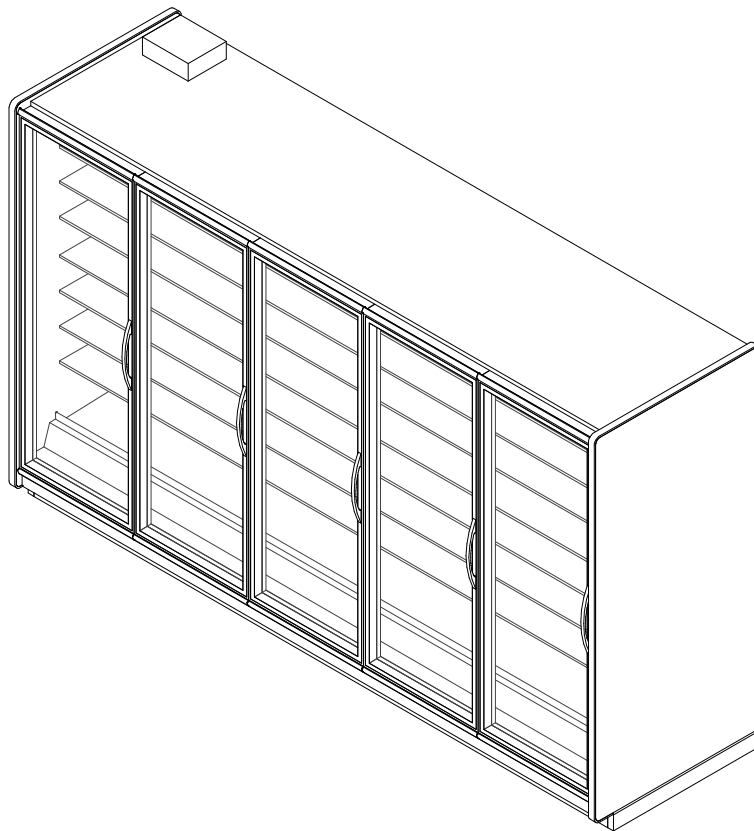


GENERAL NOTES

- 4-foot Bi-Swing cases consist of 2 (24") doors
- 6-foot Bi-Swing cases single swing consist of 3 (24") doors.
- 8-foot case Bi-swing consist of 4 (24") doors
- 12-foot cases Bi-swing consist of 6 (24") doors
- Door frames are heated. Doors are not heated.
- 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.



SHIPPING WEIGHT	
Case	Weight
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ELECTRICAL DATA			
Case Length	Fans Per Case	High Efficiency Fans	
		120 Volt	
		Amps	Watts
2 Door	1	0.22	26
3 Door	2	0.43	52
4 Door	2	0.43	52
5 Door	3	0.65	78
4'	1	0.22	26
6'	2	0.43	52
8'	2	0.43	52
12'	3	0.65	78

LIGHTING DATA									
Case Length	Door Size	OP45		OP55 (French Swing Only)		OP7 Single Swing		OP7 French Swing	
		120 Volts		120 Volts		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
2 Door	30"	0.36	43.1	---	---	0.33	39.7	---	---
3 Door	30"	0.54	65.2	---	---	0.49	59.0	---	---
4 Door	30"	0.73	87.3	---	---	0.65	78.3	---	---
5 Door	30"	0.91	109.4	---	---	0.81	97.6	---	---
4'	24"	---	---	0.26	31.0	---	---	0.27	32.6
6'	24"	---	---	0.52	61.9	---	---	0.52	62.0
8'	24"	---	---	0.52	61.9	---	---	0.52	62.0
12'	24"	---	---	0.77	92.8	---	---	0.76	91.4

ANTI CONDENSATE DATA					
Case Length	Door Size	101 Frames		Vista Frames	
		Un Heated Doors		Un Heated Doors	
		ELMD, ELMH, I90		Vista C, I60	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
2 Door	30"	0.37	44	0.37	44
3 Door	30"	0.58	70	0.58	70
4 Door	30"	0.81	97	0.81	97
5 Door	30"	1.02	122	1.02	122
4'	24"	0.19	23	0.19	23
6'	24"	0.40	48	0.40	48
8'	24"	0.44	53	0.44	53
12'	24"	0.71	85	0.71	85



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GUIDELINES AND CONTROL SETTINGS

Application	Case Length	Door Size	BTUH/Door		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
			Conventional	Parallel				
Beverage/Produce	2 - 5 Door	30"	625	620	6 - 8	34	39	235
Beverage/Produce	4'	24"	500	495	6 - 8	34	39	235
Beverage/Produce	6'	24"	500	495	6 - 8	34	39	235
Beverage/Produce	8'	24"	500	495	6 - 8	34	39	235
Beverage/Produce	12'	24"	500	495	6 - 8	34	39	235
Deli/Dairy/Cut Produce	2 - 5 Door	30"	695	685	6 - 8	31	35	235
Deli/Dairy/Cut Produce	4'	24"	555	550	6 - 8	31	35	235
Deli/Dairy/Cut Produce	6'	24"	555	550	6 - 8	31	35	235
Deli/Dairy/Cut Produce	8'	24"	555	550	6 - 8	31	35	235
Deli/Dairy/Cut Produce	12'	24"	555	550	6 - 8	31	35	235
Meat	2 - 5 Door	30"	785	725	6 - 8	28	33	235
Meat	4'	24"	630	580	6 - 8	28	33	235
Meat	6'	24"	630	580	6 - 8	28	33	235
Meat	8'	24"	630	580	6 - 8	28	33	235
Meat	12'	24"	630	580	6 - 8	28	33	235

DEFROST CONTROLS

Defrosts Per Day	Timed-Off Defrost	
	Fail-Safe (Min)	Termination Temp (F)
2	30	38

NOTES

- "---" indicates that this feature is not an option on this case model and/or the data is not yet available.
- Lighting data shown is for Optimax Radiant.
- 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%.

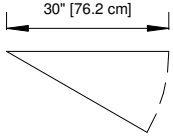
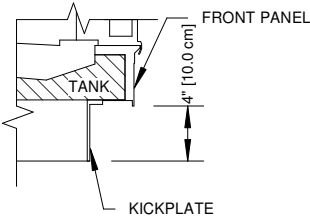
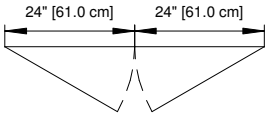


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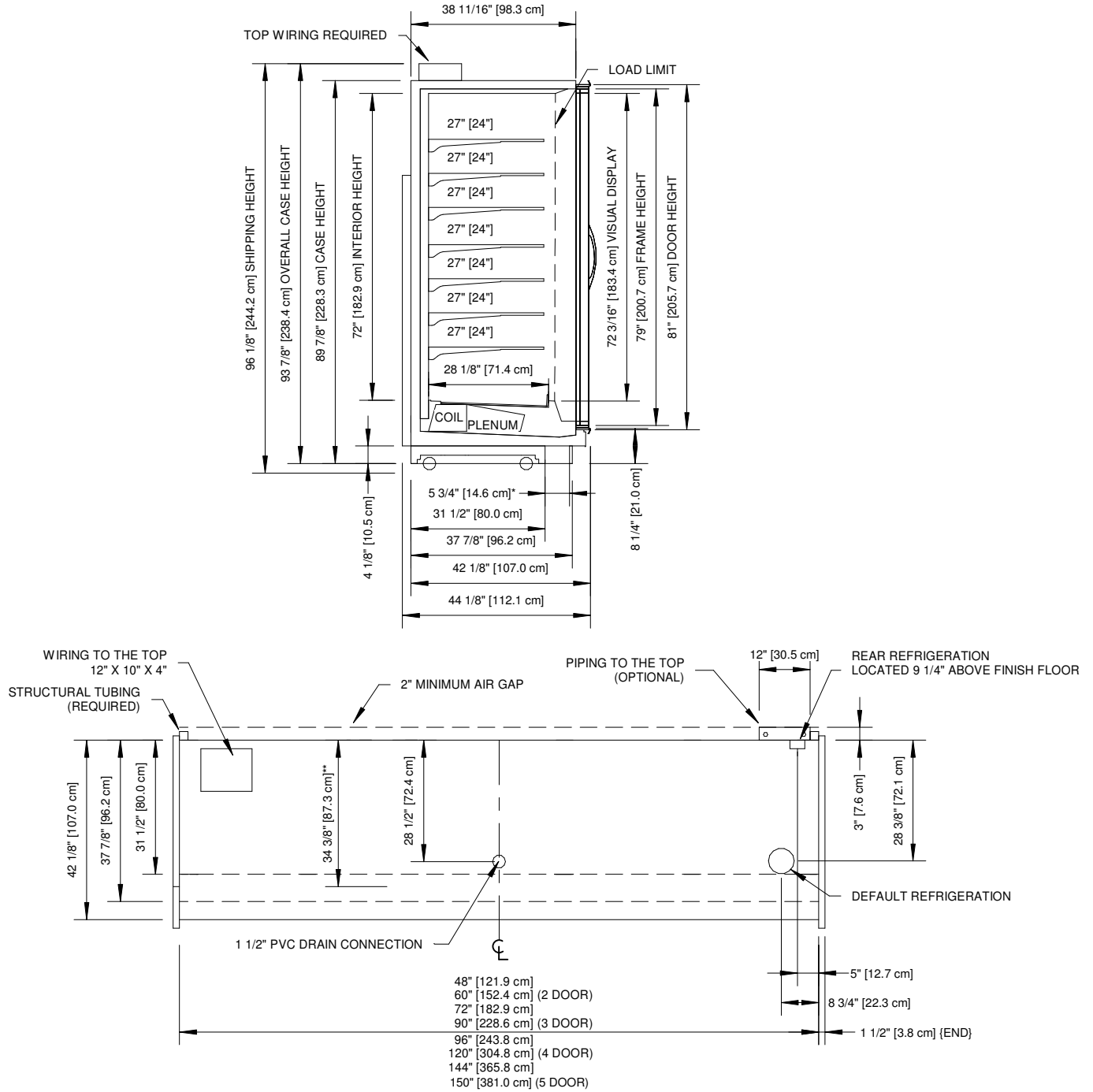
DOOR OPTIONS	FRONT OPTIONS
<p>STANDARD SWING DOOR 2, 3, 4 & 5 - DOOR CASES</p> 	<p><u>FLAT FRONT (V SERIES)</u></p> 
<p>BI-SWING DOOR 4', 6', 8' & 12' CASES</p> 	



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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



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