

FORM NUMBER: 84-195-7
DATE: 7/13/81
REVISED: 10/31/83, 2/17/84, 7/1/84

Jerry,
Please look over.
Thanks,
Donet
good
9/15

WARREN//SHERER

INSTALLATION & OPERATION MANUAL

MODEL:

**D5 D6 D6L
D6R D6RL
DAIRY-DELI**

THIS REFRIGERATOR CONFORMS TO THE COMMERCIAL
REFRIGERATOR MANUFACTURERS ASSOCIATION HEALTH AND
SANITATION STANDARD.

CRS-SI-78

WARREN//SHERER

DIVISION OF KYSOR INDUSTRIAL CORPORATION

1600 ROCKDALE INDUSTRIAL BLVD., CONYERS, GEORGIA 30207 / 404•483•5600

INSTALLATION AND OPERATING INSTRUCTIONS

FOR

D5, D6, D6L, D6R, D6RL MODELS
SELF SERVICE DAIRY CASESAPPLICATION:

The Warren/Sherer multi-shelf self-service dairy cases are designed to merchandise packaged dairy products. These cases should be installed and operated according to the instructions contained in the manual to insure proper performance. They are designed for display of products in an air-conditioned store where temperature and humidity are maintained at a maximum of 75°F dry bulb temperature, 55% relative humidity.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>SERIAL CODE DESIGNATION</u>
*D5	Front Load Dairy - Low Front Height Usually (3) adjustable shelves - 18",20",22"	745-A
*D6	Front Load Dairy - High Front Height Usually (4) adjustable shelves - 18",20",22"	735-E
D6R	Rear Load Dairy (sliding door) High Front Height Must be backed up & sealed to a walk-in cooler - Usually (4) adjustable shelves - 20",22"	759-D
D6L	Front Load Dairy - Low Front Height Usually (4) adjustable shelves - 18",20",22"	762-D
D6RL	Rear Load Dairy (sliding door) Low Front Height Must be backed up to a walk-in cooler Usually (4) adjustable shelves - 20",22"	760-D

*These models may be used for deli (processed meats) with proper BTU capacity and Warren/Sherer special hook-a-pak systems are used or a 18" and 20" shelves are used above a hook-a-pak system supplied by others.

GENERAL

These display refrigerators may be installed individually or in a continuous line-up consisting of several 8-foot and 12-foot sections by using a joint trim kit. A plexiglass divider kit must be used between cases operating on different refrigeration systems. Divider will be factory installed if specified on order.

SHIPPING DAMAGE

All equipment should be examined for shipping damage before and during unloading. If there is any damage, the carrier should be notified immediately and an inspection requested. The delivery receipt "must" be noted that the equipment was received damaged. If damage is of a concealed nature you must contact the carrier immediately or no later than three (3) days following delivery. A claim must be filed with the carrier by the consignee for all damages.

LOCATION

This refrigerator must be located on a firmly based floor and leveled within plus or minus 1/16". Use shims provided to level your refrigerator.

JOINING

Two or more fixtures of like models can be joined together to form a continuous line-up. Instructions for joining fixtures are included in the joint kit. Before lining up refrigerator, inspect refrigeration lines, electrical connections and controls to insure refrigerators are in proper line-up and are in the proper sequence.

Note: THESE REFRIGERATORS ARE LINED UP AT THE FACTORY AND ARE NUMBERED.
INSURE THEY ARE LINED UP IN THE FIELD IN THE SAME SEQUENCE NUMBER.

WASTE OUTLET

The D6 & D6R cases are equipped with a 1-1/2" M-NPT waste outlet connection which terminates in the center of the refrigerator below the insulated bottom. The water seal is installed on the cases. The D5 cases are equipped with a 1" F-NPT waste outlet. The water seal is shipped loose.

INSTALLING DRIP PIPE

Improperly installed drip pipes can seriously effect the operation of this equipment and result in increased maintenance costs.
Listed below are some general rules for drip pipe installation.

1. Never use a double water seal.
2. Never use a pipe smaller than the size pipe or water seal supplied with the equipment.
3. Always provide as much as fall as possible in drip pipe. (1" fall for each 4' of drip pipe).
4. Avoid long runs in drip pipe which make it impossible to provide maximum fall in pipe.
5. Provide a drip space between drip pipe and floor drain or sewer connection.
6. Do not allow drip pipe to come in contact with uninsulated suction lines, which will cause the condensation from your refrigerator to freeze.

CLEANING

To insure minimum maintenance cost, cabinet should be thoroughly emptied and washed out every three (3) months. The exterior should be washed weekly. A mild soap and water solution is recommended for painted surfaces of the cabinet. Do not use cleaners containing abrasive materials which will scratch or dull finish. The waste outlet should be flushed with a bucket of water following each cleaning.

Caution: Never introduce water into the fixture faster than the waste outlet can carry it away.

When cleaning lighted shelves, wipe down with a wet sponge or cloth so that water does not enter the light rails. DO NOT USE A HOSE OR SUBMERGE SHELVES IN WATER. BE SURE REFRIGERATION IS SHUT-OFF AND ALL ELECTRICAL IS OFF BEFORE WASHING YOUR REFRIGERATOR.

LOADING

Merchandise should not be placed in the fixture until all controls have been adjusted and the refrigerator is at proper temperature.

At no time should the fixture be stocked beyond the load line or over the front edge of adjustable shelves. In doing so, you will seriously affect the performance which will result in higher product temperatures and increase operating costs.

ELECTRICAL

All field installed wiring must comply with the NATIONAL ELECTRICAL CODE AND LOCAL CODES.

ELECTRICAL RACEWAY

An electrical raceway is provided with each refrigerator for running your fan, anti-sweat heaters, and defrost circuits from case to case without using conduit. This applies, of course, when the front panel is properly secured into position. This is an approved method by the Underwriters' Laboratories; however, wiring must be run in accordance with local and national electrical codes.

ELECTRICAL CONNECTIONS

All field connections are made in the electrical raceway.

Make sure that proper voltage is supplied to your refrigerator. Check refrigerator nameplate for the required voltage for fans, anti-sweat heaters, lights and defrost heaters. ALL REFRIGERATORS MUST BE GROUNDED.

Fan motors must operate continuously and panel must be marked sufficiently to prevent the fan motors and anti-sweat heaters from being turned off accidentally. When refrigerators are multiplexed, add the total of these amperage values to determine wire size and circuit protection. Anti-condensate controllers can be used to control the anti-condensate heater.

On electric defrost models, the defrost heater amperages of all cases on defrost circuit should be added together, and if their rating exceeds the defrost time clock or condensing unit breaker capacity, a defrost relay and circuit breaker must be employed and furnished by others. Make sure that proper wire size and branch circuit protection are employed for safe operation.

Chart #1 shows the electrical ratings for your refrigerator. This is the same information that appears on your refrigeration nameplate.

REFRIGERATION FAN MOTORS

The fan motors employed are permanently oiled for the life of the motor and requires no periodic maintenance. They are wired according to the enclosed wiring diagram and MUST RUN CONTINUOUSLY.

ANTI-SWEAT HEATERS

These heaters are placed in the fixture to eliminate sweat forming on certain areas of fixture. (D6R(L) only)

EXPANSION VALVE

The expansion valve furnished with your refrigerator has been sized for maximum coil efficiency. To adjust superheat, place a thermocouple under the expansion valve bulb. Read the suction line pressure as near coil as possible. (If at the condensing unit, estimate suction line loss at 2PSIG). Convert coil suction pressure to temperature. The difference between coil temperature and the thermocouple temperature is superheat. (Use average superheat when expansion valve is hunting). Do not set superheat until cases have pulled down to operating temperature and never open or close valve over 1/2 turn between adjustments and allow 10 minutes or more between adjustments. Superheat should be set to 6-8°F.

REFRIGERATION LINES

The refrigeration lines are located under the deck pans on the 8' and 12' cases. A refrigeration outlet is provided in the front RH end of the D5 & D6 cases and rear LH end of D6R. Make sure all refrigeration lines lie as close to the refrigerator bottom so as not to obstruct the air pattern or block the deck pans. See the section on "Recommended Piping Practices" for additional details on piping practices.

These 8' and 12' refrigerators have polyurethane foamed-in-place insulation. In opening a ferrule hole, simply heat a piece of copper tubing of the same size as the tubing to be employed and force it through the ferrule hole.

IMPORTANT - SEAL AROUND LINES AFTER CONNECTIONS ARE MADE. KEEP DIRECT FLAME FROM BOTTOM OF REFRIGERATOR, AS HEAT WILL DISINTEGRATE THE BOTTOM AND INSULATION. USE A HEAT SHIELD WHEN WELDING NEAR THE BOTTOM OF THE CASES.

REFRIGERANT

R-12 expansion valves are standard. If other refrigerant is used, the order must specify the expansion valve to be supplied.

HEAT EXCHANGER

Heat exchangers are standard in these refrigerators. They aid to increase operating efficiency and reduce frosting and flood-back to compressor.

OPERATION

On single condensing unit systems a thermostat should be used to control temperatures. The thermostat bulb should be mounted in the discharge air. On parallel units, temperature control can be provided by EPR valve, thermostat and liquid line solenoid or solid state low pressure controls on compressor unit. Chart #2 shows approximate settings for merchandisers. Since many variables are present in each installation, such as store temperature, length of tubing runs, temperature desired in refrigerator, etc., Chart #2 is only a guide for the installer.

DEHYDRATION OF REFRIGERATION SYSTEMS

Please read carefully before placing system into operation. After laying refrigerant lines, they should be blown out before making final connection at fixture or condensing unit. Use dry nitrogen to prevent any foreign matter being left in the lines. Keep pressure below 250 pounds. To prevent scaling due to brazing, dry nitrogen should be allowed to flow through lines while brazing operations are taking place.

After the refrigeration system has been pressure-tested and proven leak-free, it is recommended that the system be dehydrated with a vacuum pump to 1000 microns for the first two evacuations and 500 microns on the third. The triple evacuation method requires evacuating the system three successive times and breaking each vacuum with dry refrigerant. Allow the pressure to rise above atmospheric pressure.

CONTROL DESCRIPTION

OFF-TIME DEFROST

Off-time defrost is standard on these models. The fans run continuously and defrost termination is by pressure or time (fail safe). See Chart #2 for defrost settings.

ELECTRIC DEFROST MODELS

For optional electric defrost, electric heaters are utilized to melt the frost and ice on the coil. The heaters are located in the air stream under the coil. The defrost cycle is time initiated and should be temperature terminated. Case fans operate continuously in defrost and refrigeration.

HOT GAS DEFROST MODELS

On hot gas defrost models, (optional for parallel compressors operation only) hot gas is routed through the suction line and evaporator coil. It exits the coil through a by-pass around the expansion valve and heat exchanger to return to the liquid line where the "condensed" liquid is used to feed the other cases on the same parallel unit. The case fans continue to operate during defrost to warm up the drain pan and air ducts. The defrost cycle is time initiated and should be temperature terminated.

SPECIAL REQUIREMENTS FOR REAR LOAD MODELS - Rear load models must be installed and sealed to a walk-in cooler. The cooler BTU load should be sized as a free standing cooler and for approximately 36° temperature.

The base rail below the case must be insulated and sealed to prevent any air leakage out of the cooler. Make sure refrigeration access holes are sealed. The rear sliding doors must be closed at all times except when stocking from the rear for proper case operation.

THERMOSTAT LOCATION

For convenience, the thermostat (if utilized) is located at the left end of the case in the canopy light rail. Adjustment access is between the light tubes. If the case is equipped with a defrost terminator, it will be located in the same area. Should the thermostat have to be replaced, remove the canopy lights for access.

Chart #1

<u>Model</u>	<u>Evaporator Fans (Amps)</u>	<u>Anti-Cond Heater (Amps)</u>	<u>Lights (Amps)</u>
D5 8	1.6	---	1.6 (2)
D5 12	2.5	---	2.1 (2)
D6, D6L 8	1.0	---	2.1 (3)
D6, D6L 12	1.5	---	4.2 (3)
D6R, D6RL 8	1.5	1.0	2.1 (3)
D6R, D6RL 12	2.0	1.5	4.2 (3)

Notes

- 1) For each lighted shelf, add 0.7 amps per shelf
- 2) Values shown are for one row canopy lights - standard
- 3) Values shown are for two rows of canopy lights - standard
- 4) Add to above if front nose light is utilized
8' .8 amps
12' 1.3 amps

Nose light cannot be added to D6L or D6RL.

Chart #2

Recommended Control Settings

<u>Model</u>	<u>Refrigerant & Applicant</u>	<u>LP Control</u>		<u>EPR Valve</u>	<u>Thermostat (Disc. Air Temp)</u>	
		<u>Cut-out</u>	<u>Cut-in</u>		<u>Cut-out</u>	<u>Cut-in</u>
D6, D6L	R-12 - Dairy	15 PSIG	28 PSIG	19#	28	32
D5	R-12 - Dairy	12 PSIG	25 PSIG	17#	28	32
D6, D6L	R-502 - Dairy	46 PSIG	60 PSIG	50#	28	32
D5	R-502 - Dairy	37 PSIG	58 PSIG	45#	28	32
D6	R-12 - Deli	12 PSIG	28 PSIG	15#	24	28
D5	R-12 - Deli	10 PSIG	22 PSIG	14#	24	28
D6	R-502 - Deli	40 PSIG	60 PSIG	43#	24	28
D5	R-502 - Deli	33 PSIG	54 PSIG	42#	24	28
D6R, D6RL	R-12 - Dairy	12 PSIG	28 PSIG	15#	28	32
D6R, D6RL	R-502	40 PSIG	60 PSIG	43#	28	32

<u>Model</u>	<u>*Defrost Periods Frequency</u>	<u>Pressure Termination</u>		<u>Fail Safe Setting Time Off</u>
		<u>R-12</u>	<u>R-502</u>	
D5,D6,D6L	4	45#	90#	40 min.
D6R, D6RL	6	45#	90#	40 min.

<u>Model</u>	<u>*Defrost Periods Frequency</u>	<u>Temperature Termination (1)</u>		<u>Fail Safe Setting Hot Gas Electric</u>
		<u>(1)</u>	<u>60°F</u>	
D5,D6,D6L	4		60°F	20 min. 30 min.
D6R, D6RL	6		60°F	20 min. 30 min.

(1) Temperature measured in discharge air

* Defrost frequency is at design conditions. Higher temperature or humidity may require more frequent defrost setting.

Parts List

D6, D6L, D6R, D6RL - 8'

Description	Part No.	D6	D6L	D6R	D6RL
EXPANSION VALVE	3A11-23	1	1	1	1
EVAP FAN MOTOR	9A10-17	2	2	3	3
EVAP FAN BLADE	9B10-21 9B10-27	2 --	2 --	-- 3	-- 3
LAMP (CANOPY)	DOUBLE ROW SINGLE ROW	10A10-58	2 1	2 1	2 1
LAMPHOLDER (PLUNG) (CANOPY)	DOUBLE ROW SINGLE ROW	10B11-19	2 1	2 1	2 1
LAMPHOLDER (STAT) (CANOPY)	DOUBLE ROW SINGLE ROW	10B11-20	2 1	2 1	2 1
BALLAST (CANOPY)	DOUBLE ROW SINGLE ROW	10D10-36 10D10-27	1 1	1 1	1 1
LAMP (SHELF)	PER	10A10-55	1	1	1
LAMPHOLDER (SHELF)	(1)	10B11-17	1	1	1
LAMPHOLDER (SHELF)	LIGHTED	10B11-18	1	1	1
BALLAST (SHELF)	SHELF	10D10-12	1	1	1
FAN WIRING HARNESS		10M10-100 10M10-81	1 --	1 --	-- 1
WIRE RACK		28G19-130	4	4	--
WIRE RACK RH		28G19-158	1	1	--
WIRE RACK CENTER		28G19-160	--	--	2
FRONT PANEL	PAINTED DANISH HERITAGE	51A12-122 53E11-197 53E11-198			
FRONT PANEL (LOW)	PAINTED DANISH HERITAGE	51A12-125 53E11-221 53E11-222		1	-- 1
CANOPY PANEL	PAINTED DANISH HERITAGE	51C12-59 53E14-74 53E14-73		1	1
KICKPLATE	PAINTED SS BRUSHED SS BRIGHT	51A12-127 55A32-224 55A32-225		1	1
COLORBAND	SS BRUSHED SS BRIGHT	55F12-83 55F12-84		1	1
RACEWAY BUMPER TRIM	SS BRUSHED SS BRIGHT	55A12-29 55A12-30	1	1	1
DECK PAN		54N18-179	4	4	--
DECK PAN LH		54N18-153	--	--	1
DECK PAN RH		54N18-154	--	--	1
RETURN AIR GRILLE		54P16-218	1	1	1
HONEYCOMB REFRIG. JET ASSY		62G15-30	2	2	2
HONEYCOMB GUARD JET ASSY		62G15-31	2	2	--
HEATER RAIL ASSY		81C10-79	--	--	1

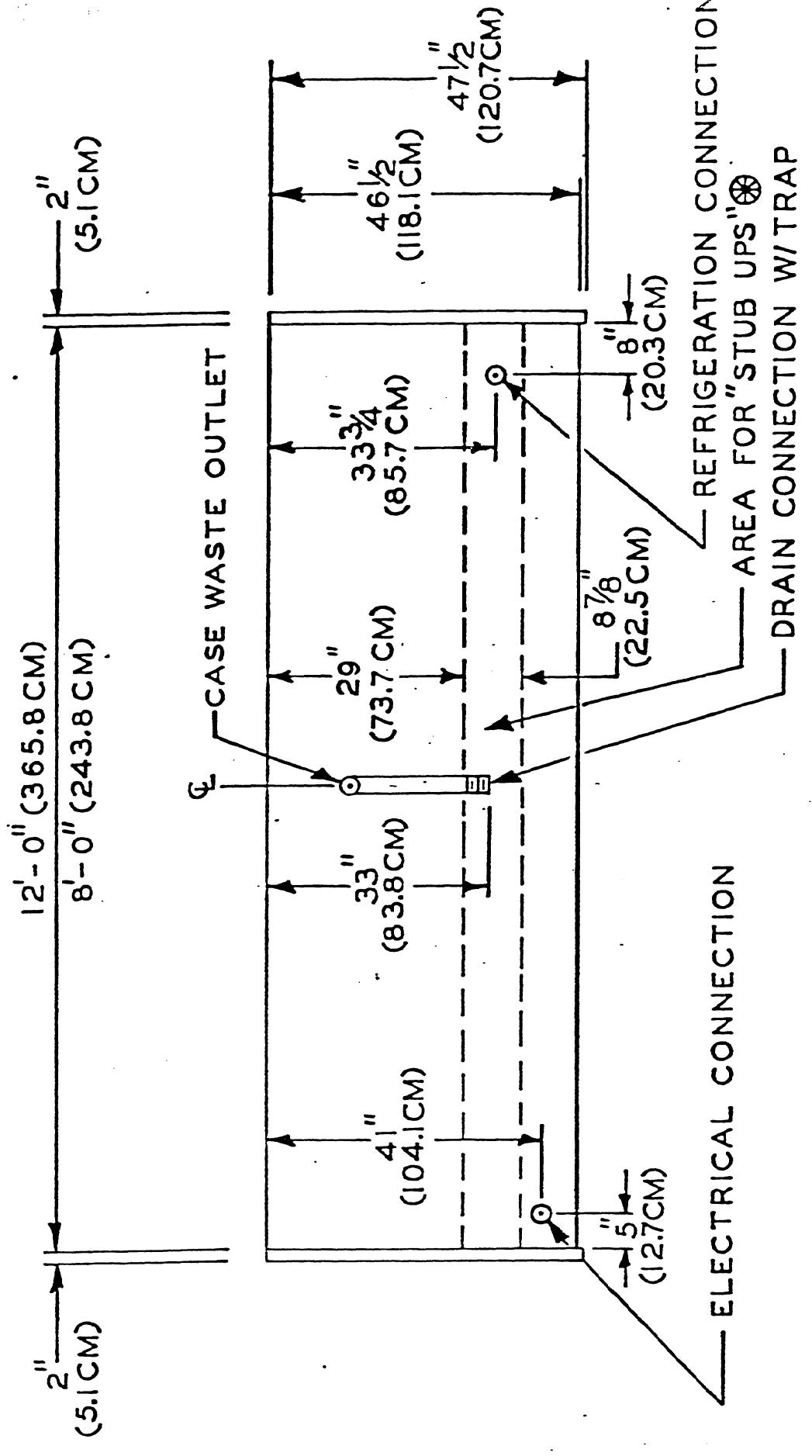
Parts List

D6, D6L, D6R, D6RL - 12'

Description	Part No.	D6	D6L	D6R	D6RL
EXPANSION VALVE	3A12-21	1	1	1	1
EVAP FAN MOTOR	9A10-17	3	3	4	4
EVAP FAN BLADE	9B10-21 9B10-27	3 --	3 --	-- 4	-- 4
LAMP (CANOPY)	DOUBLE ROW SINGLE ROW	10A10-57	4 2	4 2	4 2
LAMPHOLDER (PLUNG) (CANOPY)	DOUBLE ROW SINGLE ROW	10B11-19	4 2	4 2	4 2
LAMPHOLDER (STAT) (CANOPY)	DOUBLE ROW SINGLE ROW	10B11-20	4 2	4 2	4 2
BALLAST (CANOPY)	DOUBLE ROW SINGLE ROW	10D10-36	2 1	2 1	2 1
LAMP (SHELF)	PER	10A10-55	1	1	1
LAMPHOLDER (SHELF)	(1)	10B11-17	1	1	1
LAMPHOLDER (SHELF)	LIGHTED	10B11-18	1	1	1
BALLAST (SHELF)	SHELF	10D10-12	1	1	1
FAN WIRING HARNESS		10M10-101 10M10-82	1 --	1 --	-- 1
WIRE RACK		28G19-130	6	6	--
WIRE RACK RH		28G19-158	1	1	--
WIRE RACK CENTER		28G19-160	--	--	4
FRONT PANEL	PAINTED DANISH HERITAGE	51A14-103 53E11-199 53E11-200	1	--	1
FRONT PANEL (LOW)	PAINTED DANISH HERITAGE	51A14-107 53E11-223 53E11-224	--	1	-- 1
CANOPY PANEL	PAINTED DANISH HERITAGE	51C14-55 53E14-76 53E14-75	1	1	1
KICKPLATE	PAINTED SS BRUSHED SS BRIGHT	51A14-109 55A32-226 55A32-227	1	1	1
COLORBAND	SS BRUSHED SS BRIGHT	55F14-75 55F14-76	1	1	1
RACEWAY BUMPER TRIM	SS BRUSHED SS BRIGHT	55A14-24 55A14-25	1	1	1
DECK PAN		54N18-179	6	6	--
DECK PAN LH		54N18-153	--	--	1
DECK PAN RH		54N18-154	--	--	1
DECK PAN CENTER		54N18-155	--	--	1
RETURN AIR GRILLE		54P16-219	1	1	1
H'COMB REFRIG. JET ASSY		62G15-30	3	3	3
H'COMB GUARD JET ASSY		62G15-31	3	3	--
HEATER RAIL ASSY		81C11-79	--	--	1

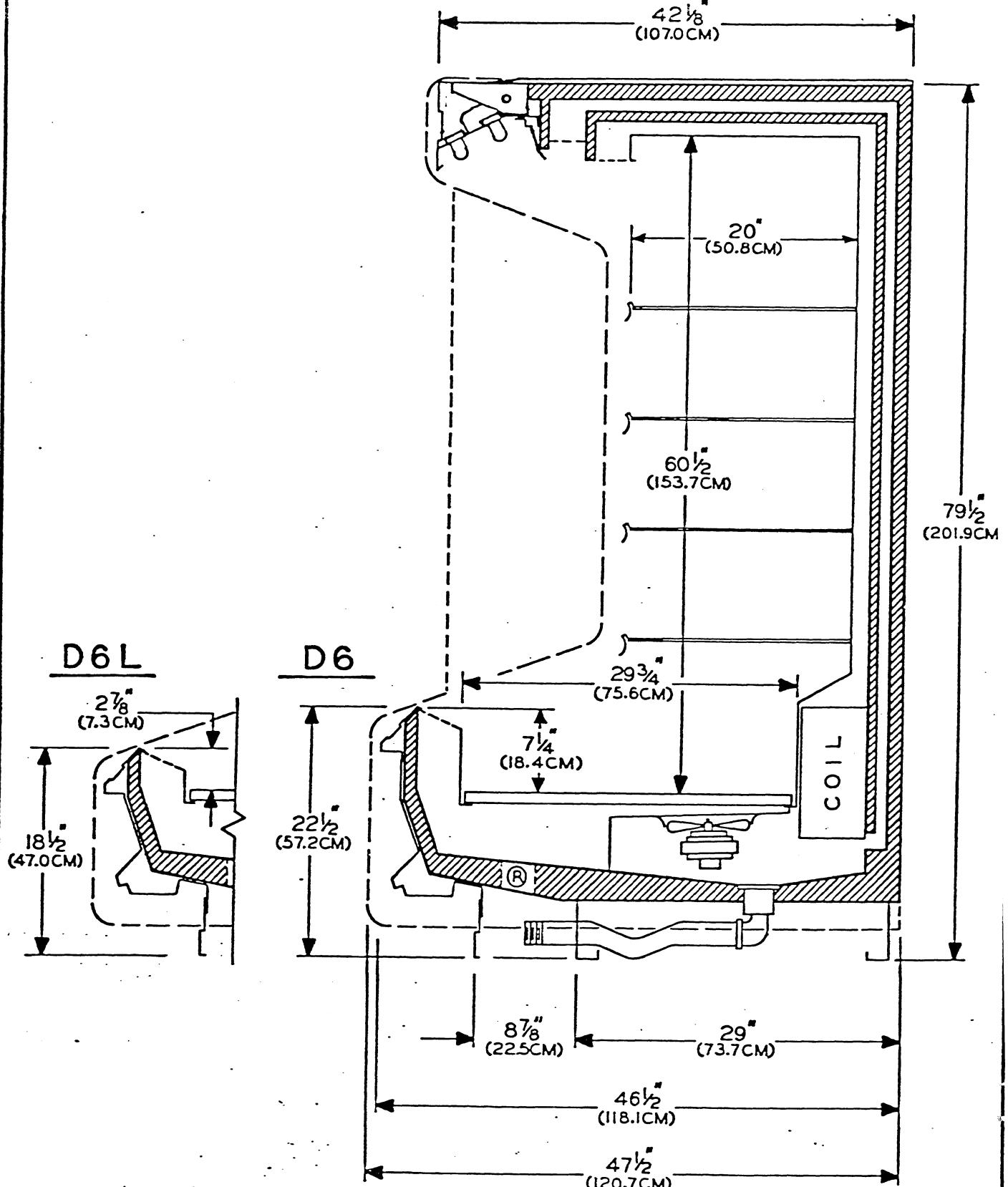
D5
Parts List

<u>Description</u>	<u>D5 8'</u>	<u>D5 12'</u>	<u>Part Number</u>
Evap Fan Mtr	2	3	3-015-01-2505
Evap Fan Blade	2	3	3-015-01-1053
Exp Valve	1	1	3A11-23
			3A12-21
Hcomb Ref Jet	2	3	3-019-05-0206
Return Air Grille	1	1	2-240-00-1939
			2-240-00-1947
Fan Wiring Harness	1	1	2-368-00-0119
			2-368-00-0127
Deck Pan	4	6	2-295-00-0364
Wire Rack	4	6	28G19-164
Lamp (canopy)	1	2	10A10-58
			10A10-57
Ballast (canopy)	1	1	10D10-27
			10D10-36
Lampholders (cnpny)	1	2	10B11-19,20
Lamp (shelf)	1	1	10A10-55
Ballast (shelf)	1	1	10D10-12
Lampholders (shelf)	1	1	10B11-17,18
Cband Bumper Trim	2	2	15J11-49
			15J11-50
Cband (ptd)	1	1	2-270-00-0751
Cband (vinyl)	1	1	2-270-00-0769
Cband (gold)	1	1	2-270-xx-5370
			2-270-xx-5390
Canopy Panel (ptd)	1	1	2-270-00-0694
			2-270-00-0702
Canopy Panel (vinyl)	1	1	2-270-00-3573
			2-270-00-3581
Front Panel (ptd)	1	1	2-270-xx-5530
			2-270-xx-5550
Front Panel (vinyl)	1	1	2-270-00-4449
			2-270-00-4456
Kplate (ptd)	1	1	2-270-xx-5570
			2-270-xx-5590
Kplate (stainless steel)	1	1	2-155-00-0041
			2-155-00-0033
			2-155-00-1106
		1	2-155-00-1098

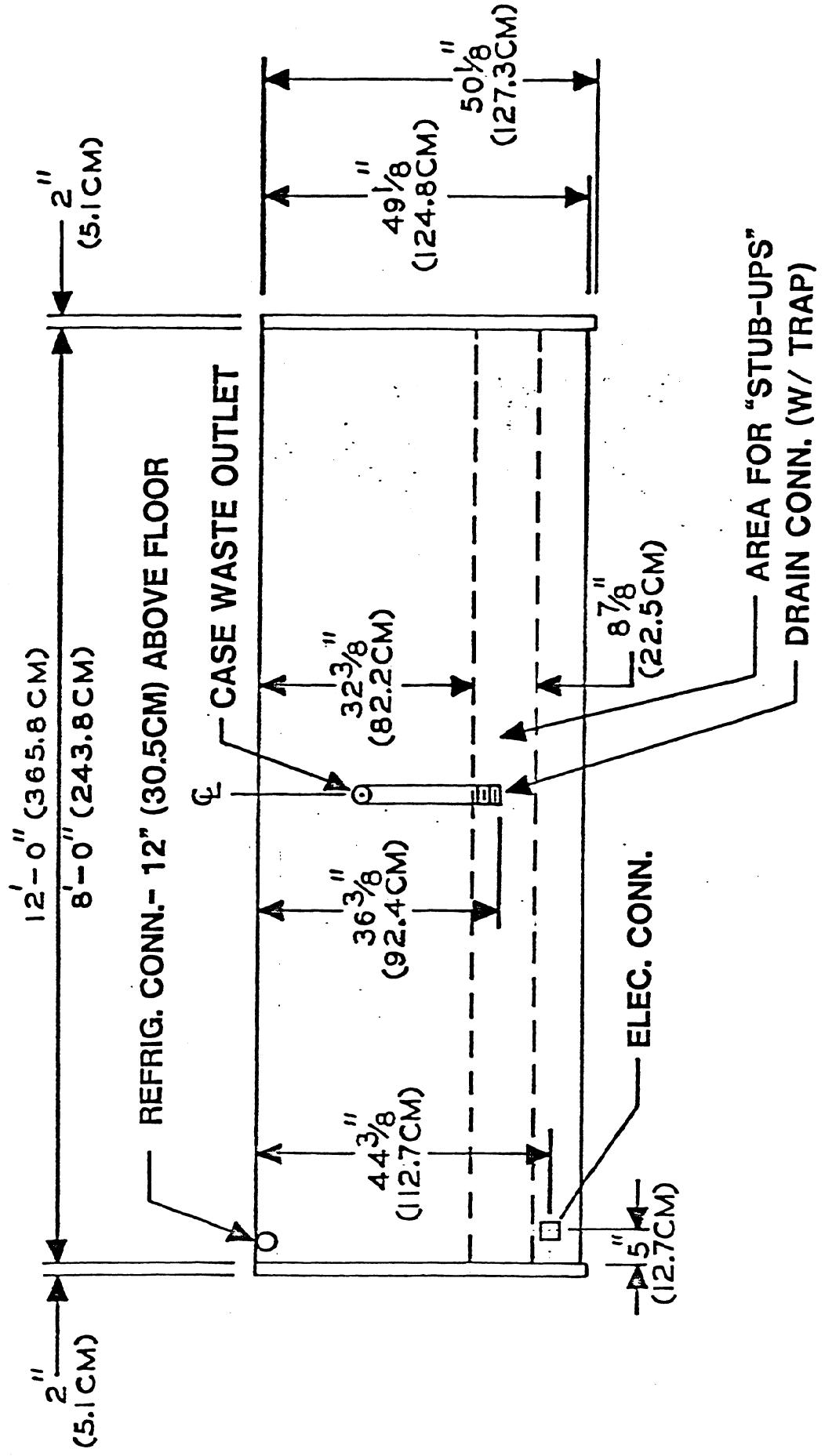


FLOOR DRAINS, REFRIG. AND
ELEC. "STUB-UPS" MUST BE
IN THIS AREA.

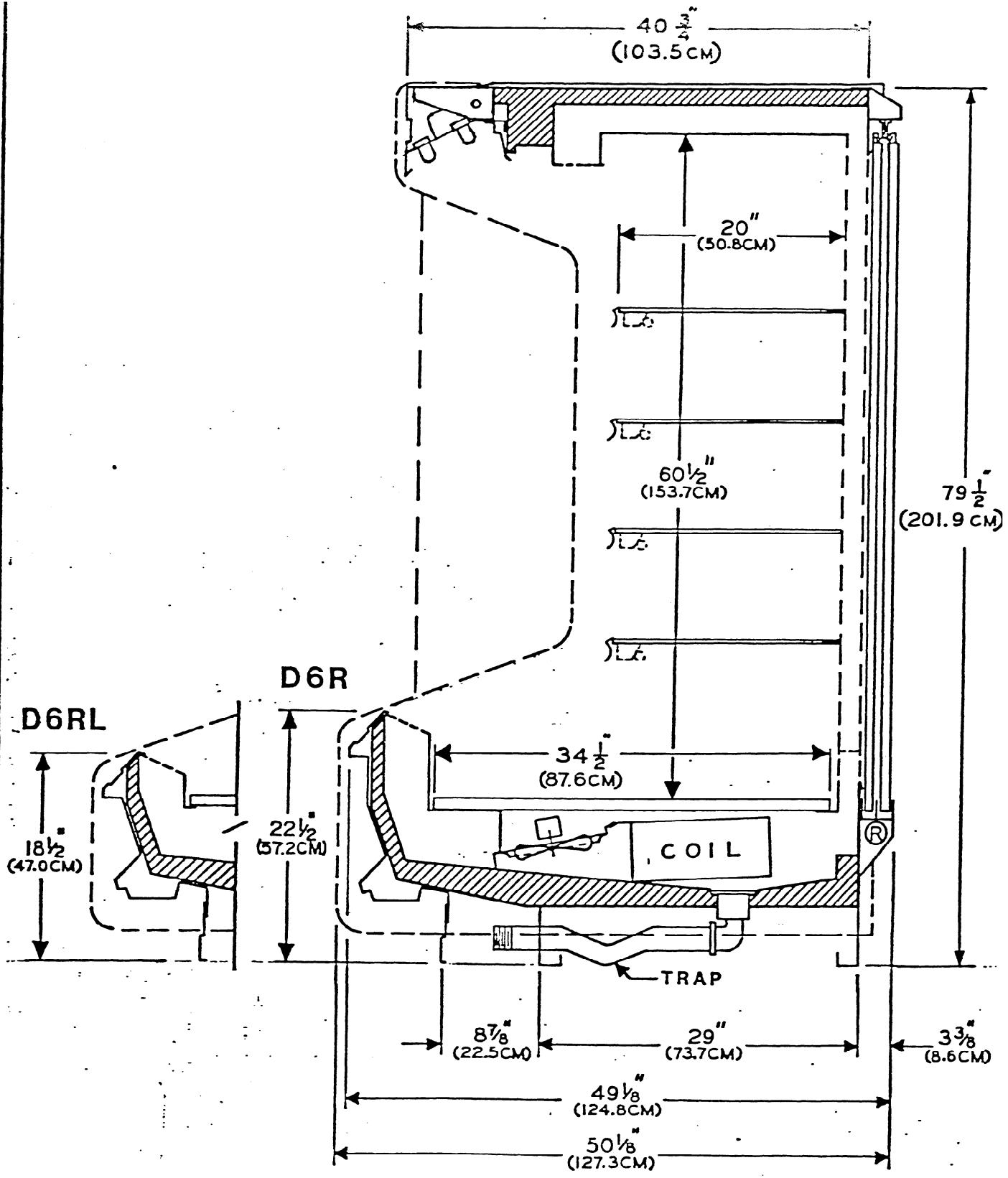
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7 FEB 83	PLAN VIEW		
SCALE 1/2" = 1'-0"	MODEL D 6 - D 6 L		
DRAWN JP	KYSOR / SHEREER	DIVISION OF KYSOR INDUSTRIAL CORPORATION	DRAWING NUMBER SA-83-601
APP'D.			



LETTER	REVISED	DATE BY
DATE 7 FEB 83	TITLE	CROSS SECTION
SCALE $\frac{1}{8}$ = 1"		
DRAWN J-P		
APPD.	MODEL D 6 - D 6 L	
KYSOR	WARRREN / SHERER IN OF KYSOR INDUSTRIAL CORPORATION	DRAWING NUMBER SB-83-601

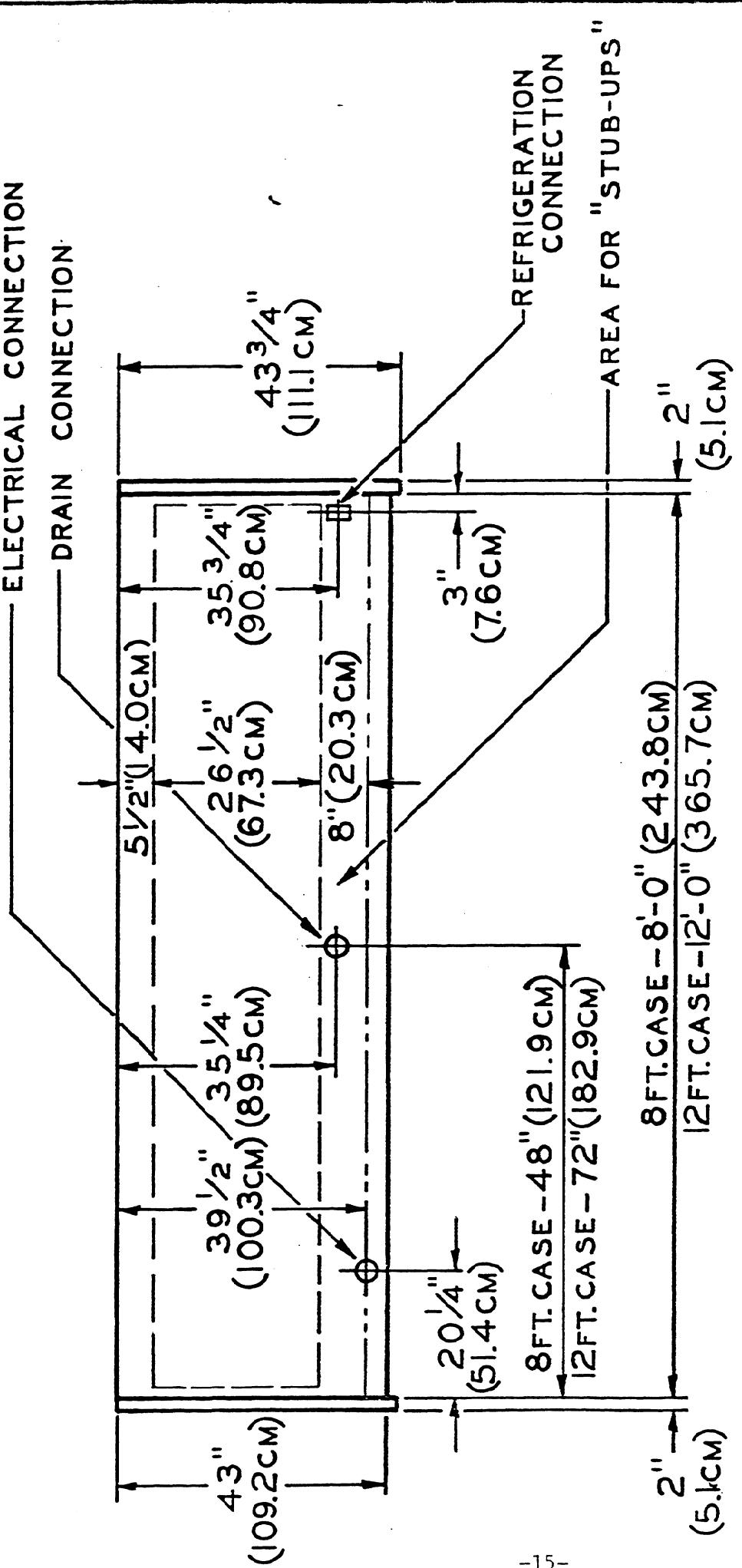


LETTER	TITLE	REvised	DATE BY
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12 MAY 83	MODEL D6R-D6RL		
SCALE 1/2" = 1'-0"			
DRAWN J.P.			
APP'D.	KYSSOR / SHERER		DRAWING NUMBER SA-83-60



LETTER	REVISED	DATE BY
DATE	TITLE	
SCALE 1/8 = 1'-0"	CROSS SECTION	
DRAWN	MODEL D6R-D6RL	
R R M		
APPD.	KYSOR / WARREN / SHERER	DRAWING NUMBER
	-14 - VISION OF KYSOR INDUSTRIAL CORPORATION	SB-83-603

ELECTRICAL CONNECTION DRAIN CONNECTION

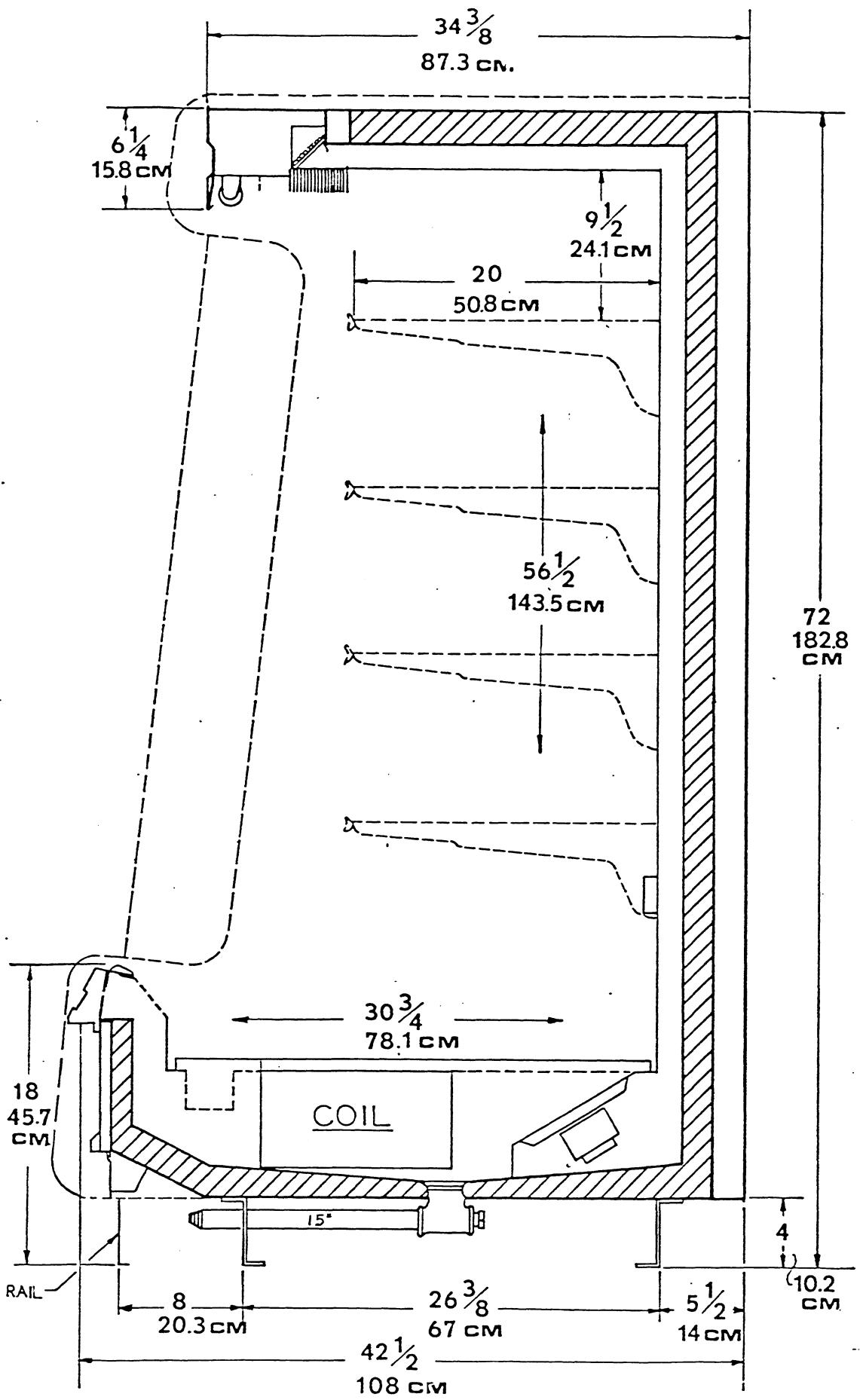


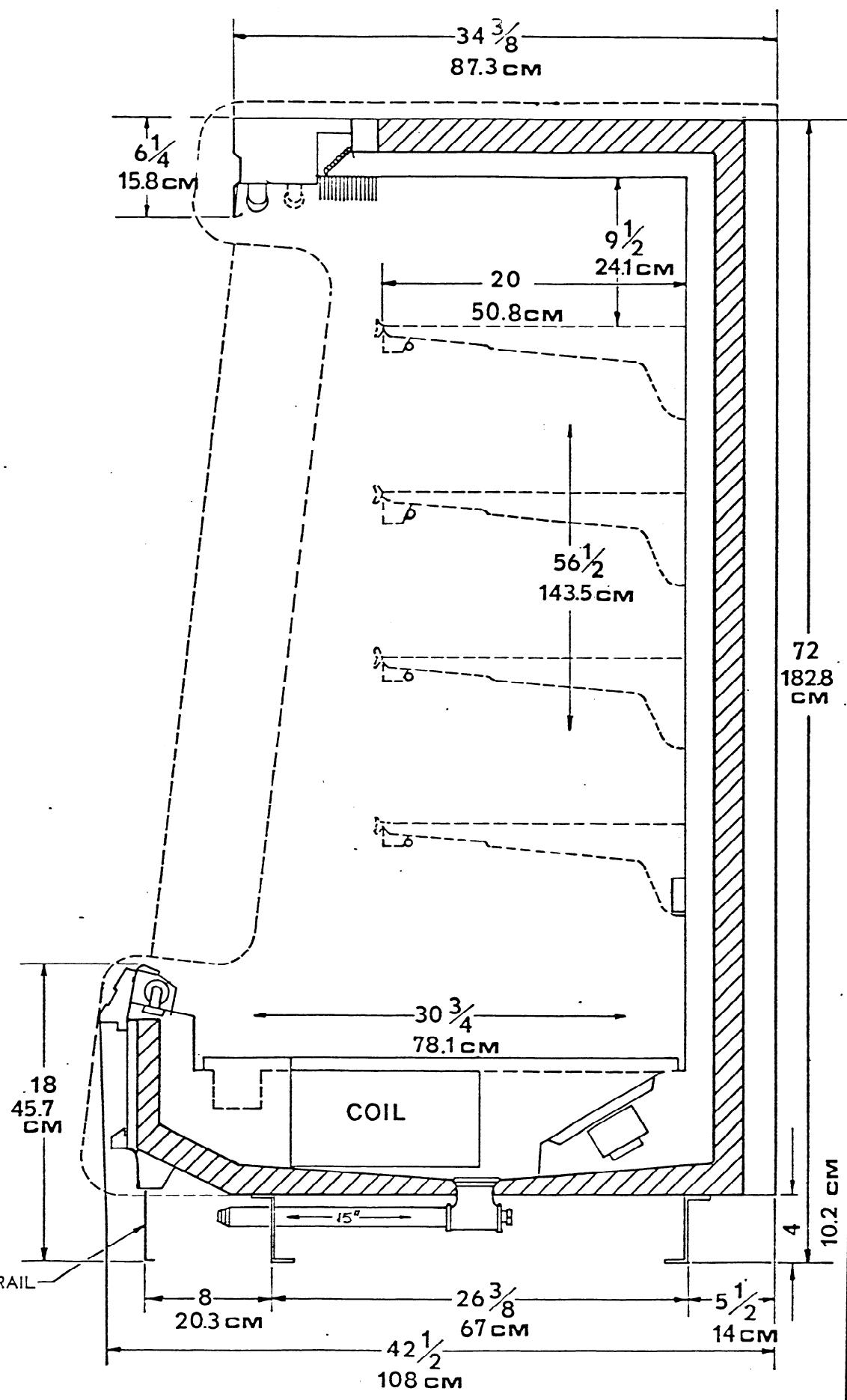
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SCALE		1/2 = 1'-0"	
DRAWN		RRM	
APPD.			

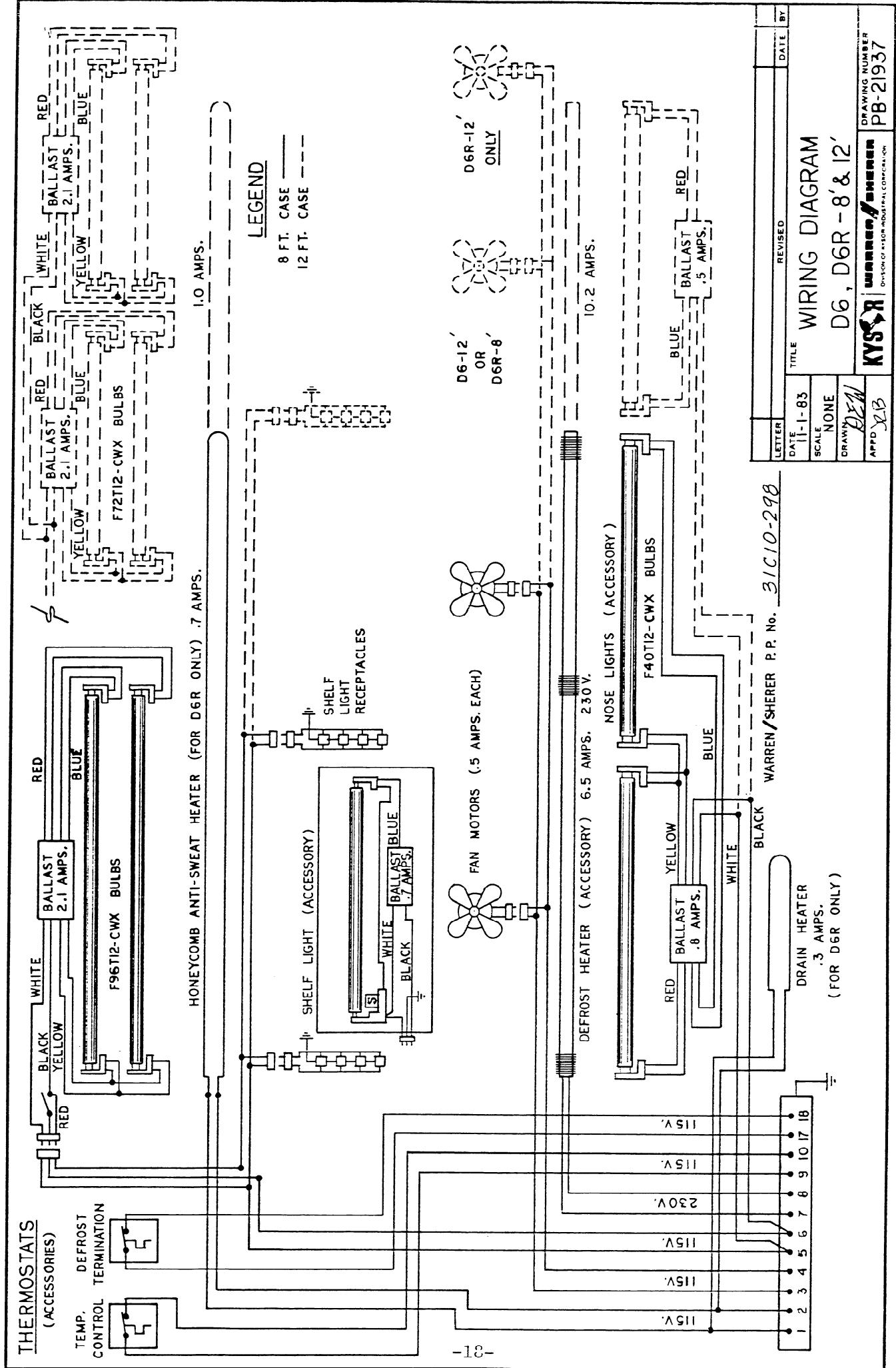
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MODEL: D5

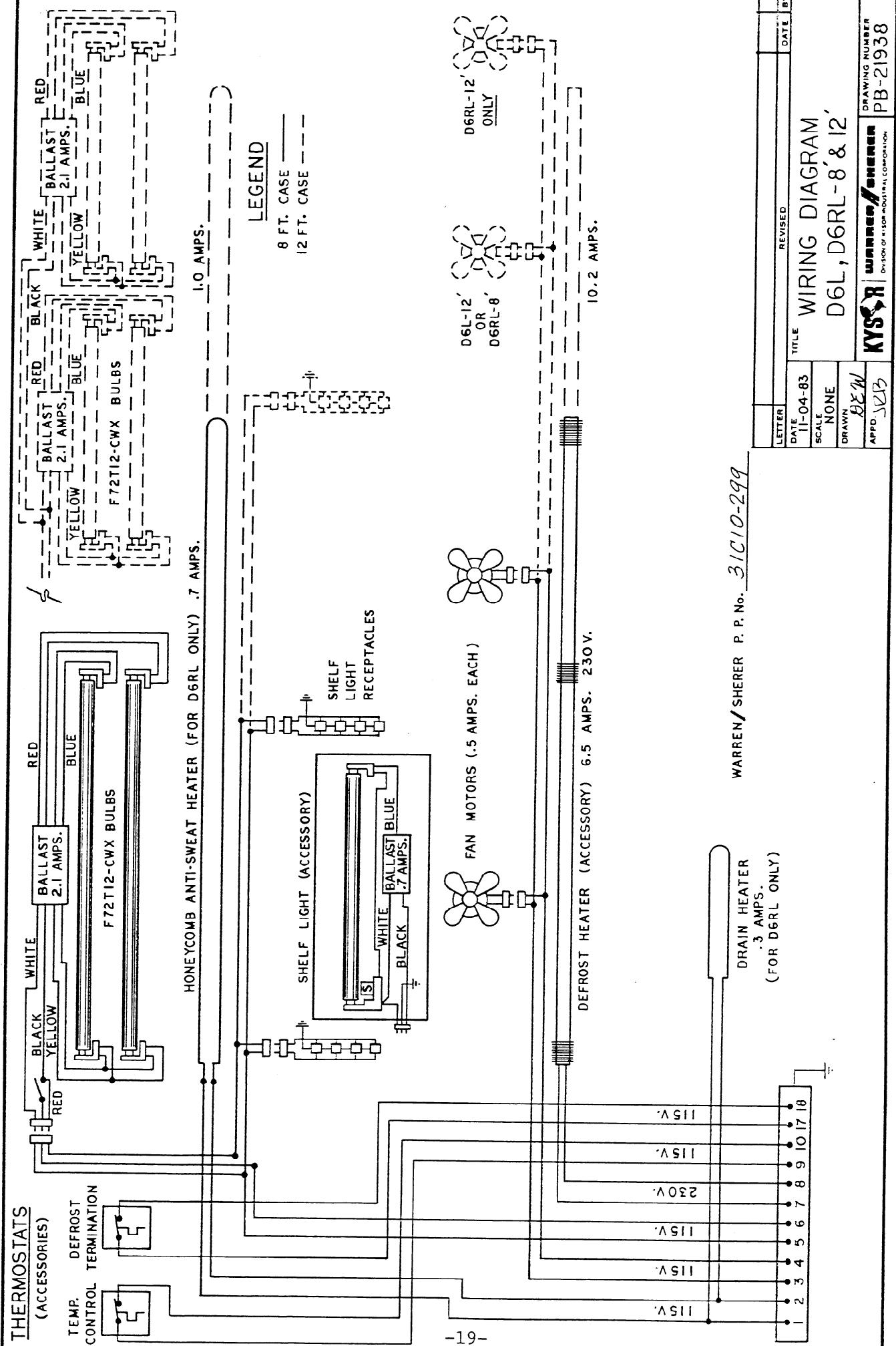
KYSOR / SHERER
DIVISION OF KYSOR INDUSTRIAL CORPORATION

DRAWING NUMBER: SA-80508

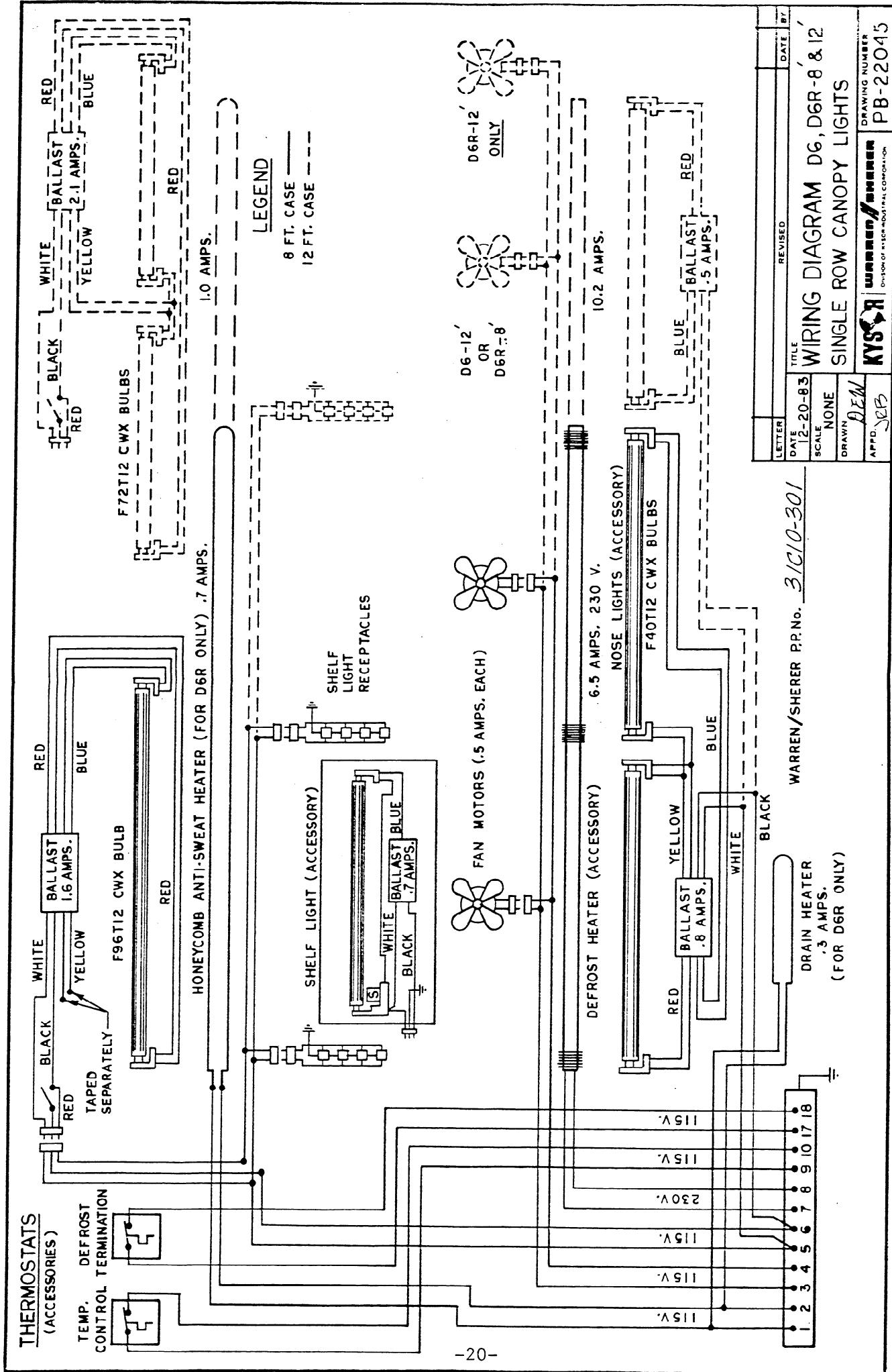


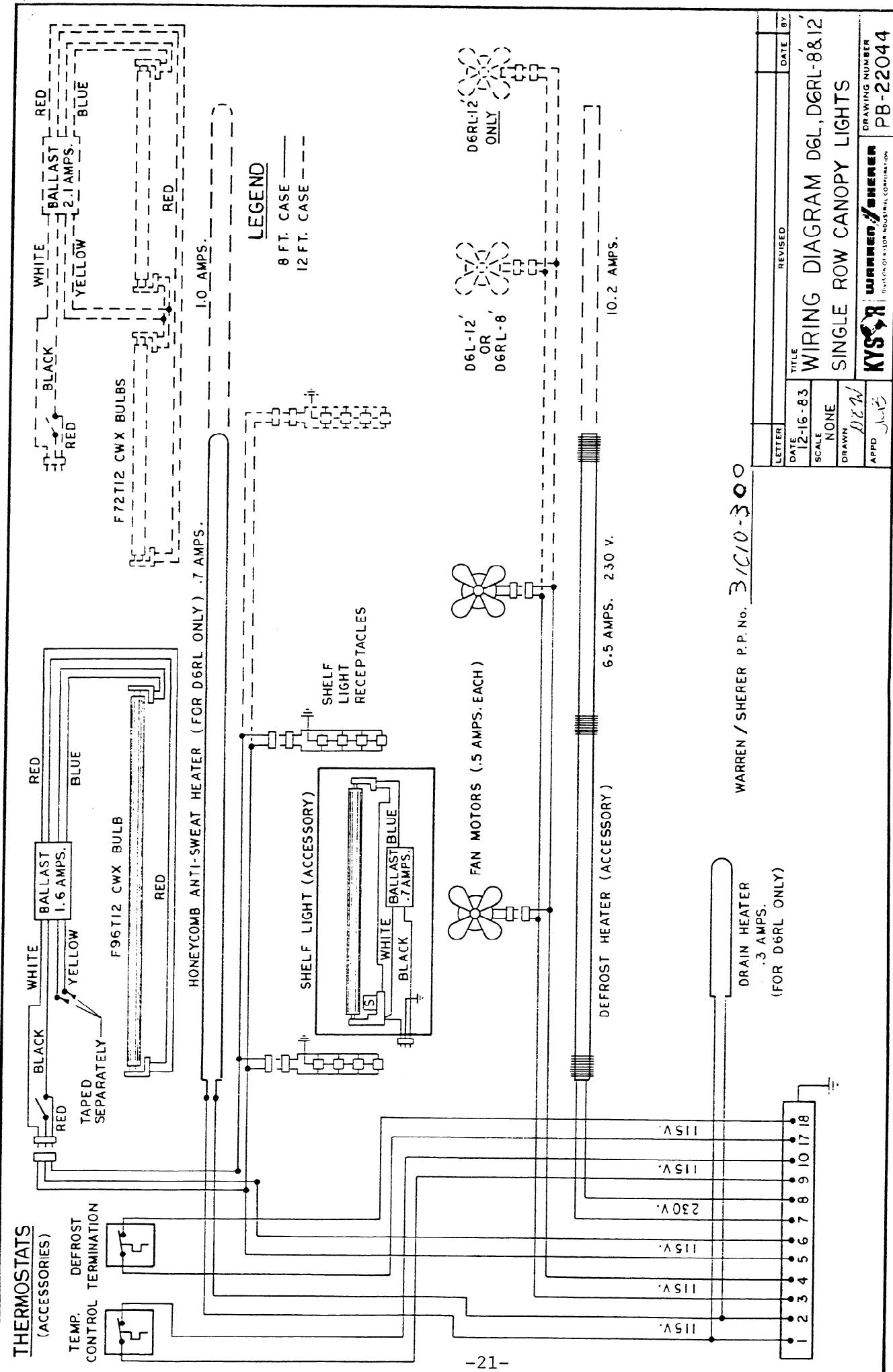




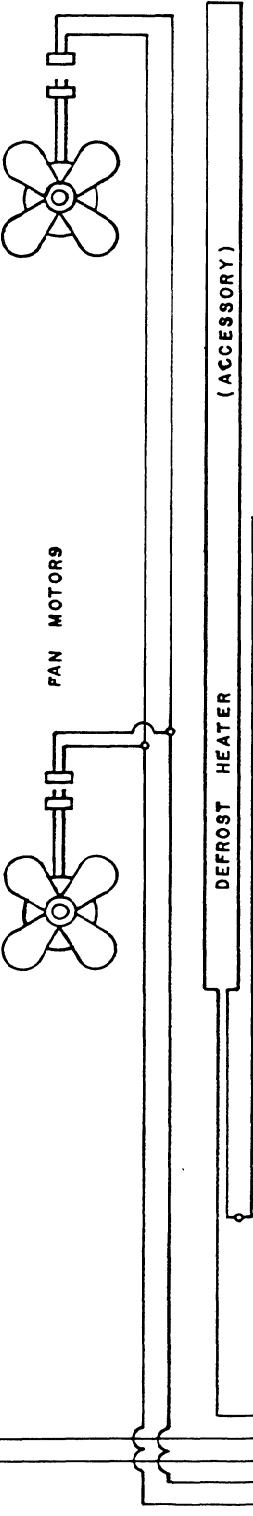
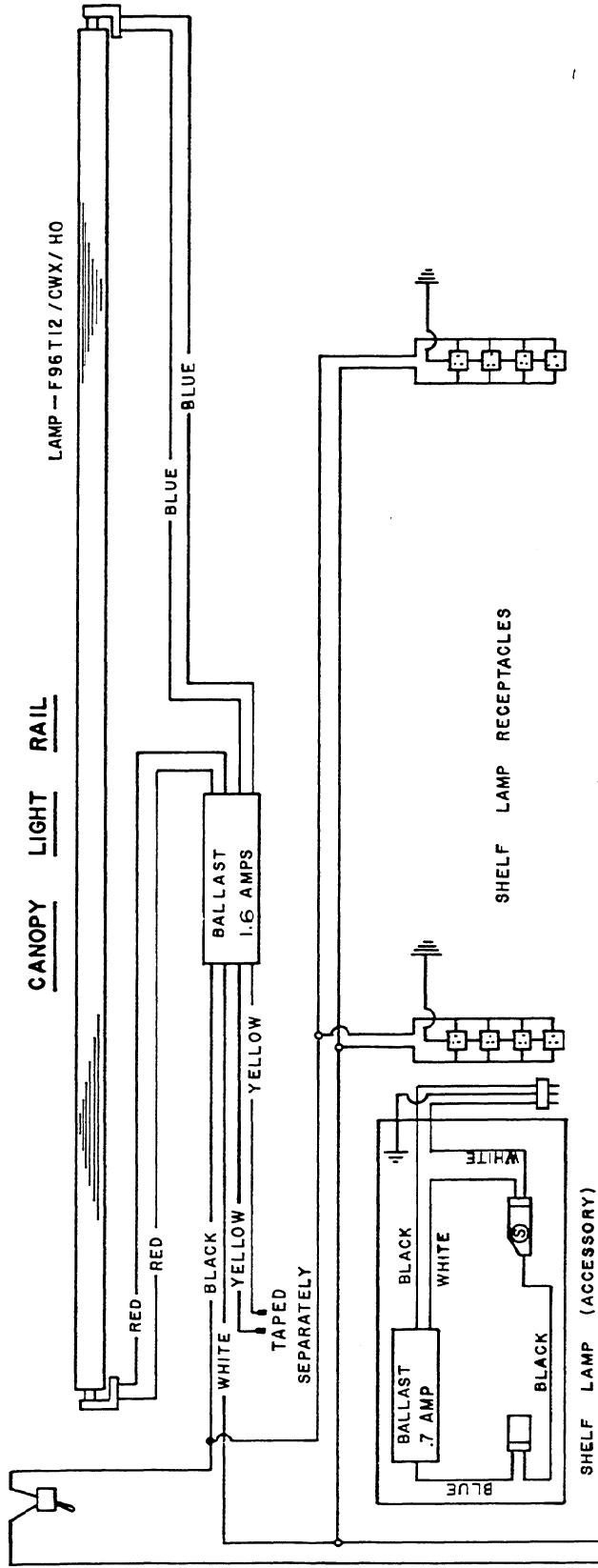


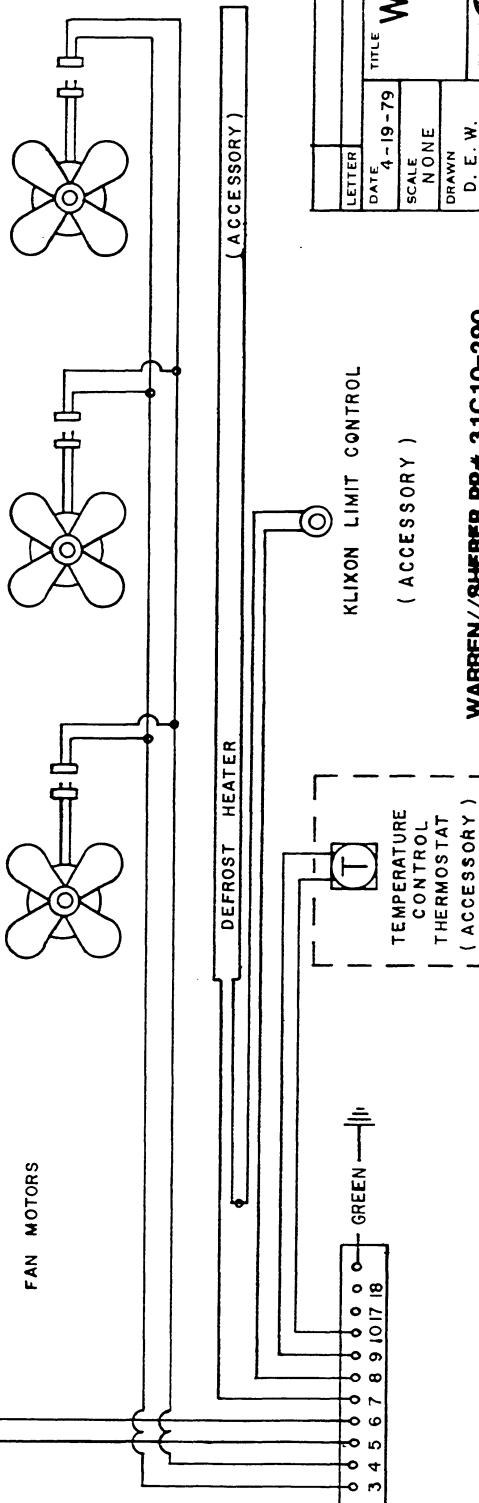
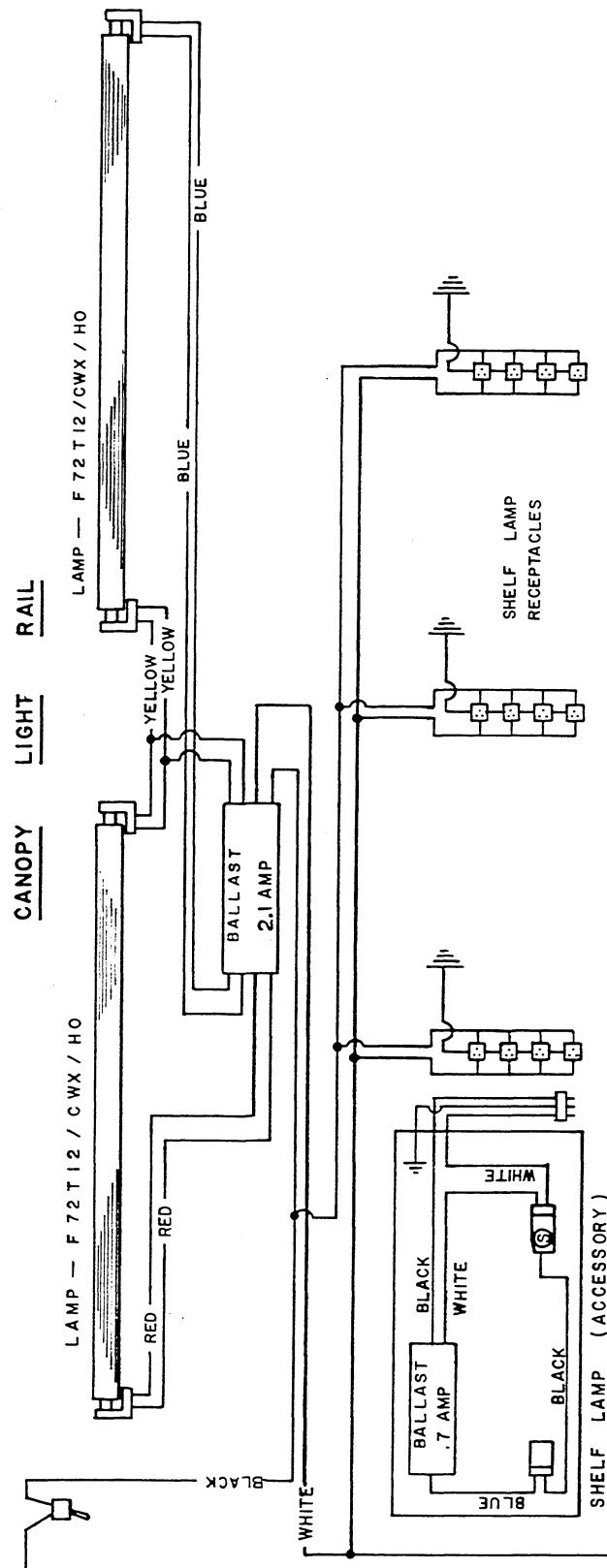
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-21-



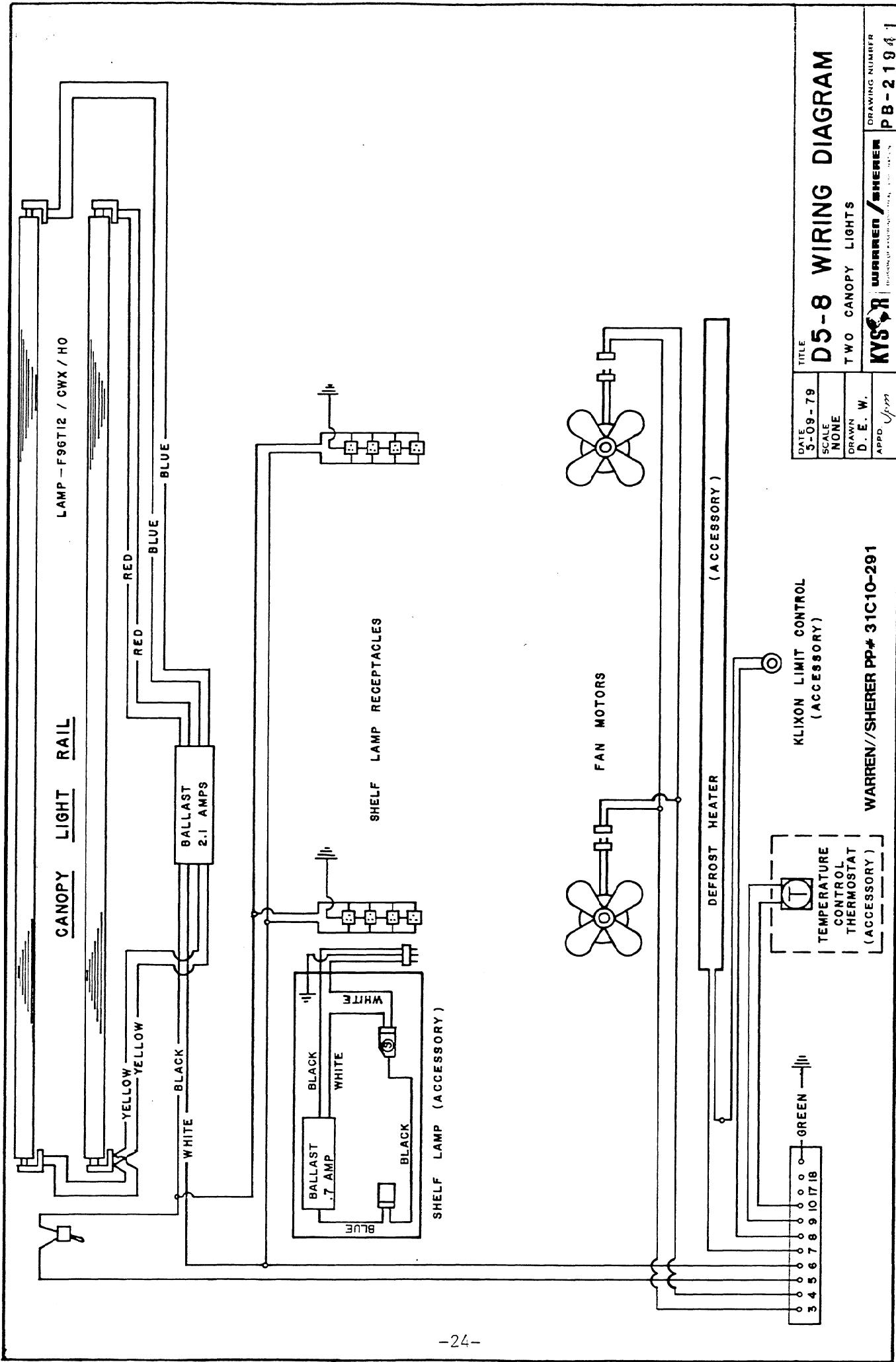


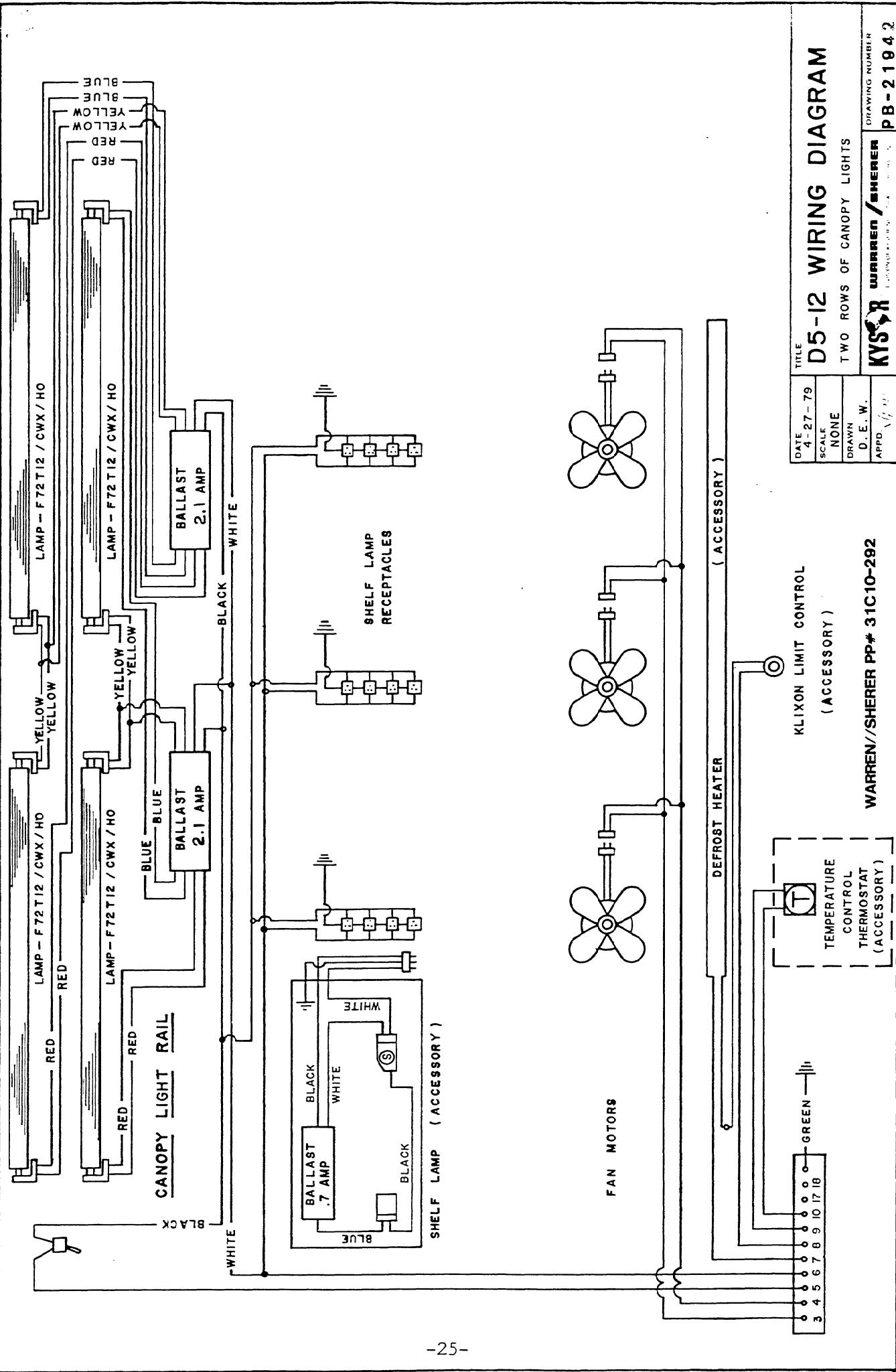
WARREN//SHEERER PP# 31C10-290

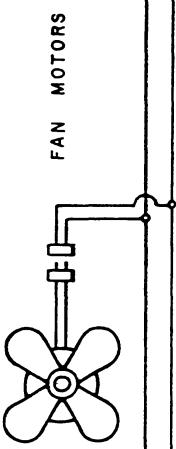
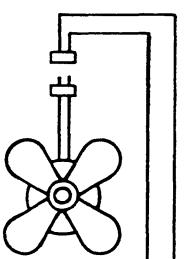
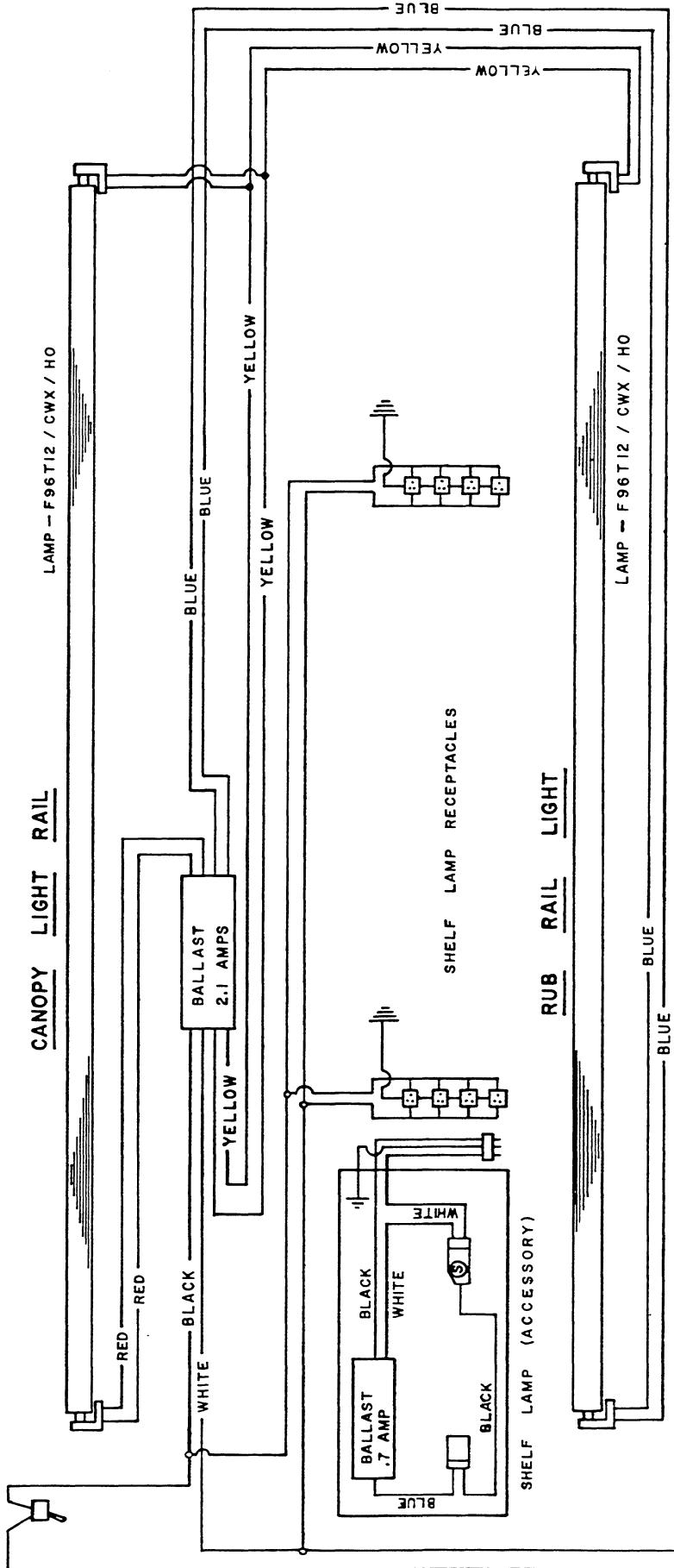
KYSER **WARRREN / SHERER** **DRAWING NUMBER** **PB-21940**

D. E. W.	KYSER	WARREN / SHERER	PB-21940
APPD. ✓/m			DRAWING NUMBER
		ONE HUN. CANTON L. LIGHT	

Digitized by srujanika@gmail.com

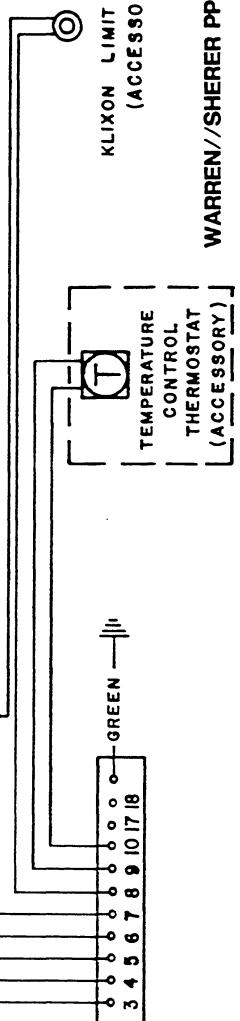






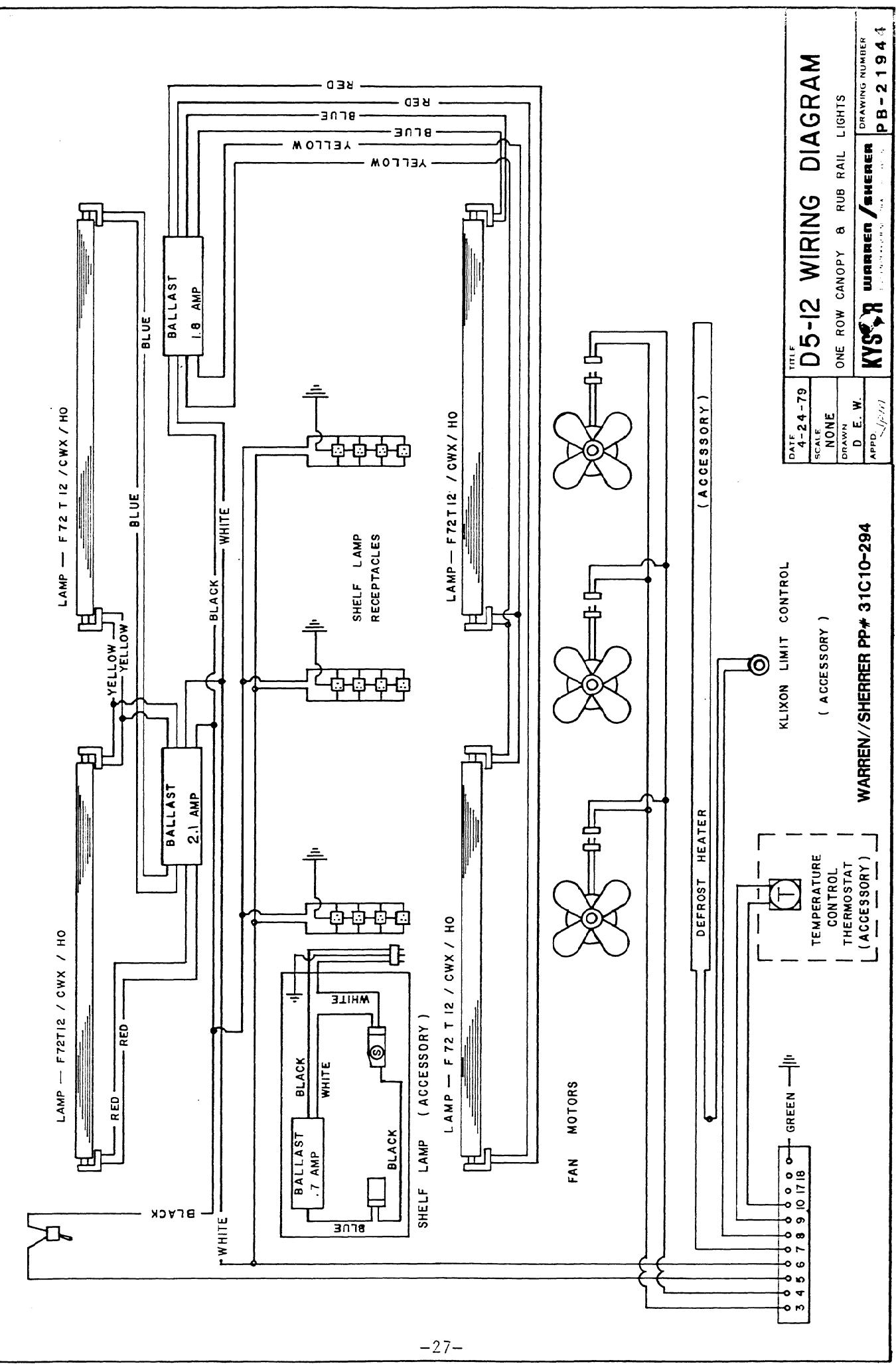
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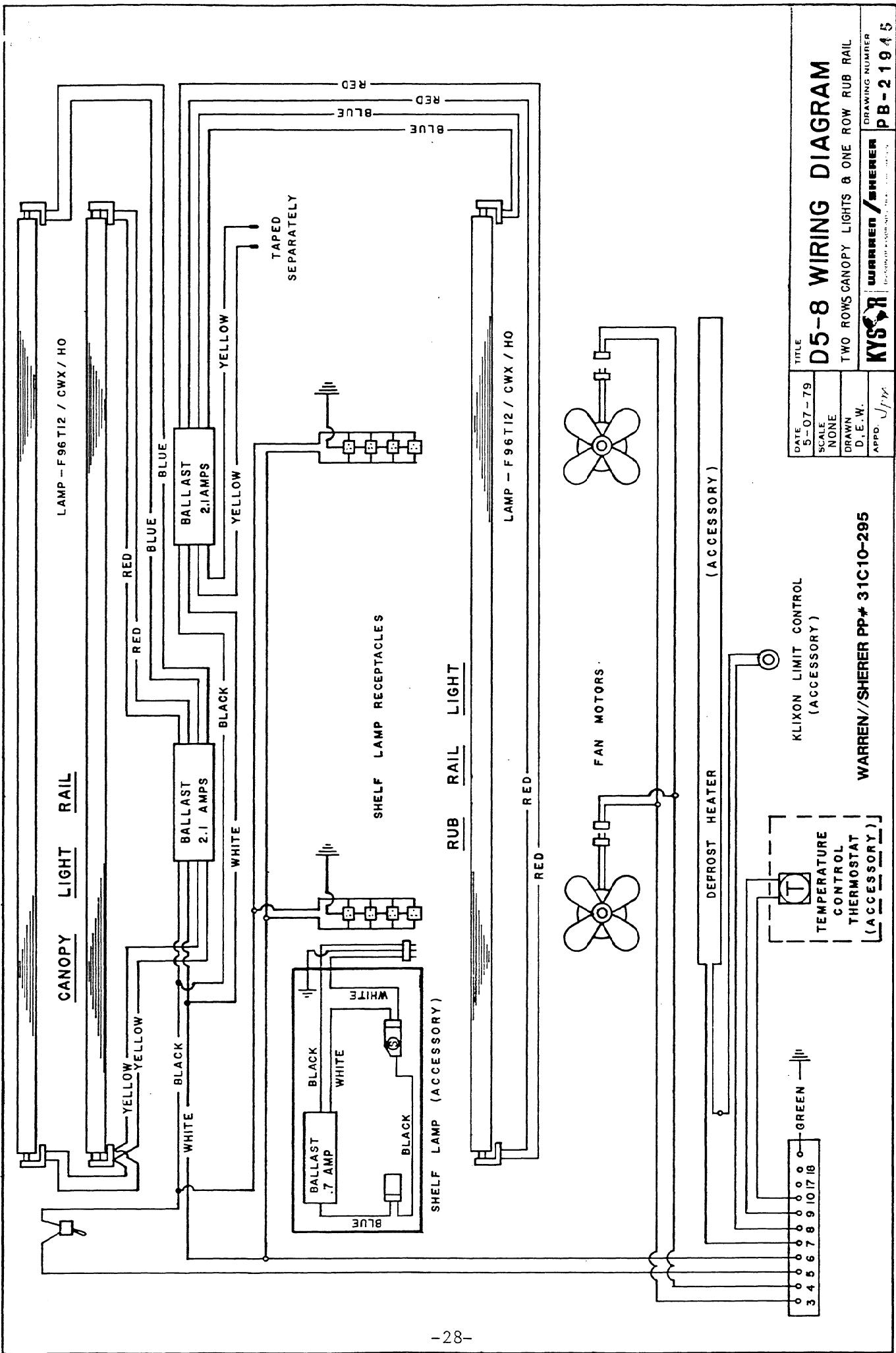
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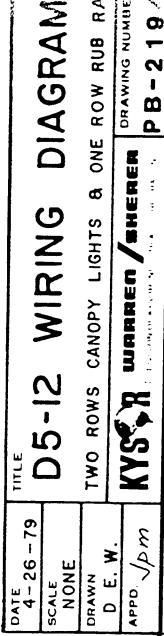
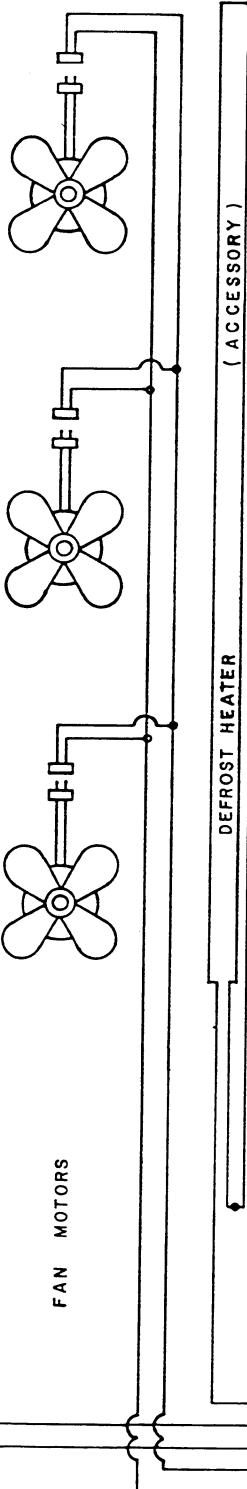
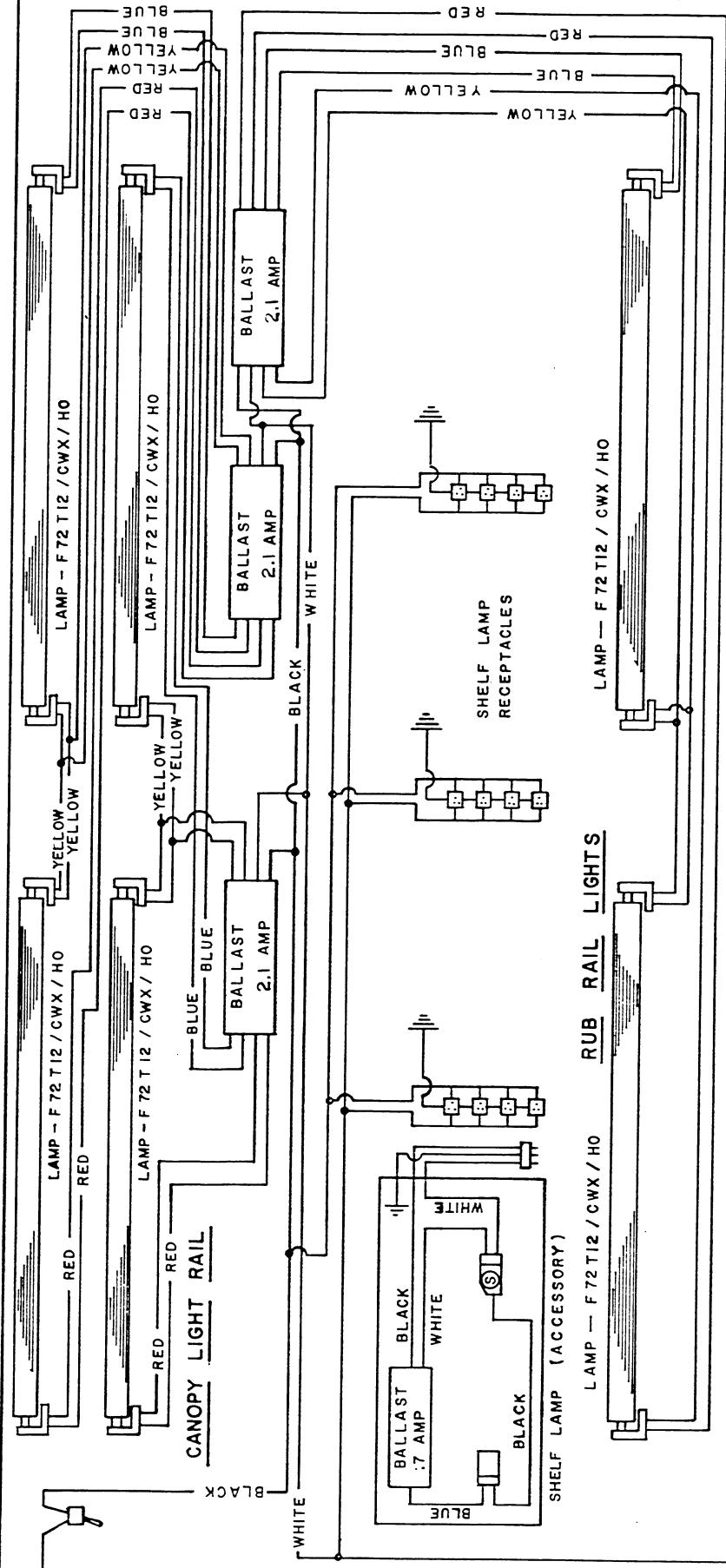


DATE	5-08-79	TITLE	D5-8 WIRING DIAGRAM
SCALE	NONE	ONE CANOPY LIGHT & ONE RUB RAIL LIGHT	
DRAWN	D.E.W.		
APPD.	J.R.		
		DRAWING NUMBER	PB - 219 & 3

WORKSHEET NO. 1 OF 2







ITEM	DESCRIPTION	PART NO.	QTY./KIT		D6L - D6RL
			D6 - D6R	KIT # (Bru.) KIT # (Brt.) KIT # (Bru.) KIT # (Brt.)	
1	NUT - TEE $\frac{3}{8}$ "-16 HEX HD $\frac{3}{8}$ " LONG	19A15-13	4	4	4
2	BOLT - $\frac{3}{8}$ "-16x $2\frac{1}{2}$ " HEX HD MACH.	20E10-12	4	4	4
3	SCREW - #10-16x $3\frac{3}{4}$ " SER PH.	21B12-15	20	20	20
4	GASKET - POLYURETHANE $\frac{3}{8}$ "X $\frac{1}{4}$ "	24C10-23	24 FT.	24 FT.	24 FT.
~	CAULKING - POLYBUTENE WAX	29B10-17	18 FT.	18 FT.	18 FT.
~	SEALER - BUTYL RUBBER	29B10-28	2 TB.	2 TB.	2 TB.
5	WASHER - ROUND SLUG TEE	54V10-13	4	4	4
6	SHIM - SHIPPING PIECE "A"	54X17-23	8	8	8
7	SHIM - SHIPPING PIECE "B"	54X17-24	8	8	8
8	TRIM - KICKPLATE JOINT	PTD.	54E18-75	1	1
9	TRIM - FRONT JOINT	REG.	BRU.	55P18-248	-
9	TRIM - FRONT JOINT	LOW	BRU.	55P18-249	-
10	TRIM - COLORBAND JOINT	BRT.	55P10-179	-	-
11	TRIM - CANOPY JOINT	BRU.	55P10-180	-	-
12	TRIM - HONEYCOMB REFR. JOINT	BRT.	55P10-181	-	-
13	TRIM - HONEYCOMB GUARD JOINT	BRT.	55P10-182	-	-
12	TRIM - HONEYCOMB REFR. JOINT	BRU.	55P12-153	-	-
13	TRIM - HONEYCOMB GUARD JOINT	BRT.	55P12-154	-	-
		BRU.	55P12-191	-	-
		BRT.	55P12-192	-	-
		BRU.	56F18-141	-	-
		BRT.	56F18-142	-	-

NOTE :
SEE PA-21559-A FOR INSTALLATION INSTRUCTION

COMMON CASE JOINT

B	REDRAWN; SUBJ. D6R & D6RL ADDED	REVISION	DATE BY
LETTER			
DATE	G-14-83	TITLE	
SCALE	None		
DRAWN	J.KRON		
APPROVED			

Joint Kit Installation
D6,D6L,D6R,D6RL

KYSSY CORPORATION
Division of K-TOR INDUSTRIAL CORPORATION

PB-21520-C

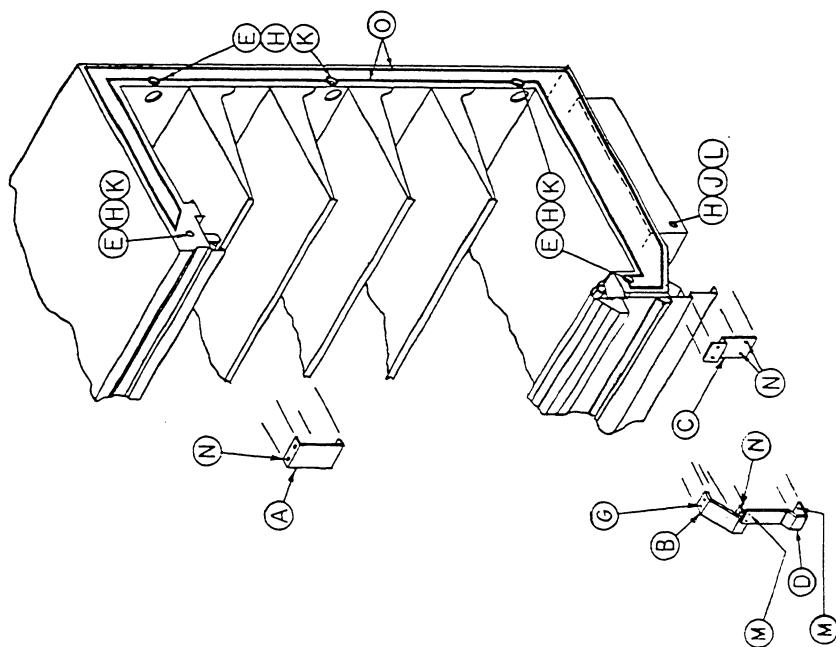
NOTES

1. FOR SIMPLIFICATION, PLACE FIXTURES AS NEAR THEIR PERMANENT LOCATION AS POSSIBLE BEFORE REMOVING SKIDS OR ROLLERS.
2. THE LEVELING OF FIXTURES IS VERY IMPORTANT. SKILLED PERSONNEL AND AN ACCURATE LEVEL MUST BE USED. WOODEN WEDGES ARE FURNISHED TO ASSIST IN THIS OPERATION.
3. AN AMPLE SUPPLY OF 1/4" ROUND SEALING COMPOUND IS SENT WITH EACH MULTIPLE INSTALLATION FOR SEALING OFF ANY AIR LEAKAGE. IT IS ESSENTIAL THAT ALL AIR LEAKS BE SEALED IN ORDER TO PREVENT OPERATING DIFFICULTIES. REMOVE ANY EXCESS SEALING COMPOUND WITH A SOLVENT SUCH AS MINERAL SPIRITS.
4. FASTEN ALL JOINT KIT PARTS WITH #21B12-17, EXCEPT AS OTHERWISE NOTED.

NOTE: JOINT KIT ASSY - SEE PB-21528-A

A	REVISED NOTE #4	10/13/81	TZA
LETTER	TITLE		
DATE	JOINT KIT INSTALLATION		
SCALE	INSTRUCTION FOR D&E		
NONE	TZA		
DRAWN			
APPD	JPM		
		DRAWING NUMBER PA-21528-A	

<u>MODEL</u>		KIT NO.	KIT NO.	KIT NO.	
<u>D5</u>		94D13-122	94D13-123		
ITEM	DESCRIPTION	BRUSHED	BRIGHT	PART NO.	QTY.
A	TRIM - CANOPY CONNECTOR	55P12-173		55P12-174	1
B	TRIM - COLORBAND CONNECTOR			55P12-162	1
C	TRIM - BASE COVER CONNECTOR	2-3555-XX-5180	2-3555-XX-5180		1
D	TRIM - LOWER FRONT CONNECTOR	55P10-162		55P10-163	1
E	WASHER - FLAT PLT'D. $\frac{1}{8}$ X $\frac{3}{32}$ X $\frac{1}{8}$	3-026-04-0802		3-026-04-0802	10
F	SCREW - #10-24 X $\frac{1}{4}$ TRUSS HD.	3-028-05-0106		3-028-05-0106	2
G	SCREW - #10X $\frac{3}{4}$ SMS SS. C.C.F.H.	29B12-19		29B12-19	2
H	NUT - $\frac{3}{8}$ -16 HEX. SCP	19A15-10		19A15-10	6
J	WASHER - $\frac{3}{8}$ CUT SCP	19B19-11		19B19-11	2
K	BOLT - $\frac{3}{8}$ -16 X 3 HEX. HD. SCP T.F.L.	20E10-20		20E10-20	5
L	BOLT - $\frac{3}{8}$ -16 X 4 HEX. HD. SCP T.F.L.	20E10-25		20E10-25	1
M	SCREW - # 8-32 X $\frac{3}{4}$ O.H.P.H.S.T.	2/A11-12		2/A11-12	8
N	SCREW - # 10-16 X $\frac{3}{4}$ P.H. P.H. TEK 2	2/B12-15		2/B12-15	20
O	SEALANT - BUTYL	29B10-28		29B10-28	1
	CAULKING PUTTY	29B10-17		29B10-17	1



NOTE: SEE PA-2/5618 DRAWING FOR INSTALLATION INSTRUCTIONS

LETTER	REvised	DATE
DATE	1-30-84	TITLE
SCALE	NONE	<u>JOINT KIT FOR</u>
DRAWN	J.KRON	<u>D5</u>
APPROVED	KYSER	
		DIVISION OF KELLOGG MOISTURE CONTROL
		DRAWING NUMBER PB-22054