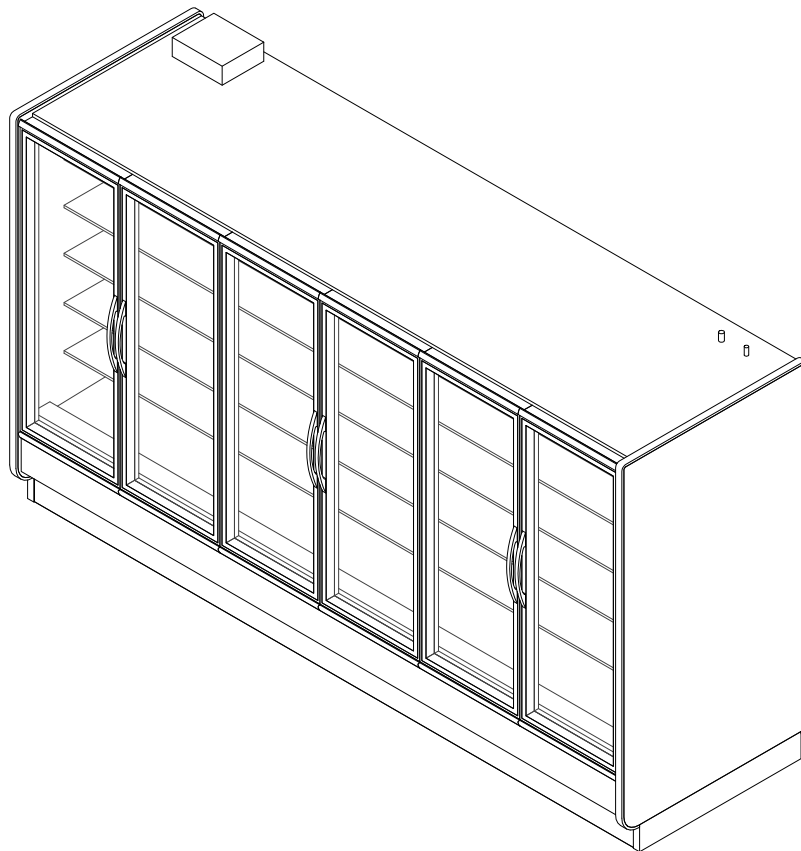


GENERAL NOTES

- 8-foot cases single swing consist of 3 (32") doors
- 8-foot cases Bi-swing consists of 4 (24") doors
- 12-foot cases single swing consist of 4 (36") doors
- 12-foot cases Bi-swing consist of 6 (24") doors.
- Rear loading cases are designed for the rear door to open into an operating cooler.
- Lighting controls - occupancy sensors are required.
 OPTION 1: OEM Provided: Lighting controls (on/off) are standard unless otherwise specified.
 OPTION 2: End User Provided: Lighting controls should be based on occupancy sensors. Store level A/S control should be set to 30% minimum off time at 75°F/55%RH.



SHIPPING WEIGHT	
Case	Weight
ORBR	1000-2000 LBs



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ELECTRICAL			
Case Length	Number of Fans per Case	High Efficiency Fans	
		120 Volts	
		Amps	Watts
8'	3	0.65	78.0
12'	4	0.87	104.0

LIGHTING DATA							
Case Length	Door Size	LED Lighting					
		OP45		OP55		Optimax Pro 24 Lo	
		120 V		120 V		120 V	
		Amps	Watts	Amps	Watts	Amps	Watts
8'	24"	---	---	0.52	61.9	0.56	66.6
8'	32"	0.54	65.2	---	---	0.46	54.8
12'	24"	---	---	0.77	92.8	0.83	99.5
12'	36"	0.73	87.3	---	---	0.61	72.8

ANTI CONDENSATE DATA					
Case Length	Size of Door	101 Frames		Vista Frames	
		Un Heated Doors		Un Heated Doors	
		ELMD, ELMH, I90		Vista C, I60, Elite	
		120 V		120 V	
		Amps	Watts	Amps	Watts
8'	24"	0.39	47	0.39	47
8'	32"	0.51	61	0.51	61
12'	24"	0.63	76	0.63	76
12'	36"	0.74	89	0.74	89

GUIDLINES & CONTROL DATA								
Application	Case Length	Door Size	BTUH/door		Evaporator (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge Air Velocity
			Coventional	Parallel				
Beverage	8'	24"	561	549	34	6-8	40	145 (FPM)
Beverage	8'	32"	602	589	31	6-8	37	145 (FPM)
Beverage	12'	24"	645	619	28	6-8	34	145 (FPM)
Beverage	12'	36"	841	824	34	6-8	40	145 (FPM)
Dairy/Deli	8'	24"	602	589	31	6-8	37	145 (FPM)
Dairy/Deli	8'	32"	803	786	31	6-8	37	145 (FPM)
Dairy/Deli	12'	24"	602	589	31	6-8	37	145 (FPM)
Dairy/Deli	12'	36"	903	884	31	6-8	37	145 (FPM)
Meat	8'	24"	645	619	28	6-8	34	145 (FPM)
Meat	8'	32"	860	825	28	6-8	34	145 (FPM)
Meat	12'	24"	645	619	28	6-8	34	145 (FPM)
Meat	12'	36"	968	928	28	6-8	34	145 (FPM)

DEFROST DATA		
Defrost Per Day	Timed-Off Defrost	
	Fail-Safe (Min)	Termination Temp (°F)
2	30	40



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SECOND NATURE DATA								
Case	No. of Coils	Application	Front Sill Type	BTUH/ft (DR)		GPM/ft (DR)	Supply Fluid Temp (°F)	Discharge Air Temp (°F)
				Conventional	Parallel			
ORBR	1	Deli / Dairy	Std. Reach In	301	294	0.16	20	36
ORBR	1	Deli / Dairy	Std. Reach In	301	294	0.44	25	36

SECOND NATURE DATA								
Case	No. of Coils	Application	Front Sill Type	No. of Defrosts	Timed Off Defrost		Warm Fluid Defrost	
					Fail Safe (Min)	Termination Temp (°F)	Fail Safe (Min)	Termination Temp (°F)
ORBR	1	Deli / Dairy	Std. Reach In	4	60	47	26	49
ORBR	1	Deli / Dairy	Std. Reach In	4	45	47	26	49

NOTES

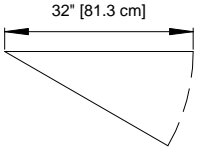
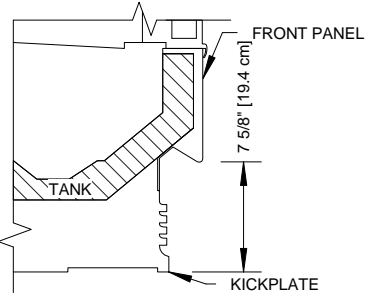
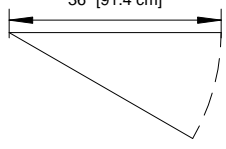
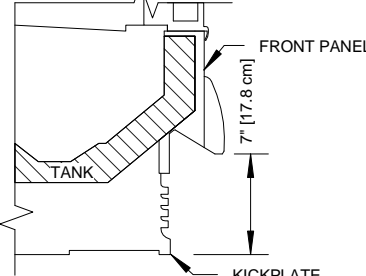
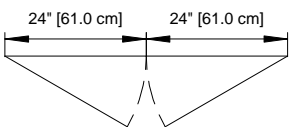
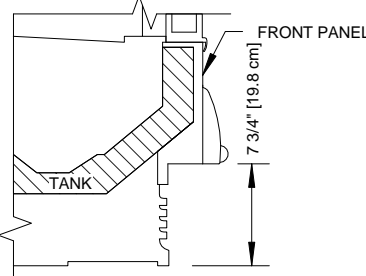
- "---" indicates that feature is not an option on this case model.
- Data listed is for Optimax Radiant and low power Optimax Pro (high power available). For other lighting options please contact your sales representative.
- Anti-condensate heat values for Eliminaator and Vista C represent a door with no heat on the glass.
- Listed discharge air velocity represents the average velocity at the peak of defrost.
- Temperature and defrost settings listed above are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
- The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
- Light wattages above reflect 100% run time. To determine actual daily energy usage at 75°F/55%RH conditions, reduce the light wattages above by 42%.



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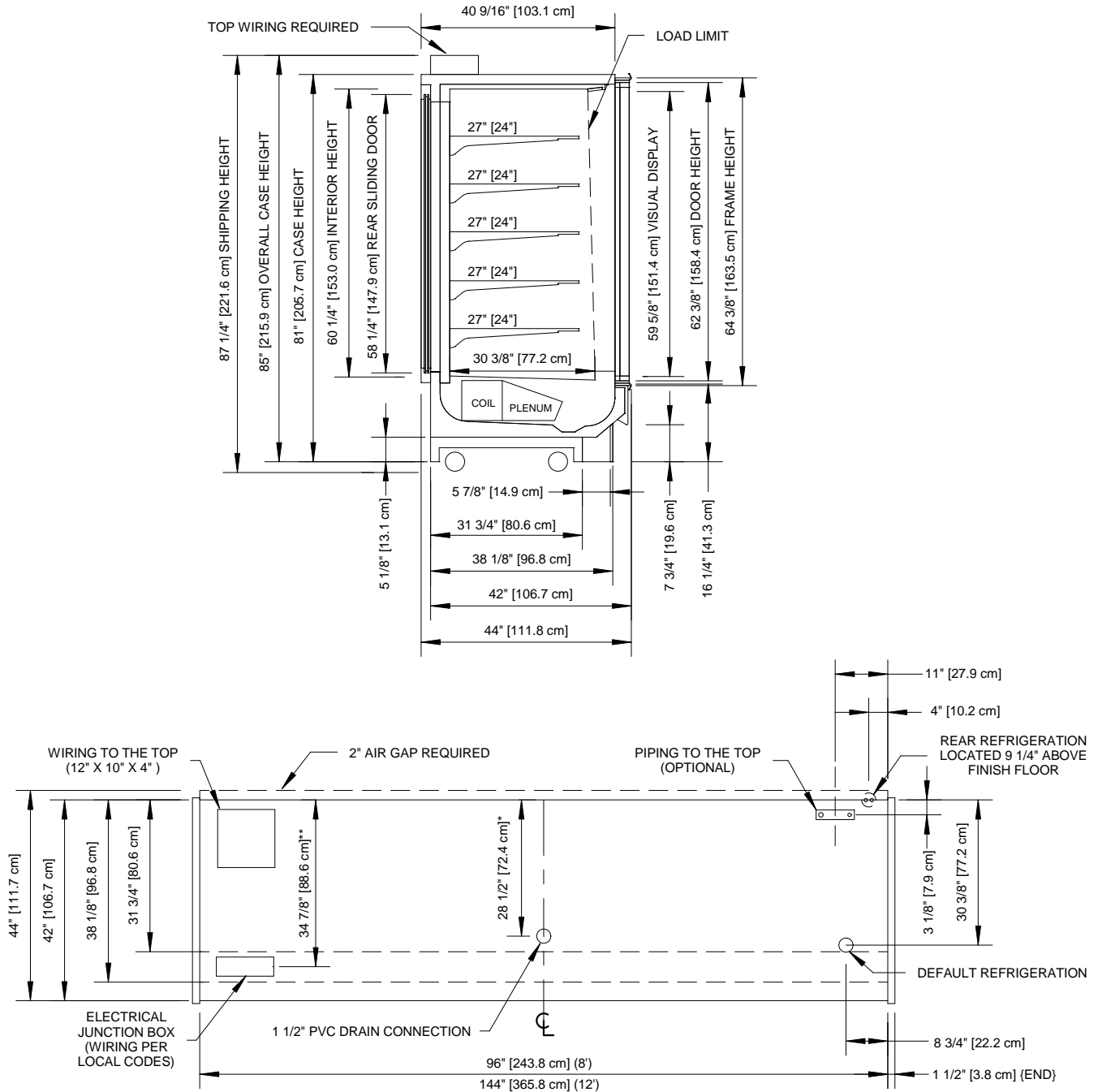
DOOR OPTIONS	FRONT OPTIONS
<p>STANDARD SWING DOOR 8' CASE</p> 	<p>FLAT FRONT (O SERIES)</p> 
<p>STANDARD SWING DOOR 12' CASE</p> 	<p>STREAMLINE BUMPER</p> 
<p>BI-SWING DOOR 4,8' & 12' CASES</p> 	<p>HALF BUMPER</p> 



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NOTES

- * : STUB-UP AREA.
- ** : RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS.

- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.
- Peg shelving systems are not to be used with rear-loading cases.



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