

Item	Part #	Description	Wiring Item #	Item	Part #	Description	Wiring Item #
FAN ASSEMBLIES, AND THERMOSTATS				LAMPS AND BALLASTS			
A.		6W Fan Assembly	(1)	D.	0428002	Ballast 1 lamp	(4)
	0058698	Fan Motor, Evaporator		D.	0428648	Ballast 2 lamps	(4)
	0142780	Fan Blade embossing toward motor		E.		Fluorescent Lamp <i>Replace with like fixtures</i>	(5)
B.	0311588	Standard Non-adjustable Disc-type Defrost Thermostat	(2)				
C.	0137880	Optional Adjustable Refrigeration Thermostat	(3)				

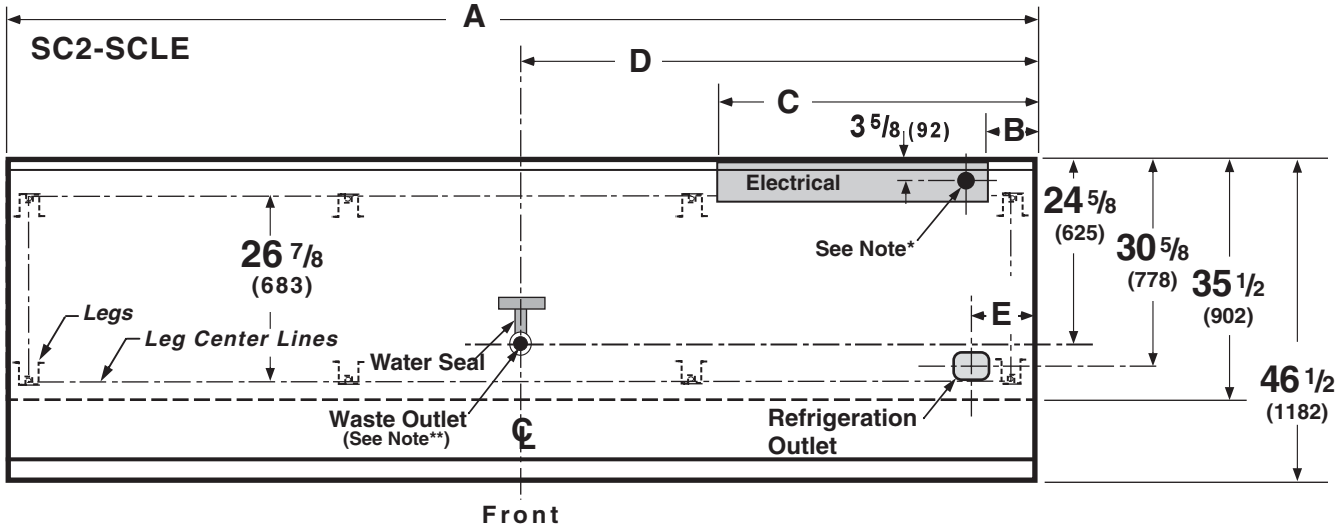
Note: Changed items have been underlined.





Engineering Plan Views

Dimensions shown as in. & (mm).

Dairy & Delicatessen

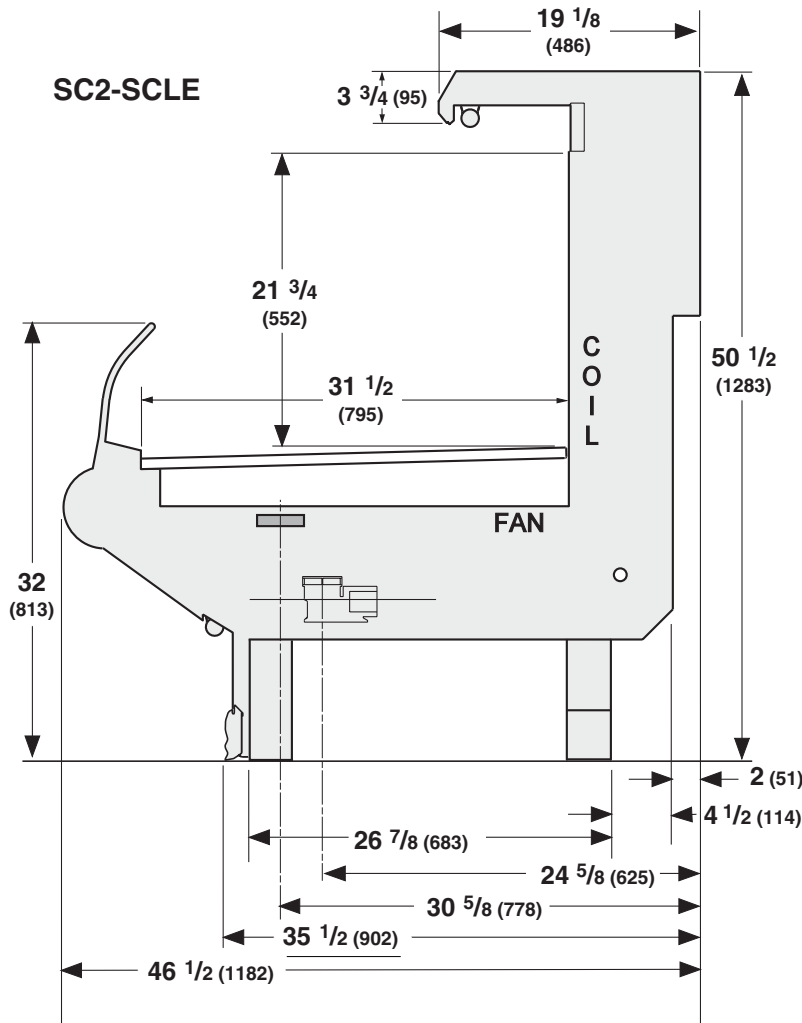
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	4 Ft	6 Ft	8 Ft	12 Ft
General				
(A) Case Length <i>Each End and Partition adds 1 1/2 in. (38 mm) to the length of the lineup.</i>	48 1/4 (1226)	74 1/4 (1835)	96 3/8 (2448)	144 1/2 (3670)
Maximum O/S dimension of case back to front <i>Includes bumper and canopy</i>	46 1/2 (1182)	46 1/2 (1182)	46 1/2 (1182)	46 1/2 (1182)
Back of case to front of splashguard	35 1/2 (902)	35 1/2 (902)	35 1/2 (902)	35 1/2 (902)
Center of front legs to center of rear legs	25 5/8 (651)	25 5/8 (651)	25 5/8 (651)	25 5/8 (651)
Electrical Service 				
(B) RH end of case to RH end of electrical box (<i>gray</i>)	7 (178)	7 (178)	7 (178)	7 (178)
Back O/S of case to center of knockout	3 5/8 (92)	3 5/8 (92)	3 5/8 (92)	3 5/8 (92)
* NOTE: Electrical Field Wiring Connection Point.				
Waste Outlet 				
(C) RH end of case to center of waste outlet	24 (611)	24 (611)	24 (611)	72 1/4 (1835)
LH end of case to center of waste outlet	24 (611)	48 1/4 (1226)	72 3/8 (1839)	72 1/4 (1835)
Back O/S of case to center of waste outlet	24 5/8 (625)	24 5/8 (625)	24 5/8 (625)	24 5/8 (625)
** NOTE: Field installed water seal outlet, tees, and connectors, are shipped with case.				
Water Seal 				
Center of Tee to center of Waste Outlet	11 3/8 (289)	11 3/8 (289)	11 3/8 (289)	11 3/8 (289)
Outside diameter of drip piping lines	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
Refrigeration Outlet 				
(E) RH end of case to center of refrigeration outlet	9 3/8 (233)	9 3/8 (233)	9 3/8 (233)	9 3/8 (233)
Back O/S of case to center of refrigeration outlet	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)	30 5/8 (778)

Impact SC2-SCLE
Delicatessen/Dairy
Precut & Packaged Produce

Dimensions are shown as in. & (mm).



Note: The bumpers are 4 in. wide. The center of the bumper is 18 1/2 (470) in. from the floor.

NSF Certification: These merchandisers are manufactured to meet ANSI/National Sanitation Foundation (NSF®) Standard #7 requirements.

REFRIGERATION DATA

Note: This data is based on store temperature and humidity that does not exceed 75°F and 55% R.H.

	SC2-SCLE
Discharge Air (°F)	27
Evaporator (°F)	21
Unit Sizing (°F)	19
Btu/hr/ft*	SC2-SCLE
Parallel	950
Conventional	1000
*For all refrigeration equipment other than Hussmann, use conventional Btu values.	

DEFROST DATA

	SC2-SCLE
Frequency (hr)	6
Defrost Water (lb/ft/day)	6
(± 15% based on case configuration and product loading).	
OFFTIME	SC2-SCLE
Temp Term (°F)	48°
Failsafe (minutes)	30
Standard Defrost Thermostat	
Close on rise: close 48° — open 33°	

CONVENTIONAL CONTROLS
Low Pressure Backup Control

	SC2-SCLE
CI/CO (Temp °F)**	17° / 7°

Indoor Unit Only, Pressure Defrost Termination (Temp °F)**

48°
**Use a Temperature Pressure Chart to determine PSIG conversions.

PHYSICAL DATA

Merchandiser Drip Pipe (in.)	1 1/2
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	7/8

Estimated Charge (lb)***	SC2-SCLE
4 ft	1.3
6 ft	1.8
8 ft	2.3
12 ft	3.3

***This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

Length Added to Lineup by:
Each End/Partition (in.) 1 1/2

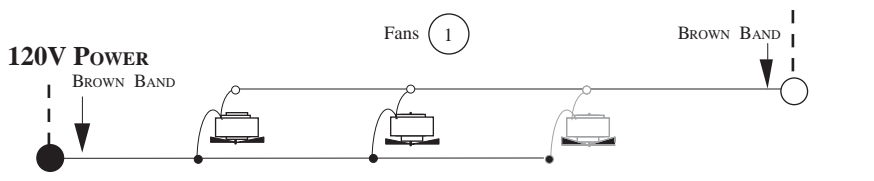
Impact SC2-SCLE Delicatessen/Dairy Precut & Packaged Produce

Electrical Data

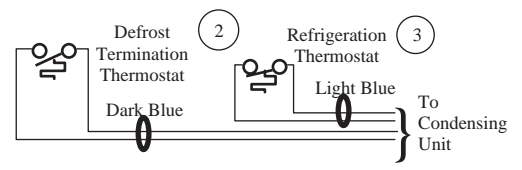
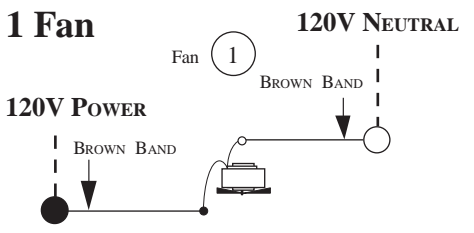
	4 ft	6 ft	8 ft	12 ft				
Number of Fans — 6W	1	2	2	3				
Merchandiser	4 ft	Amperes			4 ft	Watts		
		6 ft	8 ft	12 ft		6 ft	8 ft	12 ft
Fans								
Standard (120V 60 Hz)	0.50	1.00	1.00	1.50	39	78	78	117
Energy Efficient (120V 60 Hz)	0.26	0.52	0.52	0.78	18	36	36	54
Export (230V 50 Hz)	0.28	0.56	0.56	0.84	44	88	88	132
Cycling Anti-sweat Heaters	NA	NA	NA	NA	NA	NA	NA	NA
Minimum Circuit Ampacity								
With Standard Fans (120V 60 Hz)	0.70	1.20	1.20	1.70				
Energy Efficient (120V 60 Hz)	0.46	0.72	0.72	0.98				
Export (230V 50 Hz)	0.48	0.76	0.76	1.04				
Maximum Over Current Protection								
120V 60 Hz	20	20	20	20				
230V 50 Hz	15	15	15	15				
Standard Lighting								
1 Row Canopy	0.26	0.51	0.51	0.77	59	59	59	85
Optional Lighting								
1 Row Canopy and 1 Row Rail	0.51	1.02	1.02	1.54	59	118	118	170
2 Rows Canopy	0.51	1.02	1.02	1.54	59	118	118	170
2 Rows Canopy and 1 Row Rail	0.77	1.53	1.53	2.31	88	177	177	255
1 Row of Ledge Lights	0.49	0.51	0.51	0.77	30	59	59	85
Optional Shelf Lighting								
1 Row of Shelves	0.26	0.51	0.51	0.77	30	59	59	85
2 Rows of Shelves	0.51	1.02	1.02	1.54	118	118	118	170

Fan Wiring Offtime Defrost

2 & 3 Fans



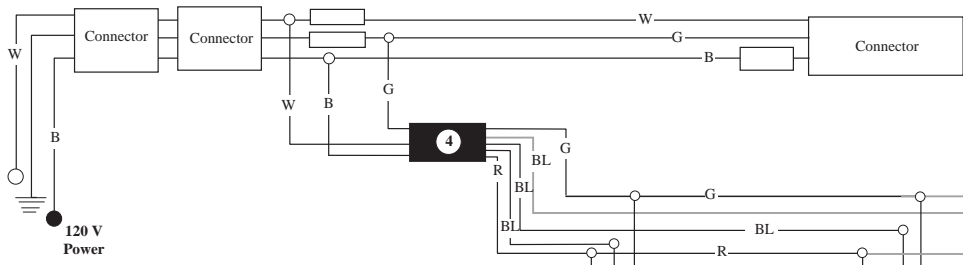
1 Fan



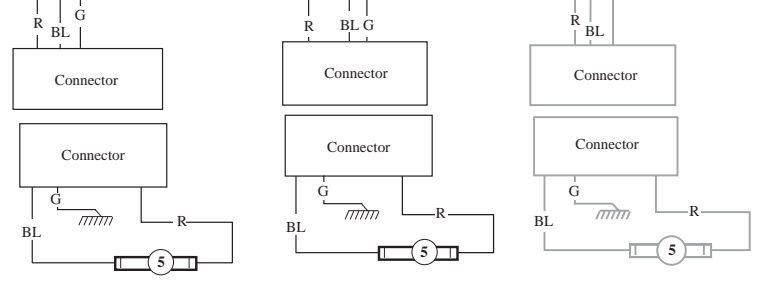
Optional Shelf Harness and Light Circuits for One Row of Shelves

Shelf Lighting

Shelf Harness



Shelf Light Circuits



WARNING

All components must have mechanical ground, and the merchandiser must be grounded.

CIRCLED NUMBERS = PARTS LIST ITEM NUMBERS

Grayed components in 12 foot models only.

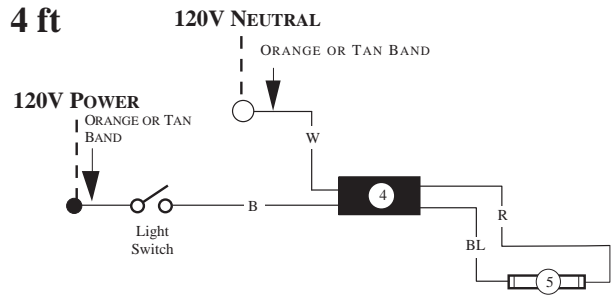
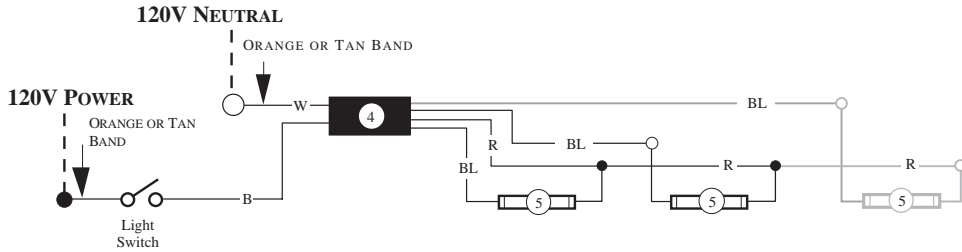
R = Red Y = Yellow G = Green BL = Blue B = Black W = White

● = 120V POWER ○ = 120V NEUTRAL ≡ = Field GROUND ≡≡ = Case GROUND

Light Circuits

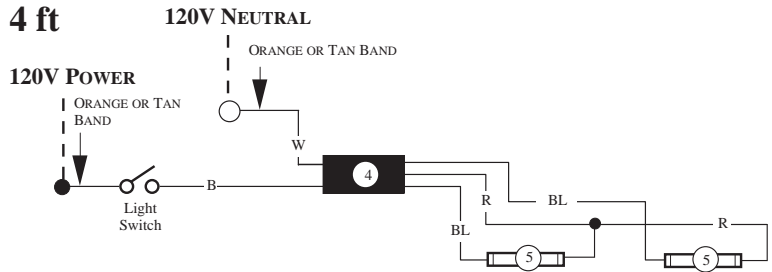
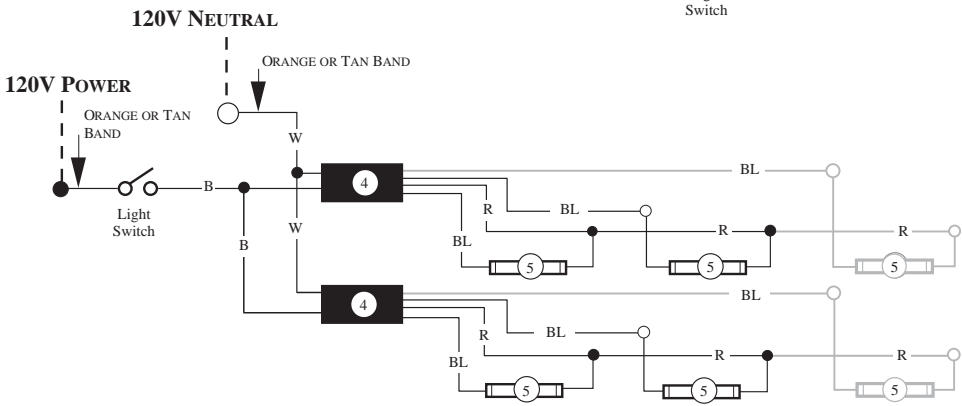
Standard Lighting 1 Row Canopy

6 ft, 8 ft or 12 ft



Optional Lighting 2 Rows Canopy

6 ft, 8 ft or 12 ft



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SHELF CONFIGURATION

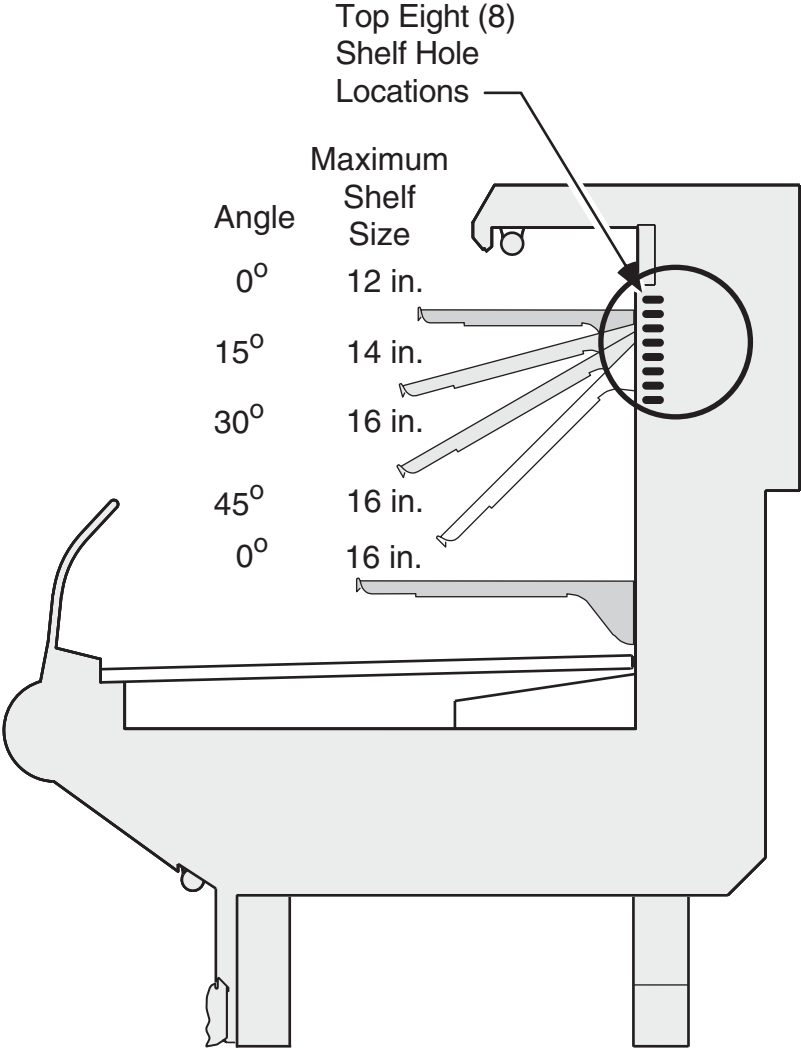
This merchandiser is designed for one or two shelves.

The depth of the shelf used in the top eight (8) shelf hole locations is critical to case performance.

If a shelf is placed in one of the top eight (8) locations it must comply with the angle/depth requirements listed below.

Shelf Angle	Maximum Shelf Depth
0°	12 in.
15°	14 in. or less
30°	16 in. or less
45°	16 in. or less

NOTE: Shelves placed in the lower positions may be up to 16 in. deep when positioned at a 0° angle.

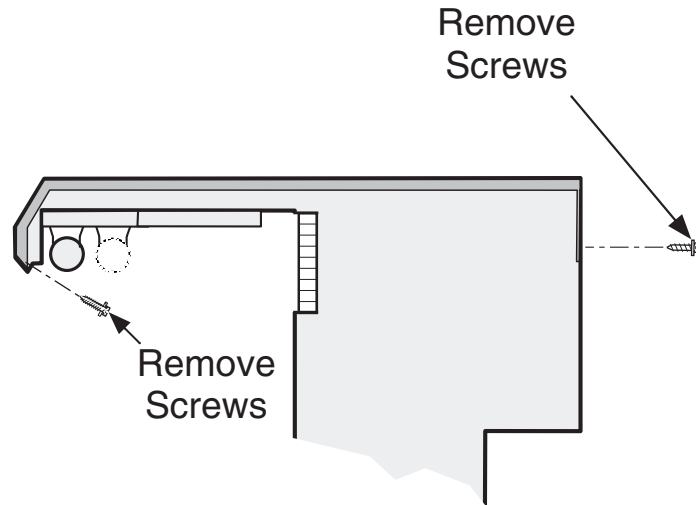


REPLACING CANOPY AND SHELF LAMP BALLAST

The ballast for the canopy and shelf lamps is located behind the canopy on the left-hand end of the merchandiser.

To access the ballast:

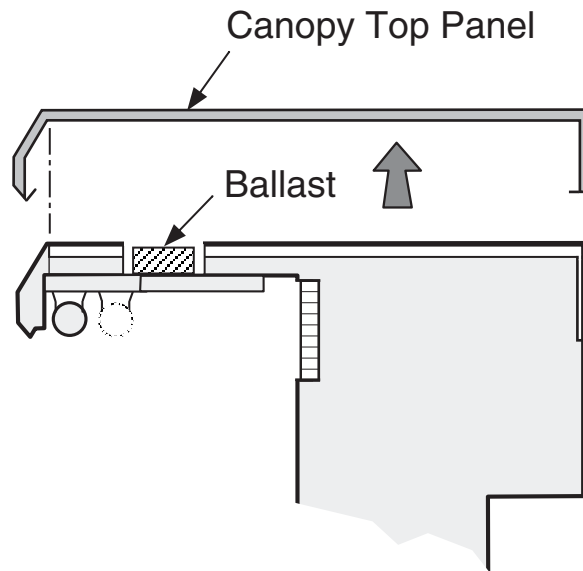
1. Remove screws at bottom edge of canopy and rear of top panel.



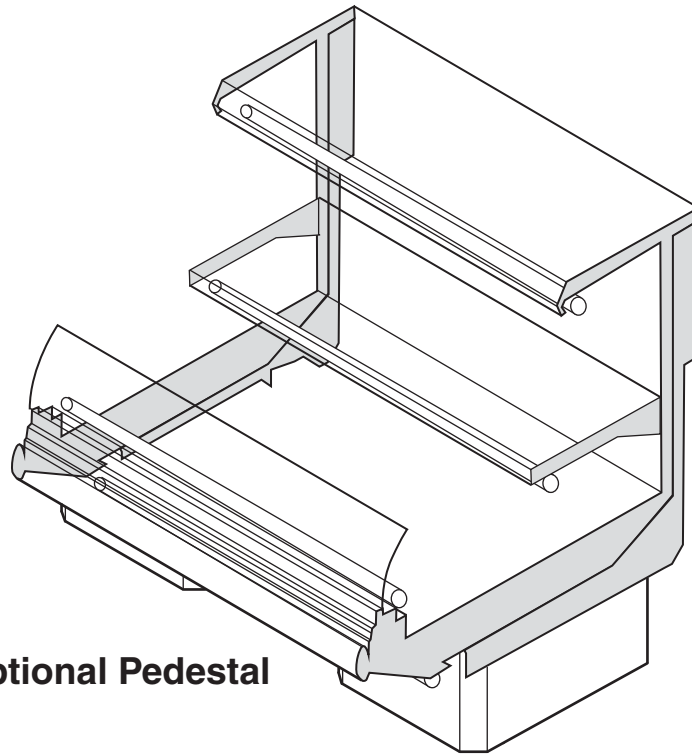
3. Remove the one piece canopy top panel by moving panel forward slightly to clear flange in front then lifting up.

4. Service or replace ballasts as required.

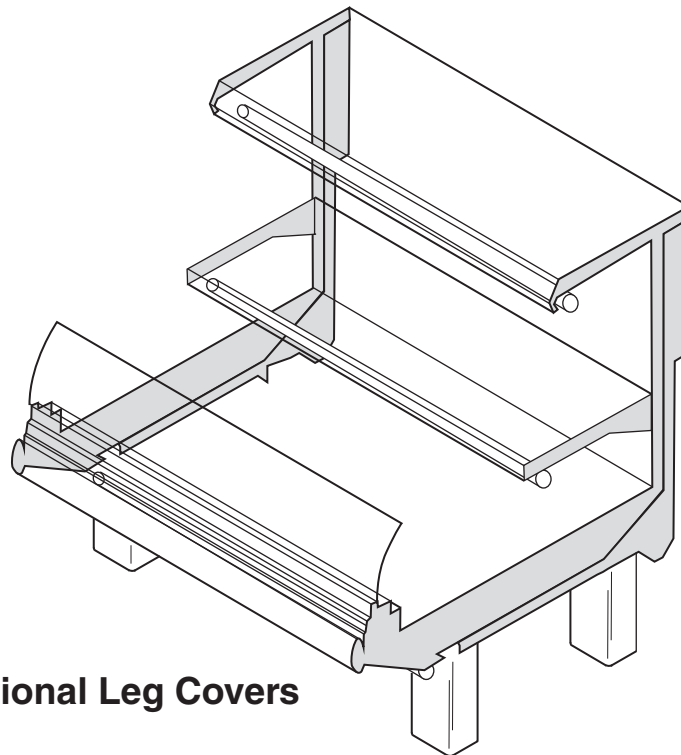
5. Reassemble items as they were originally installed.



NOTE: Rail lamp ballast is located in the rear raceway.



Optional Pedestal



Optional Leg Covers