#### **REFERENCE NOTES FOR ENGINEERING DATA:**

- "0.00" Denotes option is not available
- Engineering Reference Sheet Notes:
- BTUH/ft notes:
- Load data represents the sum of both coils.
- Listed evaporator temperature represents unlighted shelves. For lighted shelves and/or aftermarket merchandising accessories, reduce the listed evaporator temperature by 2°F.
- BTUH load increases by 132 BTUH/ft when aftermarket merchandising accessories are utilized.
- Not intended for frozen juice application.
- 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.
- Not intended for frozen juice application.

#### **REFERENCE NOTES FOR CROSS SECTIONS:**

\* Stub up area

\*\* Recommended stub-up centerline for electrical and hub drains

- Suction Line 7/8", Liquid Line 3/8"
- Dashed lines signify area inside base rail, behind kickplate
- Casters add 2 1/4" to case height



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.



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### ELECTRICAL DATA

		High Effic	ciency Fans	Anti Conden	sate Heaters	Defrost Heaters				
Case	Case Fans Per		120 Volts		120 Volts		208 Volts		240 Volts	
Length	Case	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	
8'	2	0.30	22.0	0.71	85.0	11.60	2400	13.30	3196	
12'	3	0.45	33.0	1.03	123.0	17.30	3600	20.00	7495	
12'	3	0.45	33.0	1.03	123.0	17.30	3600	20.00	7495	

## **GUIDLINES AND CONTROL SETTINGS**

	BTU	JH/ft	Super Heat Set Point		Discharge Air	Discharge Air		
Application	Conventional	Parallel	@ bulb (°F)	Evaporator (°F)	(°F)	Velocity (FPM)		
Frozen Foods	372	364	3 - 5	-12	-8	190		
Medium Temp	223	217	6 - 8	27	32	190		
Medium Temp	223	217	6 - 8	27	32	190		

## DEFROST CONTROLS

		Run- Off Time (Min)		Electrical Defrost		Timed - Off Defrost		Hot Gas Defrost	
	Defrost			Fail-Safe	Termination Temp	Fail-Safe	Termination Temp	Fail-Safe	Termination Temp
Application	Per Day	Electric	Hot Gas	(Min)	(°F)	(Min)	(°F)	(Min)	(°F)
Frozen Food	1	5	13 - 15	35	52	0.00	0.00	20	60
Medium Temp	1	5	13 - 15	40	42	45	42	20	60
Medium Temp	1	5	13 - 15	40	42	45	42	20	60

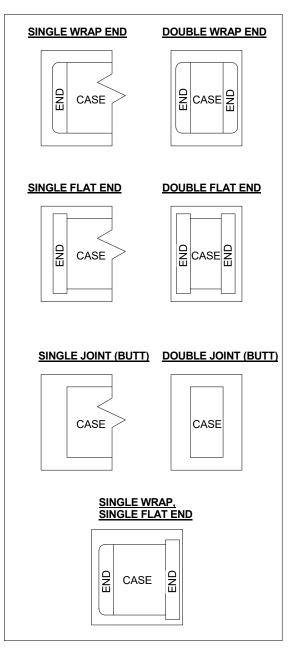


COMPONENT ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS. OIZ 1

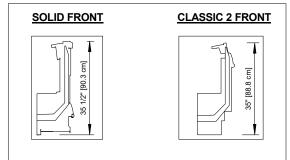




# CASE CONFIGURATIONS



## SOLID FRONT OPTIONS



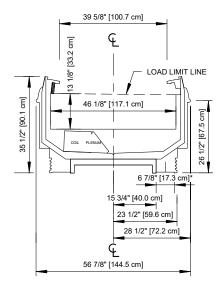


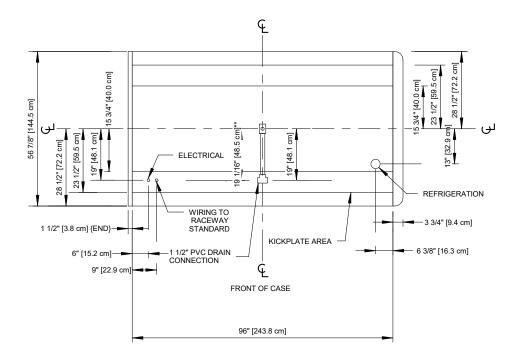
ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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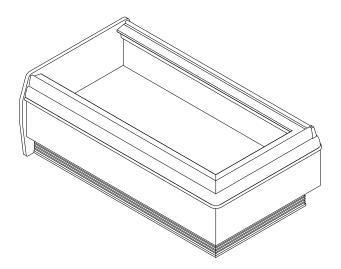




OIZ 8' 1-2

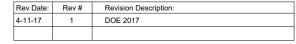




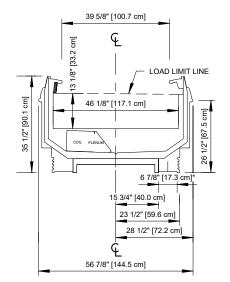


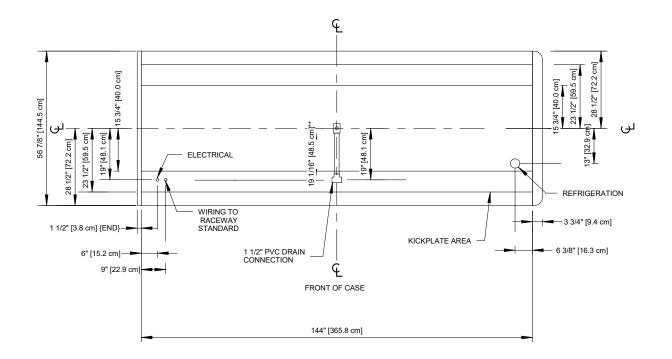


OIZ 8' 2-2







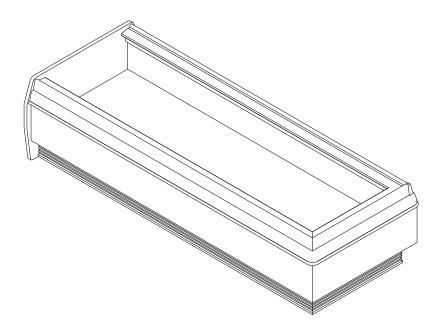




OIZ 12' 1-2

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OIZ 12' 2-2



