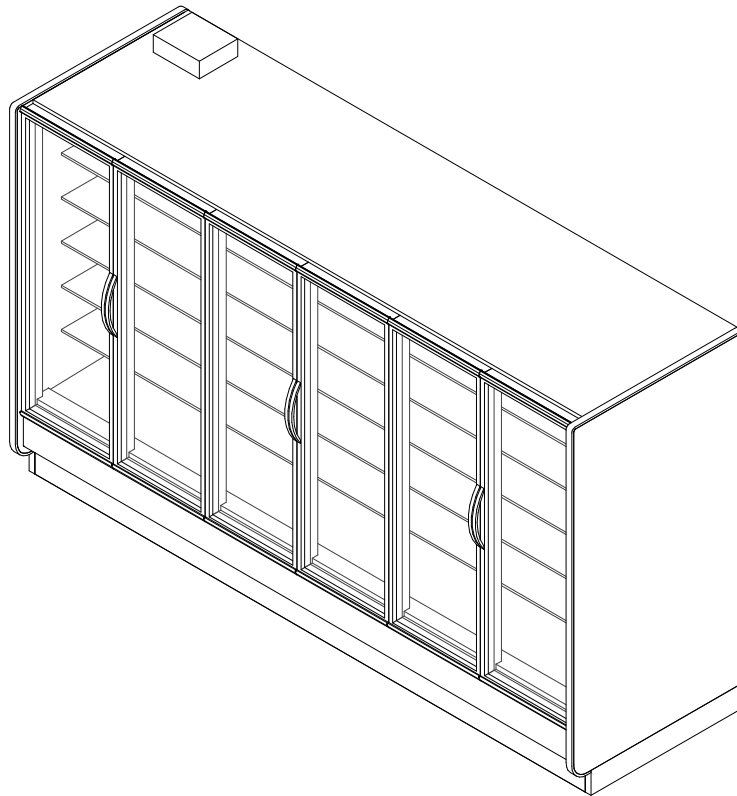


ORBRH

8' & 12' High Reach-In Rear Load Merchandiser
Beverage/Bakery/Dairy/Cut Produce/Deli/Meat/Seafood

GENERAL NOTES:

- 8-foot cases bi-swing consist of 4 (24") doors
- 12-foot cases bi-swing consist of 6 (24") doors
- 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.
- Rear loading cases are designed for the rear door to open into an operating cooler.



SHIPPING WEIGHT	
Case	Weight
ORBRH	---



COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

ORBRH

Rev. Date	Rev. #	Rev. Title
7-13-20	5	DATA UPDATE
9-26-19	4	DATA UPDATE



A DOVER COMPANY

ELECTRICAL DATA			
Case Length	Fans Per Case	High Efficiency Fans	
		120 Volt	
		Amps	Watts
8'	3	0.65	78.0
12'	4	0.87	104.0

LIGHTING DATA					
Case Length	Door Size	LED Lighting		OP7	
		Optimax Pro		French Swing	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
8'	24"	0.73	87.0	0.44	52.3
12'	24"	1.08	130.0	0.64	76.6

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
8'	24"	0.43	52	0.63	52
12'	24"	0.68	82	0.58	82

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	8'	24"	561	549	6 - 8	34	40	145	
Beverage	12'	24"	561	549	6 - 8	34	40	145	
Bakery/Dairy/Cut Produce/Deli	8'	24"	602	589	6 - 8	31	37	145	
Bakery/Dairy/Cut Produce/Deli	12'	24"	602	589	6 - 8	31	37	145	
Meat/Seafood	8'	24"	645	619	6 - 8	28	34	145	
Meat/Seafood	12'	24"	645	619	6 - 8	28	34	145	

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

Notes:

- "----" indicates that feature is not an option on this case model.
- Data listed is for Optimax Radiant. 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%.

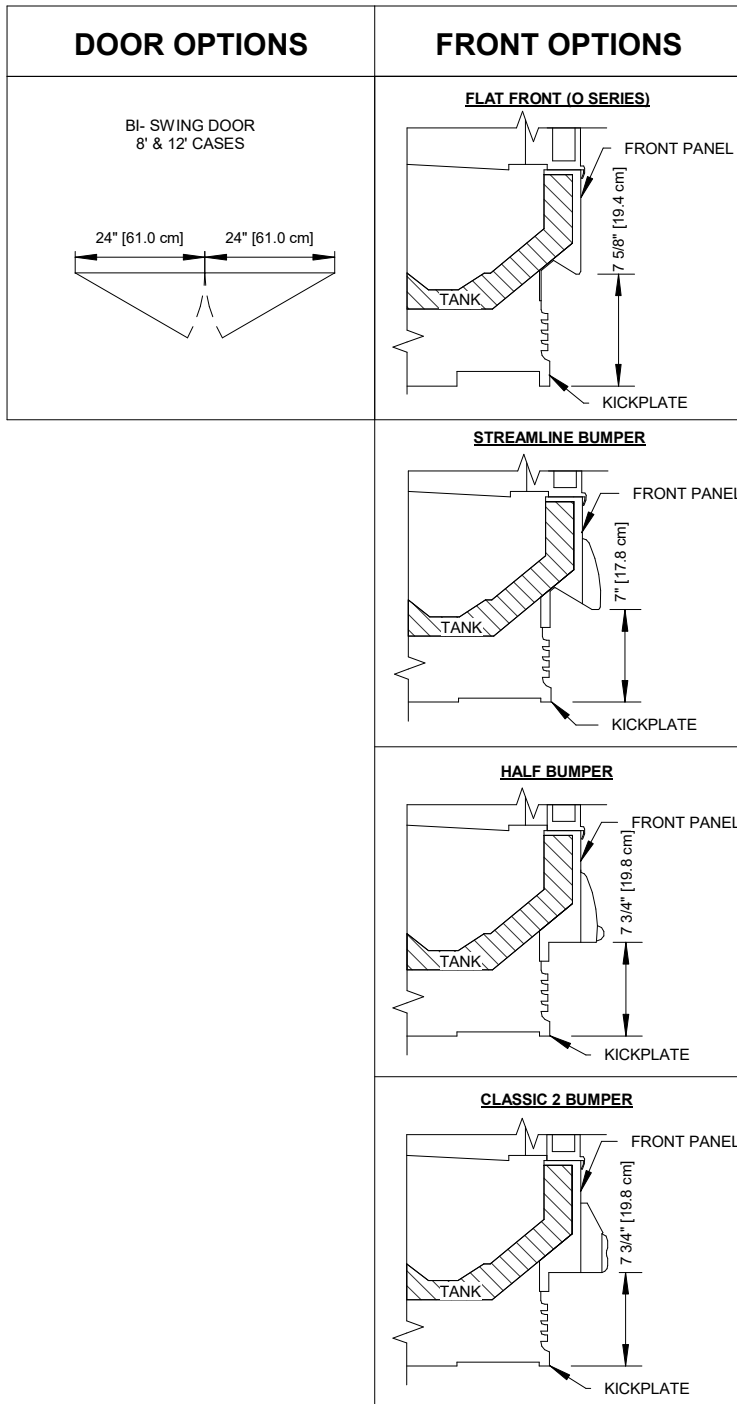


ORBRH

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

Rev. Date	Rev. #	Rev. Title
7-13-20	5	DATA UPDATE
9-26-19	4	DATA UPDATE

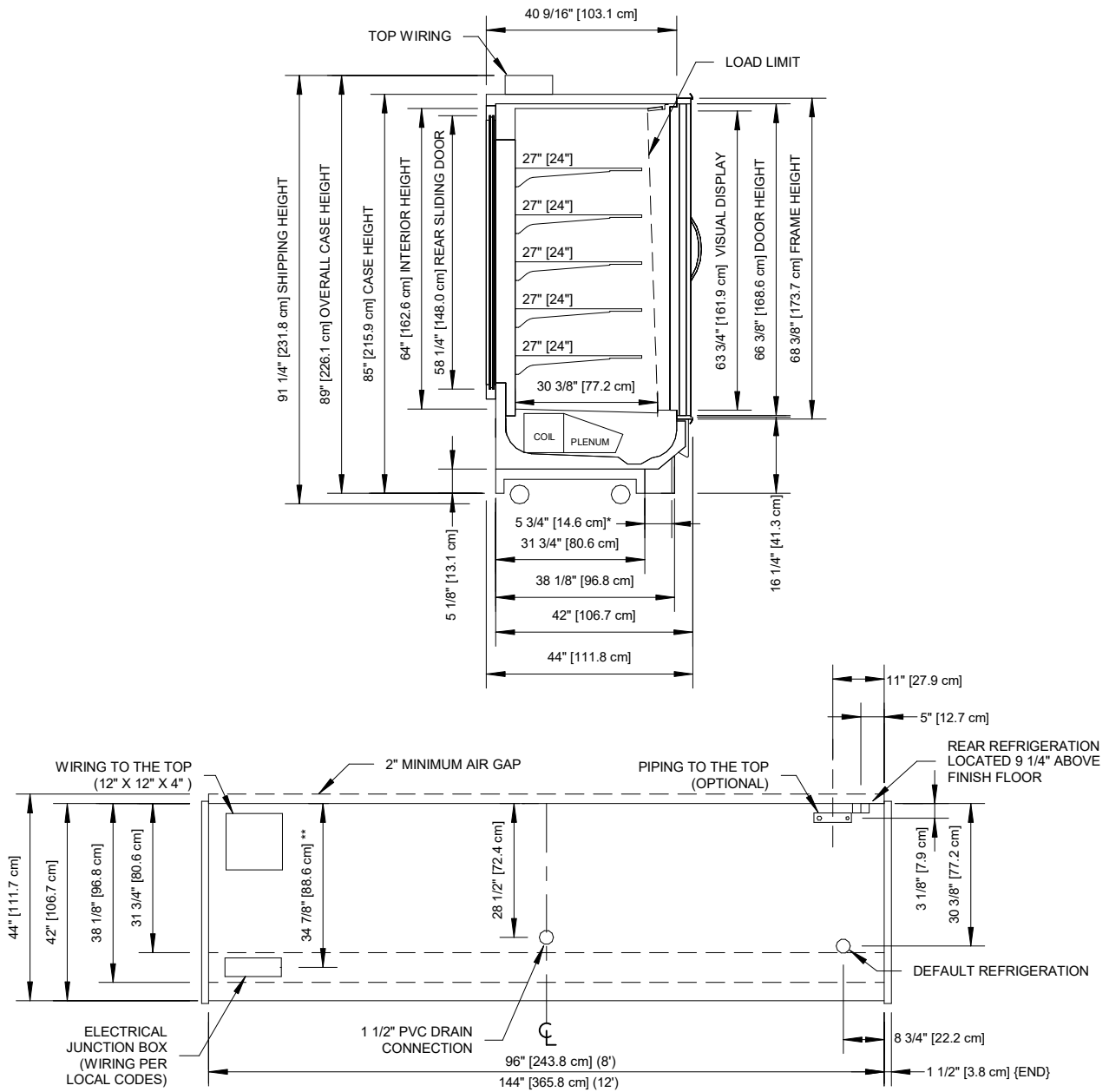




ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

ORBRH

Rev. Date	Rev. #	Rev. Title
7-13-20	5	DATA UPDATE
9-26-19	4	DATA UPDATE



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.



ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

ORBRH

Rev. Date	Rev. #	Rev. Title
7-13-20	5	DATA UPDATE
9-26-19	4	DATA UPDATE