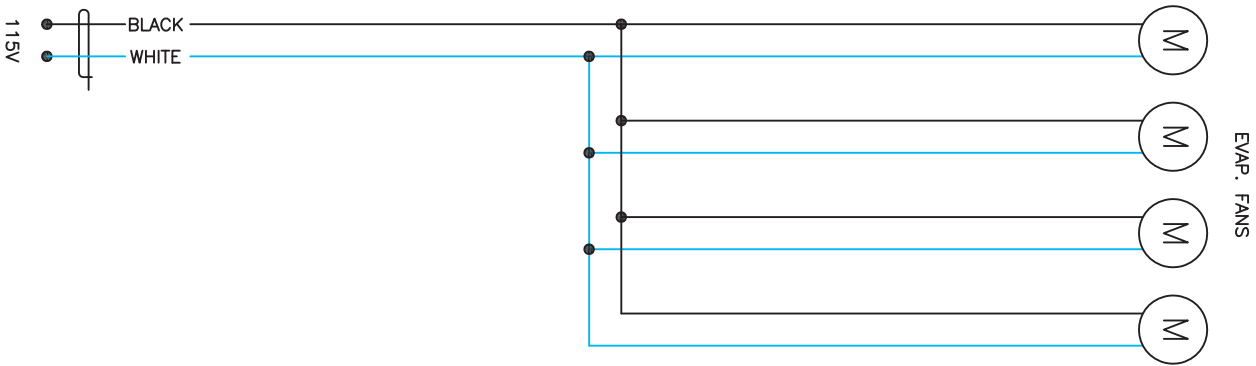
P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER: PC-10 R  
STANDARD WIRING DIAGRAM

DRAWN BY  
CP  
SCALE  
NONE

APPROVED BY

VOLT.	120-208 1-60
AMPS	1.72
BTU'S	7800
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE: 12/8/2008

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REVISION

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PROJECT #

ORDER #



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER: PC-12 R

STANDARD WIRING DIAGRAM

DRAWN BY  
CP  
SCALE  
NONE

APPROVED BY

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-1-60
AMPS	1.97
BTU'S	3,780
EVAP. TEMP.	+18°

SHELF & TOP  
LIGHTS

ANTI-SWEAT HEATER

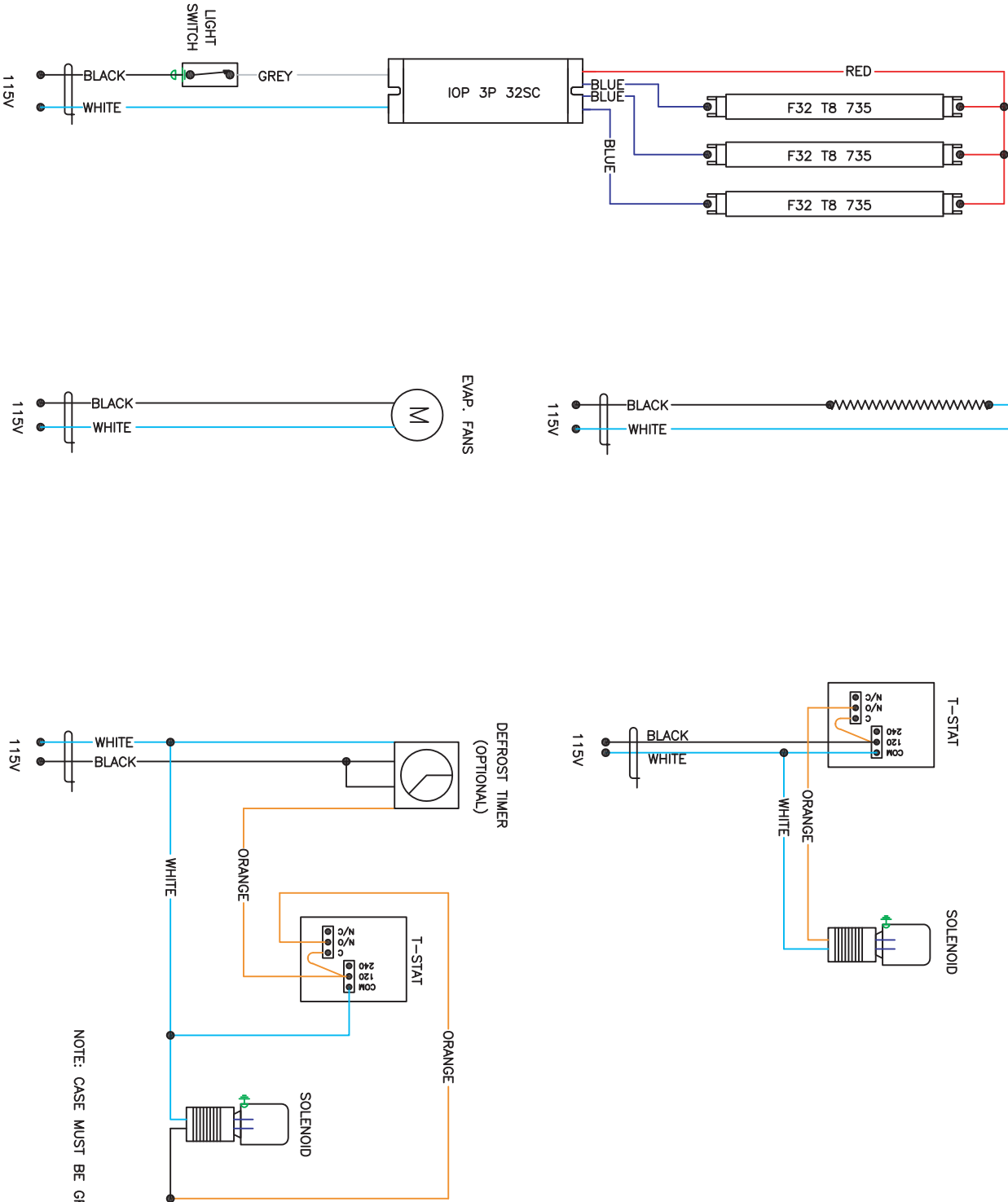
SOLENOID

T-STAT

EVAP. FANS

DEFROST TIMER  
(OPTIONAL)

NOTE: CASE MUST BE GROUNDED

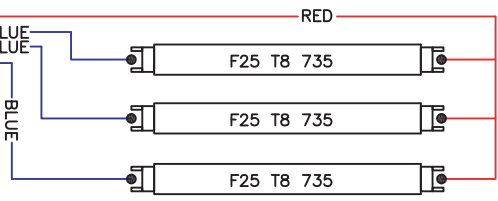


DATE:	10/8/2008	REVISION	---	PROJECT #	ORDER #	Berket	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF51-4 R	DRAWER	CP	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM	SCALE	NONE	

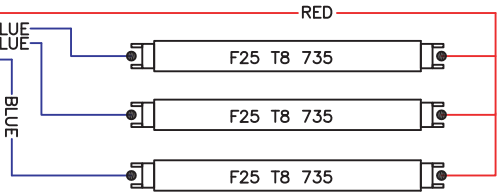
NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	2.6
BTU'S	5,670
EVAP. TEMP.	+18°

RIGHT HAND SHELVES  
AND TOP LIGHT



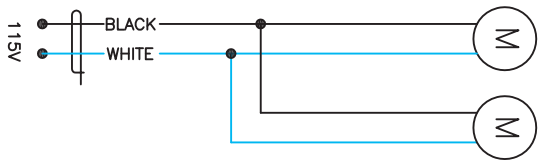
LEFT HAND SHELVES  
AND TOP LIGHTS



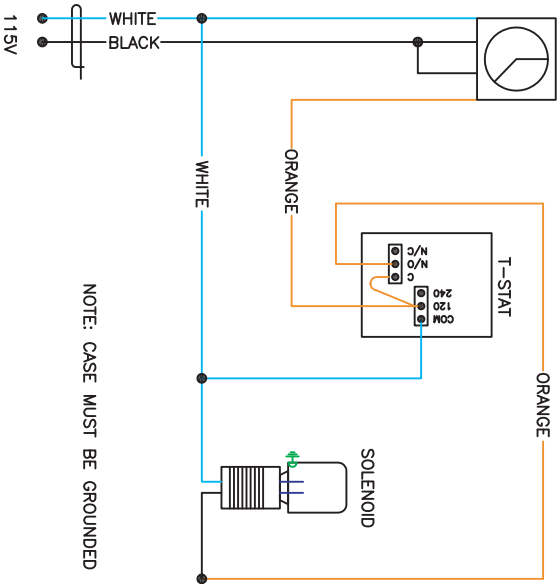
ANTI-SWEAT HEATER



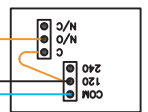
EVAP. FANS



DEFROST TIMER  
(OPTIONAL)



SOLENOID



T-STAT

DATE:

12/8/08

REVISION

PROJECT #

ORDER #

P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER:

PF51-6 R

DRAWN BY

CP

SCALE

NONE

APPROVED BY

DRAWING #

---

ORDER #

---

---

STANDARD WIRING DIAGRAM

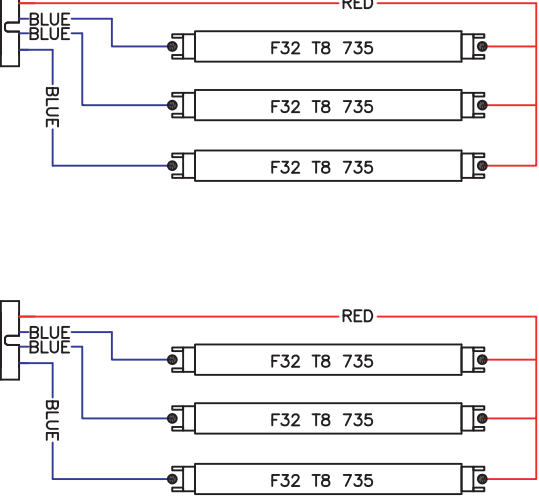
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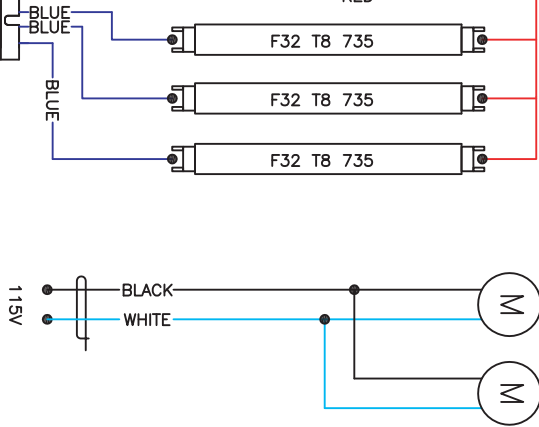
NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	3.33
BTU'S	7,560
EVAP. TEMP.	+18°

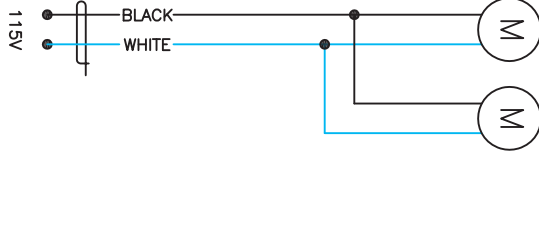
RIGHT HAND SHELVES  
AND TOP LIGHT



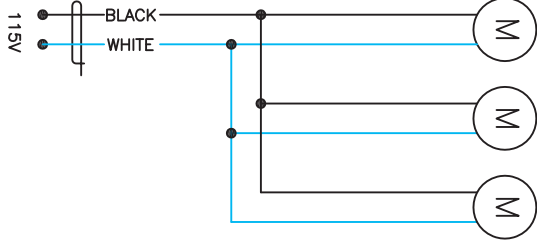
LEFT HAND SHELVES  
AND TOP LIGHT



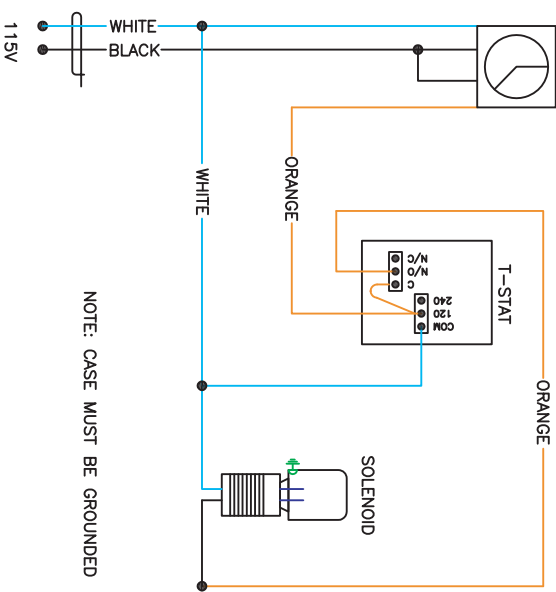
ANTI-SWEAT FANS



EVAP. FANS

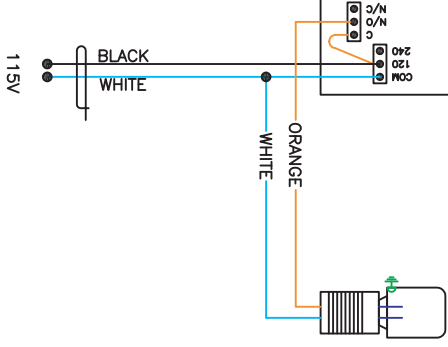


DEFROST TIMER  
(OPTIONAL)



SOLENOID

T-STAT

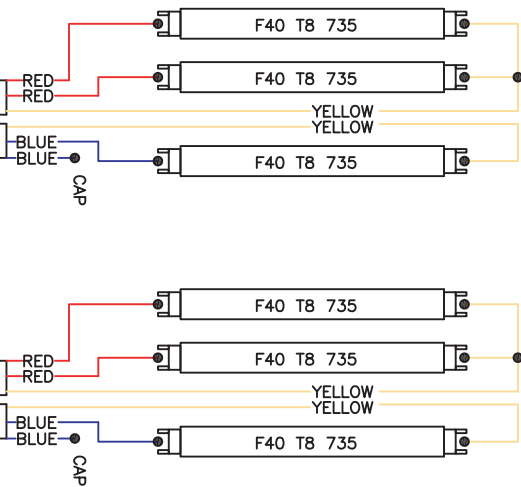


DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776		CUSTOMER:	PF51-8 R	DRAWER	CP	APPROVED BY
DRAWING #						Bartlett			STANDARD WIRING DIAGRAM		SCALE	NONE

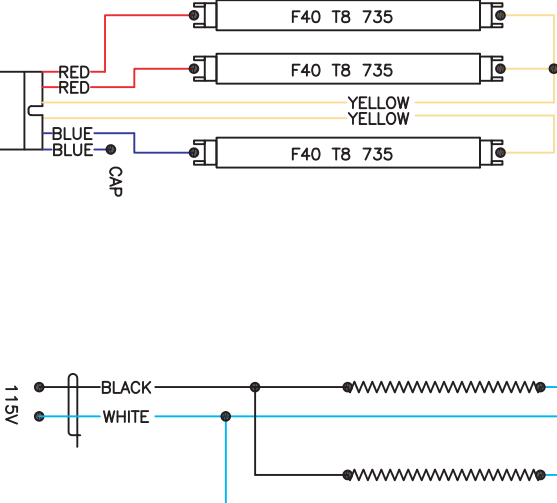
NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	4.47
BTU'S	9,490
EVAP. TEMP.	+18°

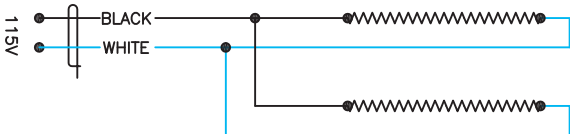
RIGHT HAND SHELVES  
AND TOP LIGHT



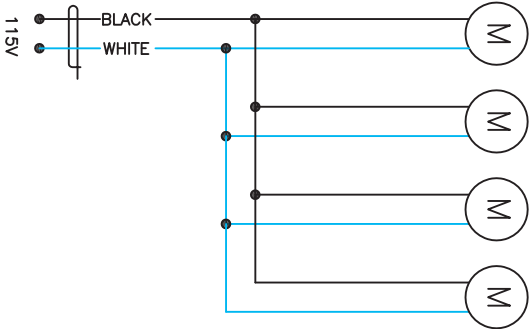
LEFT HAND SHELVES  
AND TOP LIGHT



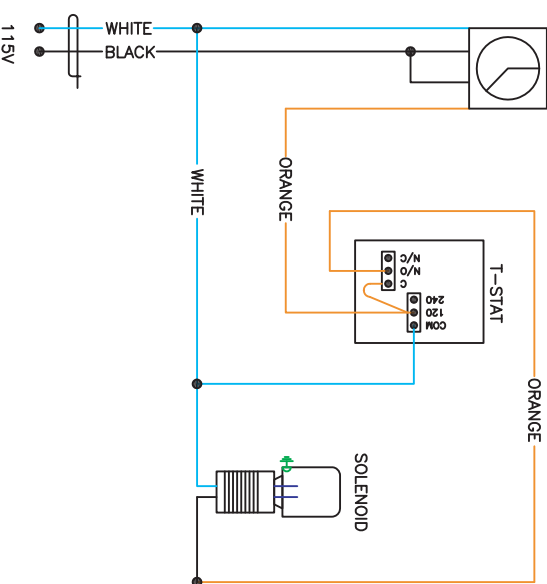
ANTI-SWEAT HEATERS



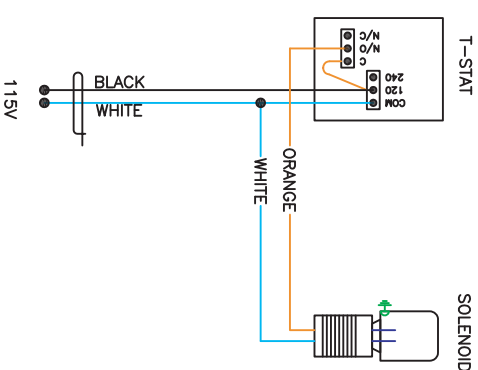
EVAP. FANS



DEFROST TIMER  
(OPTIONAL)



SOLENOID



NOTE: CASE MUST BE GROUNDED

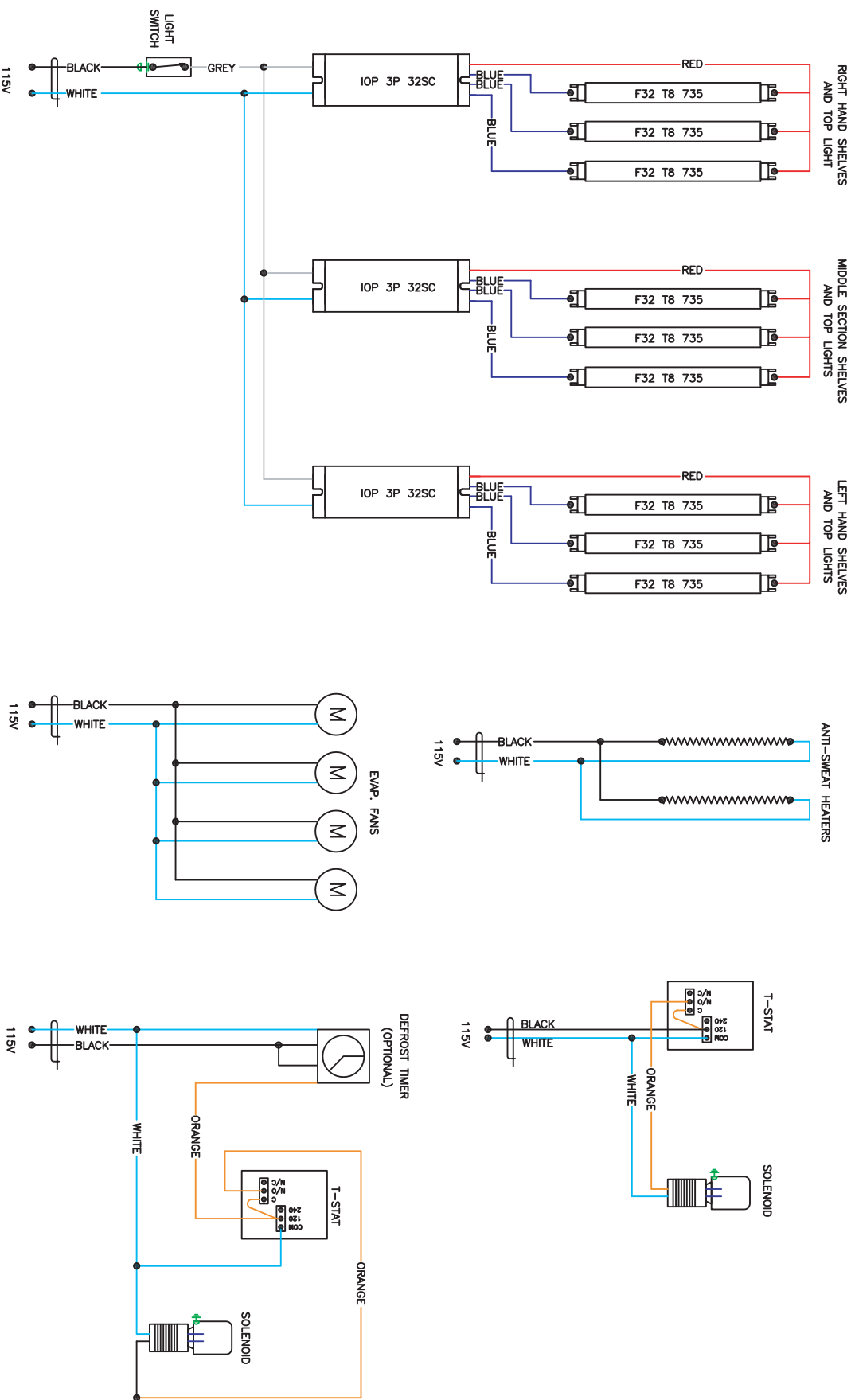
DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF51-10 R	DRATER	CP	APPROVED BY
DRAWING #						STANDARD WIRING DIAGRAM		SCALE	NONE	



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	4.57
BTU'S	11,340
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

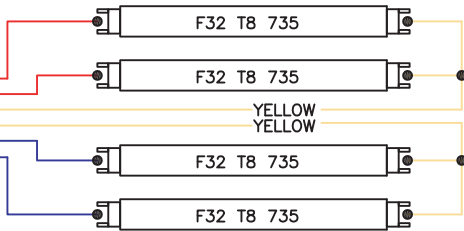
DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776		CUSTOMER:	PF51-12 R	DRAWER	CP	APPROVED BY
DRAWING #						Berket			STANDARD WIRING DIAGRAM		SCALE	NONE



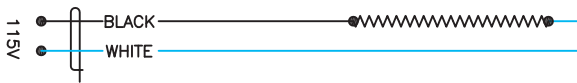
NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-1-60
AMPS	1.97
BTU'S	4,600
EVAP. TEMP.	+18°

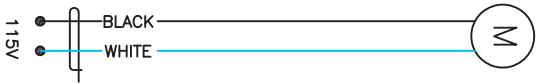
TOP & SHELF  
LIGHTS



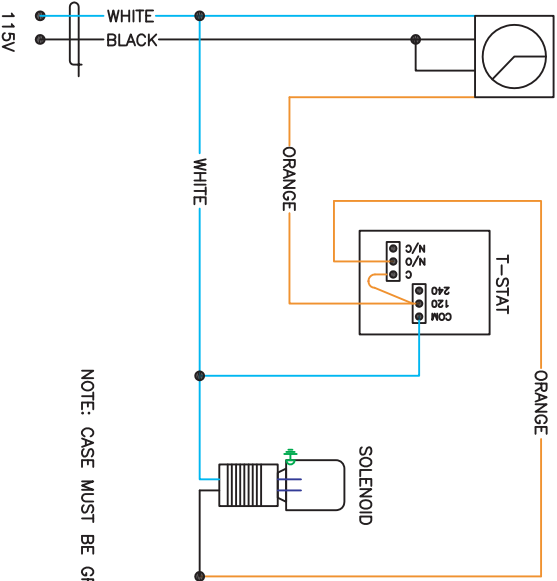
ANTI-SWEAT HEATER



EVAP. FANS

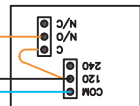


DEFROST TIMER  
(OPTIONAL)

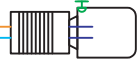


NOTE: CASE MUST BE GROUNDED

T-STAT



SOLENOID



DATE: 12/8/2008

REVISION

DRAWING #

PROJECT #

ORDER #



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER:

PF54-4 R

STANDARD WIRING DIAGRAM

DRAWN BY  
CP

SCALE  
NONE

APPROVED BY

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	2.6
BTU'S	6,900
EVAP. TEMP.	+18°

LEFT HAND SHELVES  
AND TOP LIGHT

RIGHT HAND SHELVES  
AND TOP LIGHT

ANTI-SWEAT HEATER

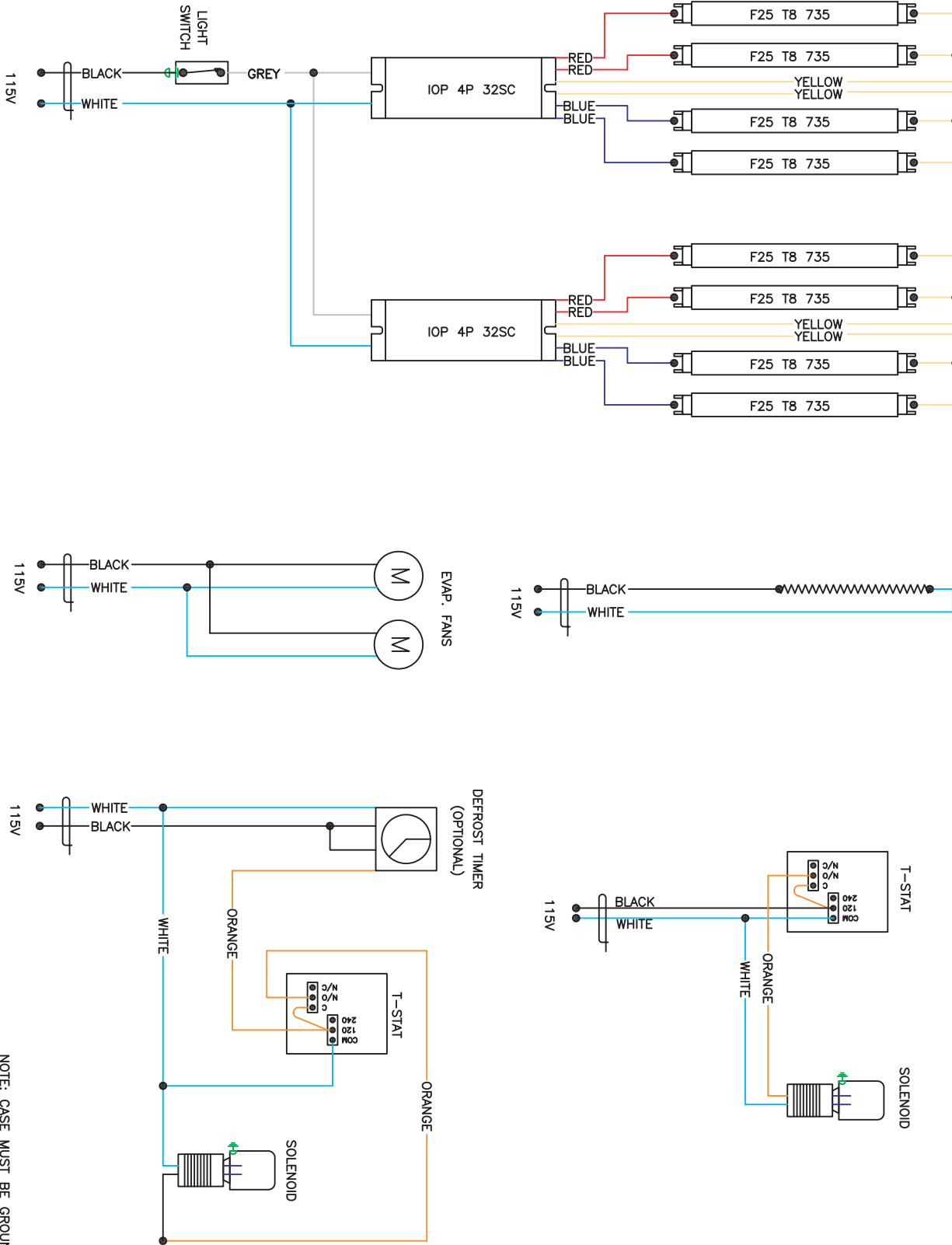
T-STAT

SOLENOID

EVAP. FANS

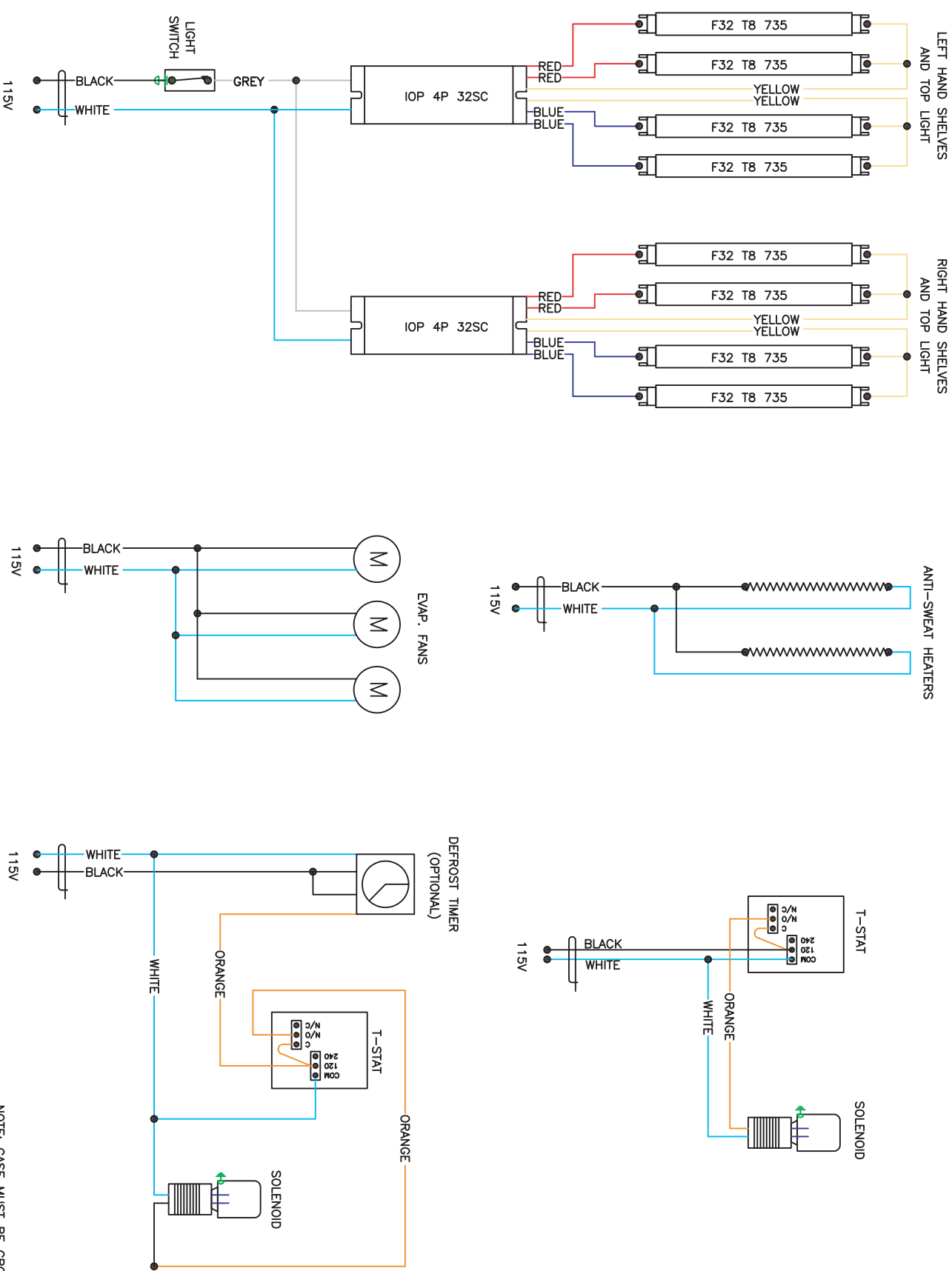
DEFROST TIMER  
(OPTIONAL)

DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776		CUSTOMER:	PF54-6 R	STANDARD WIRING DIAGRAM		DRAFTER	CP	SCALE	NONE	APPROVED BY
DRAWING #																



NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

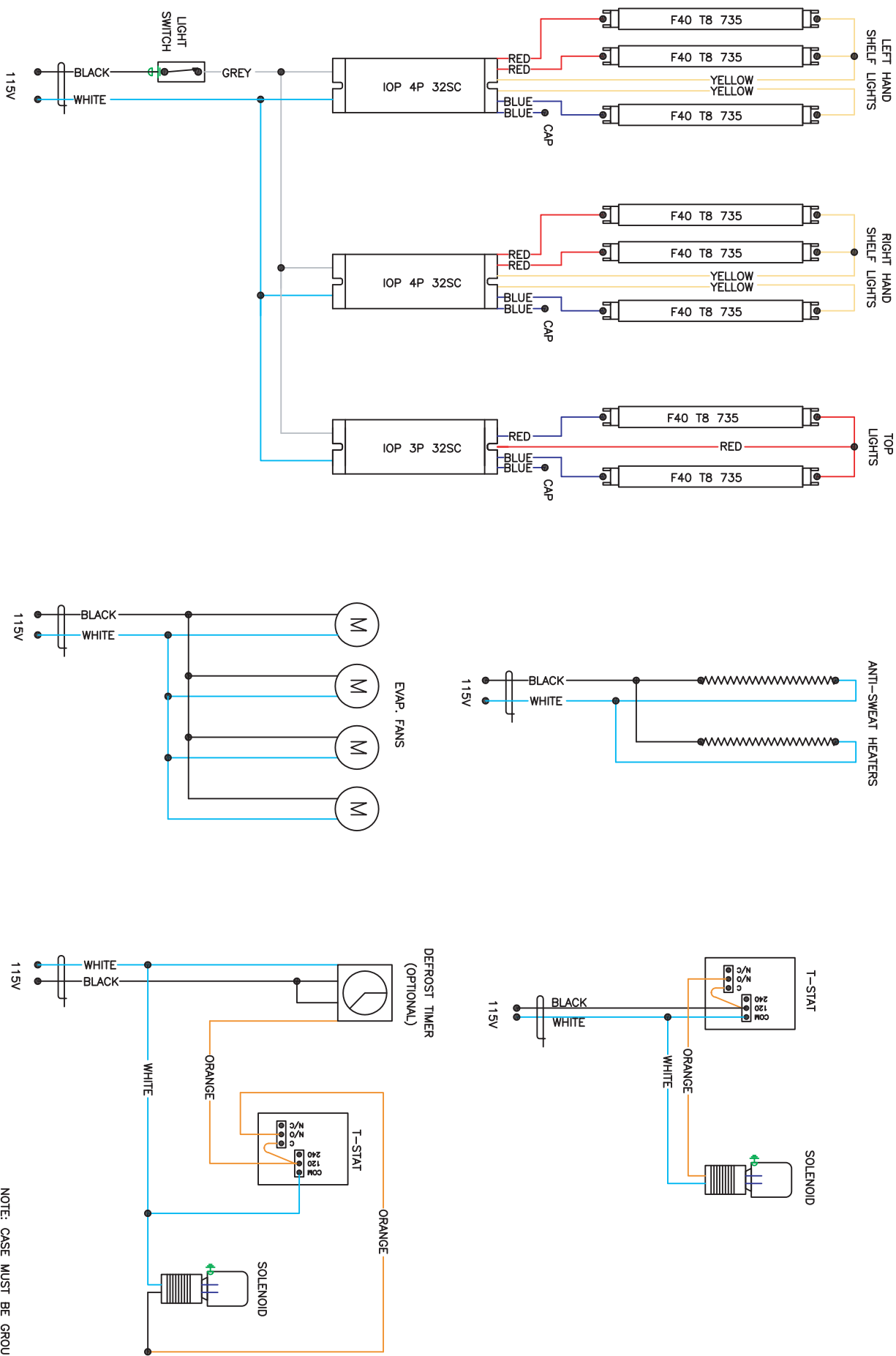
VOLT.	120-208 1-60
AMPS	3.33
BTU'S	9,200
EVAP. TEMP.	+18°



DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776		CUSTOMER:	PF54-8 R	NOTE: CASE MUST BE GROUNDED	
DRAWING #						Bartlett K.E.O.S.A.U.Q.U.A.			STANDARD WIRING DIAGRAM	DRAFTER	APPROVED BY
										CP	
										SCALE	
										NONE	

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	4.47
BTU'S	11,500
EVAP. TEMP.	+18°



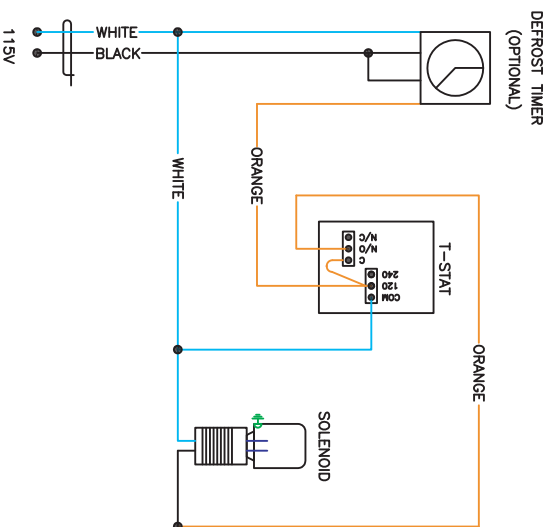
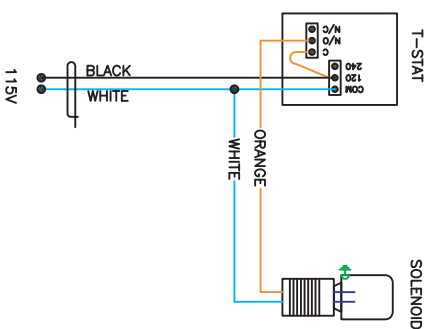
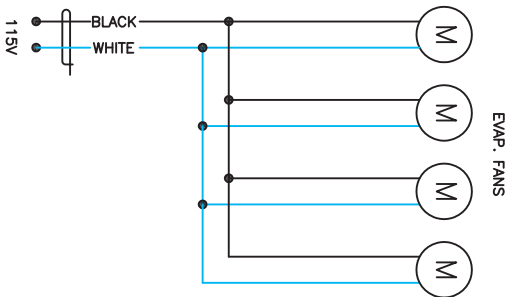
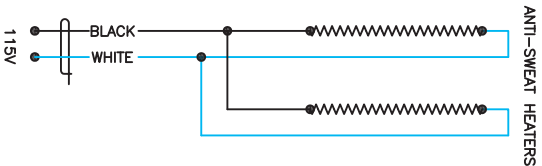
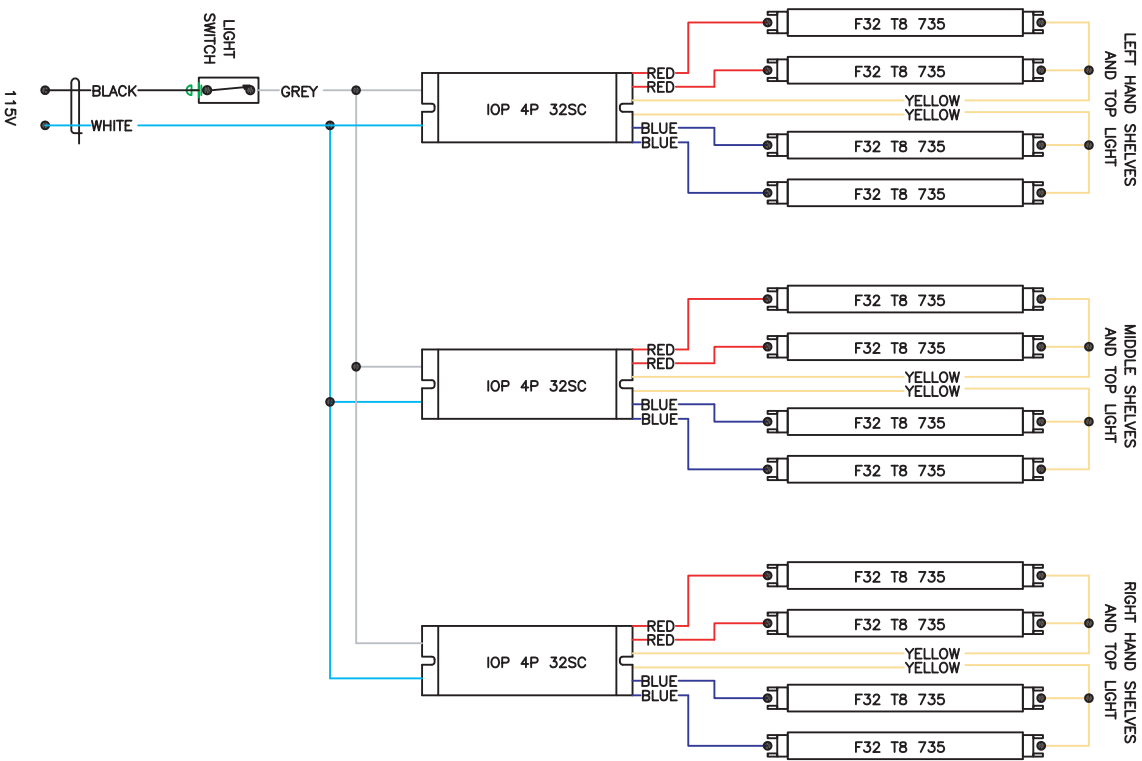
NOTE: CASE MUST BE GROUNDED

DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF54-10 R	DRAFTER	CP	APPROVED BY
DRAWING #						STANDARD WIRING DIAGRAM		SCALE	NONE	



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.



VOLT.	120-208 1-60
AMPS	4.57
BTU'S	13,800
EVAP. TEMP.	+18°

NOTE: CASE MUST BE GROUNDED

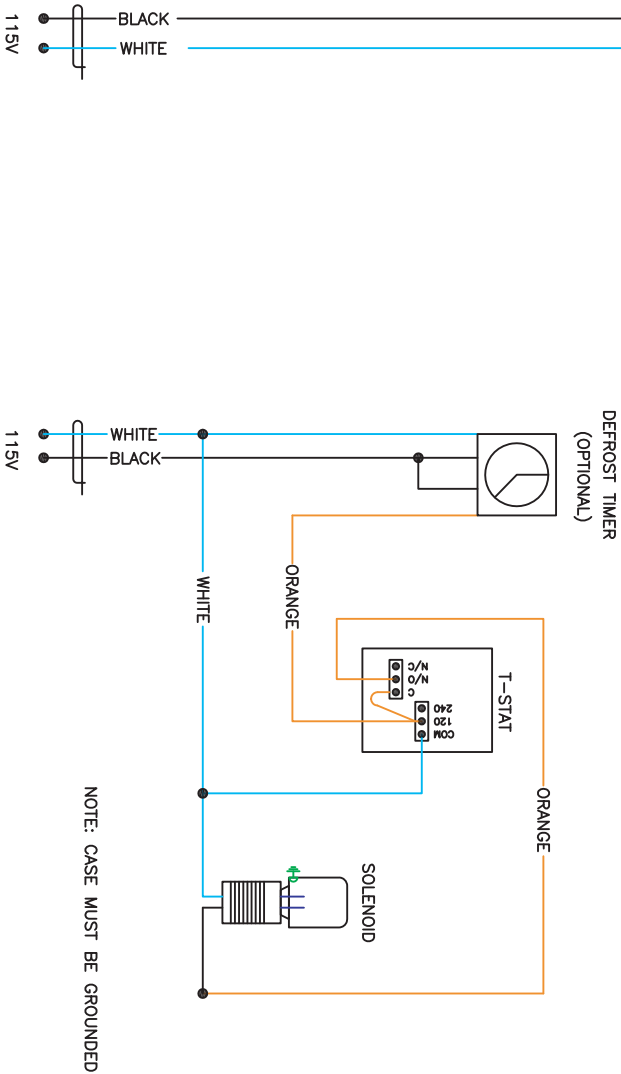
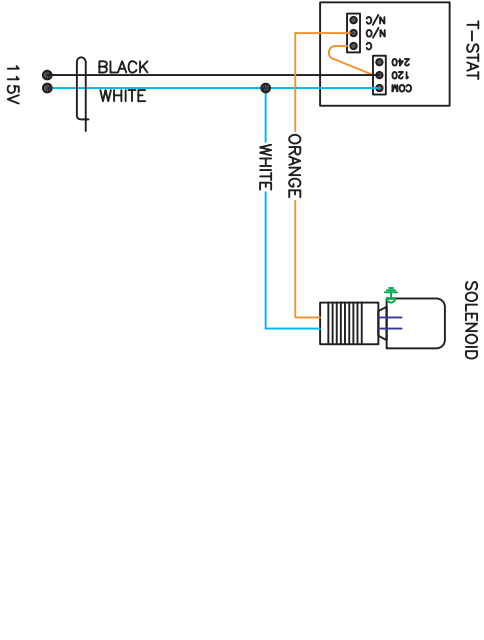
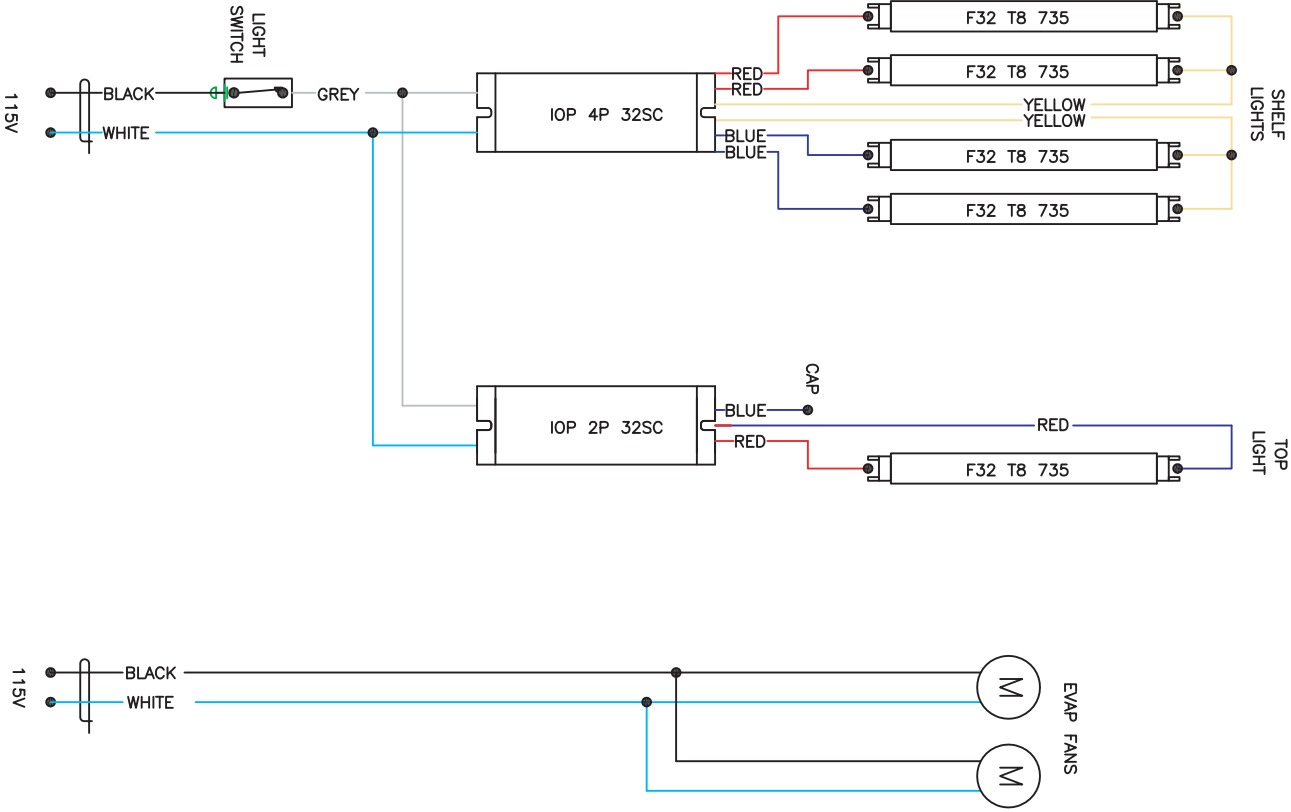
DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF54-12 R	DRAWER	SCALE	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM		NONE	



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-1-60
AMPS	2.3
BTU'S	6,000
EVAP. TEMP.	+18°

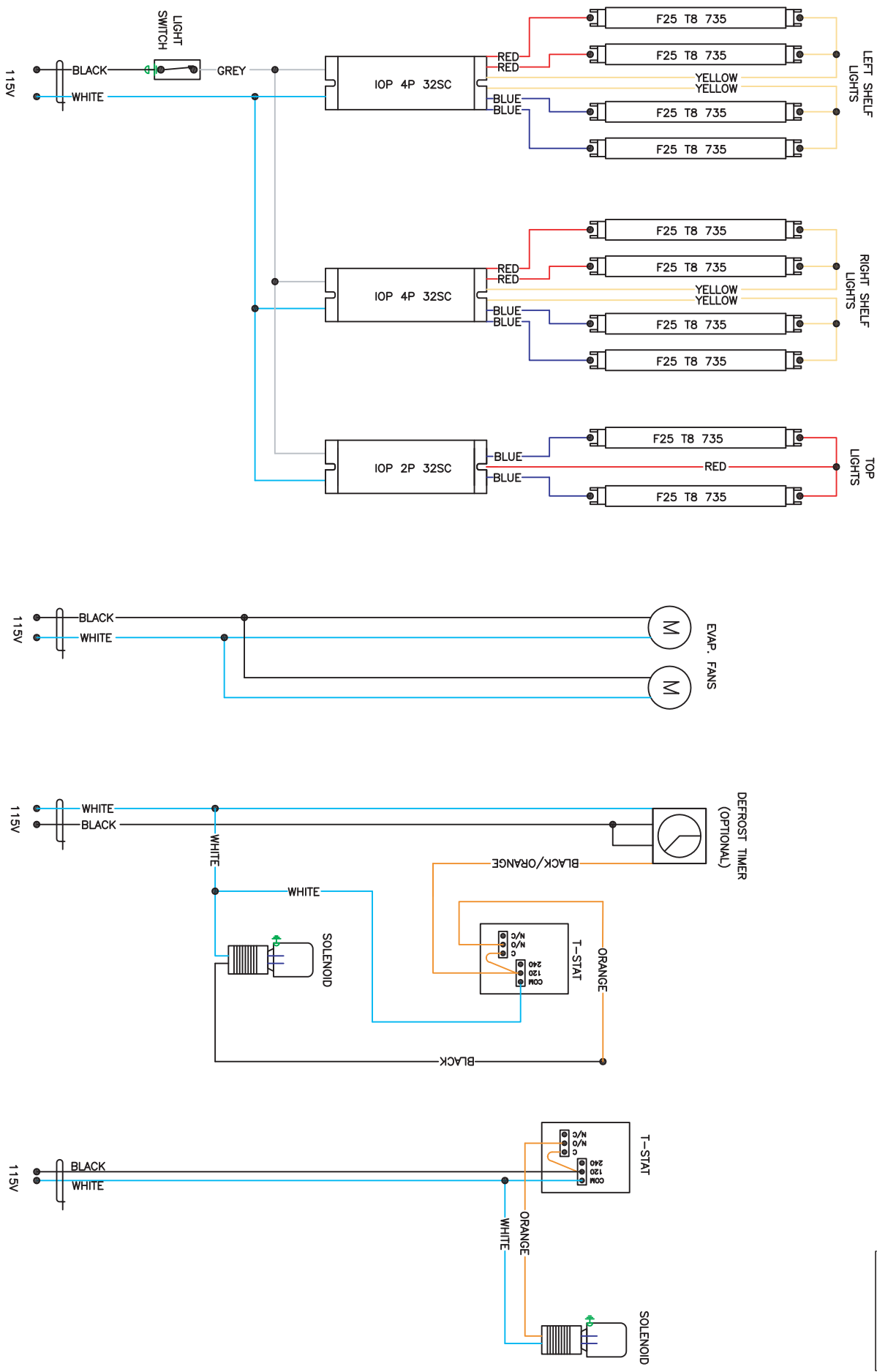


NOTE: CASE MUST BE GROUNDED

DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF72-4 R	DRAWER	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM		SCALE	NONE	

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	3.22
BTU'S	9,000
EVAP. TEMP.	+18°



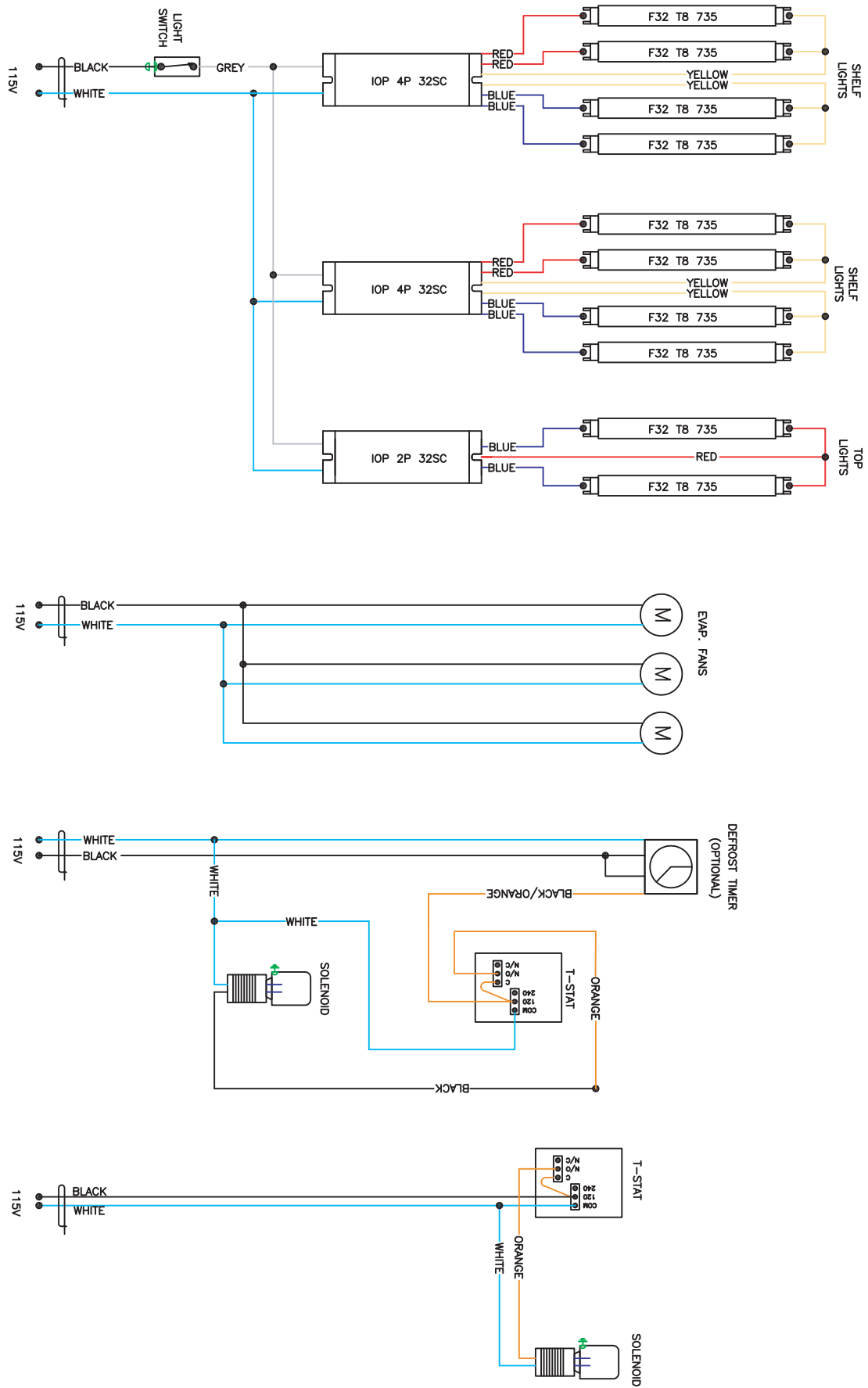
DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF72-6R	NOTE: CASE MUST BE GROUNDED	DRAFTER	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM			SCALE	NONE

**Bark**  
P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776



NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	4.01
BTU'S	12,000
EVAP. TEMP.	+18°

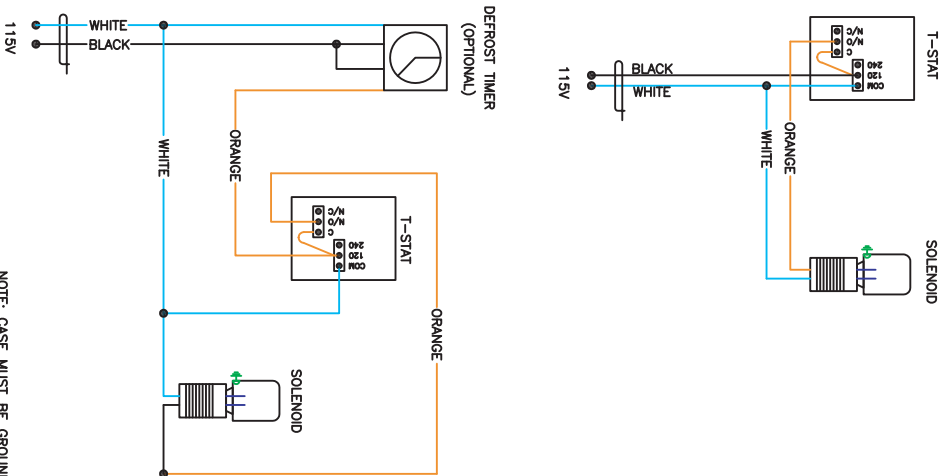
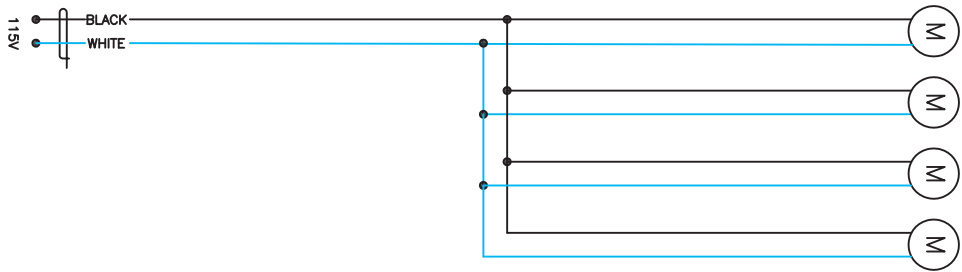
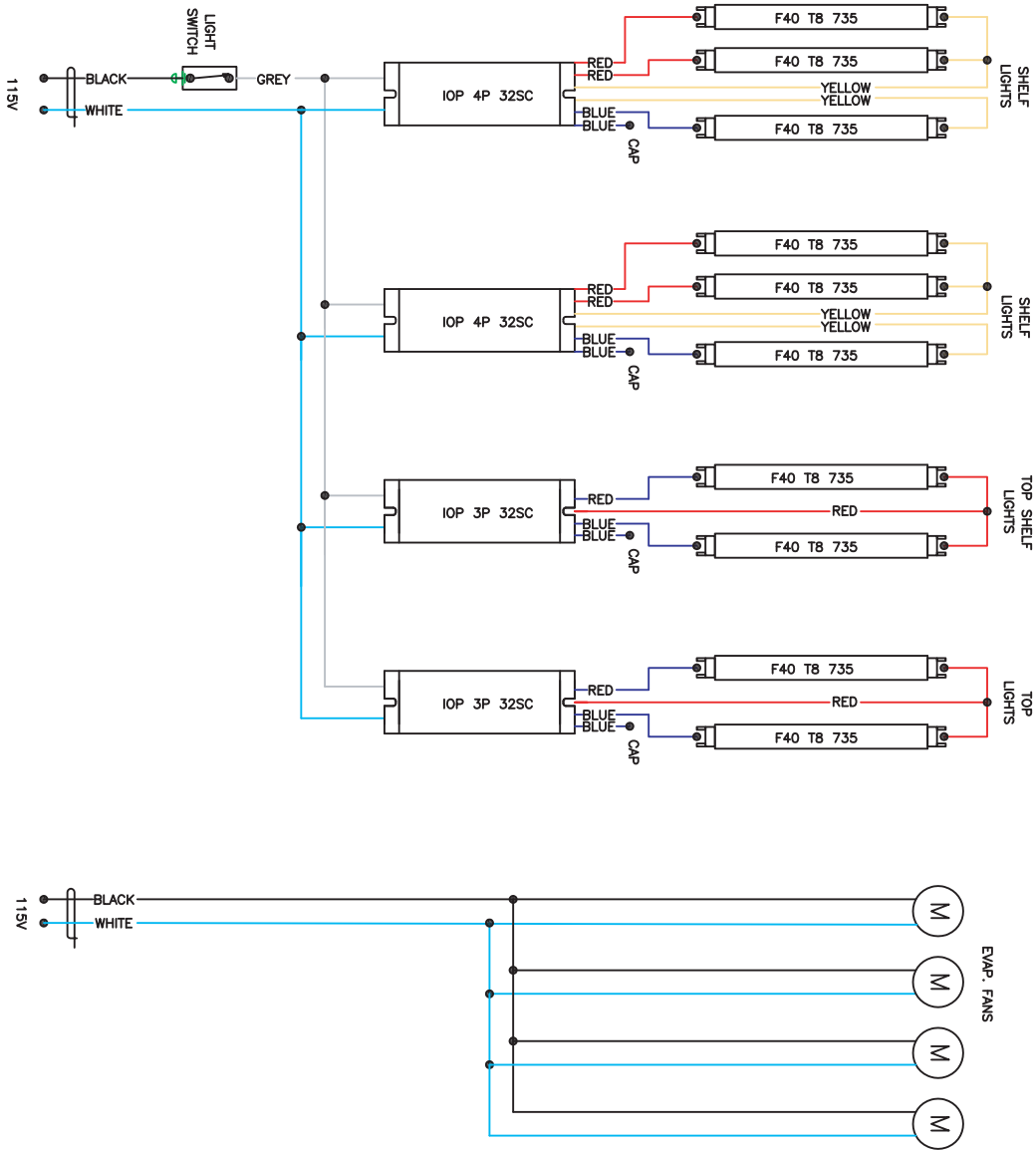


NOTE: CASE MUST BE GROUNDED

DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF72-8R	DRAFTER	CP	APPROVED BY
DRAWING #						STANDARD WIRING DIAGRAM		SCALE	NONE	

**Bartlett**  
P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

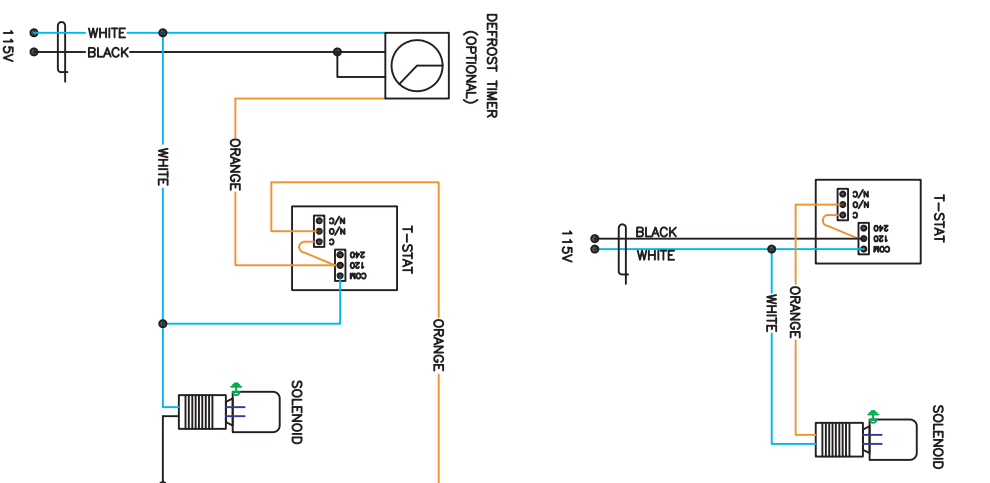
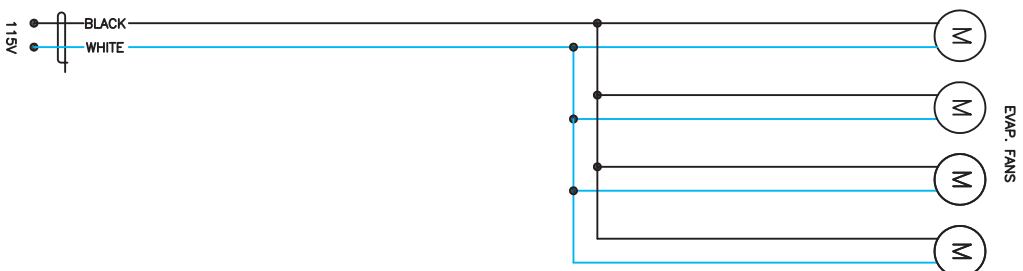
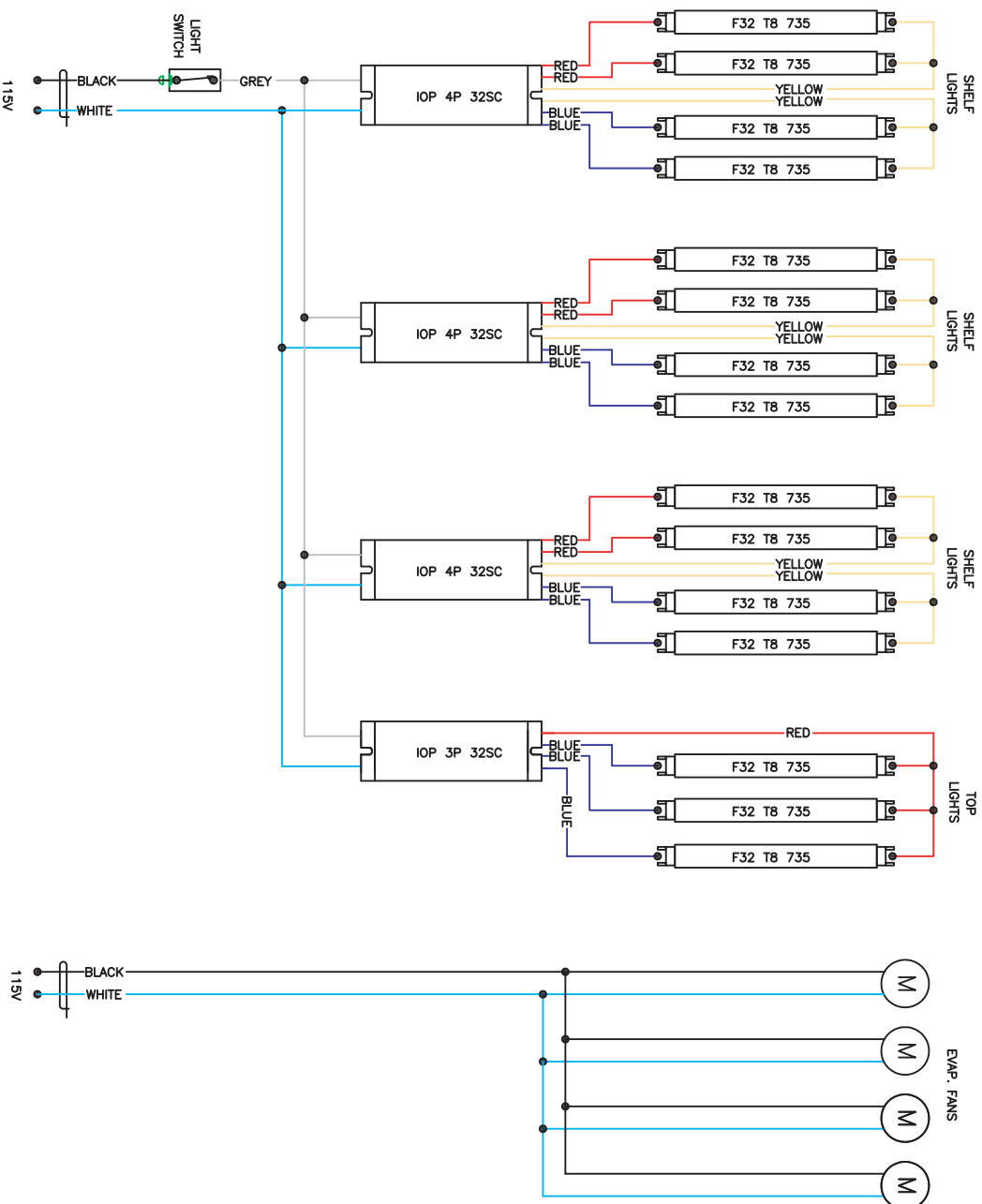


NOTE: CASE MUST BE GROUNDED

VOLT.	120-208 1-60
AMPS	5.75
BTU'S	15,000
EVAP. TEMP.	+18°

DATE:	12/8/08	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF72-10R	STANDARD WIRING DIAGRAM	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #															

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.



NOTE: CASE MUST BE GROUNDED

VOLT.	120-208 1-60
AMPS	6.18
BTU'S	18,000
EVAP. TEMP.	+18°

DATE: 12/8/2008  
DRAWING #

REVISION

PROJECT #  
ORDER #



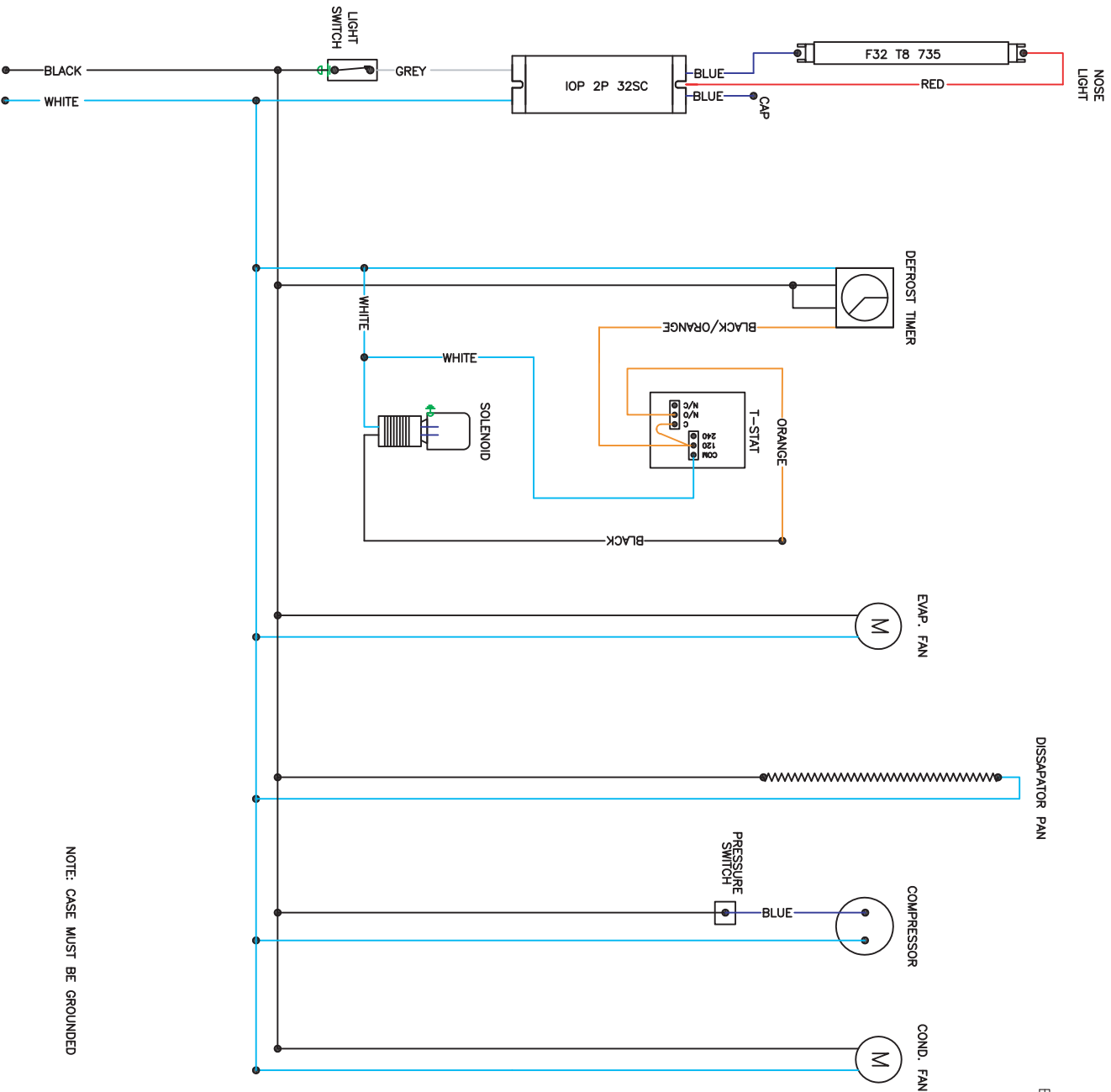
P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER: PF72-12R  
STANDARD WIRING DIAGRAM

DRAWN BY  
SCALE NONE

APPROVED BY

VOLT.	120-1-60
AMPS	17.92
BTU'S	2,600
EVAP. TEMP.	+18°



DATE: 08/01/2008  
DRAWING #

REVISION  
---

PROJECT #  
ORDER #



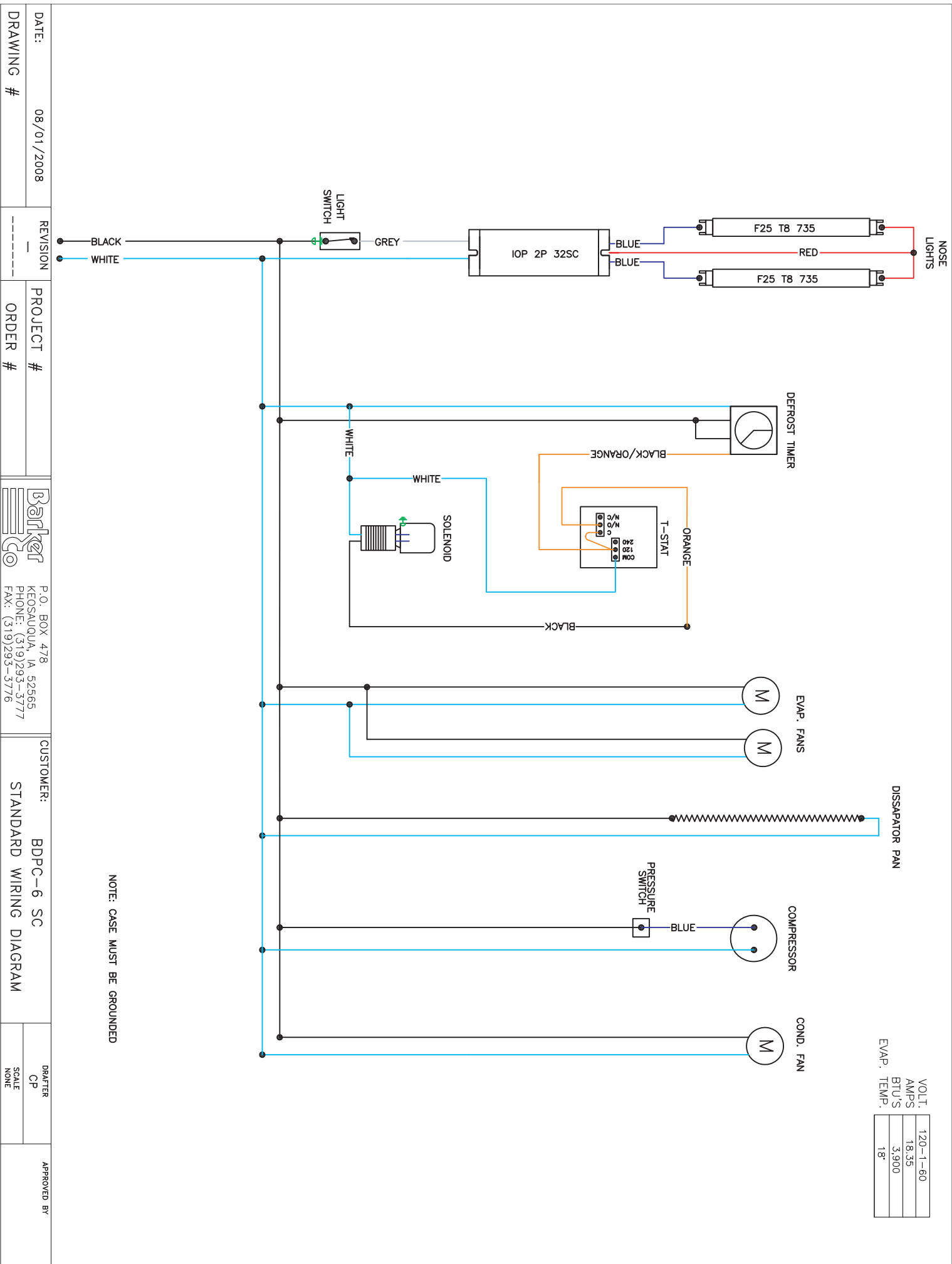
P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER: BDP-4 SC  
STANDARD WIRING DIAGRAM

DRAWN BY  
CP  
SCALE  
NONE

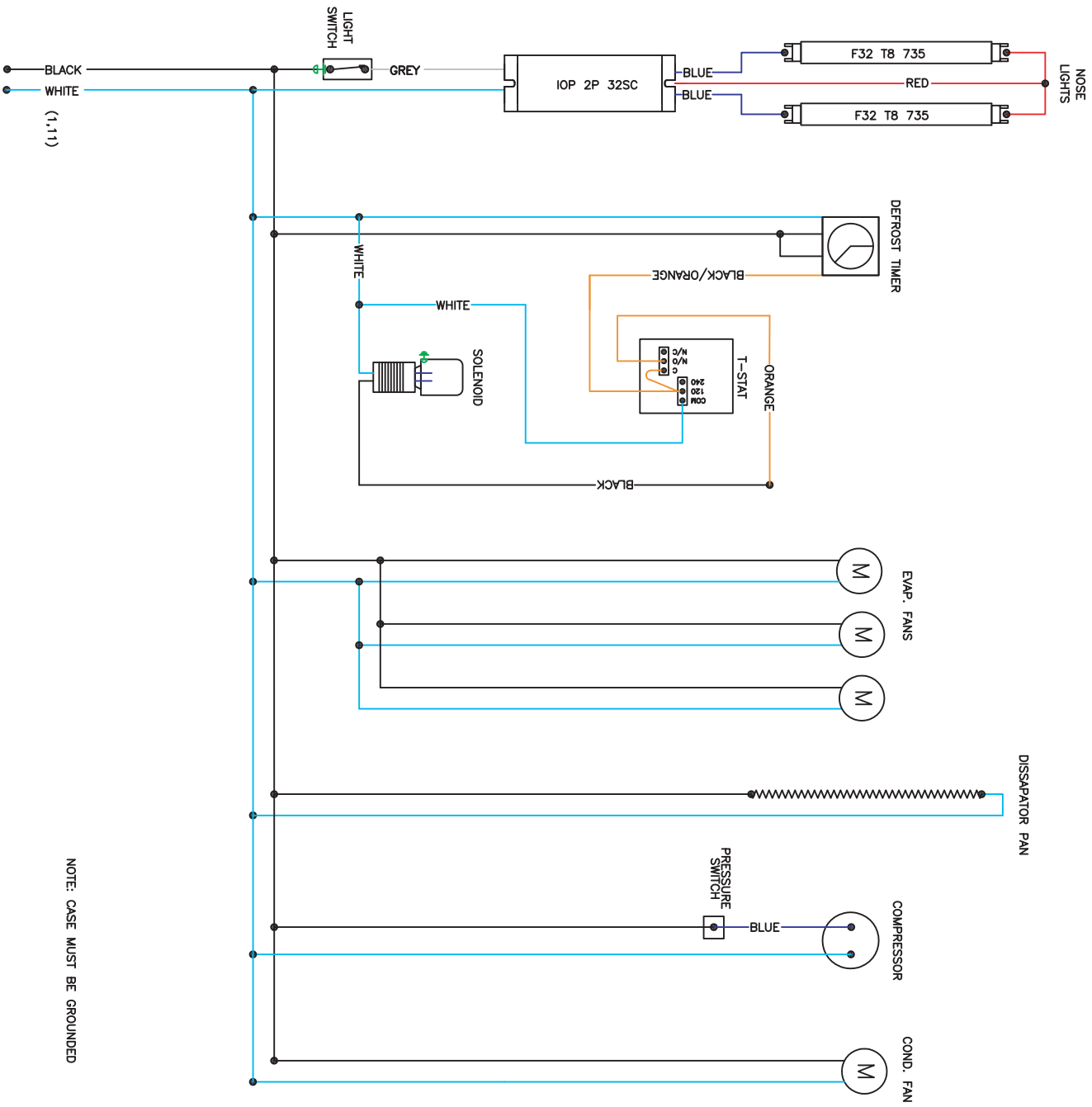
APPROVED BY

VOLT.	120-1-60
AMPS	18.35
BTU'S	3,900
EVAP. TEMP.	18°



DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER: BDPC-6 SC	STANDARD WIRING DIAGRAM	DRAFTER CP	APPROVED BY
DRAWING #											

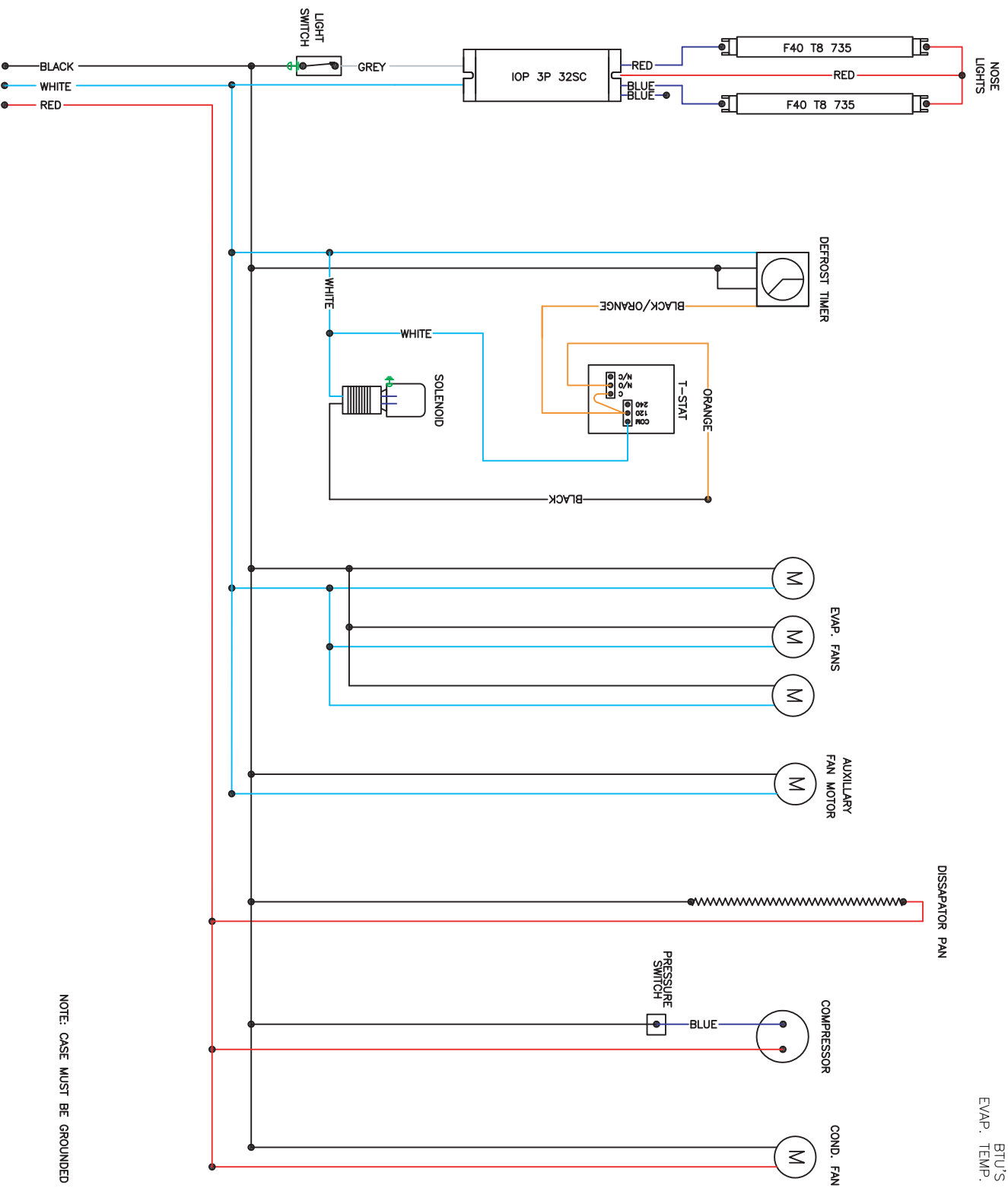
VOLT.	120-1-60
AMPS	22.08
BTU'S	5,200
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-8 SC	DRAWN BY	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM	SCALE	NONE			

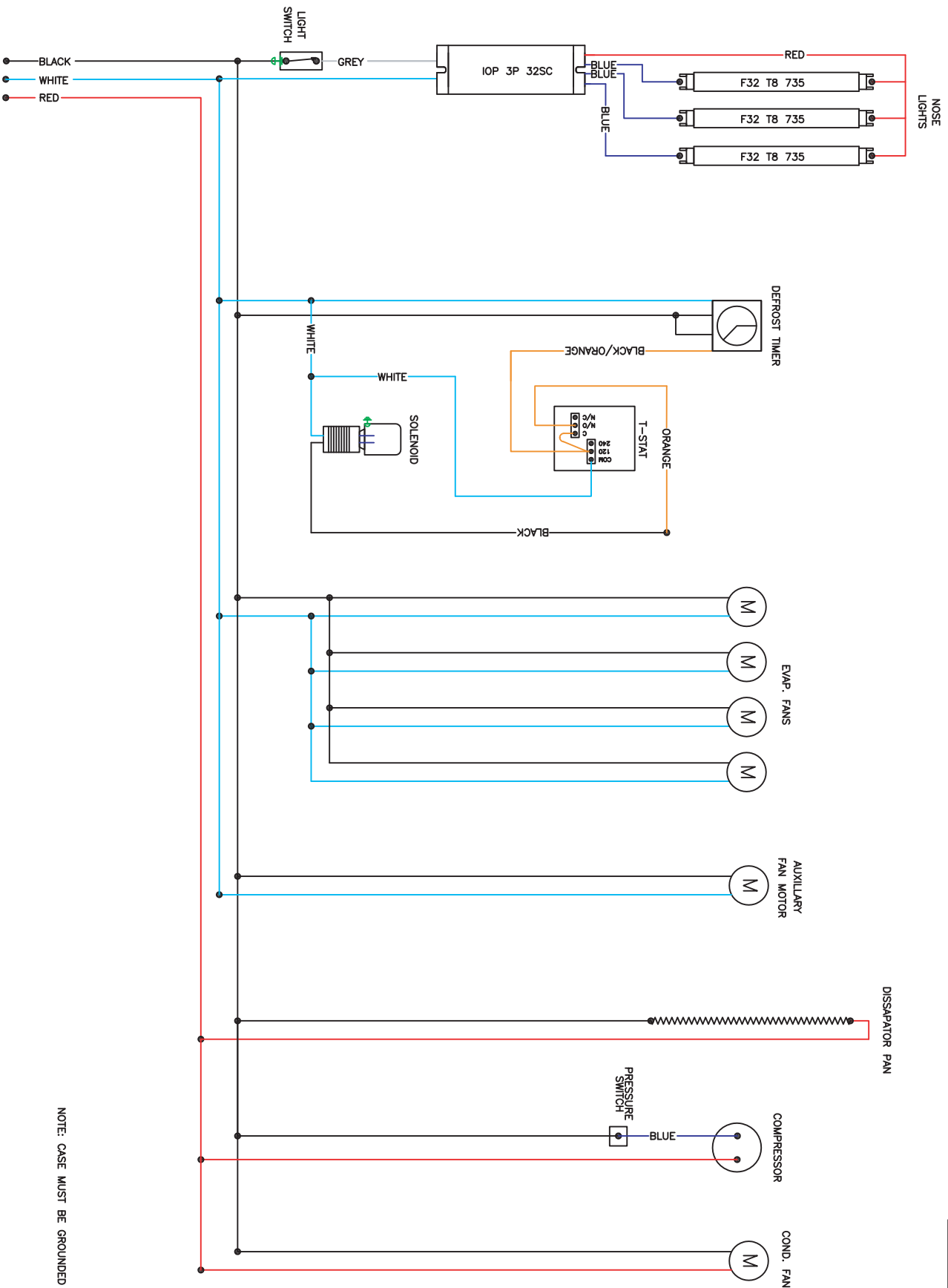
VOLT.	120-208 1-60
AMPS	14.33
BTU'S	6,500
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-10 SC	DRAWN BY	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM			SCALE	NONE

VOLT.	120-208 1-60
AMPS	14.76
BTU'S	7,800
EVAP. TEMP.	+18°

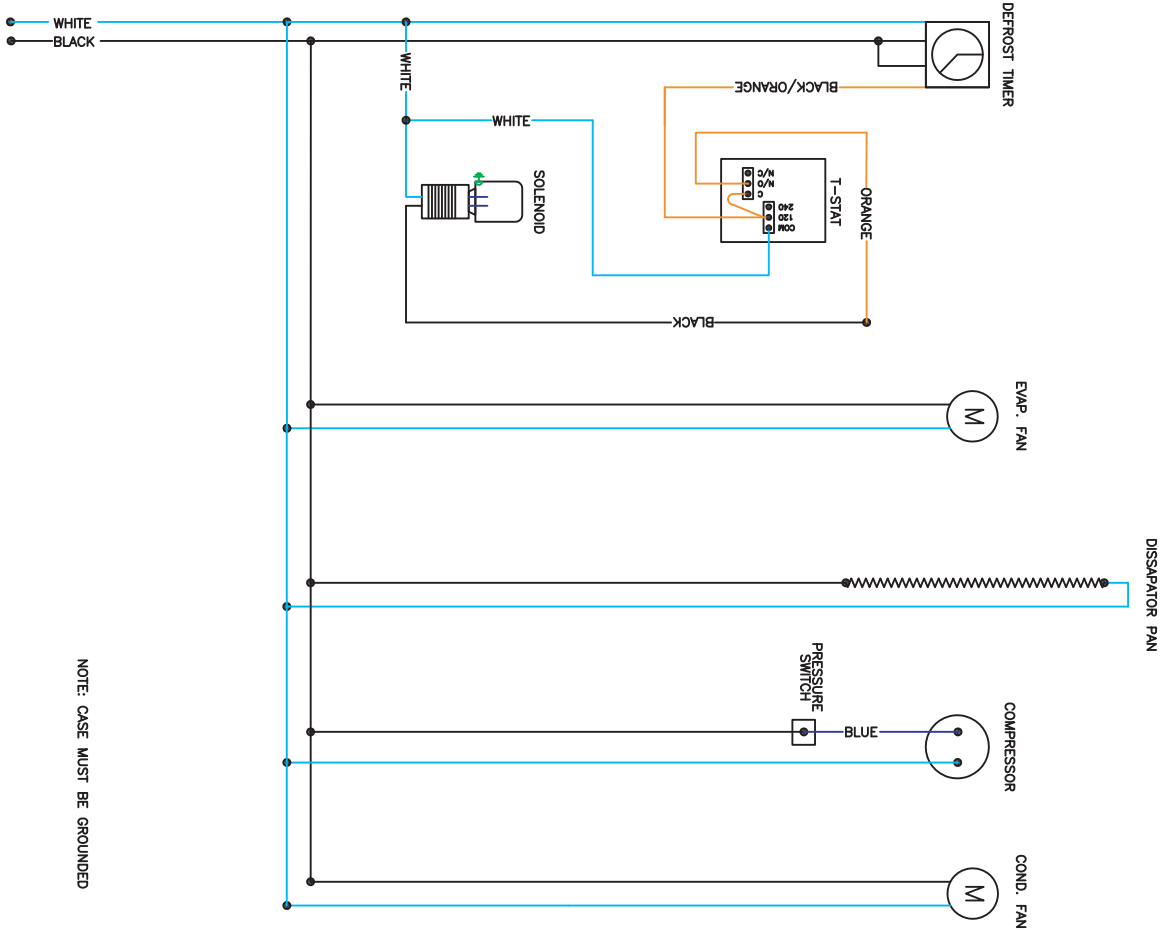


NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	BDPC-12 SC	DRAWN BY	CP	APPROVED BY
DRAWING #								STANDARD WIRING DIAGRAM	SCALE	NONE		

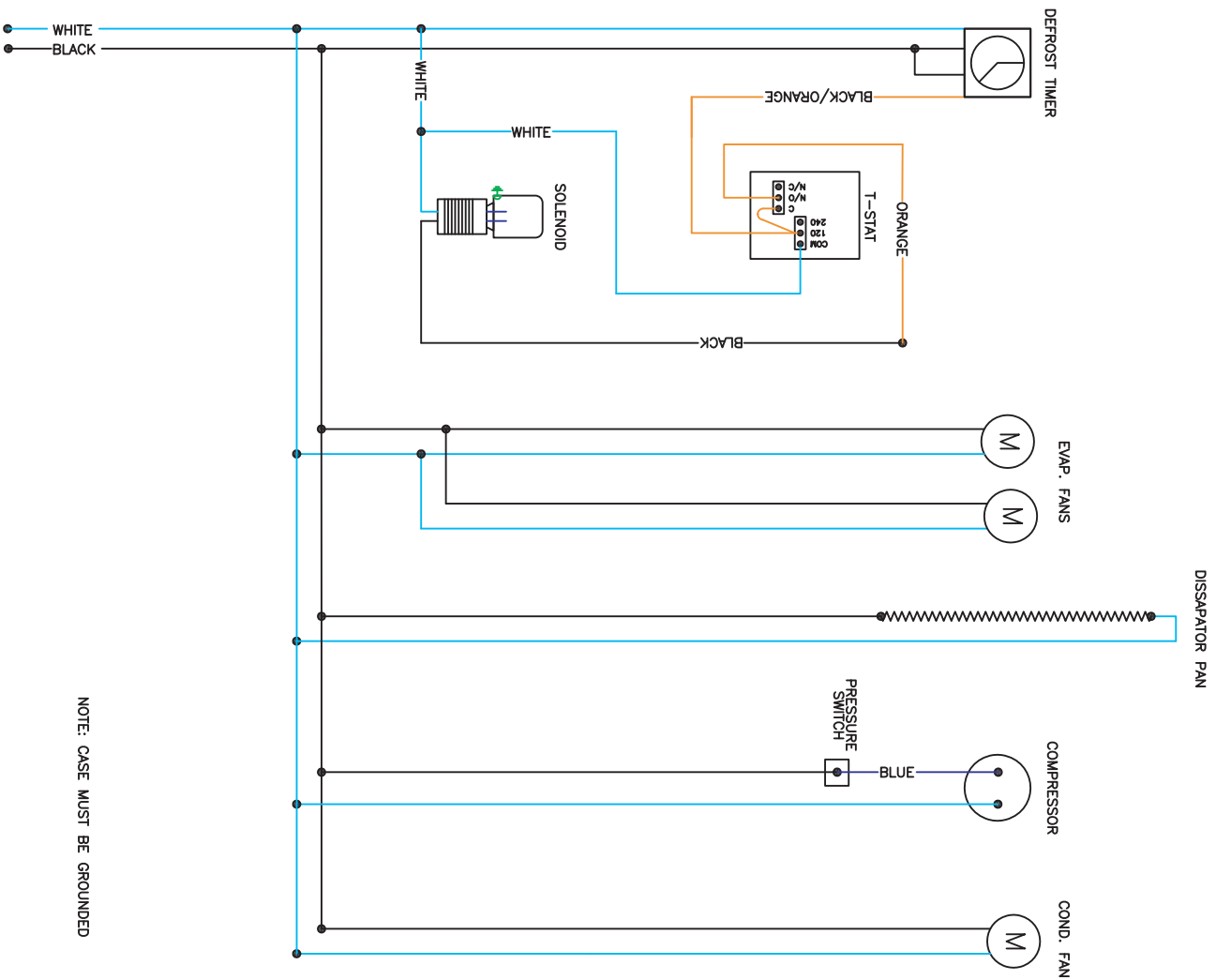


VOLT.	120-1-60
AMPS	17.43
BTU'S	2,600
EVA. TEMP.	+18°



DATE:	08/01/2008	REVISION	—	PROJECT #	ORDER #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PC-4 SC	DRAWN BY	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM			SCALE	NONE

VOLT.	120-1-60
AMPS	17.86
BTU'S	3,900
EVAP. TEMP.	18°



NOTE: CASE MUST BE GROUNDED

DATE: 08/01/2008

DRAWING #

REVISION

PROJECT #

ORDER #



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

CUSTOMER: PC-6 SC

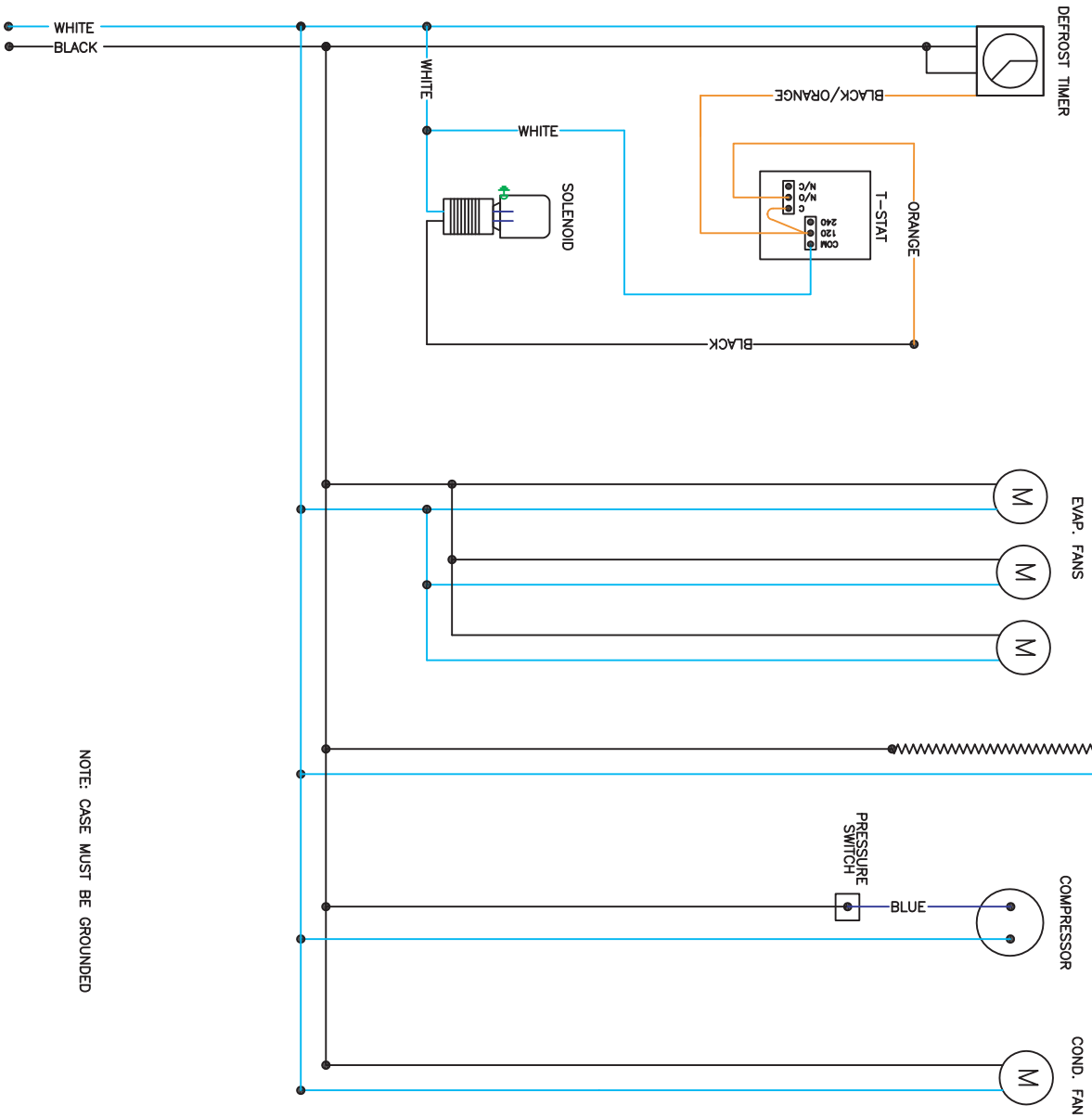
STANDARD WIRING DIAGRAM

DRAWN BY  
CP

SCALE  
NONE

APPROVED BY

VOLT.	120-1-60
AMPS	21.59
BTU'S	5,200
EVAP. TEMP.	+18°

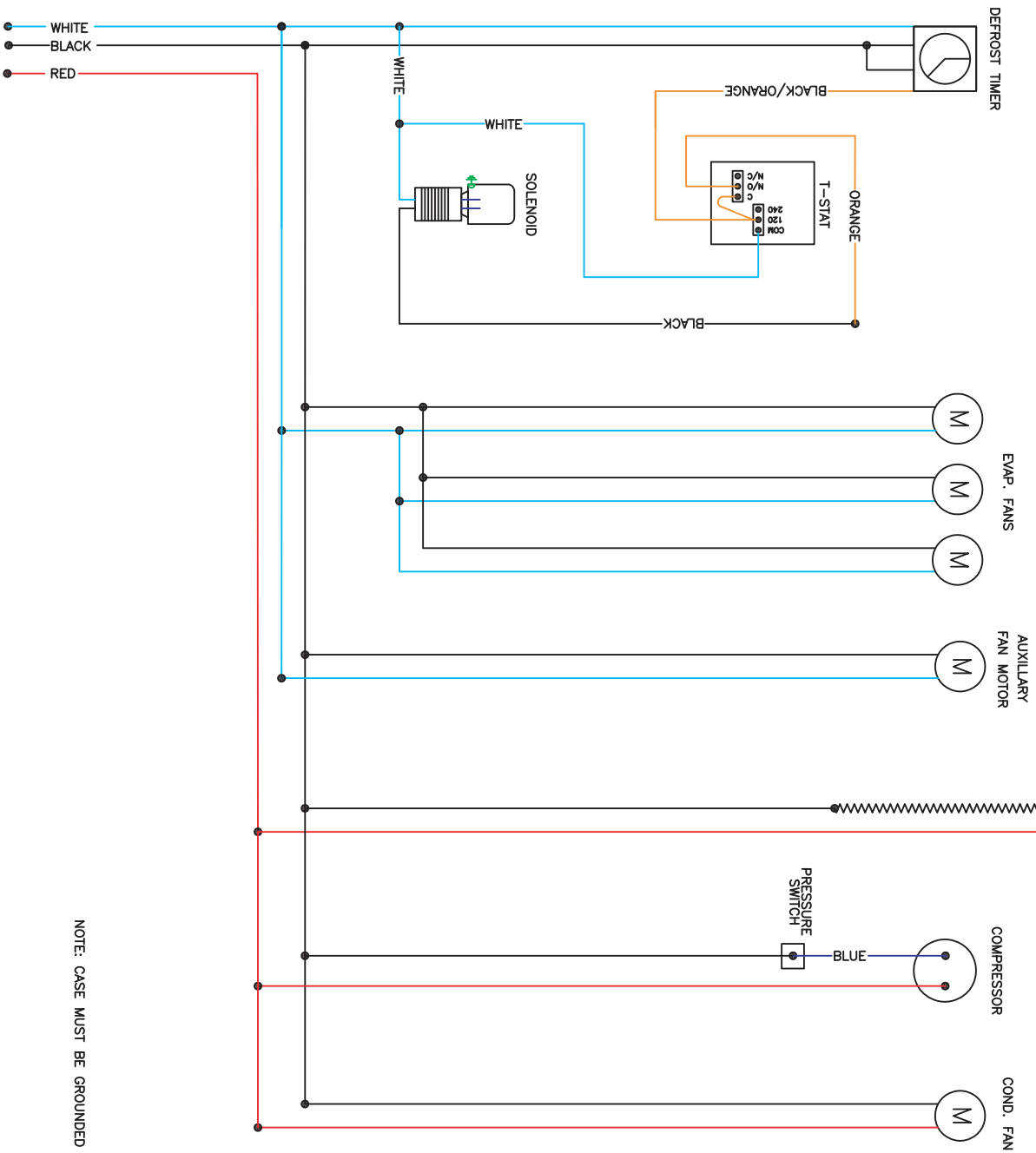


NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	—	PROJECT #	ORDER #	 P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PC-8 SC	DRAFTER	APPROVED BY
DRAWING #							SCALE	NONE		

STANDARD WIRING DIAGRAM

VOLT.	120-208 1-60
AMPS	13.57
BTU'S	6,500
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE: 08/01/2008

DRAWING #

REVISION

PROJECT #

ORDER #



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

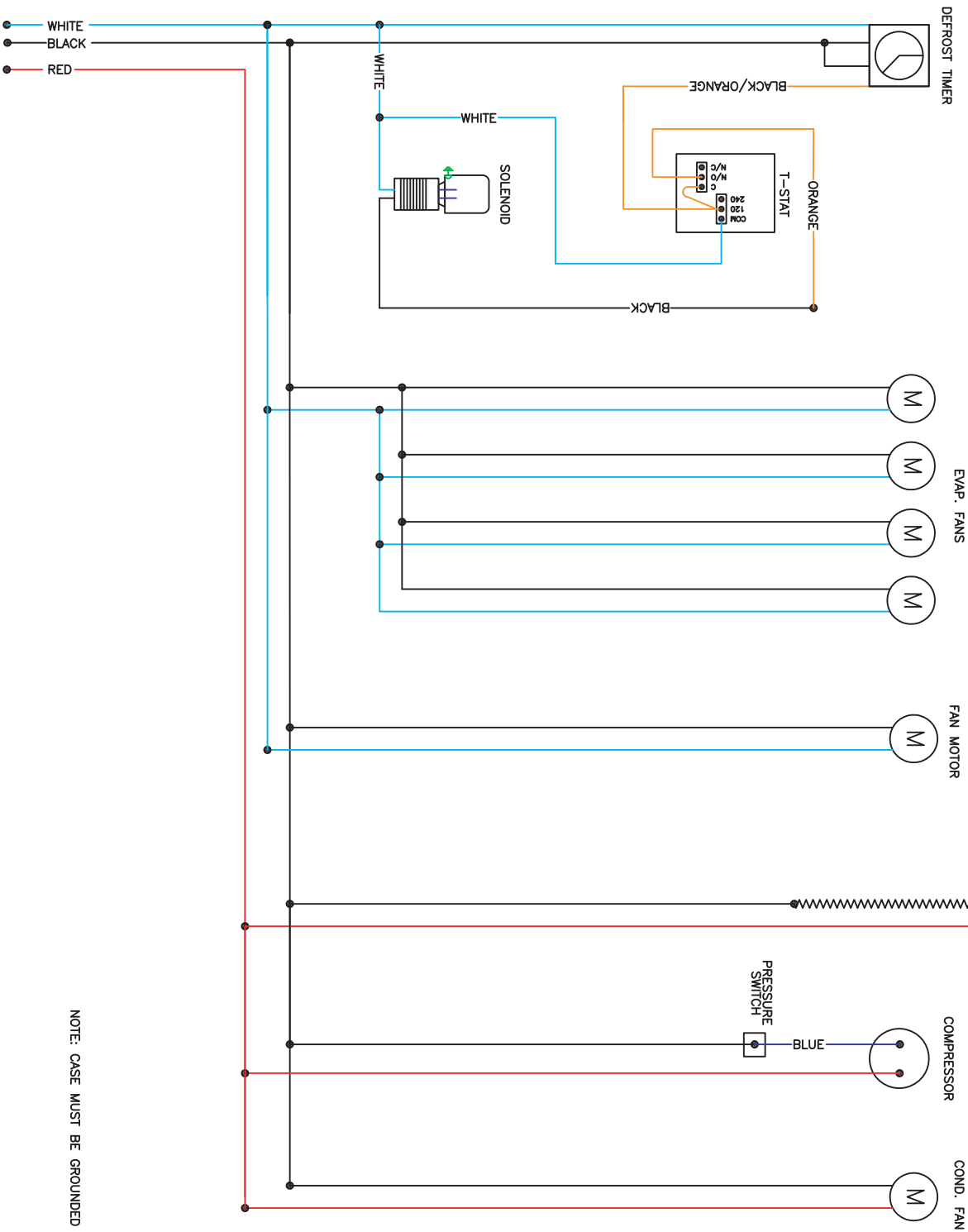
CUSTOMER: BDPc-10 SC

STANDARD WIRING DIAGRAM

DRAWN BY  
CP  
SCALE  
NONE

APPROVED BY

VOLT.	120-208	1-60
AMPS	14.0	
BTU'S	7,800	
EVAP. TEMP.	+18°	



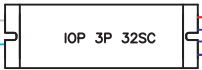
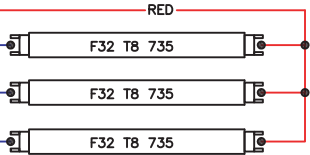
NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	—	PROJECT #	ORDER #	Barkley	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PC-12 SC	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM					

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

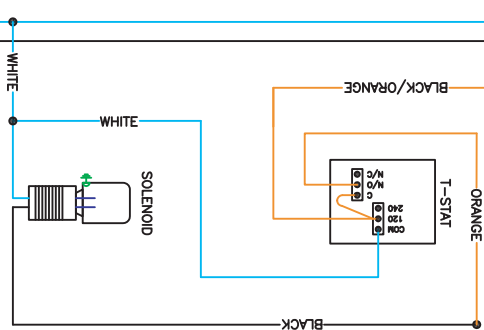
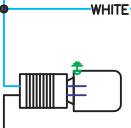
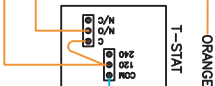
VOLT.	120-1-60
AMPS	20.67
BTU'S	3,780
EVAP. TEMP.	+18°

SHELF & TOP  
LIGHTS



BLACK  
WHITE

DEFROST TIMER



EVAP. FAN

ANTI-SWEAT  
HEATER

DISAPATOR PAN

COMPRESSOR



COND. FAN



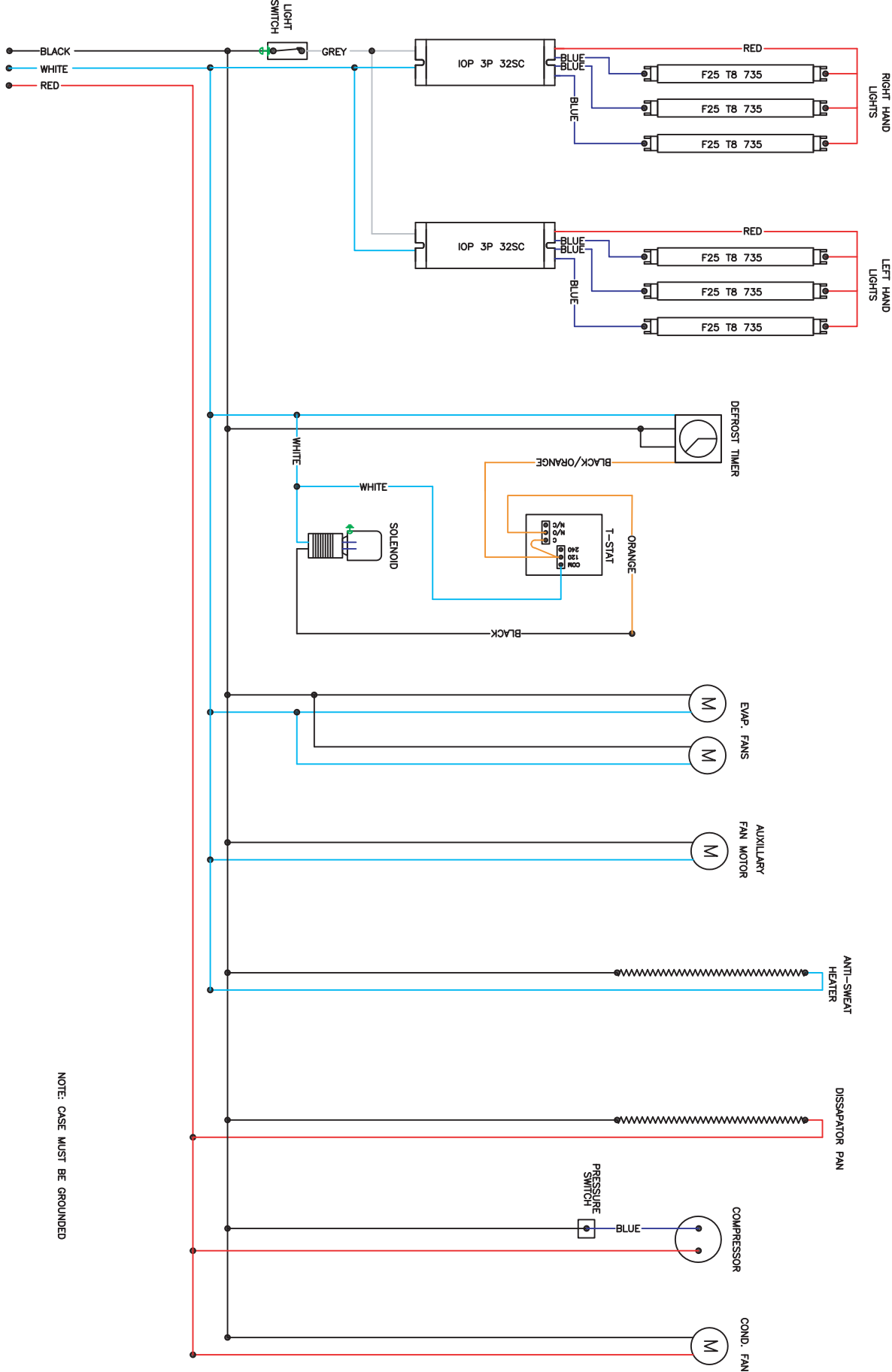
PRESSURE  
SWITCH

NOTE: CASE MUST BE GROUNDED

DATE:	12/8/2008	REVISION	—					
DRAWING #		PROJECT #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF51-4R	DRAWN BY	APPROVED BY
		ORDER #					CP	
					STANDARD WIRING DIAGRAM		SCALE	
							NONE	

NOTE: SHELVES ARE OPTIONAL. CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	14.88
BTU'S	5,670
EVAP. TEMP.	+18°

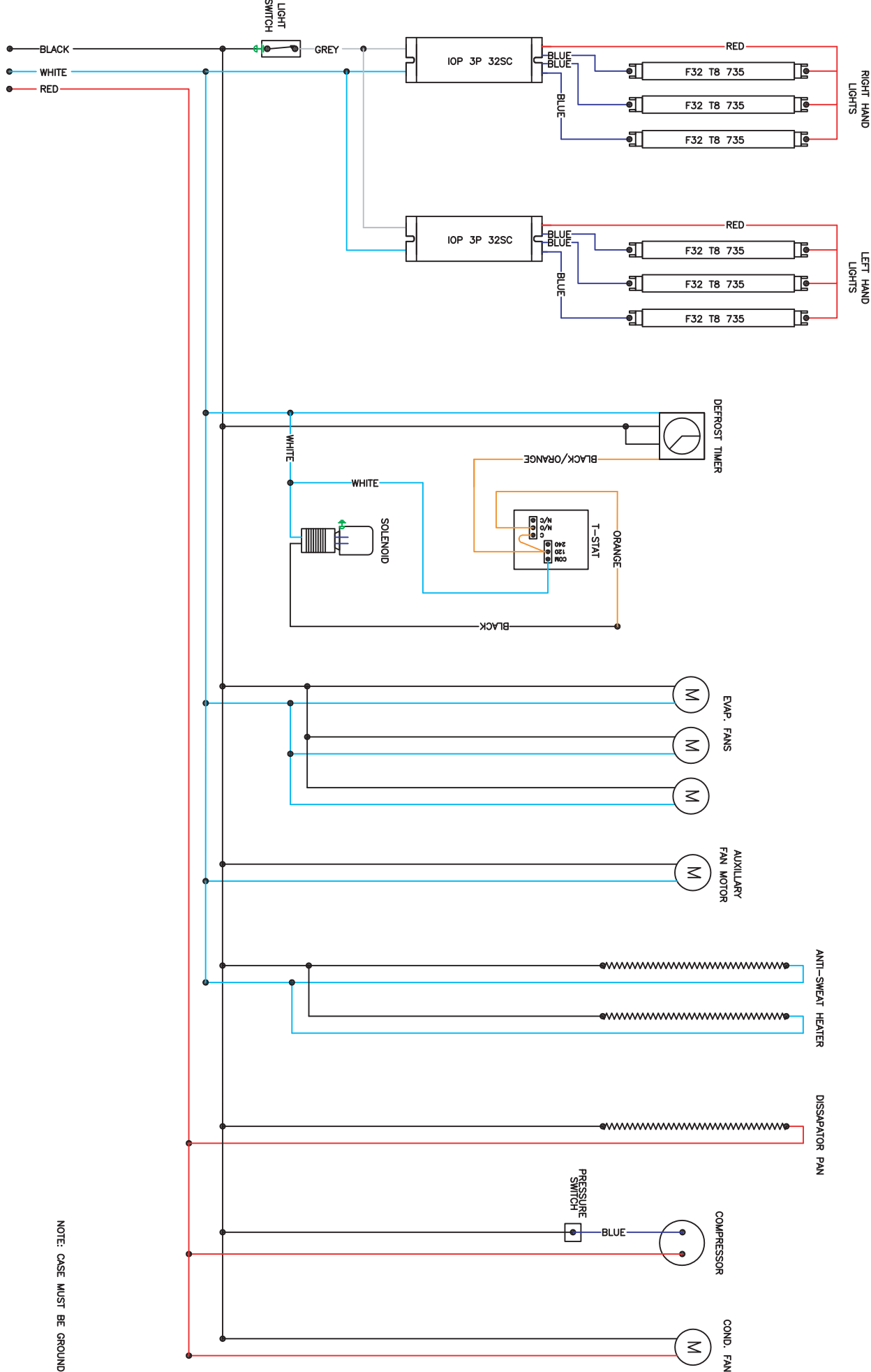


NOTE: CASE MUST BE GROUNDED

DATE:	12/5/2008	REVISION	---	PROJECT #	ORDER #	Borker	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF51-6 SC	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM					

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	15.61
BTU'S	7,560
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	Barkley	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF51-8 SC	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM					



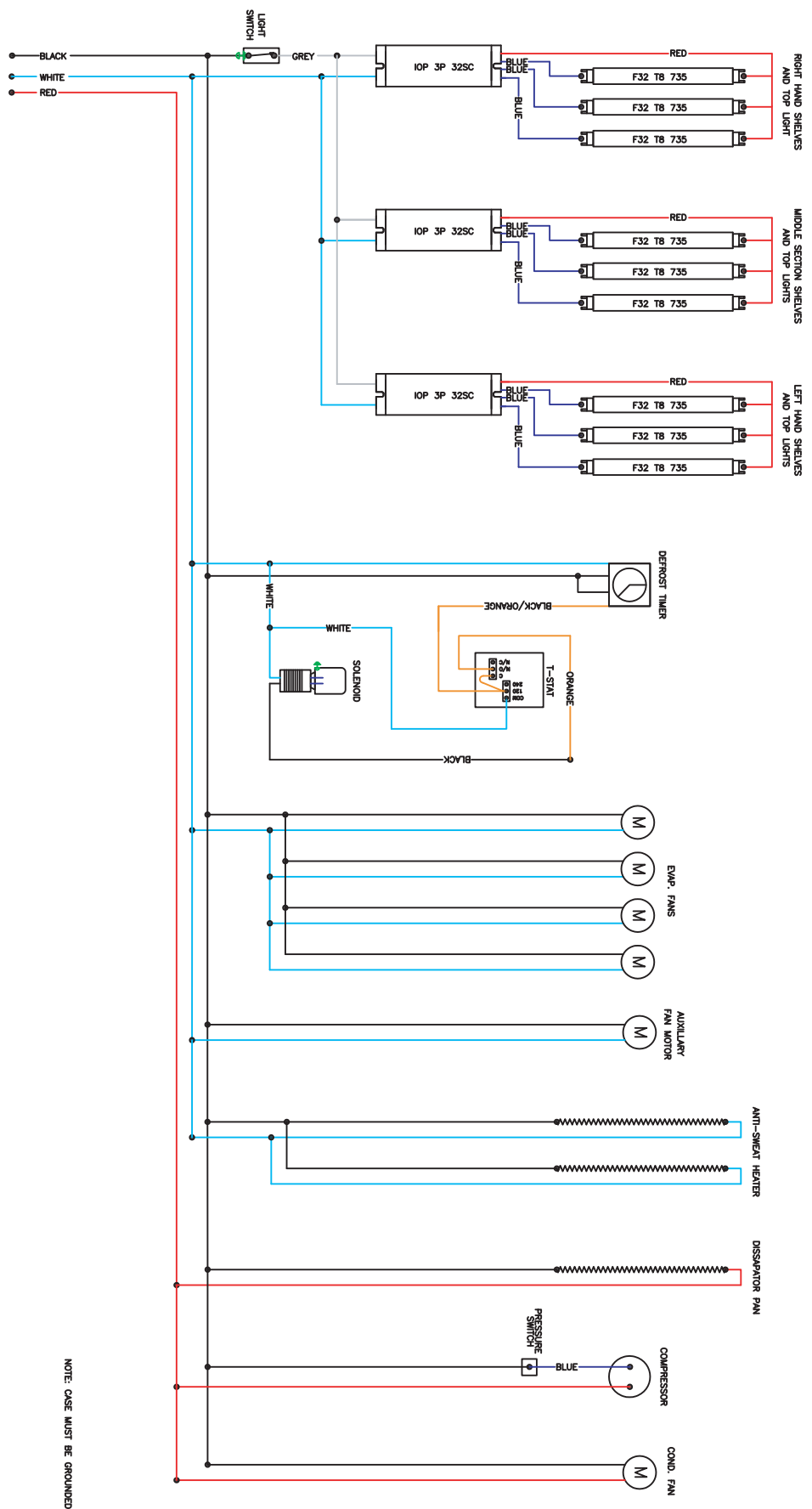
VOLT.	120-208	1-60
AMPS	23.24	
BTU'S	9,450	
EVAP. TEMP.	+18°	



APPROVED BY

VOLT.	120-208 1-60
AMPS	23.5
BTU'S	11,340
EVAP. TEMP.	+18°

NOTE: SHELVES ARE OPTIONAL. CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

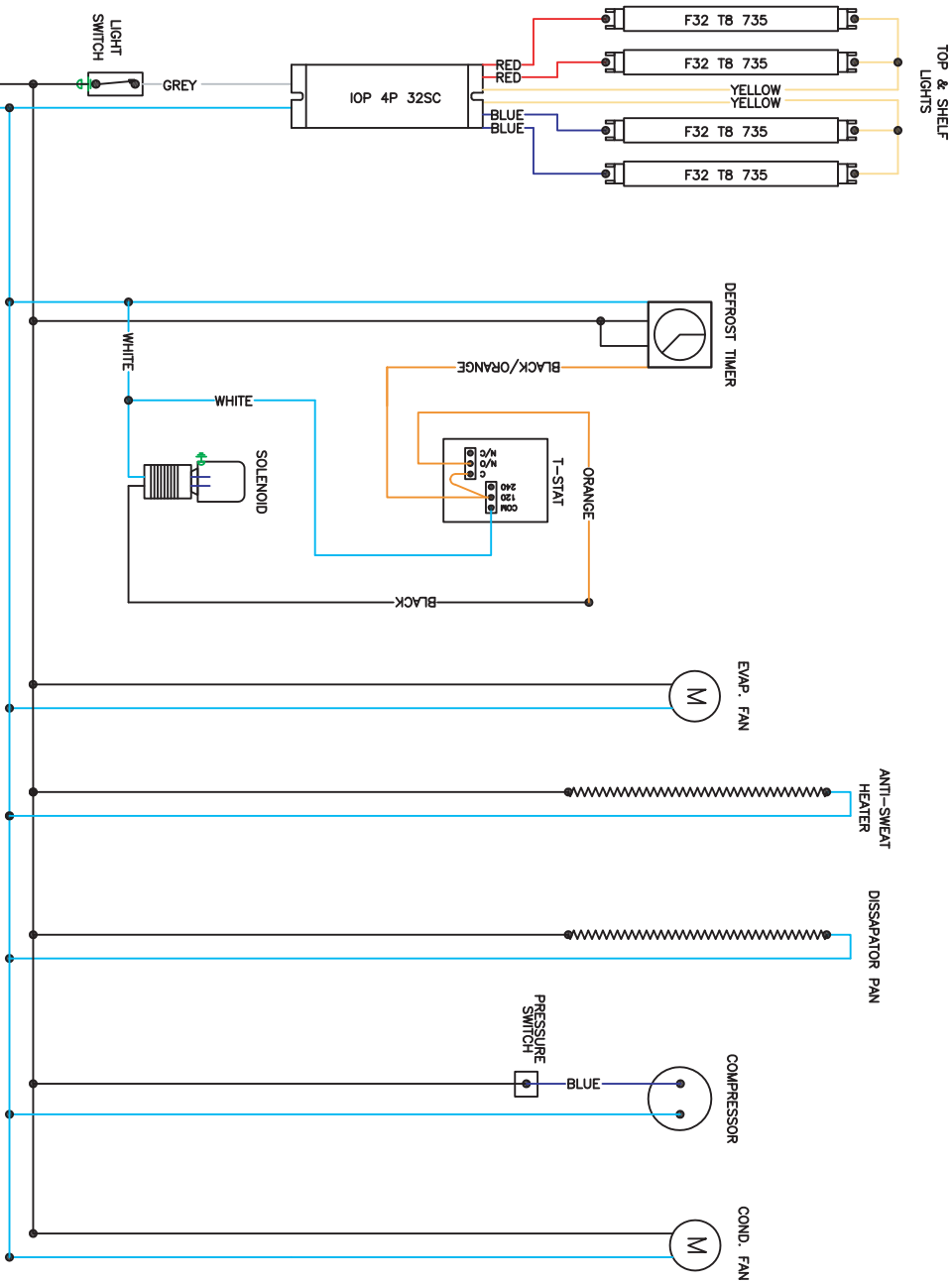


NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF51-12 SC	DRAWER	CP	APPROVED BY
DRAWING #								STANDARD WIRING DIAGRAM	SCALE	NONE		

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-1-60
AMPS	20.67
BTU'S	4,600
EVAP. TEMP.	+18°



NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF54-4SC	DRAWN BY	CP	SCALE	NONE	APPROVED BY
DRAWING #								STANDARD WIRING DIAGRAM					

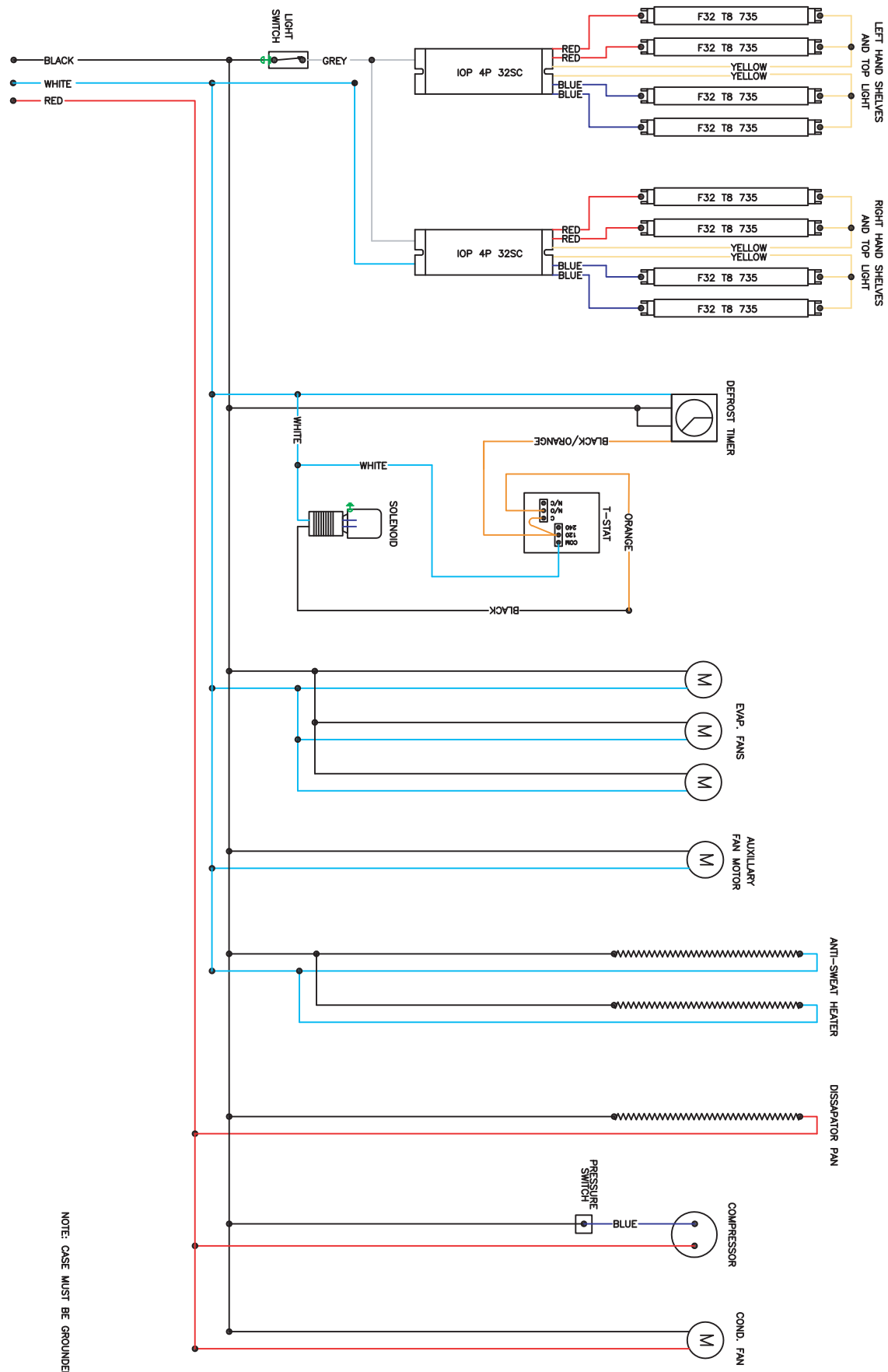
VOLT.	120-208	1-60
AMPS	14.88	
BTU'S	6,900	
EVAP. TEMP.	+18°	



APPROVED BY

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	15.61
BTU'S	9,200
EVAP. TEMP.	+18°

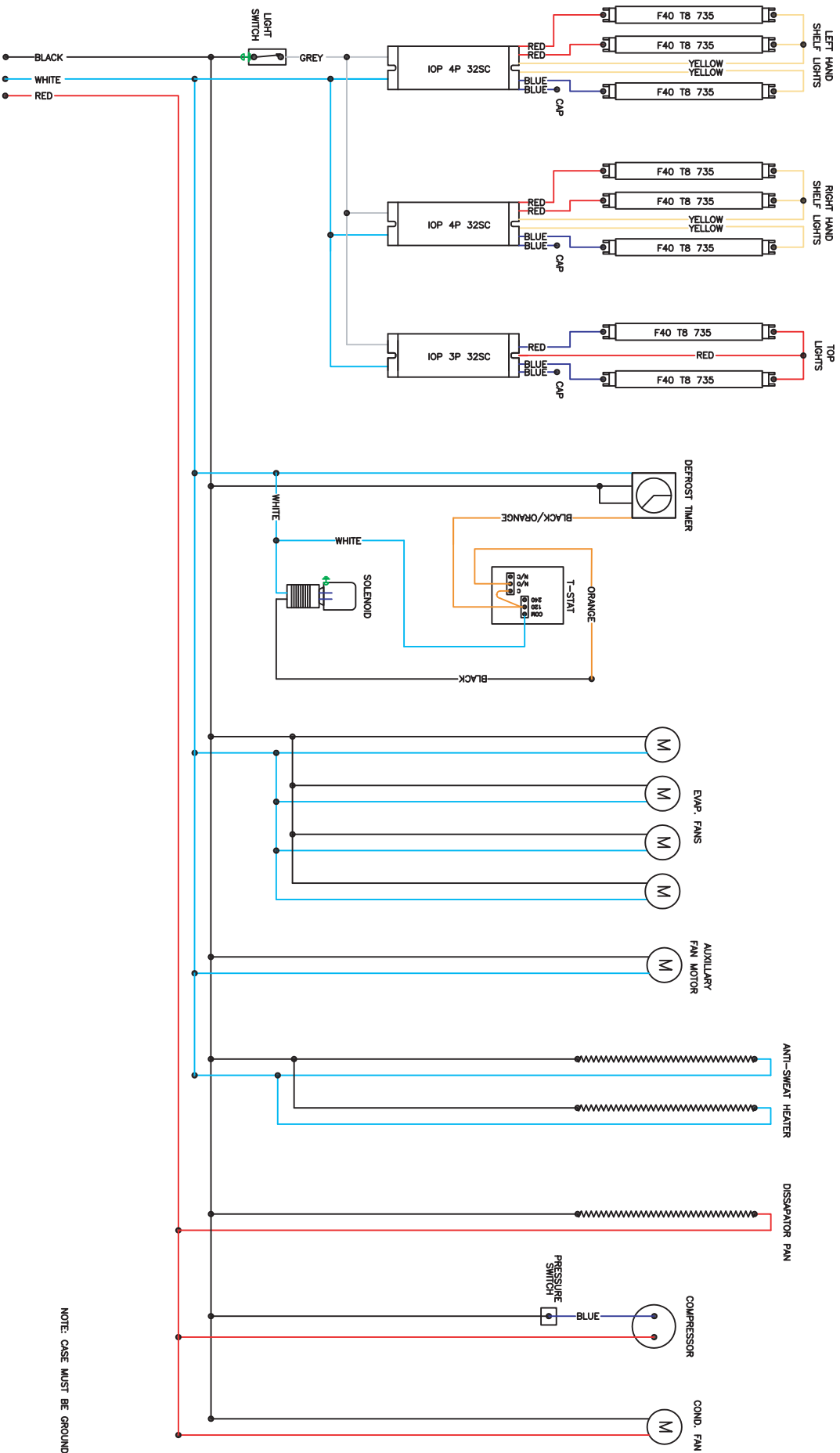


NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #		P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF54-8 SC	STANDARD WIRING DIAGRAM	DRAWER	APPROVED BY
DRAWING #											CP	SCALE

VOLT.	120-208 1-60
AMPS	23.4
BTU'S	11,500
EVAP. TEMP.	+18°

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.



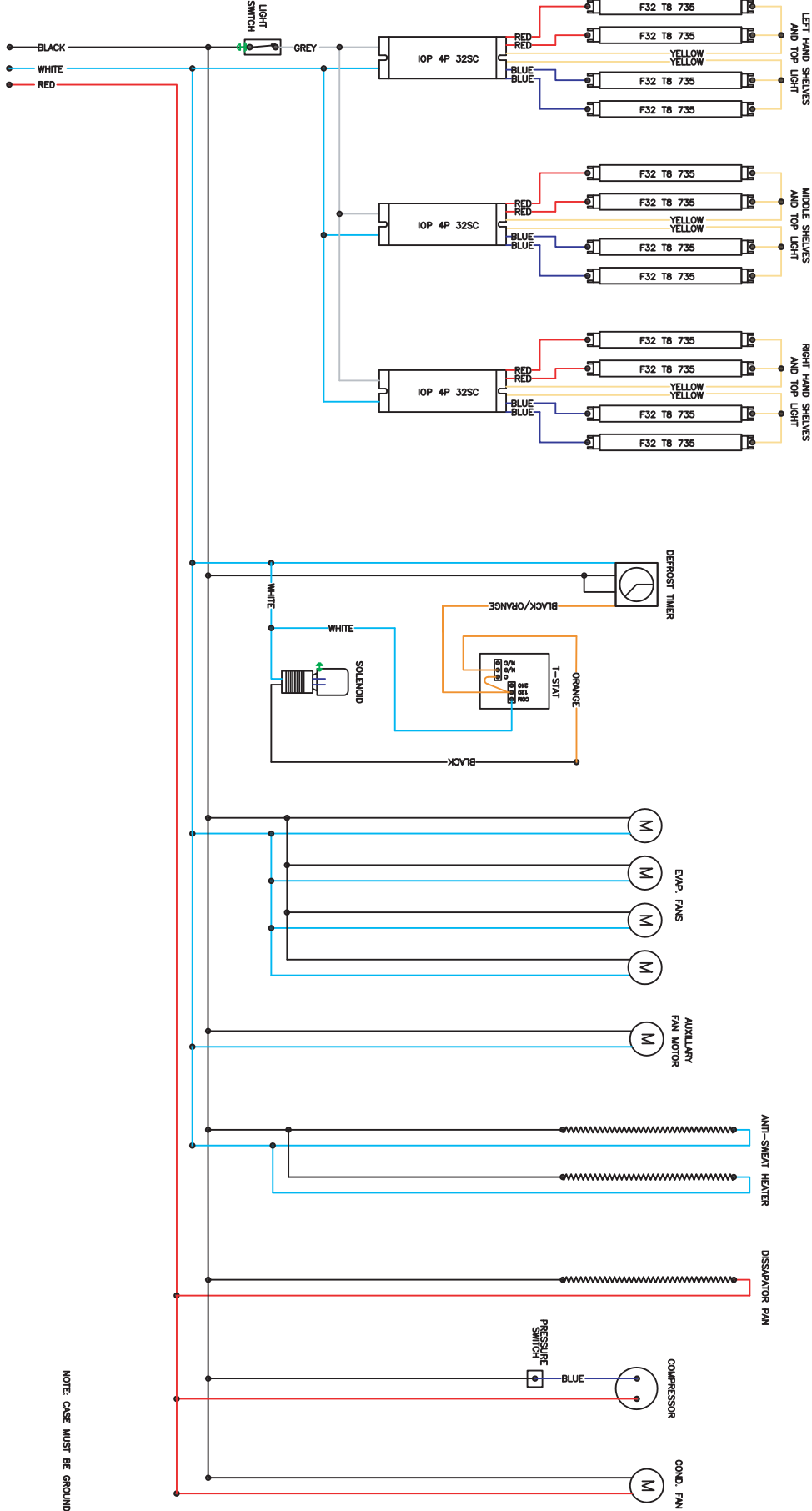
NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	PROJECT #	ORDER #	CUSTOMER:	PF54-10 SC	DRAWER	APPROVED BY
DRAWING #	---	---	---	---	KEOSAUQUA, IA 52565	STANDARD WIRING DIAGRAM	CP	SCALE
					PHONE: (319)293-3777		NONE	
					FAX: (319)293-3776			



VOLT.	120-208 1-60
AMPS	23.5
BTU'S	13,800
EVAP. TEMP.	+18°

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.



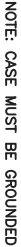
NOTE: CASE MUST BE GROUNDED

DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	CUSTOMER:	PF54-12 SC	DRAWN BY	CP	APPROVED BY
DRAWING #							STANDARD WIRING DIAGRAM		SCALE	NONE



P.O. BOX 478  
KEOSAUQUA, IA 52565  
PHONE: (319)293-3777  
FAX: (319)293-3776

VOLT.	120-1-60
AMPS	22.6
BTU'S	6,000
EVAP. TEMP.	+18°

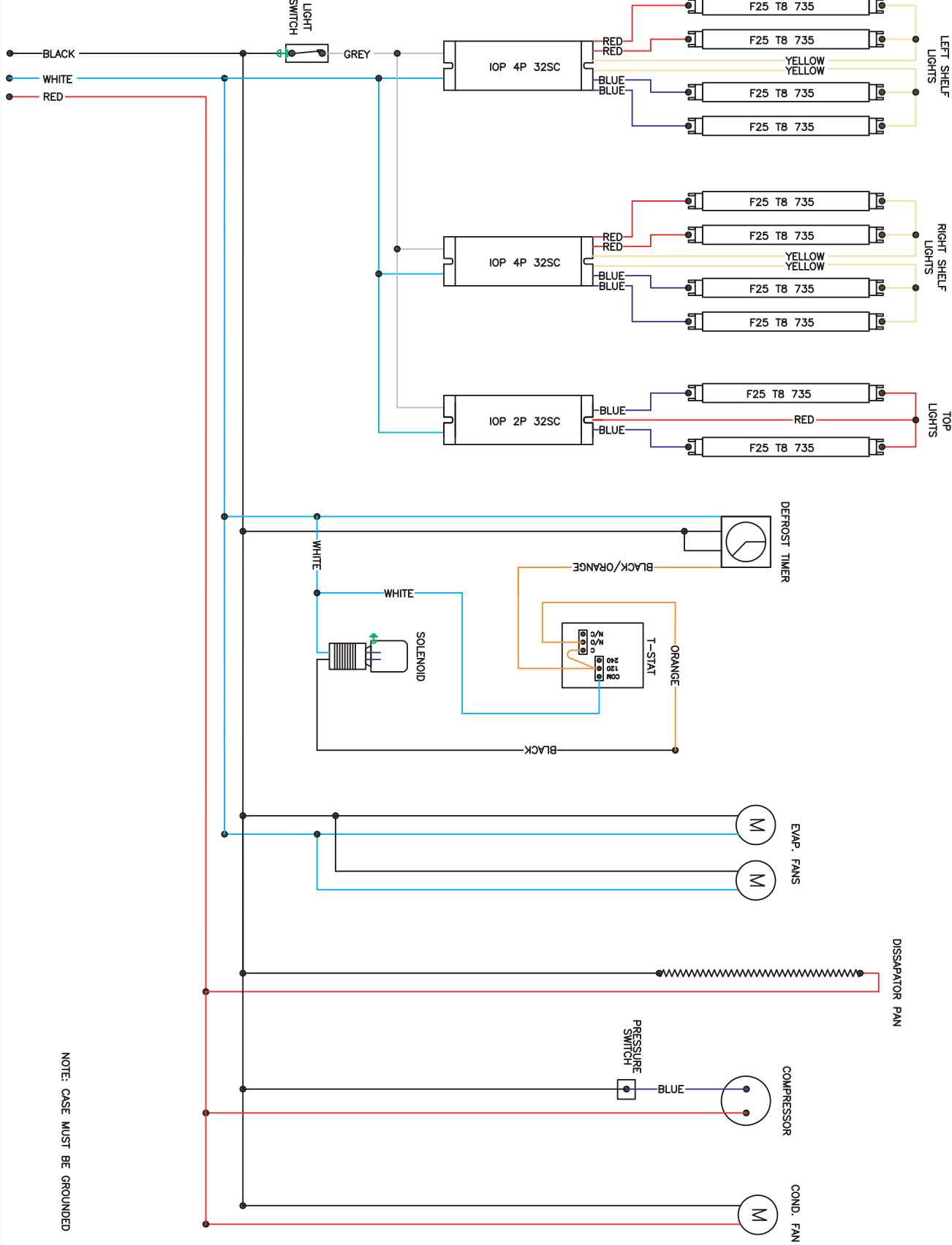


APPROVED BY



NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

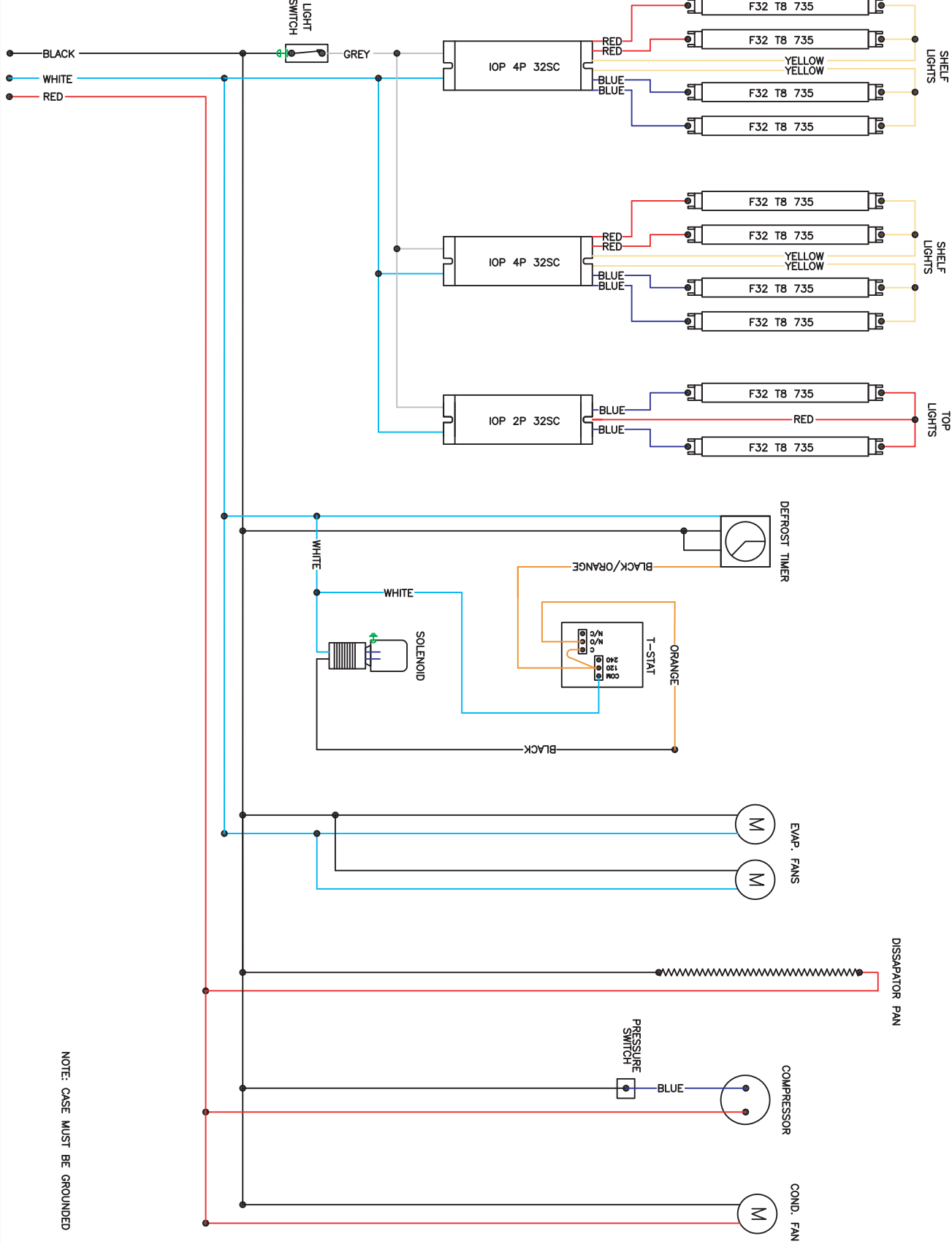
VOLT.	120-208 1-60
AMPS	15.07
BTU'S	9,000
EVAP. TEMP.	+18°



DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	Barkley	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF72-6 SC	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM					

NOTE: SHELVES ARE OPTIONAL CASE MAY OR MAY NOT BE EQUIPPED WITH UNDER SHELF LIGHTING.

VOLT.	120-208 1-60
AMPS	22.51
BTU'S	12,000
EVAP. TEMP.	+18°



DATE:	08/01/2008	REVISION	---	PROJECT #	ORDER #	Balket	P.O. BOX 478 KEOSAUQUA, IA 52565 PHONE: (319)293-3777 FAX: (319)293-3776	CUSTOMER:	PF72-8 SC	DRAWER	CP	SCALE	NONE	APPROVED BY
DRAWING #									STANDARD WIRING DIAGRAM					

# Maintenance Information

## Cleaning

### Cleaning

Readily Removable Shelving, cutting boards, and drip pans are designed to be removed without tools for cleaning. These items may also be cleaned in place.

NOTE: Shelving with light fixtures are not to be submerged in water or cleaner. Glass sneeze guards may be readily removable or may be fixed and require simple tools. Do not remove sneeze guard glass without assistance.

### Removable Components

All other components in the splash zone are removable with simple tools for cleaning or components may be cleaned in place.

NOTE: Only remote cases with washout drain pans can have a sanitized rinse or discrete flushing with a hose. All others must be cleaned by hand.

### Case Exterior

Clean surfaces frequently with warm water and mild detergent. DO NOT use strong alkali solutions, steel wool, or abrasive cleanser.

### Plexiglas Cleaning

Use any plexiglas cleaner. DO NOT use strong alkali solutions, steel wool, or abrasive cleanser.

### Evaporator Coil

Clean as needed.

### Condenser Coil

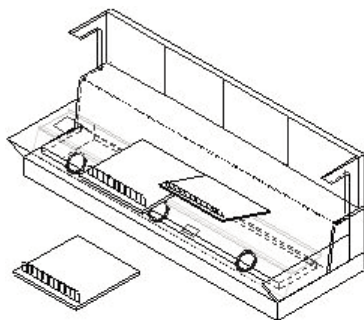
FAILURE TO CLEAN COILS WILL VOID WARRANTY. Clean condenser coil every three months or as needed with a whisk broom or vacuum. DISCONNECT POWER WHEN SERVICING. FINS ON CONDENSER COIL ARE SHARP!

### Condensate Heater (Evap-O-Way)

Add scale remover to condensate heater pan once every three months or as needed.

### Bottom Shelf Removal

To remove bottom deck raise front and lift out towards you. (See Below)



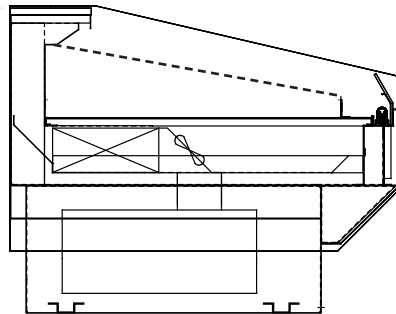
## Load Limits

DO NOT place product in merchandiser until all refrigeration controls have been adjusted and are at the proper operating temperature.

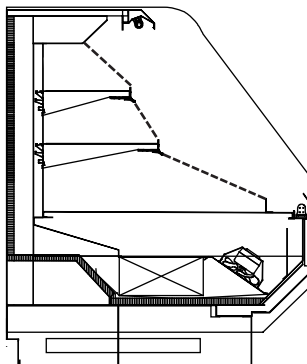
DO NOT over load shelving or place product where it may affect the air curtain.

----- Indicates load limit

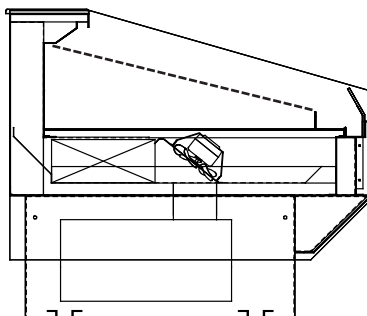
### BDPC Series



### BDPF Series

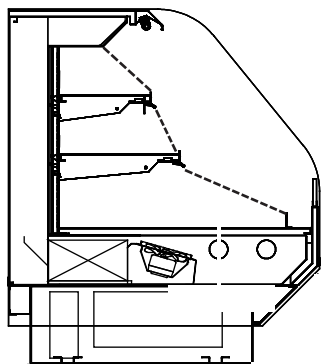


### PC Series

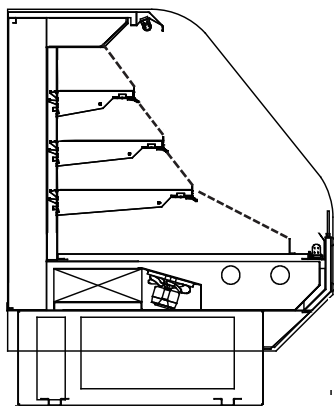


# Maintenance Information (continued)

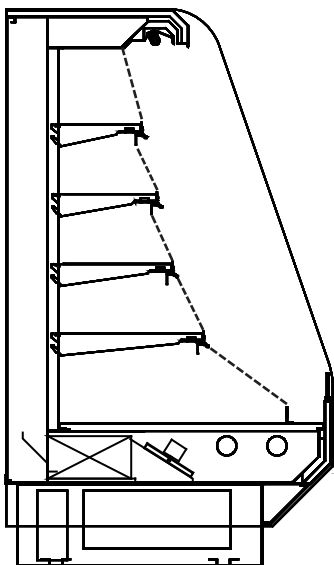
PF-48



PF-54



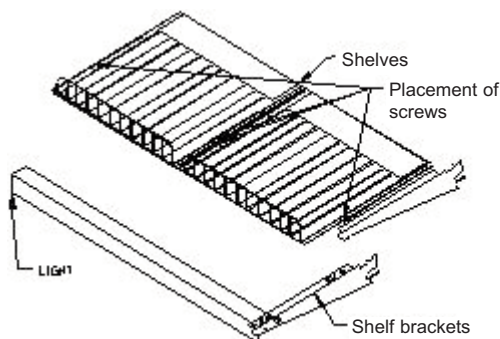
PF-72



## Shelving

### PF Wire Shelf Repositioning Instructions

1. Remove three screws from light cover as shown.
2. Pull light assembly straight out.
3. Wire shelves may be removed.
4. Remove brackets by lifting them up about 30° and pulling straight out. Reposition brackets as desired.
5. Reinstall light assembly by aligning screw holes. Replace screws.
6. Smaller shelf must be on top to guarantee proper air flow.
7. Plug cord into plug. **LIGHTS WILL NOT OPERATE IF NOT FULLY SEATED.**

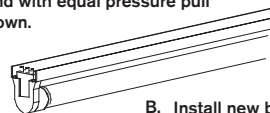


## Light Replacement

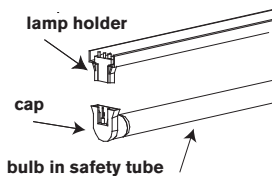
The fluorescent lights in this case are furnished with plastic safety shields and end caps. When replacing fluorescent lamps, be certain to reinstall safety shield and caps. (*See illustration*). If the bulb is not fully seated the lights will not operate. **BE SURE BULBS ARE FULLY SEATED.**

The light switch is mounted to the right side of the ceiling. See mechanical drawing for ballast box location.

- A. To remove bulb, grasp lamp holder on either end of the bulb and with equal pressure pull down.



- B. Install new bulb into the plastic safety tube protector. Insert bulb into end cap.



- C. Position the bulb and cap under the lamp holder and with even pressure press the bulb into the light fixture.

**Caution:** Failure to install bulb fully into light socket will cause premature bulb life and may cause damage to light fixture

# Service

## **WARNING!**

DISCONNECT THE ELECTRICAL POWER WHEN SERVICING OR REPLACING ANY ELECTRICAL COMPONENT.

### **Bottom Shelf and Evaporator Fan Access**

To gain access to evaporator area:

1. Remove bottom deck by lifting out.
2. Lift up on handle of pressure plate to access junction box, supply box and fans.
3. Lift up on handle of the cover to TXV valve to access TXV and Schrader valve.

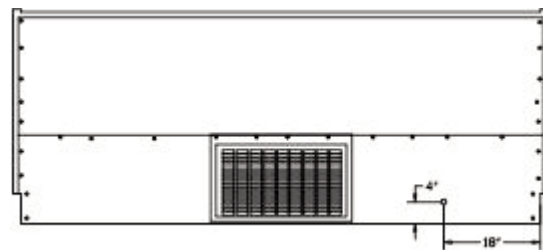


### **Condenser Area Access**

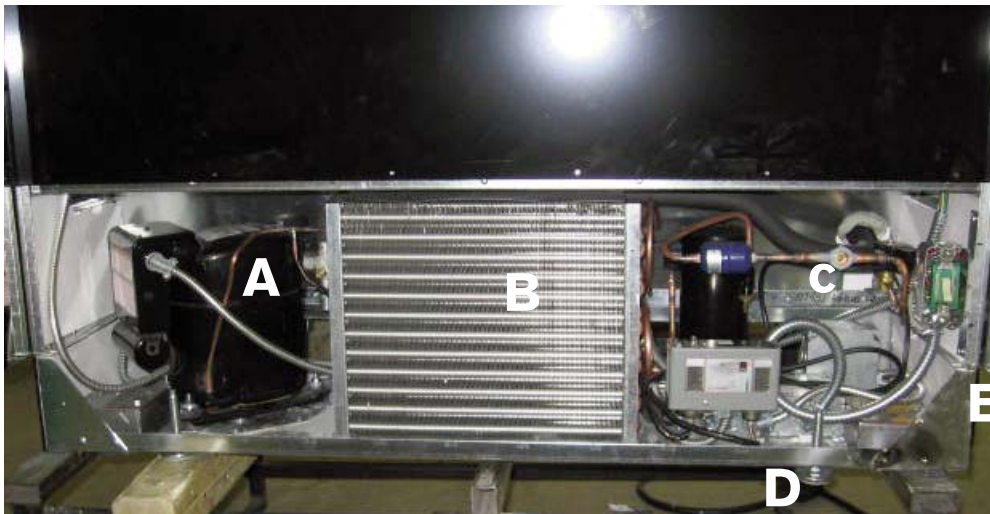
To access condenser area remove screws on bottom panel and remove panel. Note that bottom panel fits under top panel.

To reset merchandiser press P- Switch located to the right of the louvered panel as shown.

NOTE: Do not block the condenser discharge or intake



### **Compressor Area (Self contained)**



- |                   |                    |
|-------------------|--------------------|
| A. Compressor     | D. Pressure Switch |
| B. Condenser Coil | E. Power Switch    |
| C. Filter Drier   |                    |

## **Barker Specialty Products Service Department**

### **IMPORTANT INFORMATION!**

**FOR PROMPT SERVICE WHEN CONTACTING THE FACTORY FOR SUPPORT, BE SURE TO HAVE CASE MODEL AND SERIAL NUMBER HANDY.**

(THIS INFORMATION IS LOCATED ON THE DATA TAG ATTACHED TO THE CASE. SEE BELOW FOR DATA TAG LOCATIONS)

**For any warranty or service issues not covered by this manual, for tech support, or for warranty service calls, please contact the Barker Specialty Products Service Department at:**

**(319) 293-3777**

### **Parts**

#### **Ordering Procedure**

1. Contact the Service Parts Department  
Melissa Marshall  
703 Franklin Street  
PO Box 478  
Keosauqua, IA 52565  
Tel: 319-293-8323  
Fax: 319-293-8377  
[melissa.marshall@hillphoenix.com](mailto:melissa.marshall@hillphoenix.com)
2. Provide the serial number of the case containing the part.  
To locate the serial number look on the data tag located on the customer left, outside back of the case, the customer left, inside top of the case, or contact the factory for location.
3. If parts are to be returned for credit, contact the Parts Department. Do not send parts without authorization.



**BEFORE SERVICING**

**ALWAYS DISCONNECT ELECTRICAL  
POWER AT THE MAIN DISCONNECT  
WHEN SERVICING OR REPLACING  
ANY ELECTRICAL COMPONENT.**

## WARRANTY

### HEREINAFTER REFERRED TO AS MANUFACTURER

**FOURTEEN MONTH WARRANTY.** MANUFACTURER'S PRODUCT IS WARRANTED TO FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL USE AND MAINTENANCE FOR A PERIOD OF FOURTEEN MONTHS FROM THE DATE OF ORIGINAL SHIPMENT. A NEW OR REBUILT PART TO REPLACE ANY DEFECTIVE PART WILL BE PROVIDED WITHOUT CHARGE. PROVIDED THE DEFECTIVE PART IS RETURNED TO MANUFACTURER. THE REPLACEMENT PART ASSUMES THE UNUSED PORTION OF THE WARRANTY.

**WARRANTY CLAIMS:** All claims should include: the serial number of the cabinet, proof of purchase, date of installation, and all pertinent information supporting the existence of the alleged defect. Any action for breach of these warranty provisions must be commenced within one (1) year after that cause of action has accrued.

All warranty service work must be pre-authorized by Barker Specialty Products (800-814-0446). Barker Specialty Products reserves the rights to designate the service provider, time in which labor is to be performed and specify amount of time per warranty problem.

This warranty does not include labor or other costs incurred for repairing, removing, installing, shipping, servicing or handling of either defective parts or replacement parts.

The fourteen month warranty shall not apply:

1. To any unit or any part thereof which has been subject to accident, alteration, negligence, misuse or abuse, operation on improper voltage, or which has not been operated in accordance with the manufacturer's recommendation, or if the serial number of the unit has been altered, defaced, or removed.
2. When the unit, or any part thereof, is damaged by fire, flood, or other act of God.
3. Outside the continental United States.
4. To labor cost for replacement parts, or for freight, shipping expenses, sales tax or upgrading.
5. When the operation is impaired due to improper installation
6. When installation and startup forms are not properly complete or returned within two weeks after startup.

**THIS PLAN DOES NOT COVER CONSEQUENTIAL DAMAGES.** Manufacturer shall not be liable under any circumstances for any consequential damages, including loss of profit, additional labor cost, loss of any delay in its performance hereunder due to causes beyond its control. The foregoing shall constitute the sole and exclusive remedy of any purchases and the sole and exclusive liability of Manufacturer in connection with this product.

The Warranties are Expressly in Lieu of All Other Warranties, Express of Implied and All Other Obligations or Liabilities on Our Part. The Obligation to Repair or Replace Parts or Components Judged to be Defective in Material or Workmanship States Our Entire Liability Whether Based on Tort, Contract or Warranty. We Neither Assume Nor Authorize any Other Person to Assume for Us Any Other Liability in connection with Our Product.

Mail approved warranty claims to the address listed below: