

FORM NUMBER: 88-209-05
DATE: 07/27/87
REVISED: 05/23/88

WARREN//SHERER

INSTALLATION & OPERATION MANUAL

MODEL:

S39S(J) - S35S(J)
DELI - MEAT

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

RS-SI-86

WARREN//SHERER

DIVISION OF KYSOR INDUSTRIAL CORPORATION

300 ROCKDALE INDUSTRIAL BLVD., CONYERS, GEORGIA 30207 / 404-483-5600

INSTALLATION AND OPERATING INSTRUCTIONS

FOR

S39S(J), S35S(J) MODELS

SERVICE DELI/MEAT CASES

APPLICATION

The Warren/Sherer service case is designed to merchandise fresh meat and delicatessen products. The forced air model should only be used for deli, while the gravity coil model can be used for deli or fresh meat. These cases should be installed and operated according to the instructions contained in this manual to insure proper performance. They are designed for the display of products in an air-conditioned store where temperature and humidity are maintained at a maximum of 75-degree F dry bulb, 55% relative humidity.

<u>MODELS</u>	<u>DESCRIPTION</u>
S39SJ	Service Deli Forced Air Coil - 29" Front Glass Remote Refrigeration
S35SJ	Service Deli Forced Air Coil - 25" Front Glass Remote Refrigeration
S39S	Service Meat - 29" Front Glass Gravity Coil Remote Refrigeration
S35S	Service Meat - 25" Front Glass Gravity Coil Remote Refrigeration

07/27/87

Revised 05/23/88

NOTICE TO INSTALLER

CAUTION

WHEN MOVING THIS CASE LIFT IT AS EVENLY AS POSSIBLE TO PREVENT TWISTING WHICH CAN CAUSE THE GLASS TO BREAK.

WARNING

BEFORE INSTALLING THIS CASE, CHECK THE ENTIRE FLOOR SURFACE ON WHICH THE CASE WILL BE PLACED. THE ENTIRE BASE MUST BE PROPERLY SHIMMED UNDER EACH BASE LEG FRONT AND REAR TO PREVENT SETTLING AND TWISTING OF THE CASE. FAILURE TO PROPERLY SUPPORT THE BASE OF THE CASE AT EACH LEG LOCATION CAN WARP THE GLASS MOUNTING CHANNEL WHEN THE CASE IS LOADED CAUSING THE GLASS TO BREAK.

NOTICE TO OWNER OR OPERATOR

WARNING

FAILURE TO PROPERLY INSTALL AND SUPPORT THE BASE OF THIS CASE CAN CAUSE FUTURE GLASS BREAKAGE WHEN THE CASE IS LOADED AND PLACED IN OPERATION.

CAUTION

BEFORE LOADING AND OPERATING THIS CASE, CHECK TO SEE THAT THE INSTALLER HAS SUPPORTED EACH BASE LEG FRONT AND REAR. IF THERE ARE AIR SPACES BETWEEN THE FLOOR AND ANY BASE LEG, THE CASE CAN TWIST WHEN LOADED CAUSING SUBSEQUENT GLASS BREAKAGE.

GENERAL

These display refrigerators may be installed individually or in a continuous line-up consisting of several 8' and 12' 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 days following delivery. A claim must be filed with the carrier by the consignee for all damages.

NOTE: ALL CLAIMS FOR SHORTAGES MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF SHIPMENT.

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

These cases are equipped with a 1-1/2" FPI waste outlet connection which terminates in the center of the refrigerator below the insulation bottom. A 1-1/2" galvanized water seal trap is provided for field installation.

INSTALLING DRIP PIPE

Improperly installed drip pipes can seriously effect the operation of this equipment and result in increased maintenance cost. 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.

INSTALLING DRIP PIPE (Cont.)

3. Always provide as much 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 emptied and thoroughly washed out once a week. 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.

NOTE: 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 turned off and all electrical power 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 CODES AND LOCAL CODES.

ELECTRICAL JUNCTION

On these cases, an electrical junction box is provided for field connections. The junction box is located at the left rear of the case and contains the case thermostat and all lighting ballasts.

ELECTRICAL CONNECTIONS

All field connections are made in the electrical junction box.

Make sure that proper voltage is supplied to your refrigerator. Check refrigerator nameplate for correct circuits, volts, and amps. ALL REFRIGERATORS MUST BE GROUNDED.

When refrigerators are multiplexed, add the total of these amperage values to determine wire size and circuit protection.

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 (S39SJ & S35SJ ONLY)

The fan motors employed are permanently oiled for the life of the motor and require no periodic maintenance. They are wired according to the enclosed wiring diagram and must run continuously.

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 2 PSIG.) 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 1/4 turn between adjustments and allow 10 minutes or more between adjustments. Superheat should be set to 6 - 8-degree F.

REFRIGERATION LINES

Refrigerant connections (suction & liquid) are stubbed underneath the case. Cases multiplexed together must be field connected by running refrigerant lines in the space under the case. The field installed suction lines must be insulated to prevent condensation accumulation on the floor. See the section on "Recommended Piping Practices" for additional details on piping practices.

NOTE: 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 another 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 is mounted on the rear baffle on gravity coil models and in the discharge air on the forced air models. On parallel units, temperature control can be provided by EPR valve and thermostat. 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 100 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.

DEFROST CYCLE

Off-time defrost is standard on these models. The fans run continuously on the forced air cases. Defrost termination is by time (fail safe). See Chart #2 for defrost settings.

CHART #1

ELECTRICAL RATINGS
(115V/60/1 PHASE)

<u>MODEL</u>	<u>FAN AMPS</u>	<u>LIGHT AMPS *</u>	<u>RECEPTACLE AMPS</u>
S39SJ/S35SJ 8	1.0	.8	15.0
S39SJ/S35SJ 12	1.5	1.3	15.0
S39S/S35S 8		.8	15.0
S39S/S35S 12		1.3	15.0

* Cases are standard with one row of lights in the top front. A second row of lights can be added at the rear top. For the second row of lights, add .8 amps to 8' cases and 1.3 amps to 12' cases. If lighted shelves are used, add .7 amps for each shelf. This case can have a maximum of two rows of lighted shelves.

CHART #2

RECOMMENDED CONTROL SETTINGS

<u>REFRIGERANT</u>	<u>LP CONTROL</u>		<u>EPR VALVE SETTING</u>	<u>THERMOSTAT SETTING (Degree-F)</u>	
	<u>CUT-OUT</u>	<u>CUT-IN</u>		<u>CUT-OUT</u>	<u>CUT-IN</u>
R-12 S39SJ/S35SJ	5	20	22#	28 (Disch Air)	32
R-502 S39SJ/S35SJ	24	50	54#	28 (Disch Air)	32
R-12 S39S/S35S	5	20	22#	34	38
R-502 S39S/S35S	24	50	54#	34	38

NOTE: ALL S3(9)(5) SERIES CASE TEMPERATURES SHOULD BE CONTROLLED WITH A THERMOSTAT AND EPR VALVE. ON CONVENTIONAL CONDENSING UNITS, THE THERMOSTAT SHOULD CYCLE THE CONNECTED COMPRESSOR. ON PARALLEL REFRIGERATION SYSTEMS, THE THERMOSTAT MUST CYCLE AN EPR/SUCTION STOP OR A LIQUID LINE SOLENOID VALVE. IF A LIQUID LINE SOLENOID IS USED, IT MUST BE LOCATED AT THE CASE.

DEFROST SETTING:

<u>NUMBER OF PERIODS</u>	<u>TERMINATION</u>	<u>FAIL SAFE</u>	<u>Model</u>
1/24 hours	Time	46 mins.	S39SJ/S35SJ
1/24 hours	Time	80 mins.	S39S/S35S

PARTS LIST
S39S(J)/S35S(J)

<u>DESCRIPTION</u>	<u>8'</u>	<u>12'</u>
Interior Top Lights		
Ballast (GE 8G10-22W)	(1) 10D10-038	(1) 10D10-038
(GE 8G10-63)		(1) 10D10-037
Lamps (F40T12-N)	(2) 10A10-056	(3) 10A10-056
Shelf Lights		
Ballast (Robertson S40B)	(1) 10D10-012	(1) 10D10-012
Lamps (F30T8-N)	(1) 10A10-017	(1) 10A10-017
Expansion Valve (BFF-A-C)	(1) 3A11-046	(1) 3A11-046
Fan Motor (Forced Air Only) (GE 5KSMS1AG)	(2) 9A10-017	(3) 9A10-017
Fan Blade (Forced Air Only)	(2) 9B10-013	(3) 9B10-013
Lower Front Panel (Ptd)	51A12-158	51A14-135
Lower Front Panel (Her. Vinyl)	N/A	N/A
Kickplate (Brushed)	55A32-289	55A32-290
Kickplate (Bright)	55A32-293	55A32-292
End Kickplate (Brushed)	55A32-291	55A32-291
End Kickplate (Bright)	55A32-294	55A32-294
Colorband (Brushed)	55F12-116	55F14-113
Colorband (Bright)	55F12-119	55F14-114
Outside Top (Brushed)	55F12-114	55F14-112
Outside Top (Bright)	55F12-118	55F14-111
LH IS Door	(2) 18F10-144	(3) 18F10-144
RH OS Door	(2) 18F10-145	(3) 18F10-145
Front Glass - 25"	14D11-047	14D11-048
Front Glass - 29"	14D11-045	14D11-046

RECOMMENDED PIPING PRACTICES FOR WARREN/SHERER CASES

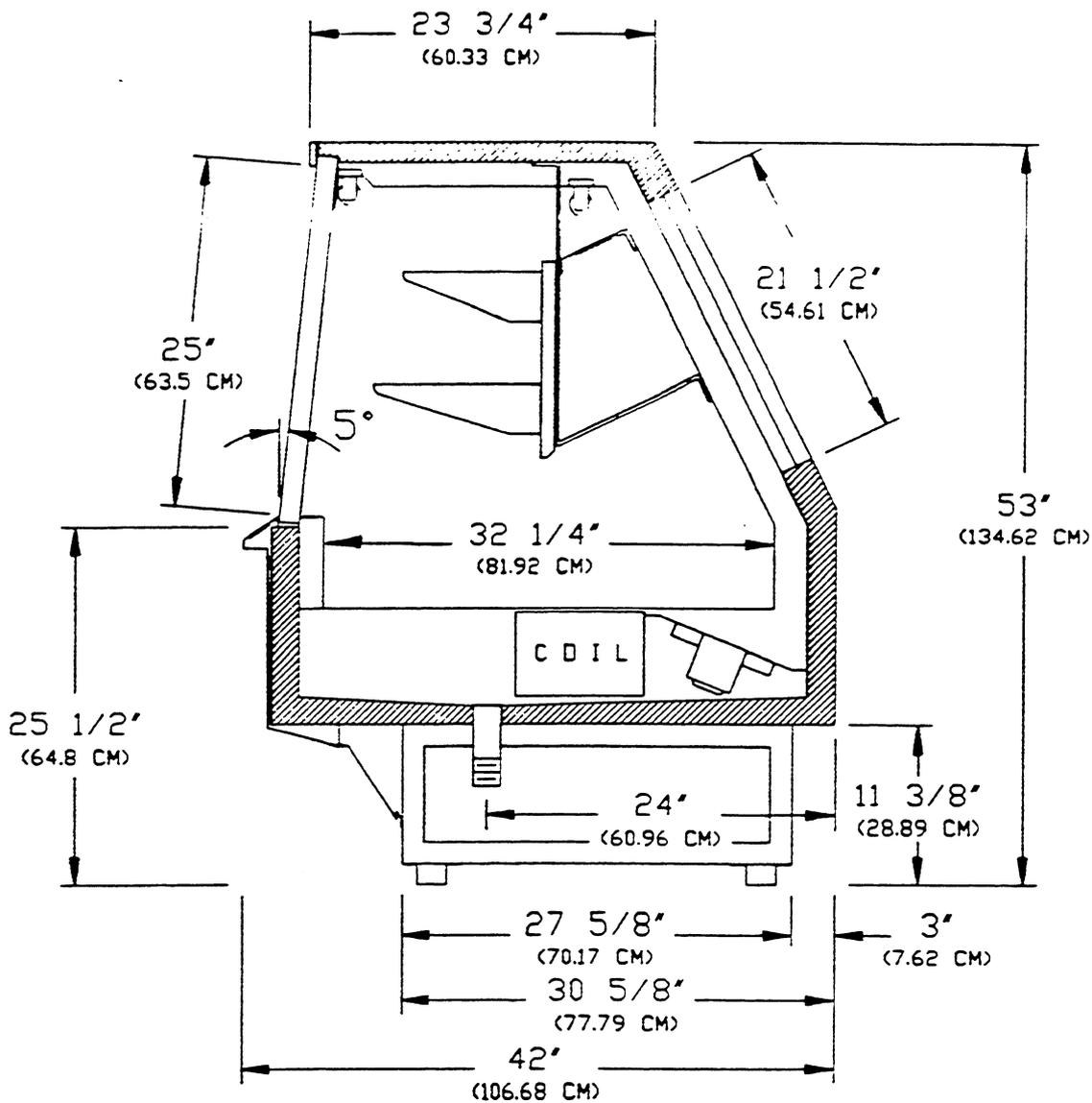
1. Proper size refrigeration lines are essential to good refrigeration performance. Suction lines are more critical than liquid or discharge lines. Oversized suction lines may prevent proper oil return to the compressor. Undersized lines can rob refrigeration capacity and increase operating costs. Consult the technical manual or legend sheet for proper line sizes.
2. Refrigeration lines in cases in line-ups can be reduced. However, the lines should be no smaller than the main trunk lines in at least 1/3 of the cases and no smaller than one size above the case lines to the last case. Reductions should not exceed one line size per case. It is preferred to bring the main trunk lines in at the center of line-up. Liquid lines on systems on hot gas defrost must be increased one line size above the main trunk line for the entire line-up. Individual feed lines should be at the bottom of the liquid header.
3. Do not run refrigeration lines from one system through cases on another system.
4. Use dry nitrogen in lines during the brazing to prevent scaling and oxidation.
5. Insulate suction lines from the cases to the compressor with 3/4" wall thickness Armaflex or equal on low temperature cases to provide maximum of 65 degree F superheated gas back to the compressor and prevent condensation in exposed areas. Insulate suction lines on medium temperature cases with 1/2" thick insulation in exposed areas to prevent condensate droppage.
6. Suction and liquid lines should never be taped or soldered together. Adequate heat exchanger is provided in the case.
7. Refrigeration lines should never be placed in the ground unless they are protected against moisture and electrolysis attack.
8. Always slope suction lines down toward the compressor, 1/2" each 10'. Do not leave dips in the line that would trap oil.
9. Provide "P" traps at the bottom of suction line risers, 4' or longer. Use a double "P" trap for each 20' of risers. "P" traps should be the same size as the horizontal line. Consult the technical manual or legend sheet for proper size risers.
10. Use long radius ells and avoid 45 degree ells.
11. Provide expansion loops in suction lines on systems on hot gas defrost. See Engineering Bulletin #85-204-3 for detail.

RECOMMENDED PIPING PRACTICES FOR WARREN/SHERER CASES (continued)

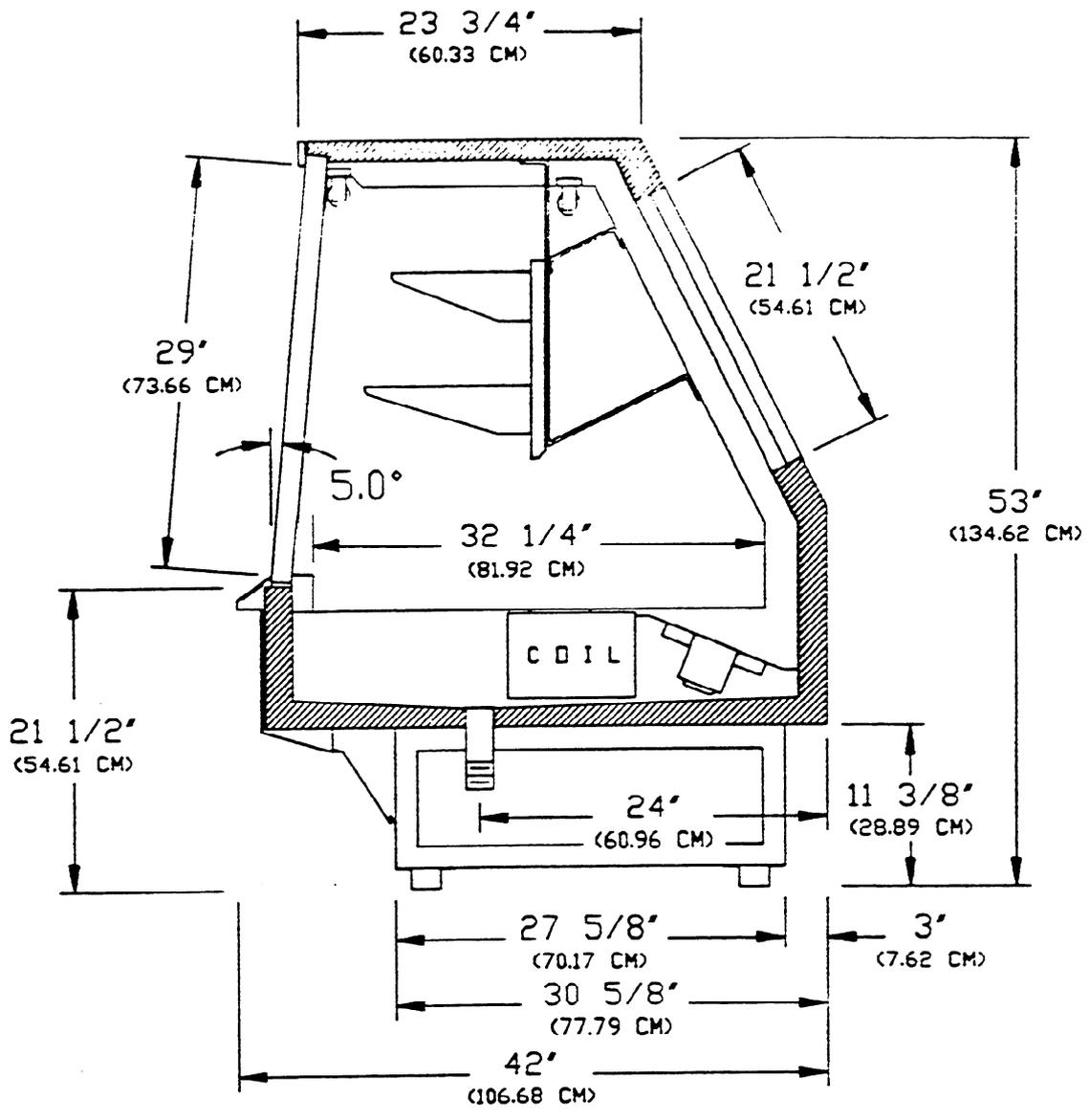
12. Strap and support tubing to prevent excessive line vibration and noise.
13. Brazing of copper to copper should be with a minimum of 10% silver. Copper to brass or copper to steel should be with 45% silver.
14. Avoid the use of "bull head" tees in suction lines. An example is where suction gas enters both ends of the tee and exits the center,. This can cause a substantial increase in pressure drop in the suction lines.
15. When connecting more than one suction line to a main trunk line, connect each branch line with an inverted trap.

07/25/80

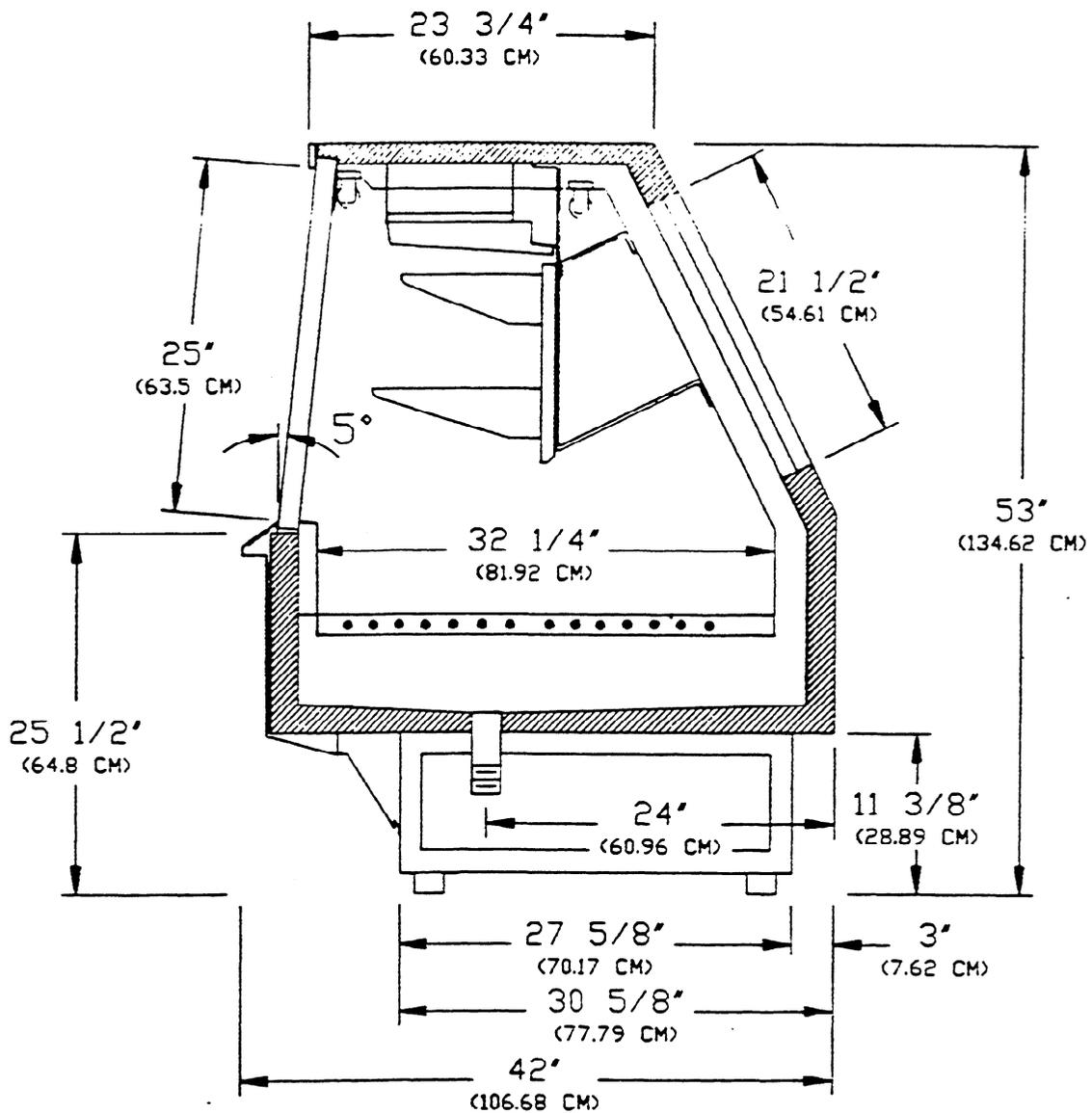
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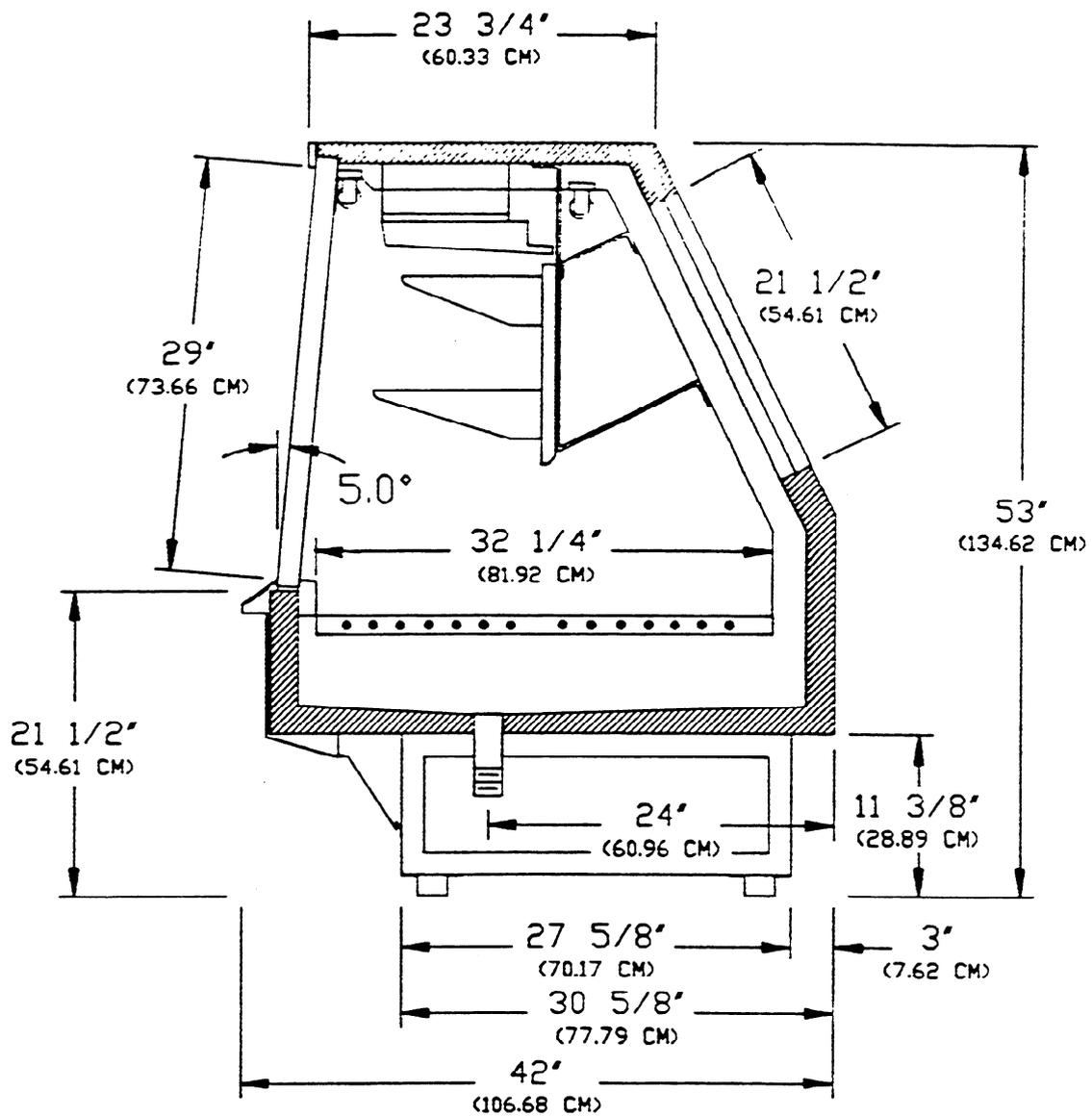
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SHEET			
KYSOR		WARREN // SHERER <small>DIVISION OF EYED INDUSTRIA, CORP.</small>	
		DRAWING NUMBER SE-86-000	



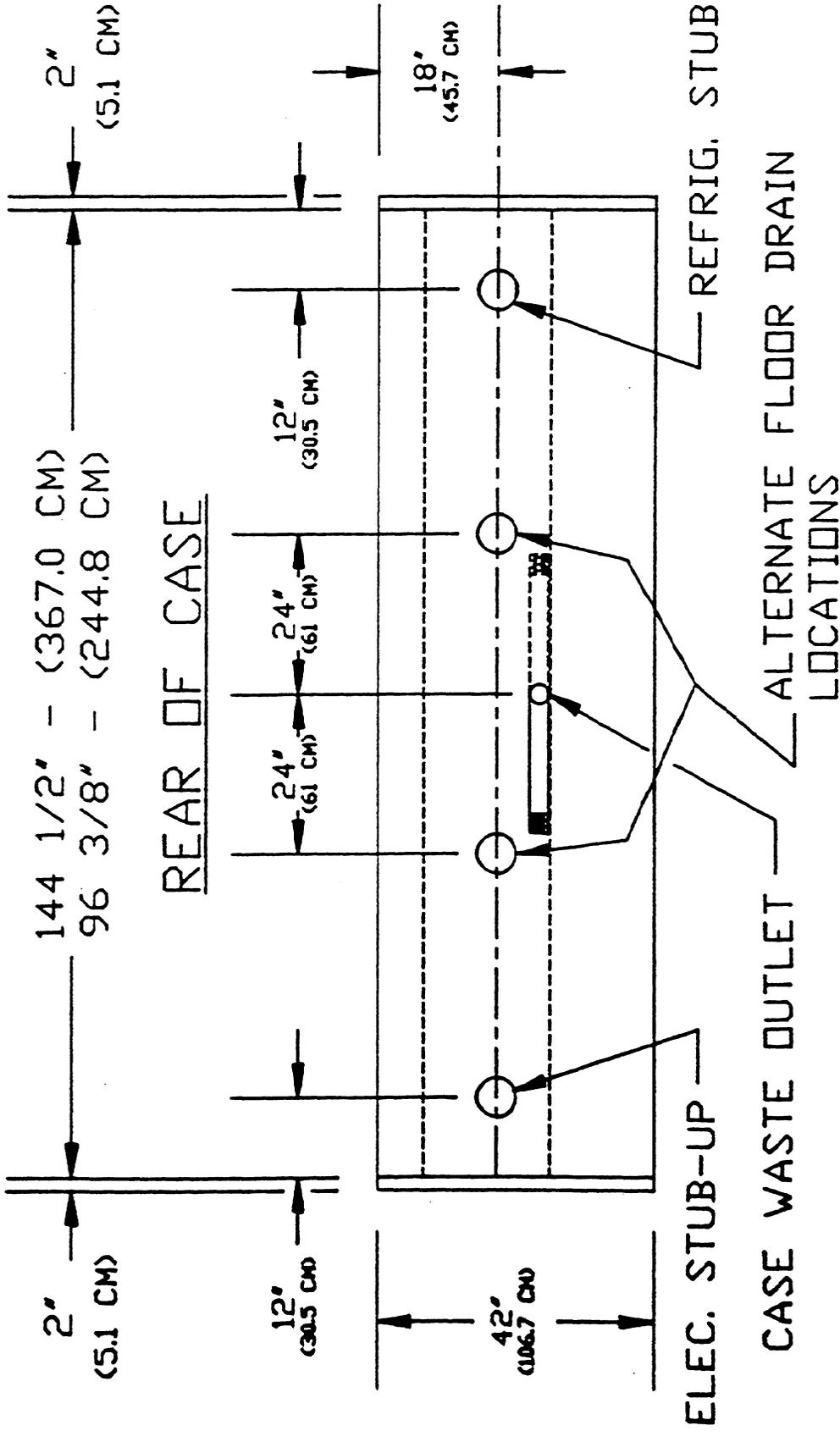
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KYSOR WARREN // SHERER DIVISION OF EYEP INDUSTRIAL CORP.		DRAWING NUMBER SE-86-000	



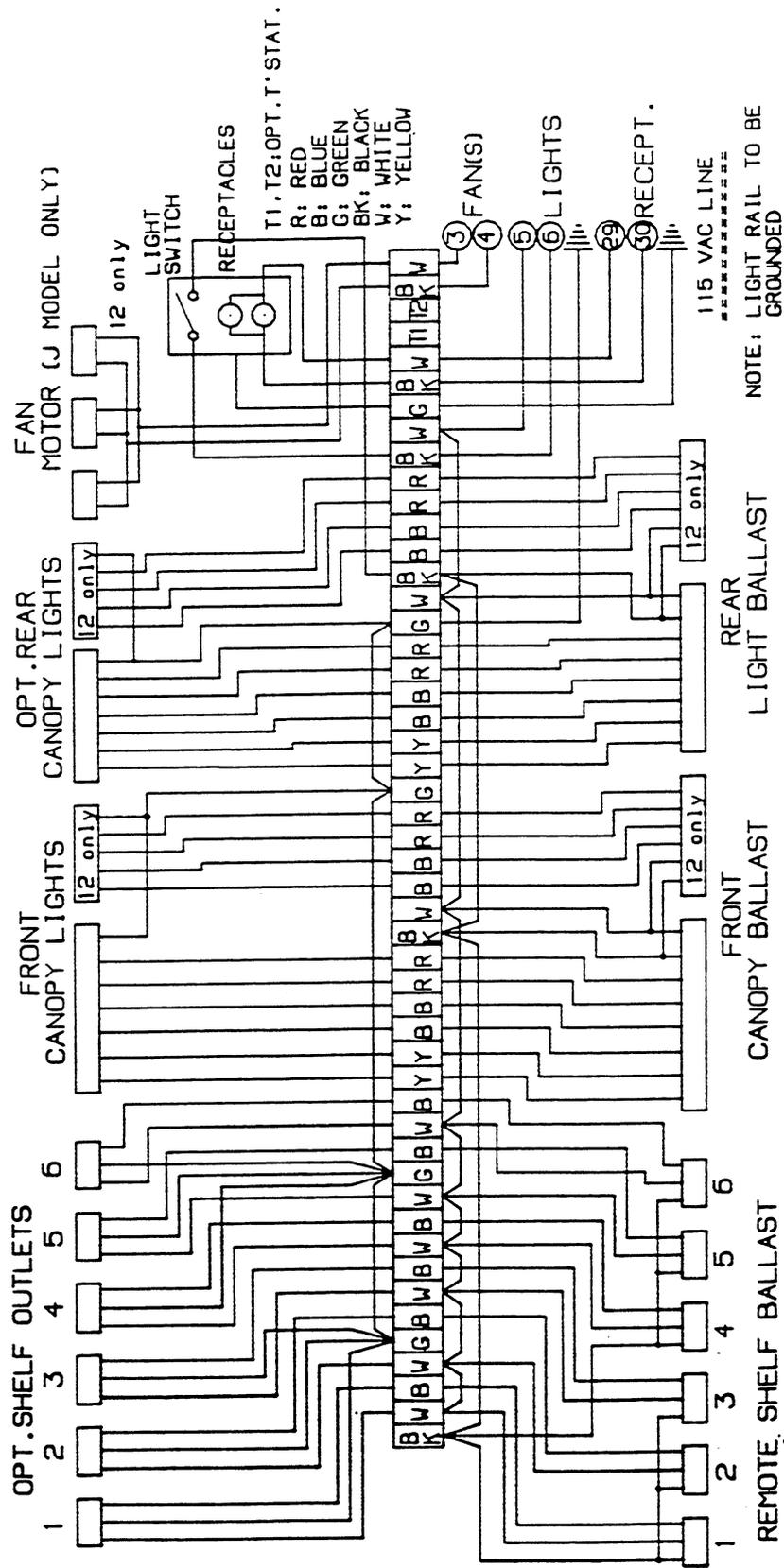
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DATE 25 MAR 87	L A Y O U T	S35S CROSS SECTION			
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LETTER	REVISION	DATE	BY
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KYSOR WARREN // SHERER		DRAWING NUMBER SE-86-000	
<small>DIVISION OF EYER INDUSTRIAL CORP.</small>			



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JESSE	KYSOR WARREN // SHERER		
SHEET	DIVISION OF KYSOR INDUSTRIAL CORP.		
	DRAWING NUMBER		
	SE-86-000		



C	ADD 589V(U) TO SURJ.	7/14/87	DR
B	REDRAWN & REVISED. GRD. RECEPT. & FAN MTR.	7-30-87	DR
LETTER	REVISED	DATE	BY
DATE	7-3-87	TITLE	
SCALE	N.T.H.	WIRING DIAGRAM	
DRAWN	AW	S395(J) & 539V(J) 8 & 12	
APP'D	AW	DRAWING NUMBER	
		PB-224330	

WARREN / SHERER P.P. # 91010-352

NOTES

1. MOVE REFRIGERATORS AS NEAR THEIR PERMANENT LOCATION AS POSSIBLE BEFORE REMOVING SHIPPING BRACES, SKIDS, OR ROLLERS. NOTE: THESE REFRIGERATORS WERE LINED UP AT FACTORY & NUMBERED. INSURE THEY ARE LINED UP IN THE FIELD BY THE SAME SEQUENCE NUMBER. (THE NUMBER IS LOCATED ON THE HANDRAIL.)
2. REMOVE SKIDS AND SHIPPING BRACES. INSTALL APROX. A 5/16" BEAD OF SEALER AT ONE END OF CASE.
3. MOVE CASES AS CLOSE TOGETHER AS POSSIBLE & LEVEL BY USING SHIMS PROVIDED. (CASES MUST BE LEVELED FROM FRONT TO BACK & END TO END.)
4. REMOVE ACCESS COVERS OVER LINE-UP HOLES AND INSERT THE SMALL T-NUTS IN THE END FRAME, BOTH FRONT AND BACK. PLACE THE SPECIAL T-NUT WASHER ON THE 3/8" MACHINE BOLT WITH THE HOLLOW SELECTION AWAY FROM THE BOLT HEAD. ROTATE THE 3/8" BOLTS WITH T-NUT WASHER INTO THE T-NUTS ALTERNATELY UNTIL CASES ARE PULLED UP TIGHT AND THE JOINT IS COMPLETELY SEALED. (REASONABLE CARE SHOULD BE EXERCISED IN THIS PROCEDURE TO PREVENT END FRAME DISTORTION.) ASSIST PULLING CASE UP TIGHT BY BUMPING FROM OPPOSITE END OF CASE OR USING PRY BAR.
5. INSPECT JOINT FOR PROPER AIR AND WATER TIGHT SEAL BOTH INSIDE AND OUTSIDE THE CASE.
6. REPLACE LINE-UP ACCESS COVER PLUGS OR PLATES.

JOINT TRIM - MOST JOINT TRIM CAN & SHOULD BE INSTALLED IMMEDIATELY AFTER CASES ARE LINED UP. WHERE POSSIBLE, INSTALL ALL TRIM IMMEDIATELY SO IT WILL NOT BE LOST. THE TRIM THAT CANNOT BE INSTALLED IMMEDIATELY SUCH AS KICKPLATE AREA, STORE IN A SAFE PLACE UNTIL REFRIGERATION AND ELECTRICAL WORK IS COMPLETED.

7. REAR JOINT TRIM LOWER - POSITION ON CASE AS SHOWN AND SECURE WITH (4) 8X5/8 SHEET METAL SCREWS, LEAVING THE TWO SLOTS OPEN.
8. REAR JOINT TRIM UPPER - POSITION ON CASE AS SHOWN WHILE ALIGNING THE BOTTOM PAIR OF HOLES WITH SLOTS IN ITEM 7. SECURE WITH (4) 8X5/8 SHEET METAL SCREWS.
9. FRONT GLASS JOINT TRIM - POSITION IN CENTER OF JOINT AND SEAL WITH 1/4" BEAD SEALER. (29B10-017) PUSH FIRMLY TO INSURE SEAL.
10. TOP PANEL JOINT TRIM - POSITION ON CASE AS SHOWN WHILE ALIGNING THE BOTTOM PAIR OF SLOTS IN ITEM 8. SECURE WITH (4) 8X5/8 SHEET METAL SCREWS.
11. FRONT PANEL JOINT TRIM - POSITION ON CASE AS SHOWN. SECURE WITH (6) 8X5/8 SHEET METAL SCREWS.
12. KICKPLATE JOINT TRIM - PLACE AS SHOWN AND SECURE WITH (2) #10-16 X 3/4 SHEET METAL SCREWS.
13. a. JOINT TRIM CHANNEL - POSITION JOINT TRIM CHANNEL FLANGES OVER EDGE OF END FRAME.
b. PLEXIGLASS DIVIDER - FACTORY INSTALLED CAULK ALL JOINTS.
14. COLORBAND JOINT TRIM - FASTEN COLORBAND & JOINT TRIM AFTER FRONT GLASS JOINT TRIM AND FRONT PANEL JOINT TRIM ARE POSITIONED. FASTEN W/(2) 21B12-019 ON TOP SIDE & (2) 21B12-017 BOTTOM SIDE. NOTE: SEE JOINT KIT ASSY. DRAWING PB-22379 OR PB-22542.

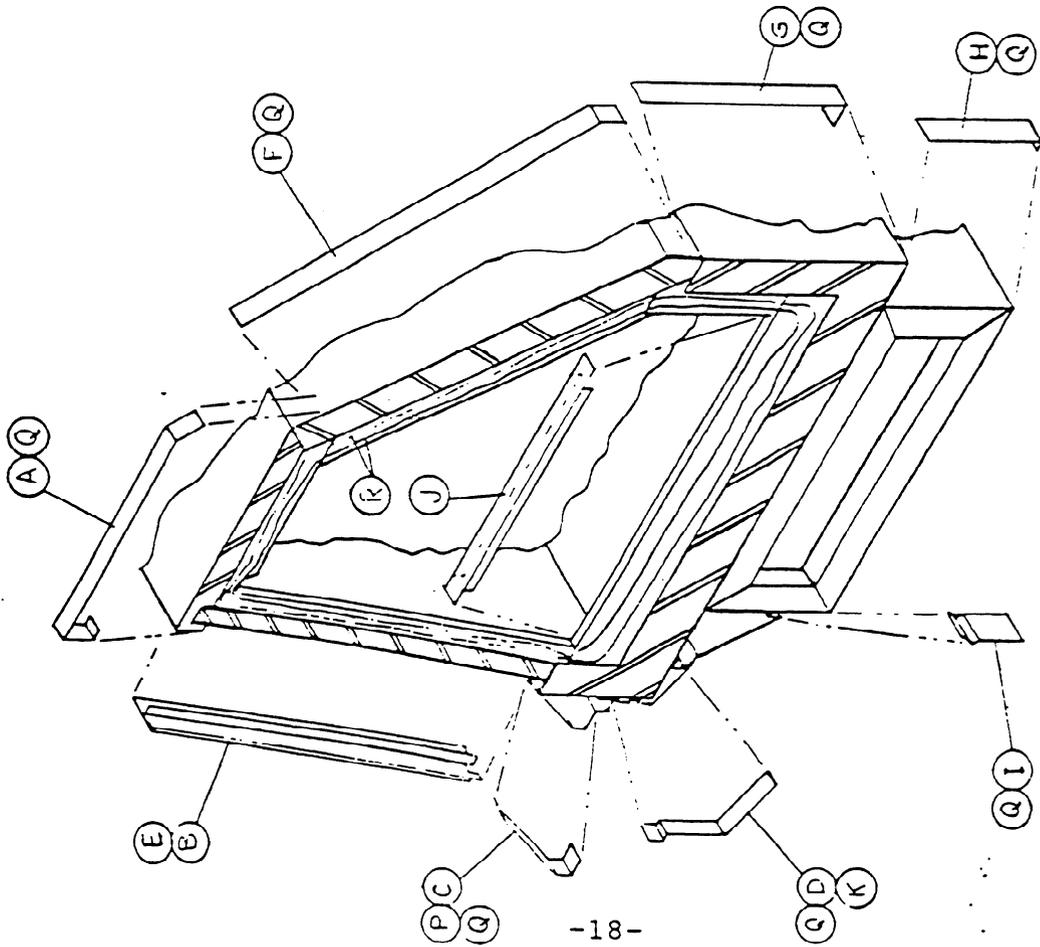
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SCALE		INSTRUCTIONS FOR S39S (J) (C) & S35S (J) (C)			
DRAWN		DRAWING NUMBER			
APPD.		PA.22571			



warren / sHEREN
DIVISION OF KYSOR INDUSTRIAL CORPORATION

MODELS: S355(J)(C) — KIT NOS.:
S395(J)(C)

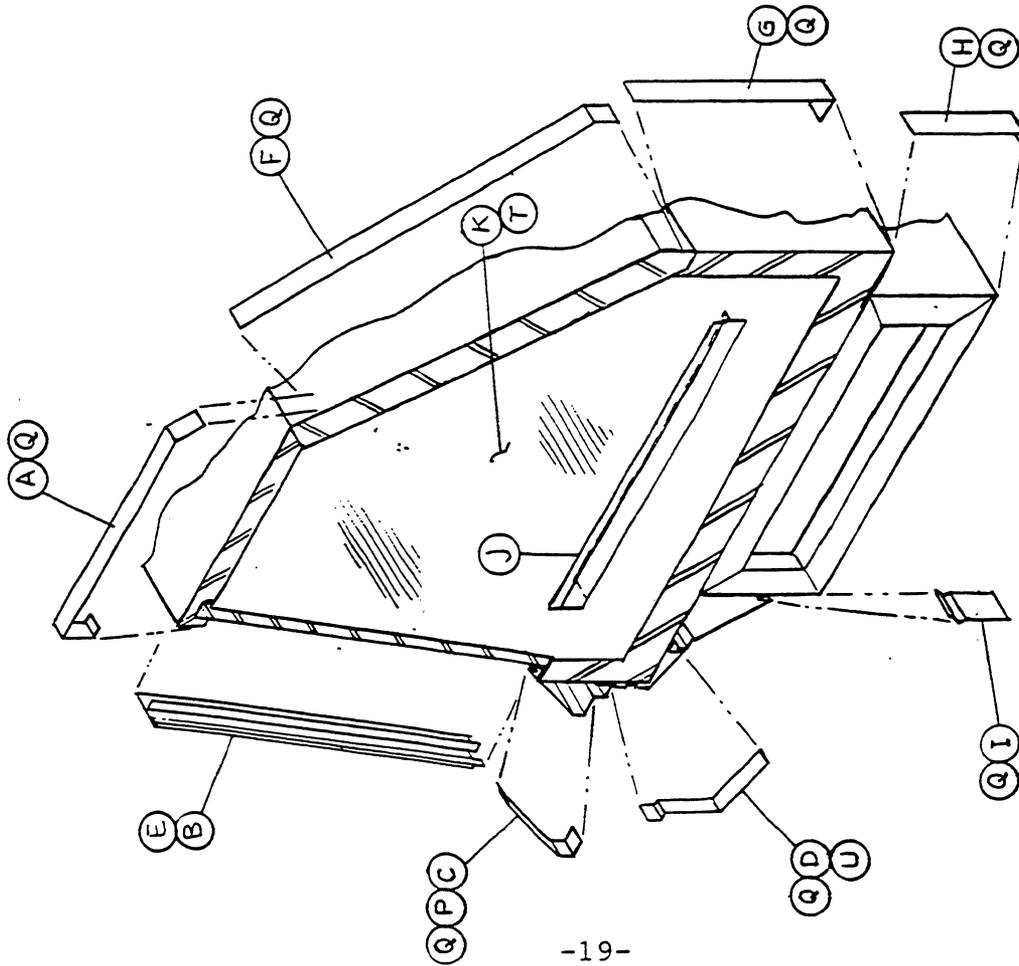
ITEM	DESCRIPTION	BRUSHED PART NO.	BRIGHT PART NO	QTY
A	TRIM - TOP JOINT	55P12-300	55P12-308	1
B	TRIM - FRONT GLASS JOINT (S355)	55P12-307	55P12-338	1
C	TRIM - COLORBAND JOINT	55P12-304	55P12-312	1
D	TRIM - FRONT PANEL JOINT (S395)	55P12-306	55P12-314	1
E	TRIM - FRONT GLASS JOINT (S395)	55P12-339	55P12-340	1
F	TRIM - REAR JOINT UPPER	55P13-391	55P13-393	1
G	TRIM - REAR JOINT	55P17-47	55P17-51	1
H	TRIM - REAR JOINT LOWER	55P17-49	55P17-53	1
I	TRIM - KICKPLATE JOINT	55P18-278	55P18-280	1
J	CHANNEL-JOINT DRIP	55P18-287	55P18-287	1
K	TRIM-FRONT PANEL JOINT (S355)	55P12-341	55P12-342	1
L	WASHER - TEE NUT	54V10-13	54V10-13	4
M	NUT - 3/8-16 HEX SCP	19A15-10	19A15-10	2
N	WASHER - 3/8 CUT SCP	19A15-13	19A15-13	4
O	BOLT - 3/8-16 x 1 1/4 HEX HD. MACH. SCREW	19B13-11	19B13-11	2
P	SCREW - 10-16 x 1/2 SER PH. TEX 2SD STL.	20E10-11	20E10-11	6
Q	SCREW - 10-16 x 3/4 S D PHIL. FLAT HD. SS	21B12-19	21B12-19	24
R	GASKET - POLYURETHANE 1/4 x 3/8 ADH. ON 1 1/2	24C10-24	24C10-24	24 FT.
S	SEALER - POLYB. WHITE BUTYL RUBBER	29B10-17	29B10-17	1 FT.
		29B10-28	29B10-28	1 TB.



LETTER	REVISED	DATE	BY
TITLE			
KIT - JOINT ASS'Y.			
S355(J)(C), S395(J)(C) - 8' x 12'			
DRAWN		DRAWING NUMBER	
E. T.		PB-22379	
APPD		KYS	
SCALE		WARREN / BHERER	
8-18-87		CORPORATION	

INSTALLATION INSTRUCTION REF. PA-22571

MODELS: 5355(J)(C) _____ KIT NOS.: _____
 5395(J)(C) _____



ITEM	DESCRIPTION	BRUSHED PART NO.	BRIGHT PART NO.	QTY.
A	TRIM - TOP JOINT	55P12-300	55P12-308	1
B	TRIM - FRONT GLASS JOINT (5355)	55P12-337	55P12-338	1
C	TRIM - COLORBAND JOINT	55P12-304	55P12-312	1
D	TRIM - FRONT PANEL JOINT (5395)	55P12-306	55P12-314	1
E	TRIM - FRONT GLASS JOINT (5395)	55P12-339	55P12-340	1
F	TRIM - REAR JOINT UPPER	55P13-391	55P13-393	1
G	TRIM - REAR JOINT	55P17-47	55P17-51	1
H	TRIM - REAR JOINT LOWER	55P17-49	55P17-53	1
I	TRIM - KICKPLATE JOINT	55P18-278	55P18-280	1
J	ANGLE-JOINT DRIP	55L21-74	55L21-74	1
K	DIVIDER - PLEXIGLASS (5355)	73F11-206	73F11-206	1
L	WASHER - TEE NUT	54V10-13	54V10-13	4
M	NUT - 3/8-16 HEX SCP	19A15-10	19A15-10	2
N	WASHER - 3/8 CUT SCP	19A15-13	19A15-13	4
O	BOLT - 3/8-16 x 1/4 HEX HD, MACH. SCREW	19B13-11	19B13-11	2
P	SCREW - #10-16 x 1/2 SER PH, TEX 2SD STL.	20E10-11	20E10-11	6
Q	SCREW - #10-16 x 3/4 S.D. PHIL, FLAT HD, SS	21B12-19	21B12-19	24
R	GASKET - POLYURETHANE 1/4 x 3/8 ADH, 0N1 3/8	24C10-24	24C10-24	24
S	SEALER - POLYB. WHITE	29B10-17	29B10-17	1 FT.
T	BUTYL RUBBER	29B10-28	29B10-28	1 TB
U	DIVIDER - PLEXIGLASS (5395)	73F11-197	73F11-197	1
	TRIM - FRONT PANEL JOINT (5355)	55P12-341	55P12-342	1

LETTER	REVISED	DATE	BY
DATE	6-10-87	TITLE	KIT - JOINT ASS'Y. W/ PLEX. DIVIDER
SCALE	NONE		5355(J)(C), 5395(J)(C) - 8' & 12'
DRAWN	E.T.	WARREN / OBERER <small>0-110-01-1-100-INDIANAPOLIS, IN</small>	
APP'D		DRAWING NUMBER PB-22542	

INSTALLATION INSTRUCTION REF. PA-22571