



Case No.: 13-1367 -EL-EEC

Mercantile Customer: The Fresh Market Store #150

Electric Utility: Duke Energy

**Program Title or
Description: HVAC/Lighting/Food Services**

Rule 4901:1-39-05(F), Ohio Administrative Code (O.A.C.), permits a mercantile customer to file, either individually or jointly with an electric utility, an application to commit the customer's existing demand reduction, demand response, and energy efficiency programs for integration with the electric utility's programs. The following application form is to be used by mercantile customers, either individually or jointly with their electric utility, to apply for commitment of such programs in accordance with the Commission's pilot program established in Case No. [10-834-EL-POR](#)

Completed applications requesting the cash rebate reasonable arrangement option (Option 1) in lieu of an exemption from the electric utility's energy efficiency and demand reduction (EEDR) rider will be automatically approved on the sixty-first calendar day after filing, unless the Commission, or an attorney examiner, suspends or denies the application prior to that time. Completed applications requesting the exemption from the EEDR rider (Option 2) will also qualify for the 60-day automatic approval so long as the exemption period does not exceed 24 months. Rider exemptions for periods of more than 24 months will be reviewed by the Commission Staff and are only approved up the issuance of a Commission order.

Complete a separate application for each customer program. Projects undertaken by a customer as a single program at a single location or at various locations within the same service territory should be submitted together as a single program filing, when possible. Check all boxes that are applicable to your program. For each box checked, be sure to complete all subparts of the question, and provide all requested additional information. Submittal of incomplete applications may result in a suspension of the automatic approval process or denial of the application.

Any confidential or trade secret information may be submitted to Staff on disc or via email at ee-pdr@puc.state.oh.us.

Section 1: Mercantile Customer Information

Name: **The Fresh Market Store #150**

Principal address: **7720 Voice of America Centre Drive, West Chester, Ohio 45069**

Address of facility for which this energy efficiency program applies:

7720 Voice of America Centre Drive, West Chester, Ohio 45069

Name and telephone number for responses to questions:

Megan Fox, 513-287-3367

Electricity use by the customer (check the box(es) that apply):

- ☐ The customer uses more than seven hundred thousand kilowatt hours per year at the above facility. (Please attach documentation.)
- ✓ **The customer is part of a national account involving multiple facilities in one or more states. (Please refer to Attachment 1 – Appendix 1)**

Section 2: Application Information

A) The customer is filing this application (choose which applies):

- ☐ Individually, without electric utility participation.
- ✓ **Jointly with the electric utility.**

B) The electric utility is: **Duke Energy**

C) The customer is offering to commit (check any that apply):

- ☐ Energy savings from the customer's energy efficiency program. (Complete Sections 3, 5, 6, and 7.)
- ☐ Capacity savings from the customer's demand response/demand reduction program. (Complete Sections 4, 5, 6, and 7.)
- ✓ **Both the energy savings and the capacity savings from the customer's energy efficiency program. (Complete all sections of the Application.)**

Section 3: Energy Efficiency Programs

A) The customer's energy efficiency program involves (check those that apply):

- ☐ Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, and the date on which the customer would have replaced such equipment if it had not been replaced early. Please include a brief explanation for how the customer determined this future replacement date (or, if not known, please explain why this is not known)).
- ☐ Installation of new equipment to replace equipment that needed to be replaced. The customer installed new equipment on the following date(s):
- ☒ Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s): **August 2012.**
- ☐ Behavioral or operational improvement.

B) Energy savings achieved/to be achieved by the energy efficiency program:

- 1) If you checked the box indicating that the project involves the early replacement of fully functioning equipment replaced with new equipment, then calculate the annual savings [(kWh used by the original equipment) - (kWh used by new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: _____kWh

- 2) If you checked the box indicating that the customer installed new equipment to replace equipment that needed to be replaced, then calculate the annual savings [(kWh used by less efficient new equipment) - (kWh used by the higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: _____kWh

Please describe any less efficient new equipment that was rejected in favor of the more efficient new equipment.

- 3) If you checked the box indicating that the project involves equipment for new construction or facility expansion, then calculate the annual savings [(kWh used by less efficient new equipment) - (kWh used by higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: **36,391 kWh (See Attachment 1 - Appendix 2)**

Please describe the less efficient new equipment that was rejected in favor of the more efficient new equipment.

- 4) If you checked the box indicating that the project involves behavioral or operational improvements, provide a description of how the annual savings were determined.
-

Section 4: Demand Reduction/Demand Response Programs

A) The customer's program involves (check the one that applies):

- ☒ **Coincident peak-demand savings from the customer's energy efficiency program.**
- ☐ Actual peak-demand reduction. (Attach a description and documentation of the peak-demand reduction.)
- ☐ Potential peak-demand reduction (check the one that applies):
 - ☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a tariff of a regional transmission organization (RTO) approved by the Federal Energy Regulatory Commission.
 - ☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a program that is equivalent to an RTO program, which has been approved by the Public Utilities Commission of Ohio.

B) On what date did the customer initiate its demand reduction program?

August 2012

C) What is the peak demand reduction achieved or capable of being achieved (show calculations through which this was determined):

6.22 KW (See Attachment 1 - Appendix 2)

Section 5: Request for Cash Rebate Reasonable Arrangement (Option 1) or Exemption from Rider (Option 2)

Under this section, check the box that applies and fill in all blanks relating to that choice.

Note: If Option 2 is selected, the application will not qualify for the 60-day automatic approval. All applications, however, will be considered on a timely basis by the Commission.

A) The customer is applying for:

☒ **Option 1: A cash rebate reasonable arrangement.**

OR

☐ Option 2: An exemption from the energy efficiency cost recovery mechanism implemented by the electric utility.

OR

☐ Commitment payment

B) The value of the option that the customer is seeking is:

Option 1: A cash rebate reasonable arrangement, which is the lesser of (show both amounts):

☒ A cash rebate of **\$1804.50 (See Attachment 1 - Appendix 3).**

Option 2: An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider.

☐ An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for ____ months (not to exceed 24 months). (Attach calculations showing how this time period was determined.)

OR

☐ A commitment payment valued at no more than \$_____. (Attach documentation and calculations showing how this payment amount was determined.)

OR

- ☐ Ongoing exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for an initial period of 24 months because this program is part of the customer's ongoing efficiency program. (Attach documentation that establishes the ongoing nature of the program.) In order to continue the exemption beyond the initial 24 month period, the customer will need to provide a future application establishing additional energy savings and the continuance of the organization's energy efficiency program.)

Section 6: Cost Effectiveness

The program is cost effective because it has a benefit/cost ratio greater than 1 using the (choose which applies):

- ☐ Total Resource Cost (TRC) Test. The calculated TRC value is: _____
(Continue to Subsection 1, then skip Subsection 2)
- ☒ Utility Cost Test (UCT). **(See Attachment 1 - Appendix 4)**

Subsection 1: TRC Test Used (please fill in all blanks).

The TRC value of the program is calculated by dividing the value of our avoided supply costs (generation capacity, energy, and any transmission or distribution) by the sum of our program overhead and installation costs and any incremental measure costs paid by either the customer or the electric utility.

The electric utility's avoided supply costs were _____.

Our program costs were _____.

The incremental measure costs were _____.

Subsection 2: UCT Used (please fill in all blanks).

We calculated the UCT value of our program by dividing the value of our avoided supply costs (capacity and energy) by the costs to our electric utility (including administrative costs and incentives paid or rider exemption costs) to obtain our commitment.

Our avoided supply costs were **\$18,991 (See Attachment 1 - Appendix 5).**

The utility's program costs were **\$1,215 (See Attachment 1 - Appendix 6).**

The utility's incentive costs/rebate costs were **\$1,804.50 (See Attachment 1 - Appendix 3).**

Section 7: Additional Information

Please attach the following supporting documentation to this application:

Narrative description of the program including, but not limited to, make, model, and year of any installed and replaced equipment.

A copy of the formal declaration or agreement that commits the program or measure to the electric utility, including:

- 1) any confidentiality requirements associated with the agreement;
- 2) a description of any consequences of noncompliance with the terms of the commitment;
- 3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
- 4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
- 5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.

Refer to Offer Letter following this application

A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.



DUKE ENERGY
Mercantile Self Direct Program
139 East Fourth Street
Cincinnati, OH 45202
513 629 5572 fax

May 22, 2013

Mr. Marcello Crestani
The Fresh Market Store #150
7720 Voice of America Centre Drive
West Chester, Ohio 45069

Subject: Your Application for a Duke Energy Mercantile Self-Direct Rebate

Dear Mr. Crestani:

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page two, a total rebate of \$1804.50 has been proposed for your Food Service, HVAC and Lighting projects completed in the 2012 calendar year. **All Self Direct Rebates are contingent upon approval by the Public Utilities Commission of Ohio (PUCO).**

At your earliest convenience, please indicate if you accept this rebate by

- providing your signature on page two
- completing the PUCO-required affidavit on page three.

Please return the documents to my attention via fax at 513-629-5572 or e-mail to SelfDirect@Duke-Energy.com. Upon receipt, Duke Energy will submit the necessary documentation to PUCO. Following PUCO's approval, Duke Energy will remit payment.

At Duke Energy, we value your business and look forward to working with you on this and future energy efficiency projects. We hope you will consider our Smart Saver® incentives, when applicable. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Grady Reid, Jr.'.

Grady Reid, Jr
Product Manager
Mercantile Self Direct Rebates

cc: Donnell Corbert, Duke Energy
Rob Jung, Ecova

Please indicate your response to this rebate offer within 30 days of receipt.

☒ Rebate is accepted.

☐ Rebate is declined.

By accepting this rebate, The Fresh Market affirms its intention to commit and integrate the energy efficiency projects listed on the following pages into Duke Energy's peak demand reduction, demand response and/or energy efficiency programs.

Additionally, The Fresh Market also agrees to serve as joint applicant in any future filings necessary to secure approval of this arrangement as required by PUCO and to comply with any information and reporting requirements imposed by rule or as part of that approval.

Finally, The Fresh Market affirms that all application information submitted to Duke Energy pursuant to this rebate offer is true and accurate. Information in question would include, but not be limited to, project scope, equipment specifications, equipment operational details, project costs, project completion dates, and the quantity of energy conservation measures installed.

If rebate is accepted, will you use the monies to fund future energy efficiency and/or demand reduction projects?

☒ YES

☐ NO

If rebate is declined, please indicate reason (optional):



Customer Signature

Paul Poole

Printed Name

11/5/2013

Date

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	Refrigerated or Freezer Display Case Motors (Qty 77)	\$1424.50
ECM-2	HVAC - less than 65,000 BTUH (3 Phase) (Qty 4)	\$140.00
ECM-3	Occupancy Sensors Under 500 W	\$240.00
Total		\$1804.50

Ohio | Public Utilities Commission

Application to Commit
Energy Efficiency/Peak
Demand Reduction
Programs
(Mercantile Customers
Only)

Case No.: ____ - ____ -EL-EEC

State of Ohio :

Paul Poole, Affiant, being duly sworn according to law, deposes and says that;

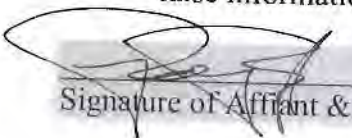
1. I am the duly authorized representative of;

The Fresh Market, Inc.

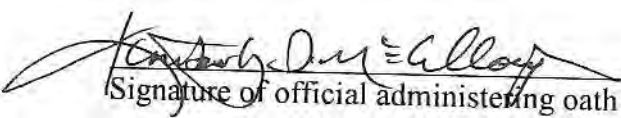
[insert customer or EDU company name and any applicable name(s) doing business as]

2. I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.

3. I am aware of fines and penalties which may be imposed under Ohio Revised Code Sections 2921.11, 2921.31, 4903.02, 4903.03, and 4903.99 for submitting false information.

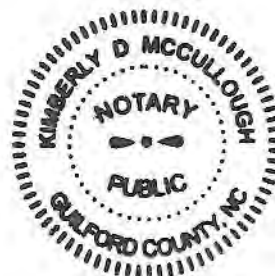

Signature of Affiant & Title

Sworn and subscribed before me this 12th day of June,
2013 Month/Year


Signature of official administering oath

Kimberly D. McCullough
Print Name and Title

My commission expires on 6/12/2015



Attachment 1 – The Fresh Market Store #150

Appendix 1 – Electric History

17203621 01				31503754 02	
THE FRESH MARKET				Electric Meter#108078007 - Rate DS01	
3088 MADISON RD				THE FRESH MARKET	
CINCINNATI, OH 45209				7720 VOICE OF AMERICA CENT DR	
				WEST CHESTER, OH 45069	
Date	Days	Actual KWH		Date	Days
12/19/2012	33	65,644		12/12/2012	33
11/16/2012	29	61,833		11/9/2012	29
10/18/2012	29	67,349		10/11/2012	29
9/19/2012	30	82,336		9/12/2012	30
8/20/2012	31	92,799		8/13/2012	31
7/20/2012	30	95,343		7/13/2012	15
6/20/2012	30	84,669		Total	294,880
5/21/2012	31	76,089			
4/20/2012	30	67,644			
3/21/2012	29	63,982			
2/21/2012	29	57,259			
1/23/2012	34	67,610			
Total		882,557			

Appendix 2 – Annual kWh and kW savings

Measure	Annual kWh Gross with Saving Per Measure	Measure Amount	TOTAL Annual kWh Saved	KW Gross with Savings Per Measure	Total KW Savings
ECM Refrigerated or Freezer Display Case Motors	382.46	77	29449	0.06	4.62
Less than 65,000 BTUH (3 Phase)	45.76	14	640	0.02	0.28
Under 500 W connected to sensor	525.15	12	6301	0.11	1.32
Total		103	36,391		6.22

Calculations below are for Display Case Motors and Occupancy Sensors under 500 Watts

Existing Energy kWh (Per Measure)	New Energy kWh (Per Measure)	Annual kWh Losses (Per Measure)	Total Annual kWh Saved	Existing KW Per Measure (Per Measure)	New KW (Per Measure)	New KW (Per Measure)	Total kW Savings
490	135	356	27,374	0.06	0.02	0.04	3.12
1637	1146	491	5892	0.33	0.23	0.10	1.20

Calculation below is for AC less than 65,000 BTUH

Existing Equipment Assumptions	New Equipment Assumptions	Baseline Annual kWh Savings Per Measure	Baseline Annual KW Savings Per Measure	Total kWh Savings	Total kW Savings
Base efficiency is assumed to be 12.0 SEER. A market average of building types and an AC system with gas heat are also assumed.	New efficiency is assumed to be 13 SEER. A market average of building types and an AC system with gas heat are assumed	43	0.02	602	0.28

Appendix 3 – Cash Rebate

Measure	Amount
ECM Refrigerated or Freezer Display Case Motors	\$1,425
Less than 65,000 BTUH (3 Phase)	\$140
Under 500 W connected to sensor	\$240
Total	\$1,804.50

Appendix 4 – Utility Cost Test

Measure	UCT
ECM Refrigerated or Freezer Display Case Motors	6.51
Less than 65,000 BTUH (3 Phase)	1.74
Under 500 W connected to sensor	10.21

Appendix 5 – Avoided Supply Costs

Measure	T&D	Production	Capacity	Quantity	Total Avoided Costs
ECM Refrigerated or Freezer Display Case Motors	\$14.13	\$156.28	\$44.00	77	\$16,509
Less than 65,000 BTUH (3 Phase)	\$3.17	\$16.37	\$9.88	14	\$412
Under 500 W connected to sensor	\$16.54	\$117.17	\$38.75	12	\$2,070
Total				103	\$18,991

Appendix 6 – Utility Program Costs

Measure	Qty	Admin Costs	Total Costs
ECM Refrigerated or Freezer Display Case Motors	77	\$13.44	\$1,035
Less than 65,000 BTUH (3 Phase)	14	\$6.89	\$96
Under 500 W connected to sensor	12	\$7.00	\$84
Total	103		\$1,215

Ohio Mercantile Self Direct Program

Application Guide & Cover Sheet

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email this form along with completed Mercantile Self Direct Prescriptive or Custom applications, proof of payment, energy savings calculations and spec sheets to SelfDirect@Duke-Energy.com. You may also fax to 1-513-629-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☒ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

Please list Duke Energy account numbers below (attach listing of multiple accounts and/or billing history for other utilities as required):

Account Number	Annual Usage	Account Number	Annual Usage
Duke			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives are applicable to Prescriptive measures that were installed more than 90 days prior to submission to Duke Energy and have not previously received a Duke Energy Prescriptive rebate.

Self Direct Program requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion of the following program requirements:

<input checked="" type="checkbox"/> All sections of appropriate application(s) are completed	<input checked="" type="checkbox"/> Proof of payment.*	<input checked="" type="checkbox"/> Manufacturer's Spec sheets	<input type="checkbox"/> Energy model/calculations and detailed inputs for Custom applications
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* If a single payment record is intended to demonstrate the costs of both Prescriptive & Custom projects, please include an additional document with an estimated breakout of costs for each Prescriptive and Custom energy conservation measure.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input checked="" type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Chiller Tune-ups	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Air Compressors	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option.

**** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Heating / Cooling Equipment Incentive Application

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com, or fax to 513-629-5572

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

Building Type – Required (check one)		
<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input type="checkbox"/> Food Sales/Grocery	<input checked="" type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		
How did you hear about the program? (check one)		
<input type="checkbox"/> Duke Energy Representative	<input checked="" type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other _____	

Please check each box to indicate completion of the following program requirements:

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input checked="" type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
---	--	---	---

Customer Information					
Customer/Business	The Fresh	Contact	Marcello		
Phone	215 732 4480	Account Number	3150-3754-02-		
Street Address (Where incentive should be mailed)		PO Box 15787 (Dept			
City	Philadelphi	State	P/	Zip Code	1910
Installation Street Address		7720 Voice of America Centre			
City	West	State		Zip Code	4506
E-mail Address	mcrestani@realwinwin.com				

***Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.**

Vendor Information					
Vendor	Seasons-4.	Contact			
Phone		Fax			
Street Address		4500 Industrial Access			
City	Douglasville	State	G/	Zip Code	30134-394
E-mail Address					

If Duke Energy has questions about this application, who should we contact? ☒ **Customer** ☐ **Vendor**

Payment Information		
Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	<i>Marcello Crestani</i>
	Date	12/5/201
Provide Tax ID Number for Payee	Customer Tax ID #	56-131123
	Vendor Tax ID #	

Terms and Conditions			
I have read and hereby agree to the Terms & Conditions and Program Requirements.			
Customer Signature	<i>Marcello Crestani</i>	Vendor Signature	
Date	12/5/201	Date	
Title	Project	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

The Equipment below is (check one): ☒ New Equipment / New Construction
 Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

Central Air Unit Incentives (Rooftop and Unitary AC and HEAT PUMPS*)										
Description	Make/Model # (for split system, supply both the indoor and outdoor coil numbers)	# of Units	Tons Per Unit	Incentives per Ton**	Installed AHRI Efficiency Rating (mark one)	AHRI Reference Number (required)***	Annual Operating Hours (min. of 1500)	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
C	Lennox LGH060	1	5	\$10	X 3607650 <input type="checkbox"/> 4264 SEER/EER**	\$ 8/22/12	\$50			
C	Lennox LGH036	3	3	\$10	x 3607626 <input type="checkbox"/> 4264 SEER/EER**	\$ 8/22/12	\$90			
					<input type="checkbox"/> <input type="checkbox"/> SEER/EER**					
					<input type="checkbox"/> <input type="checkbox"/> SEER/EER**					
					<input type="checkbox"/> <input type="checkbox"/> SEER/EER**					

** Incentive capped at 50% of the equipment cost.

Cooling Incentive Table and AHRI Rated Efficiency Requirements*			
Description	Size Range	Minimum AHRI Efficiency	Incentive
Packaged Terminal Air Conditioning			
A	All sizes	See ** below	\$10/unit
Unitary and Rooftop Air Conditioning			
B	<65,000 BTUH (1 Phase)	14.5 SEER/split system; 14 SEER/single package system	\$12.50/ton
C	<65,000 BTUH (3 Phase)	12.0 EER/split system; 11 EER/single package system	\$10/ton
D	65,000-135,000 BTUH	11.0 EER	\$12.50/ton
E	136,000-240,000 BTUH	11.0 EER	\$20/ton
F	241,000-760,000 BTUH	10.0 EER	\$10/ton
G	>760,000 BTUH	10.0 EER	\$15/ton
Unitary and Rooftop Heat Pump – only Air-to-Air Heat Pump units qualify			
H	<65,000 BTUH (1 Phase)	14.5 SEER/split system; 14 SEER/single package system	\$12.50/ton
I	<65,000 BTUH (3 Phase)	12.0 EER split system; 11 EER/single package system	\$10/ton
J	65,000-135,000 BTUH	11.0 EER	\$17.50/ton
K	136,000-240,000 BTUH	10.0 EER	\$17.50/ton
L	>241,000 BTUH	10.0 EER	\$17.50/ton

** PTAC Minimum Efficiency (EER) calculation: $12.8 \text{ EER} - (.213 \times (\text{BTUH}/1000))$
 **** Incentive capped at 50% of the equipment cost.

- Duke Energy requires an AHRI reference # or documentation from the AHRI Manual to verify the required efficiency level for all central air systems. If the equipment or matched set is not in the AHRI manual, the manufacturer's technical fact sheets must be provided showing the efficiency level tested under AHRI conditions. Equipment capacity (size) and efficiency must be based on AHRI design conditions.
- For split systems, the indoor coil and condenser must be a matched set to be eligible for incentives.
- Cooling system(s) must operate >1,500 hours annually to be eligible.
- Incentives are only available for Air-to-Air HP units. Ground Source and Water Source Heat Pumps are not eligible. Incentives may be available under the custom program. See custom application on the Duke Energy Mercantile Self Direct website for application and equipment requirements.**
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.

Ohio Mercantile Self Direct Program

Application Guide & Cover Sheet

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email this form along with completed Mercantile Self Direct Prescriptive or Custom applications, proof of payment, energy savings calculations and spec sheets to SelfDirect@Duke-Energy.com. You may also fax to 1-513-629-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☒ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

Please list Duke Energy account numbers below (attach listing of multiple accounts and/or billing history for other utilities as required):

Account Number	Annual Usage	Account Number	Annual Usage
Duke			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives are applicable to Prescriptive measures that were installed more than 90 days prior to submission to Duke Energy and have not previously received a Duke Energy Prescriptive rebate.

Self Direct Program requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion of the following program requirements:

<input type="checkbox"/> All sections of appropriate application(s) are completed	<input type="checkbox"/> Proof of payment.*	<input type="checkbox"/> Manufacturer's Spec sheets	<input type="checkbox"/> Energy model/calculations and detailed inputs for Custom applications
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* If a single payment record is intended to demonstrate the costs of both Prescriptive & Custom projects, please include an additional document with an estimated breakout of costs for each Prescriptive and Custom energy conservation measure.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Chiller Tune-ups	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input checked="" type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Air Compressors	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option. **** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Food Services Incentive Application

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-629-5572.

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

Building Type – Required (check one)		
<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input type="checkbox"/> Food Sales/Grocery	<input checked="" type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		
How did you hear about the program? (check one)		
<input type="checkbox"/> Duke Energy Representative	<input checked="" type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other _____	

Please check each box to indicate completion of the following program requirements:

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
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Customer Information					
Customer/Business	The Fresh Market, Inc.		Contact	Marcello Crestani	
Phone	215-732-4480 x234		Account Number	5130-9754102	
Street Address (Where incentive should be mailed)			P.O. Box 15787 (Dept. 95729)		
City	Philadelphia	PA	State	19103	Zip Code
Installation Street Address	7720 Voice of America Centre Drive				
City	West Chester	OH	State	45069	Zip Code
E-mail Address	mcrestani@realwinwin.com				

***Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.**

Vendor Information					
Vendor			Contact		
Phone			Fax		
Street Address					
City			State		Zip Code
E-mail Address					

If Duke Energy has questions about this application, who should we contact? ☐ Customer ☐ Vendor

Payment Information		
Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	<i>Marcello Crestani</i>
	Date	12/5/2011
Provide Tax ID Number for Payee	Customer Tax ID #	56-131123
	Vendor Tax ID #	

Terms and Conditions			
I have read and hereby agree to the Terms & Conditions and Program Requirements.			
Customer Signature	<i>Marcello Crestani</i>	Vendor Signature	
Date	12/5/2011	Date	
Title	Project	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

The Equipment below is (check one): ☐ New Equipment / New Construction
 Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

ECM Cooler, Freezer, and Display Case Motors

Description	Incentive*	Make/Model #	# of Motors	Horse Power	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
ECM Walk-In Cooler and Freezer Motors – ECM replacing PSC (retrofit only)	\$18.50/motor						
ECM Walk-In Cooler and Freezer Motors – ECM replacing SP (retrofit only)	\$18.50/motor						
ECM Refrigerated or Freezer Display Case Motors <input type="checkbox"/> Retrofit <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Failed Equipment	\$18.50/motor	See attached invoice & spec	77	See	116916.2	8/22/201	\$1424.5

*Incentive capped at 50% of the project cost (equipment and external labor only)

- Incentives for walk-in coolers and freezers are available for replacement of existing motors on cooling evaporator fans only. Condenser fan motors are not eligible.
- Incentives for ECM Display Case Motors are available for new display cases or replacement of existing display case motors.
- Incentives are not available for new walk-in freezers and coolers.
- ECM motors installed on new Energy Star reach-in solid or glass door refrigerators and freezers do not qualify for incentives.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.

The Equipment below is (check one): ☐ New Equipment / New Construction
 Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

Cooking Equipment

Description	Incentive*	Make/Model #	# of Units	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
ENERGY STAR Fryer – (electric)	\$75.00/fryer					
ENERGY STAR Steam Cookers – (electric) (select pan size) <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	\$300.00/cooker					
ENERGY STAR Commercial Convection Oven – (electric)	\$100.00/oven					
ENERGY STAR Commercial Griddle – (electric)	\$100.00/griddle					
Commercial Combination Oven (90 lbs/hr) – (electric)	\$500.00/oven					

- **ENERGY STAR** Fryer (electric) – Must be electric, commercial fryer and listed on **ENERGY STAR** qualified list: www.energystar.gov
- **ENERGY STAR** Steam Cookers (electric) – Must be electric, commercial steam cooker and listed on **ENERGY STAR** qualified list: www.energystar.gov
- **ENERGY STAR** Commercial Convection Oven (electric) – Must be electric, commercial oven and listed on **ENERGY STAR** qualified list: www.energystar.gov
- **ENERGY STAR** Commercial Griddle (electric) – Must be electric, commercial griddle and listed on **ENERGY STAR** qualified list: www.energystar.gov
- Commercial Combination Oven (electric) – The tested oven must meet or exceed heavy load cooking energy efficiency of 60% utilizing ASTM Standard F1639.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Incentive capped at 50% of the equipment cost

Ohio Mercantile Self Direct Program

Application Guide & Cover Sheet

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email this form along with completed Mercantile Self Direct Prescriptive or Custom applications, proof of payment, energy savings calculations and spec sheets to SelfDirect@Duke-Energy.com. You may also fax to 1-513-629-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☐ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

Please list Duke Energy account numbers below (attach listing of multiple accounts and/or billing history for other utilities as required):

Account Number	Annual Usage	Account Number	Annual Usage
Duke 3150-3754-02-1			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives are applicable to Prescriptive measures that were installed more than 90 days prior to submission to Duke Energy and have not previously received a Duke Energy Prescriptive rebate.

Self Direct Program requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion of the following program requirements:

<input checked="" type="checkbox"/> All sections of appropriate application(s) are completed	<input checked="" type="checkbox"/> Proof of payment.*	<input checked="" type="checkbox"/> Manufacturer's Spec sheets	<input checked="" type="checkbox"/> Energy model/calculations and detailed inputs for Custom applications
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* If a single payment record is intended to demonstrate the costs of both Prescriptive & Custom projects, please include an additional document with an estimated breakout of costs for each Prescriptive and Custom energy conservation measure.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input checked="" type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Chiller Tune-ups	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>	MSD Prescriptive Chiller Tune-ups <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Air Compressors	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom Compressed Air Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option.

**** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Lighting Incentive Application

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-629-5572.

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

Building Type – Required (check one)		
<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input checked="" type="checkbox"/> Food Sales/Grocery	<input type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		
How did you hear about the program? (check one)		
<input type="checkbox"/> Duke Energy Representative	<input type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other _____	

Please check each box to indicate completion of the following program requirements:

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input checked="" type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
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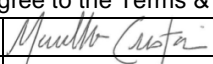
Customer Information			
Customer/Business	The Fresh Market	Manager Crestani	
Phone	2157324480 x234	Account Number	3150-3754-02-1
Street Address (Where incentive should be mailed)		PO Box 15787 (Dept #95729)	
City	Philadelphia PA	State	19103 Zip Code
Installation Street Address		7720 Voice of America Centre Drive	
City	West Chester OH	State	45069 Zip Code
E-mail Address	mcrestani@realwinwin.com		

***Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.**

Vendor Information			
Vendor	Illuminating Technologies	Contact	
Phone	336 230 1490	Fax	
Street Address		PO Drawer 18463	
City	Greensboro NC	State	27419 Zip Code
E-mail Address			

If Duke Energy has questions about this application, who should we contact? ☐ Customer ☐ Vendor

Payment Information		
Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	
	Date	
Provide Tax ID Number for Payee	Customer Tax ID #	56-1311233
	Vendor Tax ID #	

Terms and Conditions			
I have read and hereby agree to the Terms & Conditions and Program Requirements.			
Customer Signature		Vendor Signature	
Date	1/8/2013	Date	
Title	Project Manager	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

Measure	Incentive	Qty	Annual Operating Hrs (minimum of 1800)	Equipment cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
21" Tubular Skylight/Light Tube (at least one light fixture per light tube must be controlled by a "daylight" sensor (no additional daylight sensor incentive applies) Check One ** <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$37.50 / fixture					
LED Exit Signs (replacing or retrofitting existing incandescent or compact fluorescent exit sign) Check one <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$5.00 / fixture					
LED Lighting In Reach-in Freezer or Cooler Case (replacing fluorescent fixtures) Model Number	\$25.00 / door					
LED Case Lighting Sensor Controls Check one <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number Model Number	5.00 / sensor					
Under 500 W connected to sensor check one <input type="checkbox"/> R <input checked="" type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$10.00 / sensor	12	426	\$1119.9	8/22/201	\$12
Over 500 W connected to sensor check one <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$20.00 / sensor					

- Replacement must result in energy savings to qualify
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- Tubular Skylight requires at least one light fixture per light tube that must be controlled by a "daylight" sensor (no additional daylight sensor incentive applies)
- LED exit signs shall use 5 watts or less including the battery charger when active. They must meet State Fire Marshal codes and be UL rated.
- Occupancy Sensors (under and over 500) must be either wall, ceiling, or fixture mounted. Rapid or programmed start ballasts are recommended for fluorescent fixtures.
- Occupancy Sensors (under 500W) installed on or built into High Bay fixtures are eligible for incentives.
- LED Lighting in Reach-in Freezer or Cooler Case: Must install a LED lighting system and replace (or in lieu of) a fluorescent lighting system for reach-in refrigerated display case.
- Fluorescent magnetic ballasts cannot be used to power the LED case lighting system. Existing fluorescent fixture end connectors and ballasts must be removed.
- LED case lighting system must be a permanently installed luminaire. LED lamps that install into fluorescent lamp sockets are not eligible for incentives.
- LED Case Lighting Sensor Controls may only be installed with LED lighting systems. End of aisle and individual case sensors qualify.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062068-IN
Invoice Date: 6/7/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19530		IT	Net 30	7/7/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
DPS2G18LS332UNV	EACH	10.00	10.00	0.00	72.2000	722.00
DPS2G18LS332UNVH3		Whse: 000				
FBP-50	EACH	4.00	4.00	0.00	101.0000	404.00
EMERGENCY BALLAST 1400lum ON (1) F32T8		Whse: 000				
41126	EACH	36.00	36.00	0.00	11.9100	428.76
F32T8/SPX35/ECO/CVG		Whse: 000				
SPS2GFSVA317UNV	EACH	2.00	2.00	0.00	65.0000	130.00
SPS2GFSVA317UNVH3 3 LAMP W/UNV BALLAST		Whse: 000				
15975	EACH	6.00	6.00	0.00	12.9300	77.58
F17T8SPX35ECOCVG		Whse: 000				
6004NBK	EACH	12.00	12.00	0.00	16.3500	196.20
4' BASIC PLAIN TRACK - BLACK		Whse: 000				
6008NBK	EACH	137.00	137.00	0.00	24.1800	3,312.66
8' BASIC PLAIN TRACK - BLACK		Whse: 000				
6048NBK	EACH	32.00	32.00	0.00	6.1200	195.84
BASIC LIVE END		Whse: 000				
6049NBK	EACH	97.00	97.00	0.00	5.8500	567.45
BASIC MINI COUPLER		Whse: 000				
6050NBK	EACH	15.00	15.00	0.00	13.4700	202.05
"L" CONNECTOR FOR ADVENT TRACK		Whse: 000				
6053NBK	EACH	5.00	5.00	0.00	21.1200	105.60
VARIABLE ANGLE CONNECTOR FOR ADVENT TRACK		Whse: 000				
KP2GVA332UNVH3	EACH	20.00	20.00	0.00	49.2700	985.40
3L TROFFER 2X4 "BB" UNIVERSAL		Whse: 000				
KP2GVA332120H3	EACH	7.00	7.00	0.00	117.8500	824.95
XP2GVA332120H3-E1		Whse: 000				
SW8T232HPF/UNVH	EACH	42.00	42.00	0.00	51.7700	2,174.34
SW8T232HPFUNVH4 8FT. STRIP FIX 4-LAMP T-8, UNV BAL		Whse: 000				
AWG3W CSP	EACH	12.00	12.00	0.00	9.0000	108.00
AWG3CSP 4' WIRE GUARD		Whse: 000				

Continued

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062068-IN
Invoice Date: 6/7/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms		Invoice Due Date	
19530		IT	Net 30		7/7/2012	
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
LLNURW	EACH	12.00	12.00	0.00	22.3500	268.20
LED EXIT-WHITE		Whse: 000				
LLNURW2	EACH	5.00	5.00	0.00	52.9400	264.70
EXIT W/REMOTE CAPACITY		Whse: 000				
RLH-WP-2-6V-5	EACH	3.00	3.00	0.00	14.3900	43.17
EMERGENCY HEAD		Whse: 000				
RLH-WP-1-6V-5	EACH	2.00	2.00	0.00	14.3900	28.78
EMERGENCY HEAD		Whse: 000				
E611W	EACH	11.00	11.00	0.00	33.7500	371.25
2 HEAD EMERGENCY LIGHT WHITE		Whse: 000				
LDL16WSYCOMBO	EACH	1.00	1.00	0.00	350.0000	350.00
16W LED DOCKLIGHT W MOUNT ARM		Whse: 000				
CMR 9 2P LT	EACH	12.00	12.00	0.00	93.3300	1,119.96
CEILING MOUNT PIR 2P LO TEMP		Whse: 000				
72C5282-NP-900	EACH	37.00	37.00	0.00	153.4100	5,676.17
70WMH/120/277V w/ Wide Range Ignitor		Whse: 000				
PC-857	EACH	37.00	37.00	0.00	2.8500	105.45
FCAN WIRING COMPARTMENT		Whse: 000				
233676	EACH	37.00	37.00	0.00	21.8800	809.56
MHC70/C/U/MP/3K/ALTO ED17P MED		Whse: 000				
97633	EACH	30.00	30.00	0.00	7.0000	210.00
F42TBX/827/A/ECO		Whse: 000				
1265-TRAG	EACH	12.00	12.00	0.00	110.1100	1,321.32
Large Cylinder, Greco Travertine w/PAR 20 Option		Whse: 000				
73718	EACH	24.00	24.00	0.00	35.6300	855.12
LED7PAR20/NFL20		Whse: 000				
1042/N/T8/VT/S	EACH	22.00	12.00	10.00	75.0600	900.72
1042/N/T8/VT/S		Whse: 000				
1084/N/T8/VT/S	EACH	13.00	13.00	0.00	135.2200	1,757.86
1084/N/T8/VT/S		Whse: 000				

Continued

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062068-IN
Invoice Date: 6/7/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms		Invoice Due Date	
19530		IT	Net 30		7/7/2012	
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
60004	EACH	108.00	108.00	0.00	1.9800	213.84
*F32T8/735/ECO		Whse: 000				
ES2150LSD2B	EACH	16.00	10.00	6.00	370.5800	3,705.80
12V 150W BATTERY PACK		Whse: 000				
SMMPB	EACH	16.00	16.00	0.00	27.5000	440.00
MOUNTING SHELF 75-150W BLK		Whse: 000				
LLEF2RBK	EACH	32.00	32.00	0.00	70.0000	2,240.00
2 HEAD 20-50W FLOOD & MOUNTING PLATE		Whse: 000				
20859	EACH	70.00	70.00	0.00	4.3100	301.70
Q35MR16/C/CG40-FMW-10PK		Whse: 000				
XPGD5LEDCWUEDM	EACH	5.00	5.00	0.00	506.2500	2,531.25
XPGD-5-LED-CW-UE-DM Direct Mount White		Whse: 000				
60004	EACH	252.00	252.00	0.00	1.9800	498.96
*F32T8/735/ECO		Whse: 000				
16944	EACH	6.00	6.00	0.00	6.8500	41.10
F27BX/SPX30/RS		Whse: 000				

Net Invoice:	34,489.74
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	34,489.74

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062070-IN
Invoice Date: 6/7/2012

Order Number: 0058582
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O. 19529	Ship VIA / Tracking No. SOUTHEASTERN ;	F.O.B. IT	Terms Net 30	Invoice Due Date 7/7/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
8201BK MINI UNV LINE VOLTAGE T HEAD	EACH	339.00 Whse: 000	44.00	295.00	17.2500	759.00
73718 LED7PAR20/NFL20	EACH	7.00 Whse: 000	7.00	0.00	27.8400	194.88

Net Invoice:	953.88
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	953.88

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062073-IN
Invoice Date: 6/8/2012

Order Number: 0058584
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Awning Shop
Mark for TFM #150
103 Cameron Street
Attn: John Lalonde
Shelby, NC 28151

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19528	SOUTHEASTERN 822844834;	IT	Net 30	7/8/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
LR6	EACH	41.00	41.00	0.00	72.4100	2,968.81
DRIVER		Whse: 000				
RC6	EACH	41.00	41.00	0.00	16.0000	656.00
LR6 TRIM		Whse: 000				

Net Invoice:	3,624.81
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	3,624.81

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062114-IN
Invoice Date: 6/13/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19530	ESTES	IT	Net 30	7/13/2012		
;						
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
HF-BQG-NO2-15FT	EACH	300.00	300.00	0.00	4.1000	1,230.00
15' #2 Gripple Barrel Hanger		Whse: 000				

Net Invoice:	1,230.00
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	1,230.00

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062167-IN
Invoice Date: 6/19/2012

Order Number: 0058582
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19529	ESTES 017-9056374;	SHIP POINT	Net 30	7/19/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
8201BK	EACH	295.00	295.00	0.00	17.2500	5,088.75
MINI UNV LINE VOLTAGE T HEAD		Whse: 000				

Net Invoice:	5,088.75
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	5,088.75

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062260-IN
Invoice Date: 6/21/2012

Order Number: 0058580
Order Date: 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date
19530			Net 30	7/21/2012

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
56657	EACH	300.00	300.00	0.00	1.1500	345.00
CUSTOM TRACK CLIP		Whse: 000				
Line #2 Del 6/12 rec'd by Bennett						
Fedex 002957933029708						

Net Invoice:	345.00
Less Discount:	0.00
Freight:	19.14
Sales Tax:	0.00
Invoice Total:	364.14

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062262-IN
Invoice Date: 6/21/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date
19530	FEDEX 090477160012830;	SHIP POINT	Net 30	7/21/2012

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
8277EBK 2 x 27w Lyteflood Biax Track Head	EACH	3.00 Whse: 000	3.00	0.00	148.8800	446.64

Net Invoice:	446.64
Less Discount:	0.00
Freight:	9.34
Sales Tax:	0.00
Invoice Total:	455.98

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062279-IN
Invoice Date: 6/22/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19530	YRC FREIGHT 671-544066-5;	SHIP POINT	Net 30	7/22/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
1042/N/T8/VT/S	EACH	10.00	10.00	0.00	75.0600	750.60
1042/N/T8/VT/S		Whse: 000				

Net Invoice: 750.60
Less Discount: 0.00
Freight: 0.00
Sales Tax: 0.00
Invoice Total: 750.60

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062306-IN
Invoice Date: 6/27/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
19530	AAA COOPER 77168902-3;	SHIP POINT	Net 30	7/27/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
ES2150LSD2B 12V 150W BATTERY PACK	EACH	6.00 Whse: 000	6.00	0.00	370.5800	2,223.48

Net Invoice:	2,223.48
Less Discount:	0.00
Freight:	74.14
Sales Tax:	0.00
Invoice Total:	2,297.62

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062437-IN
Invoice Date: 7/9/2012

Order Number: 0058582
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date
19529			Net 30	8/8/2012

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
63104	EACH	332.00	332.00	0.00	56.6900	18,821.08
LED17P38S927/25		Whse: 000				

Net Invoice:	18,821.08
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	18,821.08

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062465-IN
Invoice Date: 7/12/2012

Order Number: 0059992
Order Date 7/12/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date		
150 ADDERS	FEDEX 090477160014193;	IT	Net 30	8/11/2012		
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
6049NBK	EACH	6.00	6.00	0.00	5.8500	35.10
BASIC MINI COUPLER		Whse: 000				
6048NBK	EACH	6.00	6.00	0.00	6.1200	36.72
BASIC LIVE END		Whse: 000				
2142H0421E	EACH	1.00	1.00	0.00	244.0000	244.00
Aspect w/Frosted Glass/Perferated Shade/15' Cord		Whse: 000				

Net Invoice:	315.82
Less Discount:	0.00
Freight:	10.70
Sales Tax:	0.00
Invoice Total:	326.52

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062759-IN
Invoice Date: 7/28/2012

Order Number: 0059992
Order Date 7/12/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date
21478			Net 30	8/27/2012

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
XP170SOCKET	EACH	1.00	1.00	0.00	15.0000	15.00
P170H SOCKET		Whse: 000				
Del 7/27 rec'd by Juan						
UPS 1Z9057E80769186643						

Net Invoice:	15.00
Less Discount:	0.00
Freight:	24.08
Sales Tax:	0.00
Invoice Total:	39.08

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062763-IN
Invoice Date: 7/28/2012

Order Number: 0058580
Order Date 3/9/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
Tylersville & Cox Road
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms	Invoice Due Date
19530			Net 30	8/27/2012

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
P170H1-21-RB	EACH	37.00	37.00	0.00	153.4100	5,676.17
P1-70-EHID-ED17CMH-HT 21' CORD/REMOTE F CAN BALL, Whse: 000						
2142H0421E	EACH	28.00	28.00	0.00	244.0000	6,832.00
Aspect w/Frosted Glass/Perferated Shade/15' Cord Whse: 000						
Del 6/27 rec'd by C Lloyd						
Allstates World PRO# LAX 2178140						

Net Invoice:	12,508.17
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	12,508.17

Invoice

Illuminating Technologies, Inc.
P.O. Drawer 18463
Greensboro, N.C. 27419
(336) 230-1490

Remit To:
Attention: Accounts Receivable
Illuminating Technologies
P.O. Box 41014
Greensboro, NC 27404

Invoice Number: 0062794-IN
Invoice Date: 8/7/2012

Order Number: 0060046
Order Date 7/17/2012
Salesperson: 0003
Customer Number: FRESHMK

Sold To:
The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, NC 27408

Ship To:
The Fresh Market #150
7720 Voice of America Ctr Dr
Attn: Zane Phifer
West Chester, OH 45069

Confirm To:

Customer P.O.	Ship VIA / Tracking No.	F.O.B.	Terms		Invoice Due Date	
20947	ESTES	SHIP POINT	Net 30		9/6/2012	
Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
15975	EACH	6.00	6.00	0.00	7.7100	46.26
F17T8SPX35ECOCVG		Whse: 000				
60004	EACH	36.00	36.00	0.00	1.0000	36.00
*F32T8/735/ECO		Whse: 000				
41126	EACH	36.00	36.00	0.00	6.5700	236.52
F32T8/SPX35/ECO/CVG		Whse: 000				
41131	EACH	6.00	6.00	0.00	11.2500	67.50
F40T8/SPX35/CVG		Whse: 000				
72546	EACH	6.00	6.00	0.00	8.7400	52.44
100A/RS/STG-TP6		Whse: 000				
97633	EACH	10.00	10.00	0.00	11.0000	110.00
F42TBX/827/A/ECO		Whse: 000				
97616	EACH	10.00	10.00	0.00	7.0000	70.00
F26TBX/835/A/ECO		Whse: 000				
233676	EACH	6.00	6.00	0.00	24.4600	146.76
MHC70/C/U/MP/3K/ALTO ED17P MED		Whse: 000				
ICF2S26H1LDK	EACH	1.00	1.00	0.00	30.9800	30.98
ELE BAL (2) 26W CFL (4PIN) 120-277V KIT		Whse: 000				
72C5282-NP-900	EACH	1.00	1.00	0.00	141.9800	141.98
70WMH/120/277V w/ Wide Range Ignitor		Whse: 000				
Delivery Date 08/08/2012						

Net Invoice:	938.44
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	938.44



709 Sigman Road Conyers, GA 30013 USA

Voice (770) 285-3100 Fax (770) 285-3071

On the web at www.hillphoenix.com

Page 1 of 1

INVOICE

Invoice Id: 205458

Date: 5/1/2012

PO #: P019058

Order Id: 67473

Terms: Net 30 FOB CONYERS

Sold To:

The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, North Carolina 27408 USA

Ship To

Fresh Market 150
7720 Voice Of America Centre Drive
West Chester, Ohio 45069 USA

Sales: Woody Woods (919) 553-2027

Item Type & Description		Amount
Job Loose Parts Group		\$15,762.95
56' Pump Station - Coolgenix Prototype (PS-1) Model: BSPF Serial: 67473-5		\$0.00
Circuit Control Panel Assembly Model: BSCP Serial: 67473-6		\$12,598.18
Rack Frame-A/B Model: PS Serial: 67473-8		\$100,433.29
Energy Management System		\$0.00
(15) Evaporator Buyout Group:		\$16,643.86
1) CMS Prep	WK-075	\$922.60
1) Produce Prep	WK-075	\$848.13
1) 75 sq' Floral Cooler	WK-050	\$741.94
1) CMS Cooler	ADT-052	\$475.78
1) Grocery/Bakery Frz	LLE-235	\$2,380.29
1) Produce Cooler	WK-155	\$1,459.06
1) Seafood Prep	WK-100	\$1,117.05
1) Bulk Cooler	ADT-065	\$511.64
1) Bakery Cooler	ADT-065	\$511.64
1) Seafood Freezer	LLE-068	\$970.87
1) Meat Cooler	WKE-180	\$1,944.29
1) Dairy/Deli Cooler	WK-180	\$1,707.30
1) Seafood Cooler	SME-054	\$1,208.07
2) Meat Prep	WK-075	\$1,845.20
(2) Condenser Buyout Group:		\$24,545.04
1) Rack-A	BNQ-S03-A016	\$5,224.18
1) Rack-B	BNQ-D10-A057	\$19,320.86

Equipment Total \$169,983.32

Date	Change Orders and Revisions	Amount
3/9/12	ITEM: Job Loose Parts Group - revised cpc loose parts list	(\$22.00)
3/26/12	ITEM: Rack-A - changed circuit A-5 defrost to 4 separate 208/1 feeds Details: added temp sensor termination inputs for each case circuit A5	\$92.00

Revision Total \$70.00

Freight Carrier & Lading ID:

51684 - Jacobson Shipped: 4/27/12

51651.1 - Vendor Direct Shipped: 4/25/12

51688.1 - Vendor Direct Shipped: 4/27/12

Subtotal \$170,053.32
Shipping & Handling \$2,327.48
5.5% Ohio State Tax \$9,480.94
.75% Butler County Tax \$1,292.86

Invoice Total - REMIT (U.S. Funds Only) **TOTAL** \$183,154.60

All items are subject to the terms attached.

Remit To: Hill PHOENIX
P.O. Box 404175
Atlanta, GA 30384-4175 USA



709 Sigman Road Conyers, GA 30013 USA

Voice (770) 285-3100 Fax (770) 285-3071

On the web at www.hillphoenix.com

Page 1 of 1

INVOICE

Invoice Id: 205458

Date: 5/1/2012

PO #: P019058

Order Id: 67473

Terms: Net 30 FOB CONYERS

Sold To:

The Fresh Market
628 Green Valley Rd.
Suite 500
Greensboro, North Carolina 27408 USA

Ship To

Fresh Market 150
7720 Voice Of America Centre Drive
West Chester, Ohio 45069 USA

Sales: Woody Woods (919) 553-2027

Item Type & Description		Amount
Job Loose Parts Group		\$15,762.95
56' Pump Station - Coolgenix Prototype (PS-1) Model: BSPF Serial: 67473-5		\$0.00
Circuit Control Panel Assembly Model: BSCP Serial: 67473-6		\$12,598.18
Rack Frame-A/B Model: PS Serial: 67473-8		\$100,433.29
Energy Management System		\$0.00
(15) Evaporator Buyout Group:		\$16,643.86
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1) Produce Prep	WK-075	\$848.13
1) 75 sq' Floral Cooler	WK-050	\$741.94
1) CMS Cooler	ADT-052	\$475.78
1) Grocery/Bakery Frz	LLE-235	\$2,380.29
1) Produce Cooler	WK-155	\$1,459.06
1) Seafood Prep	WK-100	\$1,117.05
1) Bulk Cooler	ADT-065	\$511.64
1) Bakery Cooler	ADT-065	\$511.64
1) Seafood Freezer	LLE-068	\$970.87
1) Meat Cooler	WKE-180	\$1,944.29
1) Dairy/Deli Cooler	WK-180	\$1,707.30
1) Seafood Cooler	SME-054	\$1,208.07
2) Meat Prep	WK-075	\$1,845.20
(2) Condenser Buyout Group:		\$24,545.04
1) Rack-A	BNQ-S03-A016	\$5,224.18
1) Rack-B	BNQ-D10-A057	\$19,320.86

Equipment Total \$169,983.32

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51688.1 - Vendor Direct Shipped: 4/27/12

Subtotal	\$170,053.32
Shipping & Handling	\$2,327.48
5.5% Ohio State Tax	\$9,480.94
.75% Butler County Tax	\$1,292.86

Invoice Total - REMIT (U.S. Funds Only) TOTAL \$183,154.60

All items are subject to the terms attached.

Remit To: Hill PHOENIX
P.O. Box 404175
Atlanta, GA 30384-4175 USA

1925 Ruffin Mill Rd. Colonial Heights, VA 23834
Phone (804) 526-4455 - Fax (804) 526-9805

INVOICE

INVOICE DATE	INVOICE NUMBER
06-30-12	0671470

← SHOW IN CORRESPONDENCE

HILL ORDER NO.	CODE	CUSTOMER ORDER NO.	ORDER DATE	DATE SHIPPED	PAGE
542460-00	049016	19063		06-29-12	1

-COMPLETE-
-INVOICE -

Sold To
THE FRESH MARKET INC
628 GREEN VALLEY ROAD STE 500
GREENSBORO NC27408

Final Destination
THE FRESH MARKET #150
TYLERSVILLE & COX ROAD
WEST CHESTER OH 45069

PLEASE REMIT TO

Hill PHOENIX
P.O. BOX 404183
ATLANTA, GA 30384-4183

TERMS		ROUTING		FREIGHT		Hill PHOENIX REPRESENTATIVE	
NET 30 DAYS		SOLSOURCE LOGISTIC		S PRE-PAID		WOODS, WOODY	
QUANTITY	ITEM NO.	REF NO.	DESCRIPTION			UNIT PRICE	AMOUNT
	LINE-UP#	01	***** 4 FEET 4' OMZ SEAFOOD				9082.73
	B123908	1	OMZ4 SERIAL# 01154716				
	LINE-UP#	02	***** 4 FEET 4' O4UM SEAFOOD (SECOND				6518.72
	B183884	1	O4UM4 SERIAL# 01156251				
	LINE-UP#	16	***** 40 FEET 40' OHPH M/D PRODUCE (R				17823.84
	B103181	1	OHPH8 SERIAL# 01154717				
	B103181	2	OHPH8 SERIAL# 01154718				
	B103182	3	OHPH12 SERIAL# 01154719				
	B103182	4	OHPH12 SERIAL# 01154720				
	LINE-UP#	17	***** 28 FEET 28' O5DM M/D PRODUCE (R				14114.87
	B101008	1	O5DM8 SERIAL# 01152668 **CONTINUED**				

FILE COPY

All Orders Subject To HillPhoenix Terms and Conditions. All Amounts Shown In US Funds.

1925 Ruffin Mill Rd. Colonial Heights, VA 23834
Phone (804) 526-4455 - Fax (804) 526-9805

INVOICE

INVOICE DATE	INVOICE NUMBER
06-30-12	0671470

← SHOW IN CORRESPONDENCE

HILL ORDER NO.	CODE	CUSTOMER ORDER NO.	ORDER DATE	DATE SHIPPED	PAGE
542460-00	049016	19063		06-29-12	2

-COMPLETE-
-INVOICE -

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WEST CHESTER OH 45069

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Hill PHOENIX
P.O. BOX 404183
ATLANTA, GA 30384-4183

TERMS		ROUTING		FREIGHT		Hill PHOENIX REPRESENTATIVE	
NET 30 DAYS		SOLSOURCE LOGISTIC		S PRE-PAID		WOODS, WOODY	
QUANTITY	ITEM NO.	REF NO.	DESCRIPTION			UNIT PRICE	AMOUNT
	B101008	2	O5DM8 SERIAL# 01152669				
	B101009	3	O5DM12 SERIAL# 01152666				

	LINE-UP#	18	16 FEET 16' O5DR REARLOAD DAIRY				13165.00
	B168626	1	O5DR8 SERIAL# 01132269				
	B168626	2	O5DR8 SERIAL# 01132270				

	LINE-UP#	19	20 FEET 20' O5DM DAIRY (R-404A)				10999.01
	B101009	1	O5DM12 SERIAL# 01152670				
	B101008	2	O5DM8 SERIAL# 01152671				

	LINE-UP#	21	36 FEET 24' & 12' O5DM M/D BEER				19093.73
	B101009	1	O5DM12 SERIAL# 01152664				
	B101009	2	O5DM12 SERIAL# 01152672				
	B101009	3	O5DM12 SERIAL# 01152673				
			CONTINUED				

FILE COPY

All Orders Subject To HillPhoenix Terms and Conditions. All Amounts Shown In US Funds.

1925 Ruffin Mill Rd. Colonial Heights, VA 23834
Phone (804) 526-4455 - Fax (804) 526-9805

INVOICE

INVOICE DATE	INVOICE NUMBER
06-30-12	0671470

← SHOW IN CORRESPONDENCE

HILL ORDER NO.	CODE	CUSTOMER ORDER NO.	ORDER DATE	DATE SHIPPED	PAGE
542460-00	049016	19063		06-29-12	3

-COMPLETE-
-INVOICE -

Sold To
THE FRESH MARKET INC
628 GREEN VALLEY ROAD STE 500
GREENSBORO NC27408

Final Destination
THE FRESH MARKET #150
TYLERSVILLE & COX ROAD
WEST CHESTER OH 45069

PLEASE REMIT TO

Hill PHOENIX
P.O. BOX 404183
ATLANTA, GA 30384-4183

TERMS		ROUTING		FREIGHT		Hill PHOENIX REPRESENTATIVE	
NET 30 DAYS		SOLSOURCE LOGISTIC		S PRE-PAID		WOODS, WOODY	
QUANTITY	ITEM NO.	REF NO.	DESCRIPTION			UNIT PRICE	AMOUNT
	LINE-UP#	24	***** 17 DOORS 17 DRS ORZ FROZEN FOOD				22434.48
	B101416	1	ORZ5	SERIAL# 01152078			
	B101415	2	ORZ4	SERIAL# 01152079			
	B101414	3	ORZ3	SERIAL# 01152080			
	B101416	4	ORZ5	SERIAL# 01152081			
	LINE-UP#	25	***** 1 DOORS 1 DOOR ONRZH BAKERY FRE				3683.90
	B174257	1	ONRZH1	SERIAL# 01150391			
			NET F.O.B. RICHMOND				116916.28
			TAXES				7307.27
			ORDER TOTAL				124223.55
							=====
			*** TAX DETAILS ***				
			SALES TAX - OHIO - \$ 6430.40				
			COUNTY TAX - OH - \$ 876.87				

FILE COPY

All Orders Subject To HillPhoenix Terms and Conditions. All Amounts Shown In US Funds.

TYPICAL APPLICATIONS

- Office/Conference Room
- Closet/Changing Room
- Private Bathroom (no stalls)
- Concrete/Drywall Ceilings

FEATURES

- PIR Occupancy Detection
- Self-Contained Relay, no Power Pack needed
- Time Delay: 30 sec. to 20 minutes
- No Minimum Load Requirements
- Push-Button Programmable
- Green LED Activity Indicator
- 100 Hr. Lamp Burn-in Timer Mode

DAYLIGHTING OPTIONS

- On/Off Photocell (-P)
- Auto Dimming Cntl. Photocell (-ADC)

SPECIFICATIONS

- Size: Circular, 4.55"Dia., 1.55" Deep (11.56 cm Dia., 3.94 cm Deep)
- Sensor Weight: 6 Ounces
- Sensor Color: White
- Mounting: Round Fixture Box or Single Gang Handy Box
- Relative Humidity: 20 to 90% non-condensing
- Operating Temp: 14° to 160° F (-10° to 71° C)
- Storage Temp: -14° to 160° F (-26° to 71° C)
- Load Rating (1 Phase Only):
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
- 1/4 HP Motor Load
- Frequency: 50/60 Hz (Timers are 1.2 times for 50 Hz)
- UL, CUL, and Title 24 Compliant
- 5 Year Warranty
- Made in U.S.A.

LOW TEMP/HI HUMIDITY(-LT)

- Conformally coated Circuit Board is corrosion resistant from moisture
- Operates down to -40° F (-40° C)

CMR-9 Series w/ Enhanced Daylighting Control Options!



The *CMR-9 Series* incorporates the industry's leading Passive Infrared (PIR) technology into an attractive line powered ceiling mount occupancy sensor that provides amazing sensitivity to small motions and excellent payback. The *CMR-9* is an economical approach to controlling automatic lighting needs in enclosed areas where a wall switch replacement sensor is not applicable. It is also an ideal choice for retrofitting rooms with concrete or inaccessible ceilings, or new construction with drop ceilings. For rooms with obstructions the *CMR-PDT* should be considered.

SENSOR OPERATIONS

The sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, a self-contained relay switches the lighting "On". The sensor is line powered and can switch a large range of line voltages. An internal timer, factory set at 10 minutes, keeps the lights "On" during brief periods of no activity. This timer is selectable at 2.5 minute increments from 30 seconds to 20 minutes, and is reset every time occupancy is re-detected. This state-of-the-art design requires no manual field adjustments.



Small Office

- PIR technology effective in an enclosed unobstructed area
- Best choice for concrete ceiling



Closet/Changing Room

- More cost effective than installing door (plunger type) switches
- Eliminates need for toggle switch
- Adds convenience for user

DAYLIGHTING CONTROL OPTIONS

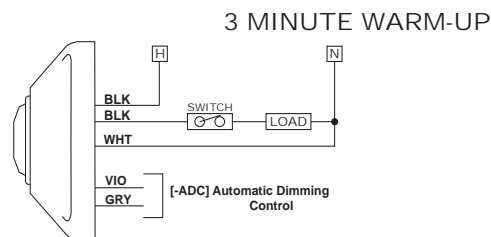
For spaces with abundant natural light from windows or skylights, this series offers an On/Off Photocell (-P) option and an Automatic Dimming Control (-ADC) Photocell option. The -P option is ideal for public areas like vestibules, corridors, or restrooms; while the -ADC option is perfect for classrooms and private offices. As the daylight levels change in the room, both options insure that an adequate light level is maintained according to a programmable set-point value. The -P option provides two modes of operation; one simply inhibits the lights from turning on, while the other has full On/Off control of the lights. The -ADC option allows the sensor to control a dimmable ballast. It also provides a secondary dim time-out that enables the lights to go to a dim setting after one time-out and then turn fully off after a second time-out. For more detailed information on these daylighting control features, see the *CMR-PC-ADC Technical Data Sheet*. **Note:** If both the -P and the -ADC options are selected the "Inhibit" mode of the -P option is not available.

Model Numbering System: CMR-9-[DAYLIGHTING CONTROL]-[VOLTAGE]-[TEMP/HUMIDITY]

MODEL#	DAYLIGHTING CONTROL*	VOLTAGE	TEMP/HUMIDITY
CMR-9	Blank = None	Blank = 120-277 VAC	Blank = 14° to 160° F
	-P = On/Off Photocell	-3 = 347 VAC	LT = -40° to 160° F
	-ADC = Auto Dimming Cntl. Photocell		
	*for both options use -P-ADC		

TYPICAL WIRING DIAGRAM (DO NOT WIRE HOT)

The sensor uses Sensor Switch's patented "either/or wiring"; Black to Hot and Black to Load. The White wire connects to neutral. Black wires are replaced with Red wires for 347 VAC. The -ADC option adds two low voltage wires for connection to a 0-10 VDC dimmable ballast.



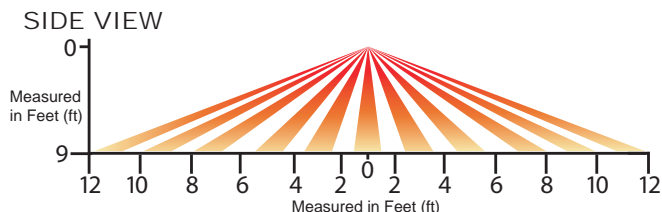
INITIAL POWER UP

When power is applied to the sensor, the relay is designed to be in a latched closed position, and the lights should come on. After a 1-3 minute warm-up period, the sensor becomes functional and begins to "time out". **If the Lights Do Not Immediately Turn On (Initial Installation Only)** the latching relay is in the open position. When the 1-3 minute warm-up is over the sensor will correct itself and close the relay.

FIELD OF VIEW

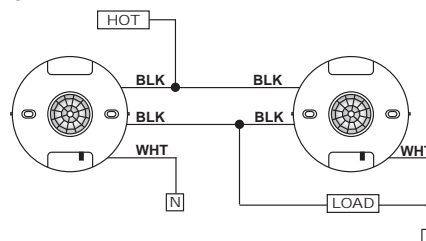
The CMR-9's dome lens provides a maximum viewing angle of 56° in a complete 360° conical pattern. It is ideal for occupancy detection in unobstructed areas. Place the sensor along the entrance door wall to prevent it from viewing out into the hallway, while still ensuring the sensor can view the entire room from this position.

Note: Heat producing sources controlled by the sensor must not be in the view pattern of the sensor. Symptom: Sensor cycles or appears to continually stay "On". Solution: Move sensor or mask lens segments that view the source.

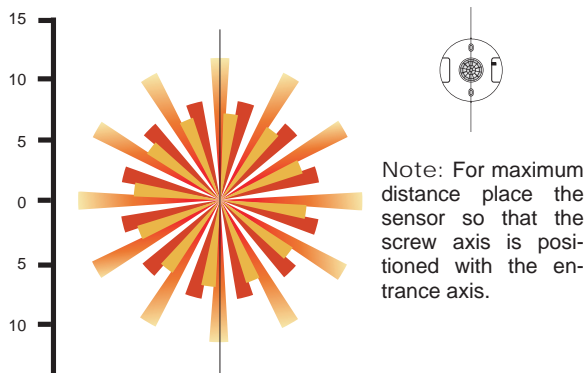


SENSORS IN PARALLEL

For multiple sensor applications, simply wire sensors in parallel, however the maximum load ratings stay the same. Do not wire sensors with -P or -ADC option in parallel.



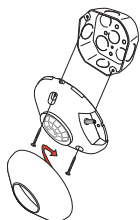
TOP VIEW



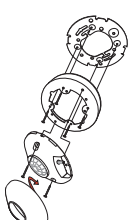
INSTALLATION

The ceiling sensor enclosure accommodates mounting to a single gang "Mud Ring" at a 3.28" spacing, up to a Round Fixture Box spacing of 3.5". Refer to "Field of View" section to determine orientation of box for maximum coverage. Note that most fixture boxes orientate the sensor 45° differently than a single gang handy box or mud ring on a 1900 box.

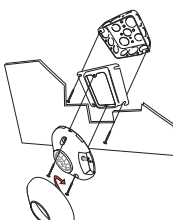
ROUND
FIXTURE BOX



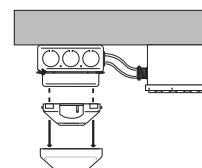
WIREMOLD V5738
FIXTURE BOX



MUD RING
WITH 1900 BOX



OFFSET
NIPPLE



WARRANTY: Sensor Switch, Inc. warrants these products to be free of defects in manufacture and workmanship for a period of sixty months. Sensor Switch, Inc., upon prompt notice of such defect will, at its option, provide a Returned Material Authorization number and a replacement product.

LIMITATIONS AND EXCLUSIONS: This Warranty is in full lieu of all other representation and expressed and implied warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall Sensor Switch, Inc. be liable for any incidental or consequential property damages or losses.

sensorswitch

SENSOR SWITCH, INC.

900 Northrop Rd., Wallingford, CT 06492
(203) 265-2842 info@sensorswitch.com
www.sensorswitch.com

revised 06/13/2006
copyright Sensor Switch, Inc. 2006



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2010.

Certificate of Product Ratings

AHRI Certified Reference Number: 3607626

Date: 1/15/2010

Product: Year-Round Single-Package Air-Conditioner, Air-Cooled

Model Number: LGH036H4EG**

Manufacturer: LENNOX INDUSTRIES, INC.

Trade/Brand name: ENERGENCE

Manufacturer responsible for the rating of this system combination is LENNOX INDUSTRIES, INC.

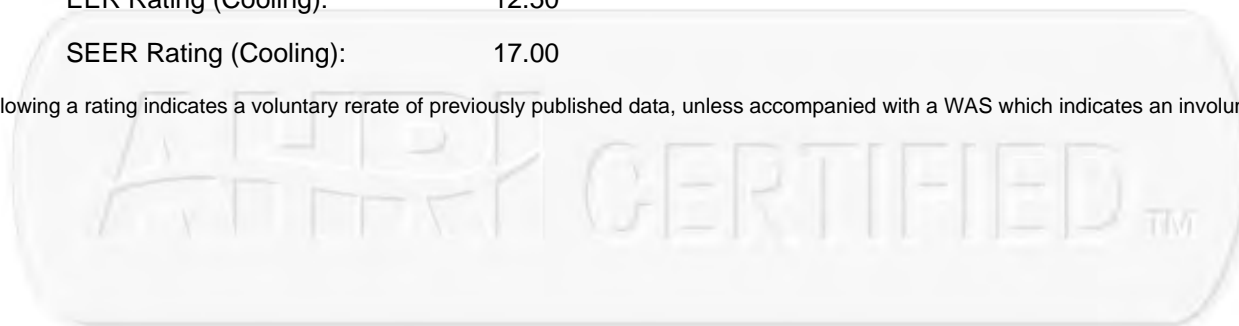
Rated as follows in accordance with AHRI Standard 210/240-2006 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh): 35200

EER Rating (Cooling): 12.50

SEER Rating (Cooling): 17.00

A * following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.



DISCLAIMER

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at www.ahridirectory.org.

TERMS AND CONDITIONS

This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.



O4UM Multi-Deck Merchandiser

4', 6', 8' & 12' (Dairy / Deli / Produce)

Electrical Data

Case Length	Fans Per Case	High Efficiency Fans		Anti-Condensate ¹ Heaters		Defrost Heaters			
		120 Volts		120 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
4'	2	0.39	23.4	0.14	17	1.92	400	2.22	532
6'	2	0.39	23.4	0.20	24	2.88	600	3.33	798
8'	3	0.59	35.1	0.25	30	3.85	800	4.44	1065
12'	4	0.78	46.8	0.38	46	5.77	1200	6.67	1600

Lighting Data

Case Length	Lights Per Row	Light Length	Clearvoyant LED Lighting (Per Light Row)			
			Standard Power (Cornice or Shelf)		High Power (Cornice)	
			120 Volts		120 Volts	
			Amps	Watts	Amps	Watts
4'	1	4'	0.10	11.9	0.18	21.5
6'	2	3'	0.14	16.6	0.25	29.8
8'	2	4'	0.20	23.8	0.36	43.0
12'	3	4'	0.30	35.7	0.54	64.5

Guidelines & Control Settings

² BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge ³ Air Velocity (FPM)
Conventional	Parallel				
1476	1368	6 - 8	22	30	300

Defrost Controls

Defrosts Per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
		Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
3	6 - 8	40	47	45	45	26	45	45	45

¹ Anti-condensate heater data for unlighted rear sill. For lighted rear sill, double the values.

² BTUH/ft notes:

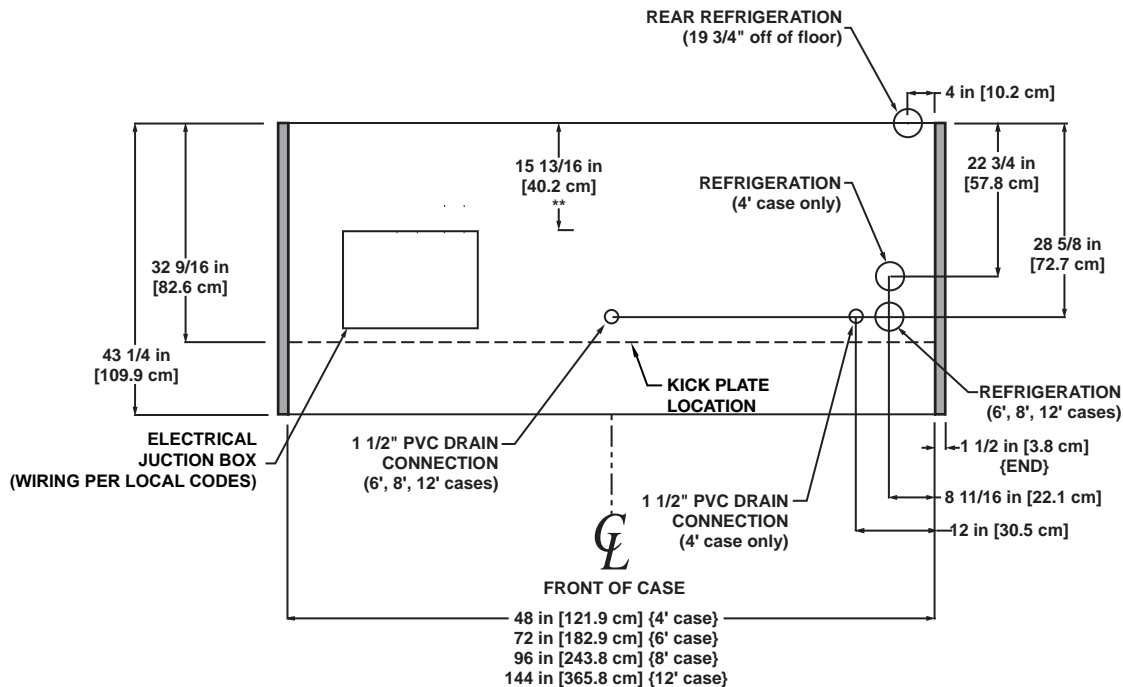
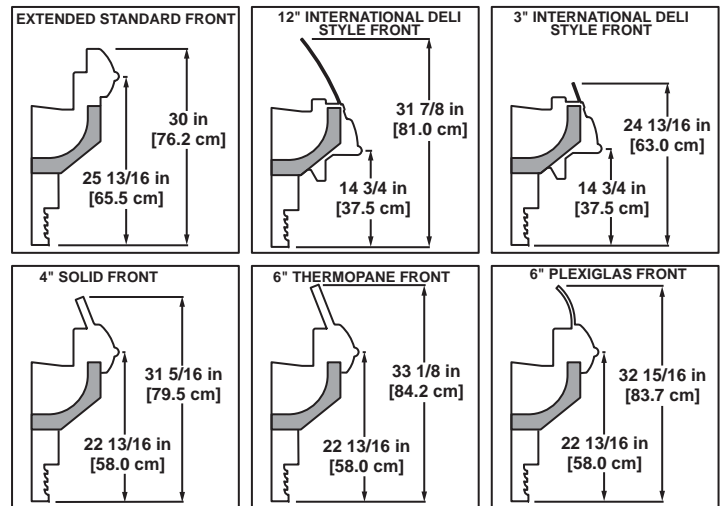
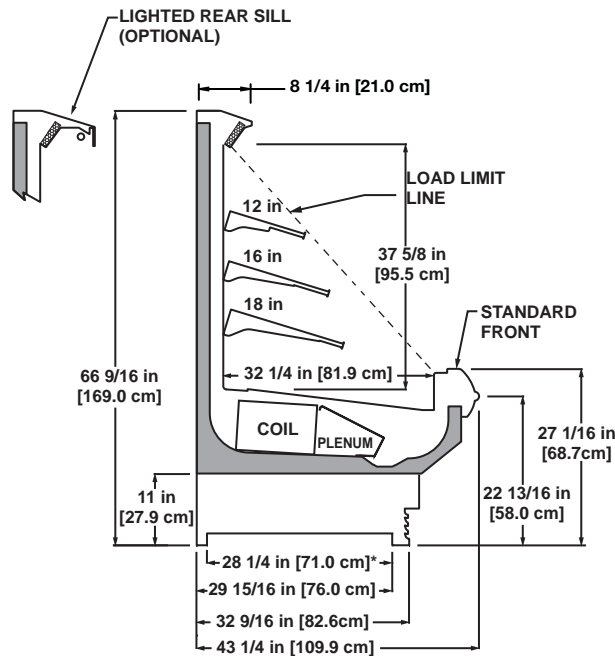
- Standard fans (see Appendix C) increase refrigeration load by 96 BTUH/fan.
- Listed BTUH/ft indicate unlighted shelves. For LED lighting, add 36 BTUH per 4' lighted shelf and 27 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case. For T8 lighted shelves (see Appendix D) and 3rd row lighting, add 80 BTUH per 4' lighted shelf and 60 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case.
- Model O4UM only available for meat application with a thermopane-glass front or a curved plexiglass front.

³ Average discharge air velocity at peak of defrost.

O4UM Multi-Deck Merchandiser

4', 6', 8' & 12' (Dairy / Deli / Produce)

(11" BASEFRAME)



NOTES:

* STUB-UP AREA

** RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

- FRONT AND REAR SILL HEIGHTS VARY WITH BASEFRAME HEIGHT
- ENDS ADD APPROXIMATELY 1 INCH TO CASE HEIGHT
- A 2" MINIMUM AIR GAP IS REQUIRED BETWEEN THE REAR OF THE CASE AND A WALL
- AVAILABLE SHELF SIZES: 10", 12", 14", 16" & 18"
- PRODUCT ON TOP SHELF SHOULD BE 3" BELOW DISCHARGE
- RECOMMENDED SHELF CONFIGURATION IN ROWS: 1-12", 1-16" & 1-18"
- DASHED LINES SIGNIFY AREA INSIDE BASE RAIL BEHIND KICK-PLATE



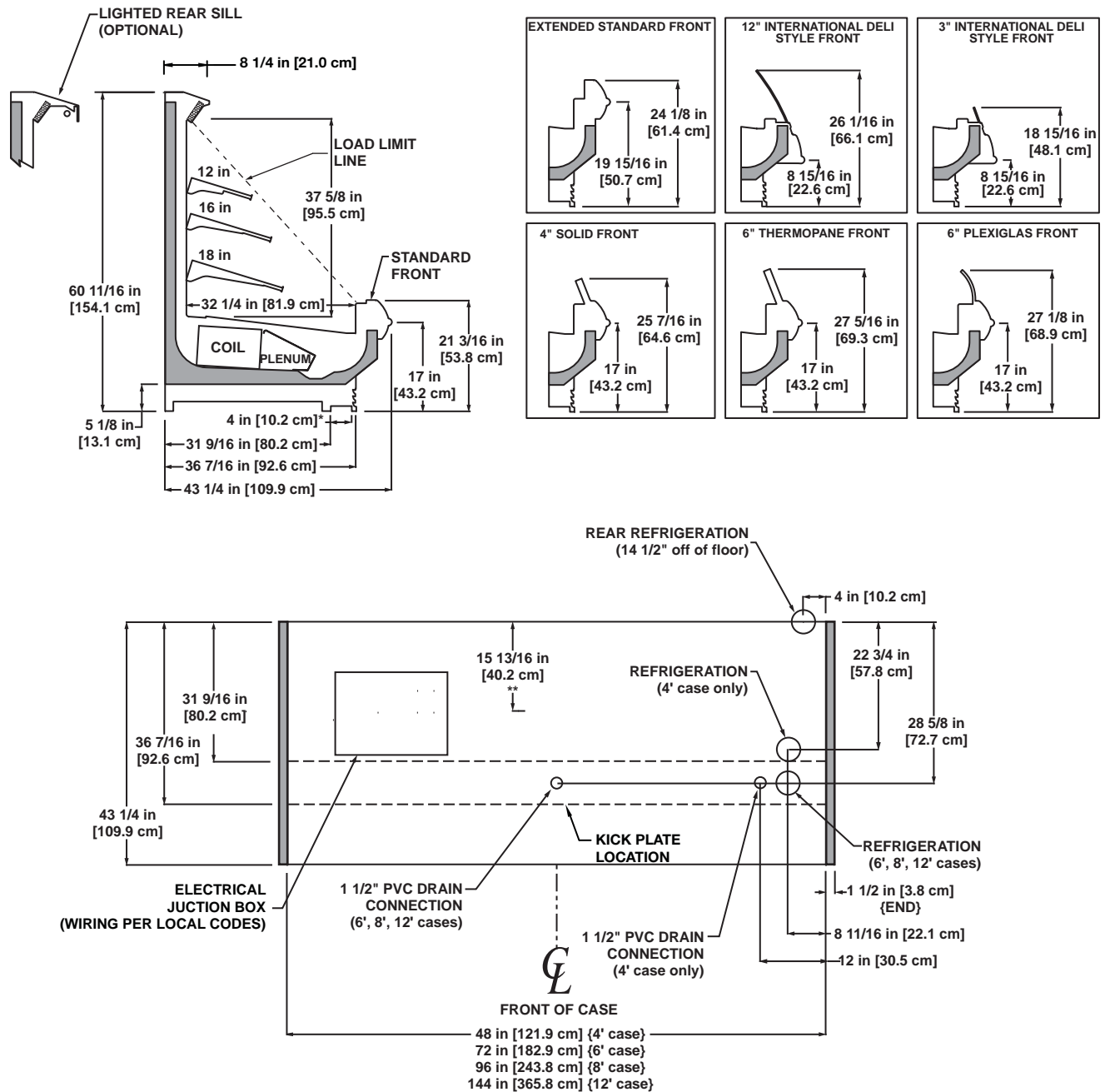
UTILITY

Dairy / Deli / Produce

O4UM Multi-Deck Merchandiser

4', 6', 8' & 12' (Dairy / Deli / Produce)

(5" BASEFRAME)



NOTES:

- * STUB-UP AREA
- ** RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS
- FRONT AND REAR SILL HEIGHTS VARY WITH BASEFRAME HEIGHT
- ENDS ADD APPROXIMATELY 1 INCH TO CASE HEIGHT
- A 2" MINIMUM AIR GAP IS REQUIRED BETWEEN THE REAR OF THE CASE AND A WALL
- AVAILABLE SHELF SIZES: 10", 12", 14", 16" & 18"
- PRODUCT ON TOP SHELF SHOULD BE 3" BELOW DISCHARGE
- RECOMMENDED SHELF CONFIGURATION IN ROWS: 1-12", 1-16" & 1-18"
- DASHED LINES SIGNIFY AREA INSIDE BASE RAIL BEHIND KICK-PLATE

Multi-Deck Produce/Dairy/Deli Merchandiser

O5DM - 4', 6', 8' & 12'

Electrical Data

Model			Standard Fans		High Efficiency Fans		Anti-Condensate Heaters		Defrost Heaters			
			120 Volts		120 Volts		120 Volts		208 Volts		240 Volts	
			Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
O5DM	4'	2	1.00	60	0.23	18	- - - ¹	- - -	1.92	400	2.22	532
	6'	2	1.00	60	0.47	35	- - -	- - -	2.88	600	3.33	798
	8'	3	1.50	90	0.47	35	- - -	- - -	3.85	800	4.44	1065
	12'	4	2.00	120	0.70	53	- - -	- - -	5.77	1200	6.67	1600

Lighting Data

Model		Lights per Row	Light Length	Fluorescent Lighting (Per Light Row)		Clearvoyant LED Lighting (Per Light Row)			
						Standard Power (Cornice or Shelf)		High Power (Cornice)	
				120 Volts		120 Volts		120 Volts	
				Amps	Watts	Amps	Watts	Amps	Watts
O5DM	4'	1	4'	0.23	28	0.10	11.9	0.22	26.2
	6'	2	3'	0.37	44	0.14	16.6	0.30	35.8
	8'	2	4'	0.47	56	0.20	23.8	0.44	52.4
	12'	3	4'	0.70	84	0.30	35.7	0.66	78.6

Guidelines & Control Settings

Model	Front Sill Heights	² BTUH/ft	Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Return Air (°F)	Discharge Air Velocity ³ (FPM)
O5DM Deli	2.5" Ext.	1458	6-8	22	30	44	270
	5" Ext.	1418	6-8	22	30	44	270
	7.5" Ext.	1388	6-8	22	30	44	270
O5DM Dairy Cut Produce	Std. Dairy	1358	6-8	26	34	47	270
	2.5" Ext.	1319	6-8	26	34	47	270
	5" Ext.	1289	6-8	26	34	47	270
	7.5" Ext.	1258	6-8	26	34	47	270
O5DM Beverage Bulk Produce	Std. Dairy	1378	6-8	29	36	52	270
	2.5" Ext.	1338	6-8	29	36	52	270
	5" Ext.	1308	6-8	29	36	52	270
	7.5" Ext.	1278	6-8	29	36	52	270

Defrost Controls

Model	Defrosts per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
			Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
O5DM	4	6 - 8	32	47	42	47	26	45	42	45

1 "- - -" indicates not an option on this case model.

2 BTUH/ft notes:

- Listed BTUH/ft indicate parallel operation. Conventional ratings may be approximated by multiplying listed rating by 1.10.
- Listed BTUH/ft indicate unlighted shelves. For T8 lighted shelves and 3rd row lighting, add 80 BTUH per 4' lighted shelf and 60 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case. For LED lighting, add 36 BTUH per 4' lighted shelf and 27 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case.
- Standard fans increase refrigeration load by 96 BTUH/fan.

3 Average discharge air velocity at peak of defrost.





Multi-Deck Rear Load Dairy Merchandiser

O5DR - 8' & 12'

Electrical Data

Model	Fans per Case	Standard Fan		High Efficiency Fans		Anti-Condensate Heaters		Defrost Heaters			
		120 Volts		120 Volts		120 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
O5DR	8'	4	3.20	213	1.44	142	---	3.85	800	4.44	1065
	12'	5	4.00	267	1.80	178	---	5.78	1200	6.67	1600

1 NOTE: " - - - " not an option on this case model.

Lighting Data

Model	Bulbs per Row	Bulb Length	Typical per Light Row		Maximum Lighting	
			120 Volts		120 Volts	
			Amps	Watts	Amps	Watts
O5DR	8'	2	0.47	56	4.20	504
	12'	3	0.70	84	6.30	756

Guidelines & Control Settings

Model	Front Sill Heights	^{2,3} BTUH/ft	Coil Type	Evaporator (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Return Air (°F)	Discharge Air Velocity ⁵ (FPM)
O5DR Dairy	Std. Dairy	1382 ⁴	Enh.	22	6-8	32	47	275
	2.5" Ext.	1382 ⁴	Enh.	22	6-8	32	46	275
	5" Ext.	1333 ⁴	Enh.	22	6-8	32	42	275
	7.5" Ext.	1305 ⁴	Enh.	22	6-8	32	42	275
O5DR Beverage	2.5" Ext.	1302 ⁴	Enh.	26	6-8	35	48	275
	5" Ext.	1269 ⁴	Enh.	26	6-8	35	47	275

2 BTUHs/ft listed are for parallel operation. Conventional ratings may be approximated by multiplying listed rating by 1.10.

3 Listed case BTUH/ft indicates unlighted shelves. Add 80 BTUH per 4' lighted shelf and 60 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load.

To obtain the BTUH/ft contribution for the lighting, divide the Total Lighting BTUH Load by the length of the case.

4 Standard fans increase refrigeration load by 96 BTUH/fan.

5 Average discharge air velocity at peak of defrost.

Defrost Controls

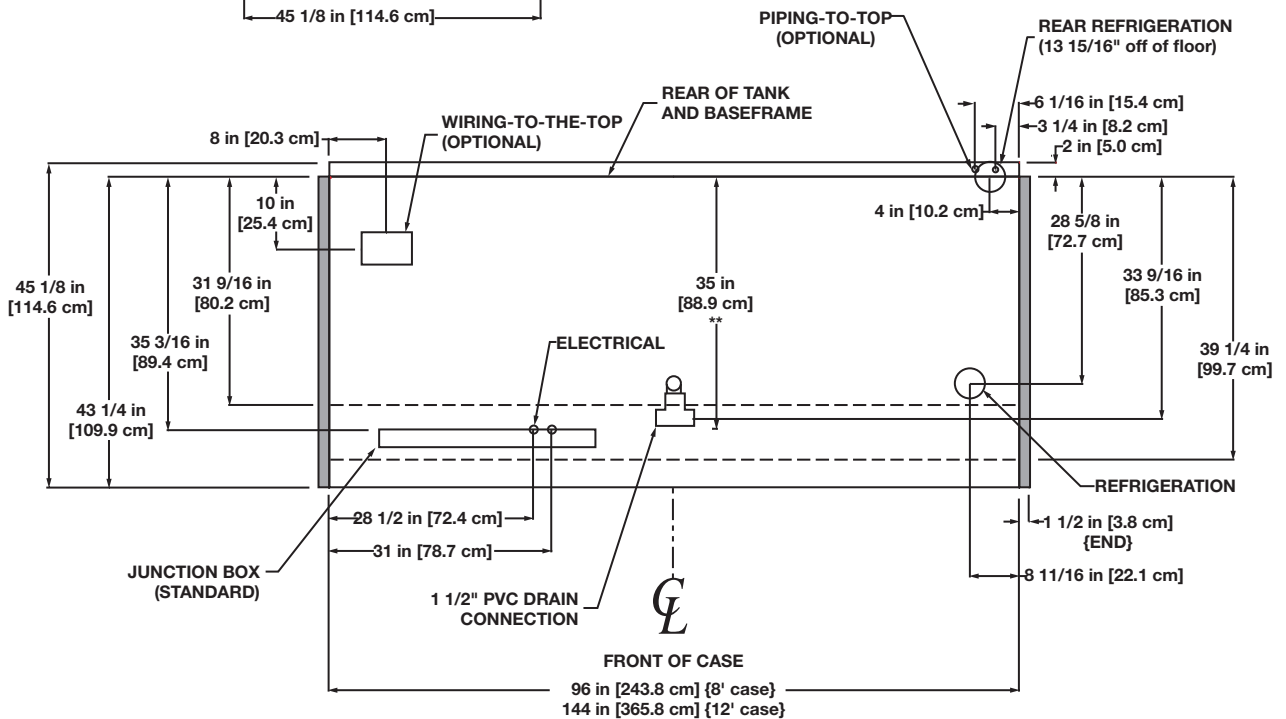
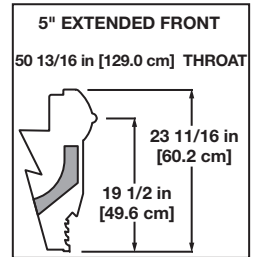
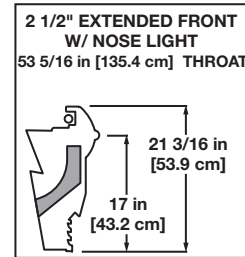
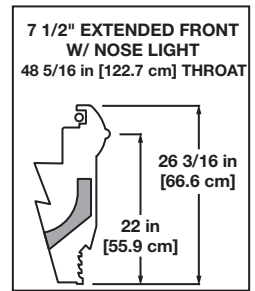
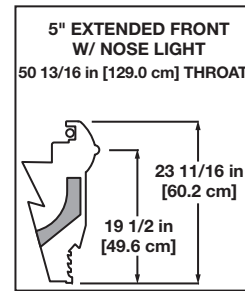
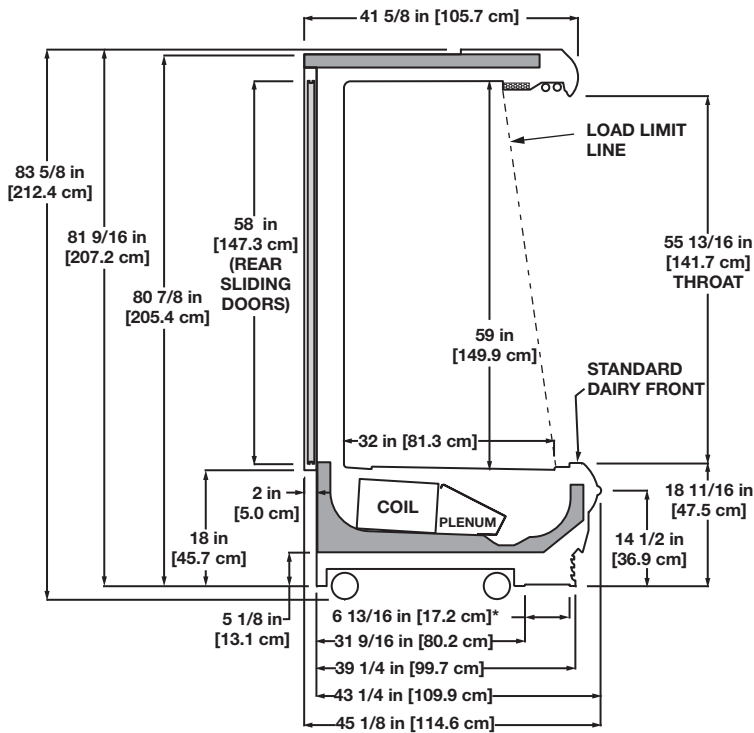
Model	Defrosts Per Day	Run-Off Time (min)	Electric Defrost		Timed Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
			Fail-safe (min)	Termination Temp. (°F)	Fail-safe (min)	Termination Temp. (°F)	Fail-safe (min)	Termination Temp. (°F)	Fail-safe (min)	Termination Temp. (°F)
O5DR	4	6 - 8	32	47	45	47	26	45	42	45

Medium Temperature Defrost Schedule

No. Per Day	Hours
1	12 midnight
2	12 am - 12 pm
3	6 am - 2 pm - 10 pm
4	12 - 6 am - 12 - 6 pm

All measurements are taken per ARI 1200 - 2002 specifications.





NOTES:

* STUB-UP AREA

** RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

- FRONT SILL HEIGHT AND OVERALL CASE HEIGHT VARYS WITH BASEFRAME HEIGHT
- ENDS ADD APPROXIMATELY 1 INCH TO CASE HEIGHT
- WIRING-TO-THE-TOP ADDS APPROXIMATELY 1 INCH TO CASE HEIGHT
- COOLER OPENING SHOULD BE 82" X CASE LENGTH
- SUCTION LINE - 7/8", LIQUID LINE - 3/8"
- AVAILABLE SHELF SIZES: 10", 12", 14", 16", 18", 20", 22" & 24"
- DASHED LINES SIGNIFY AREA INSIDE BASE RAIL BEHIND KICK-PLATE

High Multi-Deck Produce Merchandiser

OHPH- 6', 8' & 12'

Electrical Data

Model		Fans per Case	Standard Fans		High-Efficiency Fans		Anti-Condensate Heaters		Defrost Heaters			
			120 Volts		120 Volts		120 Volts		208 Volts		240 Volts	
			Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
OHPH	6'	3	1.50	90	0.70	42	---	---	2.88	600	3.33	798
	8'	4	2.00	120	0.93	56	---	---	3.85	800	4.44	1065
	12'	5	2.50	150	1.17	70	---	---	5.77	1200	6.67	1600

Lighting Data

Model		Lights per Row	Light Length	Fluorescent Lighting (Per Light Row)		Clearvoyant LED Lighting (Per Light Row)			
						Standard Power (Cornice or Shelf)		High Power (Cornice)	
				120 Volts		120 Volts		120 Volts	
				Amps	Watts	Amps	Watts	Amps	Watts
OHPH	6'	2	3'	0.37	44	0.14	16.6	0.30	35.8
	8'	2	4'	0.47	56	0.20	23.8	0.44	52.4
	12'	3	4'	0.70	84	0.30	35.7	0.66	78.6

Guidelines & Control Settings

Model	² BTUH/ft	Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Return Air (°F)	Discharge ³ Air Velocity (FPM)
OHPH Cut Produce	1340	6-8	26	30	45	330
OHPH Bulk Produce	1095	6-8	29	31	45	230

Defrost Controls

Model	Defrosts per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
			Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
OHPH	3	6-8	35	47	45	47	26	45	50	45

1 Anti-condensate heater data for reduced (cut produce) temperature option only.

2 BTUH/ft notes:

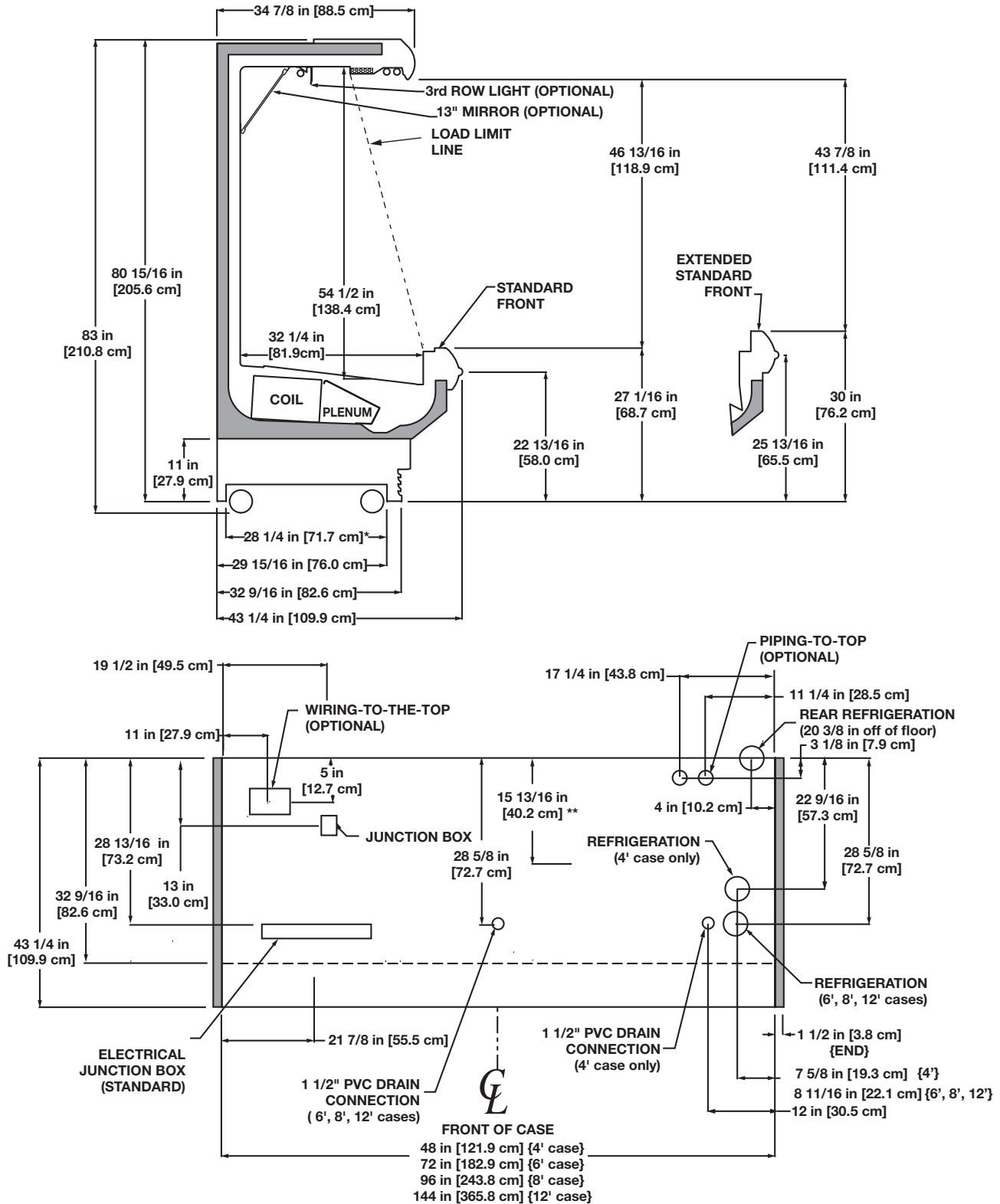
- Listed BTUH/ft indicate parallel operation. Conventional ratings may be approximated by multiplying listed rating by 1.08.
- Listed BTUH/ft indicate unlighted shelves. For T8 lighted shelves and 3rd row lighting, add 80 BTUH per 4' lighted shelf and 60 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case. For LED lighting, add 36 BTUH per 4' lighted shelf and 27 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case.

3 Average discharge air velocity at peak of defrost.

Medium Temperature Defrost Schedule	
Defrost per Day	Time
1	12 midnight
2	12am - 12pm
3	6am - 2pm - 10pm
4	12am - 6am - 12pm - 6pm

All measurements are taken per ARI 1200 - 2002 specifications.





OMZ Single-Deck Merchandiser

4', 6', 8', 10' & 12' (Frozen Meat)

Electrical Data

Case Length	Fans Per Case	High Efficiency Fans		Anti-Condensate Heaters		Defrost Heaters			
		120 Volts		120 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps ¹	Watts	Amps ¹	Watts
4'	2	0.23	14	0.60	72	3.85	800	4.43	1064
6'	2	0.23	14	0.90	108	5.77	1200	6.65	1596
8'	2	0.23	14	0.96	115	7.69	1600	8.88	2130
12'	3	0.35	21	1.83	220	11.54	2400	13.33	3200

Lighting Data

Case Length	Lights Per Row	Light Length	Clearvoyant LED Lighting (Per Light Row)			
			Standard Power (Cornice or Shelf)		High Power (Cornice)	
			120 Volts		120 Volts	
			Amps	Watts	Amps	Watts
4'	1	4'	0.10	11.9	0.18	21.5
6'	2	3'	0.14	16.6	0.25	29.8
8'	2	4'	0.20	23.8	0.36	43.0
12'	3	4'	0.30	35.7	0.54	64.5

Guidelines & Control Settings

² BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge ³ Air Velocity (FPM)
Conventional	Parallel				
592	526	3 - 5	-22	-10	220

Defrost Controls

Defrosts Per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
		Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
4	13 - 15	45	47	- - - ⁴	- - -	20	60	- - -	- - -

1 BTUH/ft notes:

- Standard fans (see Appendix C) increase refrigeration load by 96 BTUH/fan.
- Listed BTUH/ft indicate unlighted shelves. For LED lighting, add 36 BTUH per 4' lighted shelf and 27 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case. For T8 lighted shelves (see Appendix D) and 3rd row lighting, add 80 BTUH per 4' lighted shelf and 60 BTUH per 3' lighted shelf to determine Total Lighting BTUH Load, then divide the Total Lighting BTUH Load by the length of the case.

2 Average discharge air velocity at peak of defrost.

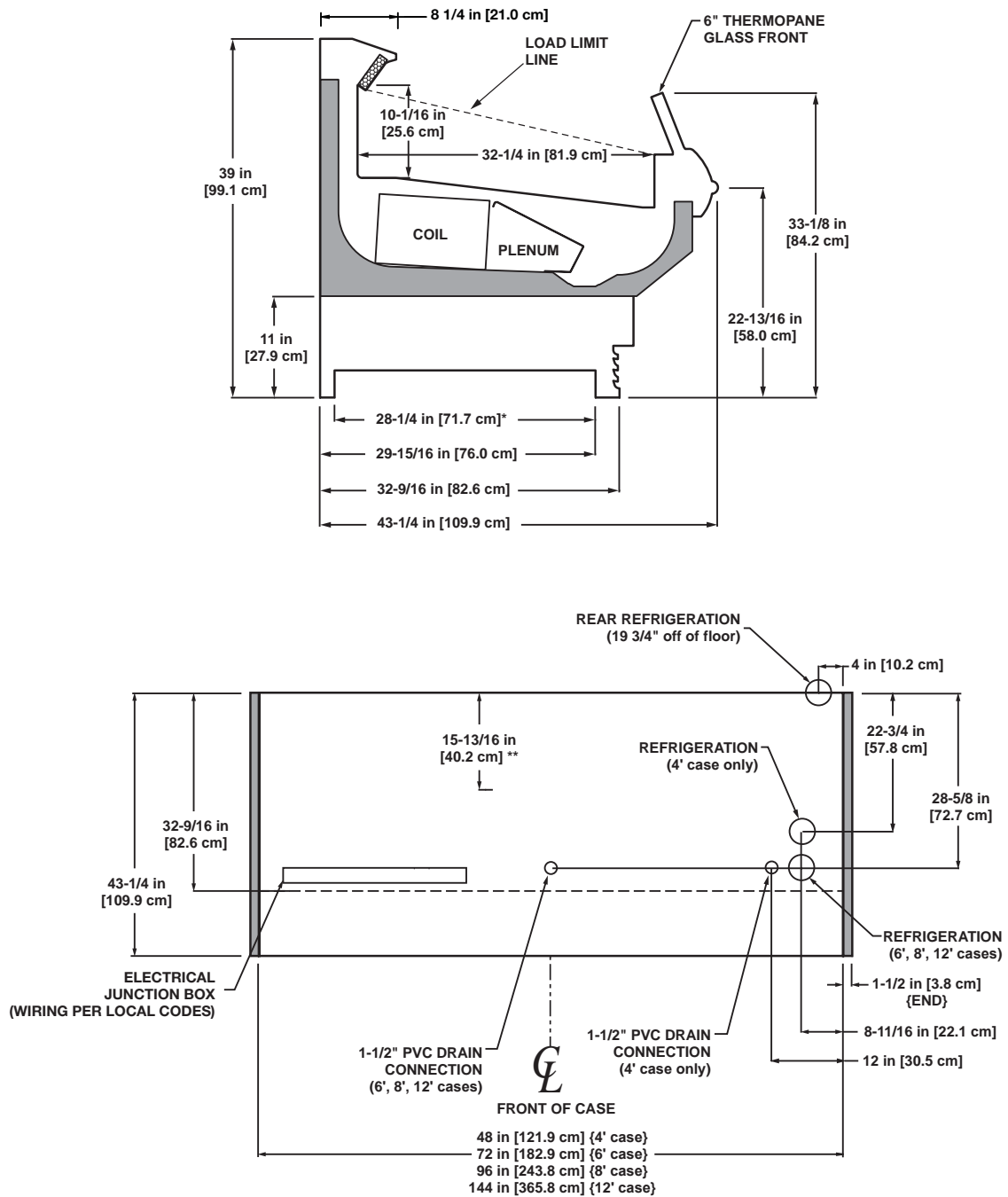
3 NOTE: "- - -" indicates that feature is not an option on this case model.

OMZ Single-Deck Merchandiser

4', 6', 8', 10' & 12' (Frozen Meat)

SINGLE-DECK

Frozen Meat



NOTES:

* STUB-UP AREA

** RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

- FRONT AND REAR SILL HEIGHTS VARY WITH BASEFRAME HEIGHT
- ENDS ADD APPROXIMATELY 1 INCH TO CASE HEIGHT
- A 2" MINIMUM AIR GAP IS REQUIRED BETWEEN THE REAR OF THE CASE AND A WALL
- SUCTION LINE - 7/8", LIQUID LINE - 3/8"
- DASHED LINES SIGNIFY AREA INSIDE THE BASE RAIL BEHIND KICK-PLATE



ONRZH High Narrow Reach-In Glass Door Merchandiser

1, 2, 3, 4, 5 & 6-door (Frozen Food / Ice Cream)

Electrical Data

Doors	Fans Per Case	Standard Fans		High Efficiency Fans		Defrost Heaters (1-Phase)				Defrost Heaters ¹ (3-Phase)			
		120 Volts		120 Volts		208 Volts		240 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps ²	Watts	Amps ²	Watts
1-door	1	0.50	30	0.15	9	4.89	1020	5.67	1359	2.82	1020	3.27	1359
2-door	2	1.00	60	0.31	18	10.99	2286	12.66	3038	7.61	2286	8.76	3038
3-door	3	1.50	90	0.46	28	12.40	2580	14.27	3425	8.59	2580	9.88	3425
4-door	4	2.00	120	0.611	37	16.29	3388	18.89	4533	11.28	3388	13.08	4533
5-door	5	2.50	150	0.77	46	19.89	4138	22.93	5503	13.78	4138	15.88	5503
6-door	6	3.00	180	0.92	55	23.09	4803	26.65	6395	16.28	4803	18.46	6395

Lighting Data

Doors	Fluorescent Lighting		LED Lighting								
	Standard (60w)		Optimax Pro ³			GE IMMERSION			Crossfire/Polaris ³		
	120 Volts		120 Volts		BTUH Credit Per Door	120 Volts		BTUH Credit Per Door	120 Volts		BTUH Credit Per Door
	Amps	Watts	Amps	Watts		Amps	Watts		Amps	Watts	
1-door	1.00	120	0.17	20	206	0.13	16	214	0.13	15	216
2-door	1.50	180	0.33	39	145	0.27	32	152	0.25	30	154
3-door	2.00	240	0.48	58	144	0.40	48	152	0.38	45	154
4-door	2.50	300	0.64	77	135	0.53	64	143	0.50	60	146
5-door	3.00	360	0.80	96	131	0.67	80	138	0.63	75	141
6-door	3.50	420	0.96	115	127	0.80	96	135	0.75	90	138

Anti-Condensate Heater Data

Doors	Anthony						Gemtron					
	101		Eliminaator ⁵		Eliminaator 2 ⁵		Polar		Polar LE		Polar EF	
	120 Volts		120 Volts		120 Volts		120 Volts		120 Volts		120 Volts	
	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
1-door	--- ⁴	---	---	---	---	---	---	---	1.55	186	---	---
2-door	4.10	492	1.79	214	1.24	149	2.39	287	1.67	201	1.19	143
3-door	5.89	707	2.63	315	1.81	217	3.58	430	2.50	301	1.78	214
4-door	7.77	932	3.46	415	2.37	284	4.77	573	3.33	401	2.37	285
5-door	9.61	1154	4.35	522	2.98	358	6.00	720	4.20	505	3.00	360
6-door	11.23	1347	5.20	624	3.56	427	7.14	857	4.98	599	3.54	425

ONRZH High Narrow Reach-In Glass Door Merchandiser

1, 2, 3, 4, 5 & 6-door (Frozen Food / Ice Cream)

Guidelines & Control Settings

Application	Door	⁶ BTUH/door		Evaporator (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge ⁷ Air Velocity (FPM)
		Conventional	Parallel				
Frozen	Standard	1286	1249	-11	3 - 5	-3	460
	Eliminaator/Polar LE (multi-door)	1127	1095	-11	3 - 5	-3	460
	Polar LE (single-door)	1527	1484	-8	3 - 5	2	300
Ice Cream	Standard	1347	1309	-17	3 - 5	-8	460
	Eliminaator/Polar LE (multi-door)	1166	1133	-17	3 - 5	-8	460
	Polar LE (single-door)	1601	1555	-17	3 - 5	-7	305

Defrost Controls

Defrosts Per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
		Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
1	13 - 15	46	73 ⁸	---	---	24	73 ⁹	---	---

1 3-phase load is unbalanced.

2 Figure given is maximum line amperage per phase.

3 Low-power lights. High-power option available.

4 NOTE: " - - " indicates that feature is not an option on this case model.

5 Values provided are for doors with no heat on the glass.

6 Standard fans increase refrigeration load by 96 BTUH/fan.

7 Average discharge air velocity at peak of defrost.

8 The recommended location is in the center of the coil on the second pass. If using a discharge air temperature to terminate defrost, utilize a 55°F termination temp.

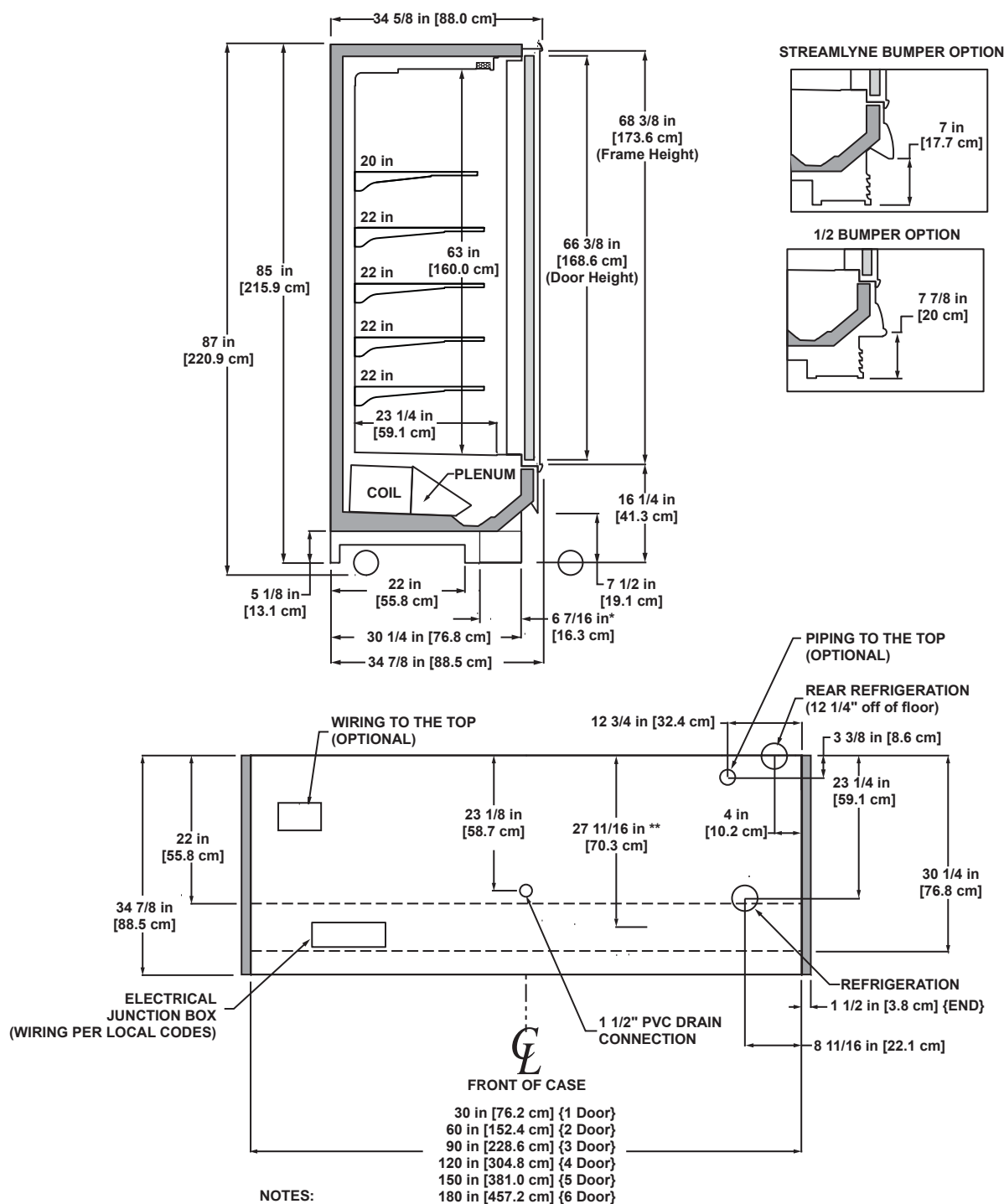
9 The recommended location is on the dump line. If using a discharge air temperature to terminate defrost, utilize a 55°F termination temp.

REACH-IN

Frozen Food / Ice Cream

ONRZH High Narrow Reach-In Glass Door Merchandiser

1, 2, 3, 4, 5 & 6-door (Frozen Food / Ice Cream)



ORZ Reach-In Glass Door Merchandiser

2, 3, 4, 5 & 6-door (Frozen Food / Ice Cream)

Electrical Data

Doors	Fans Per Case	Standard Fans		High Efficiency Fans		Defrost Heaters (1-Phase)				Defrost Heaters ¹ (3-Phase)			
		120 Volts		120 Volts		208 Volts		240 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps ²	Watts	Amps ²	Watts
2-door	2	1.00	60	0.31	18	10.99	2286	12.66	3038	7.61	2286	8.76	3038
3-door	3	1.50	90	0.46	28	12.40	2580	14.27	3425	8.59	2580	9.88	3425
4-door	4	2.00	120	0.611	37	16.29	3388	18.89	4533	11.28	3388	13.08	4533
5-door	5	2.50	150	0.77	46	19.89	4138	22.93	5503	13.78	4138	15.88	5503
6-door	6	3.00	180	0.92	55	23.09	4803	26.65	6395	16.28	4803	18.46	6395

Lighting Data

Doors	Fluorescent Lighting		LED Lighting								
	Standard (60w)		Optimax Pro ³			GE IMMERSION			Crossfire/Polaris ³		
	120 Volts		120 Volts		BTUH Credit Per Door	120 Volts		BTUH Credit Per Door	120 Volts		BTUH Credit Per Door
	Amps	Watts	Amps	Watts		Amps	Watts		Amps	Watts	
2-door	1.50	180	0.33	39	145	0.27	32	152	0.25	30	154
3-door	2.00	240	0.48	58	144	0.40	48	152	0.38	45	154
4-door	2.50	300	0.64	77	135	0.53	64	143	0.50	60	146
5-door	3.00	360	0.80	96	131	0.67	80	138	0.63	75	141
6-door	3.50	420	0.96	115	127	0.80	96	135	0.75	90	138

Anti-Condensate Heater Data

Doors	Anthony						Gemtron					
	101		Eliminaator ⁴		Eliminaator 2 ⁴		Polar		Polar LE		Polar EF	
	120 Volts		120 Volts		120 Volts		120 Volts		120 Volts		120 Volts	
	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
2-door	3.42	410	1.74	209	1.21	145	2.69	323	1.67	201	1.21	145
3-door	4.90	588	2.58	309	1.78	213	4.00	480	2.47	297	1.78	213
4-door	6.37	764	3.36	403	2.30	276	5.39	648	3.35	404	2.43	292
5-door	7.85	942	4.22	506	2.89	346	6.67	801	4.12	496	2.97	356
6-door	9.34	1121	5.06	607	3.47	416	8.00	961	4.94	595	3.56	427

ORZ Reach-In Glass Door Merchandiser

2, 3, 4, 5 & 6-door (Frozen Food / Ice Cream)

Guidelines & Control Settings

Application	Door	⁵ BTUH/door		Evaporator (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge ⁶ Air Velocity (FPM)
		Conventional	Parallel				
Frozen	Standard	1286	1249	-11	3 - 5	-3	405
	Eliminaator/Polar LE	1127	1095	-11	3 - 5	-3	405
Ice Cream	Standard	1347	1309	-17	3 - 5	-8	405
	Eliminaator/Polar LE	1166	1133	-17	3 - 5	-8	405

Defrost Controls

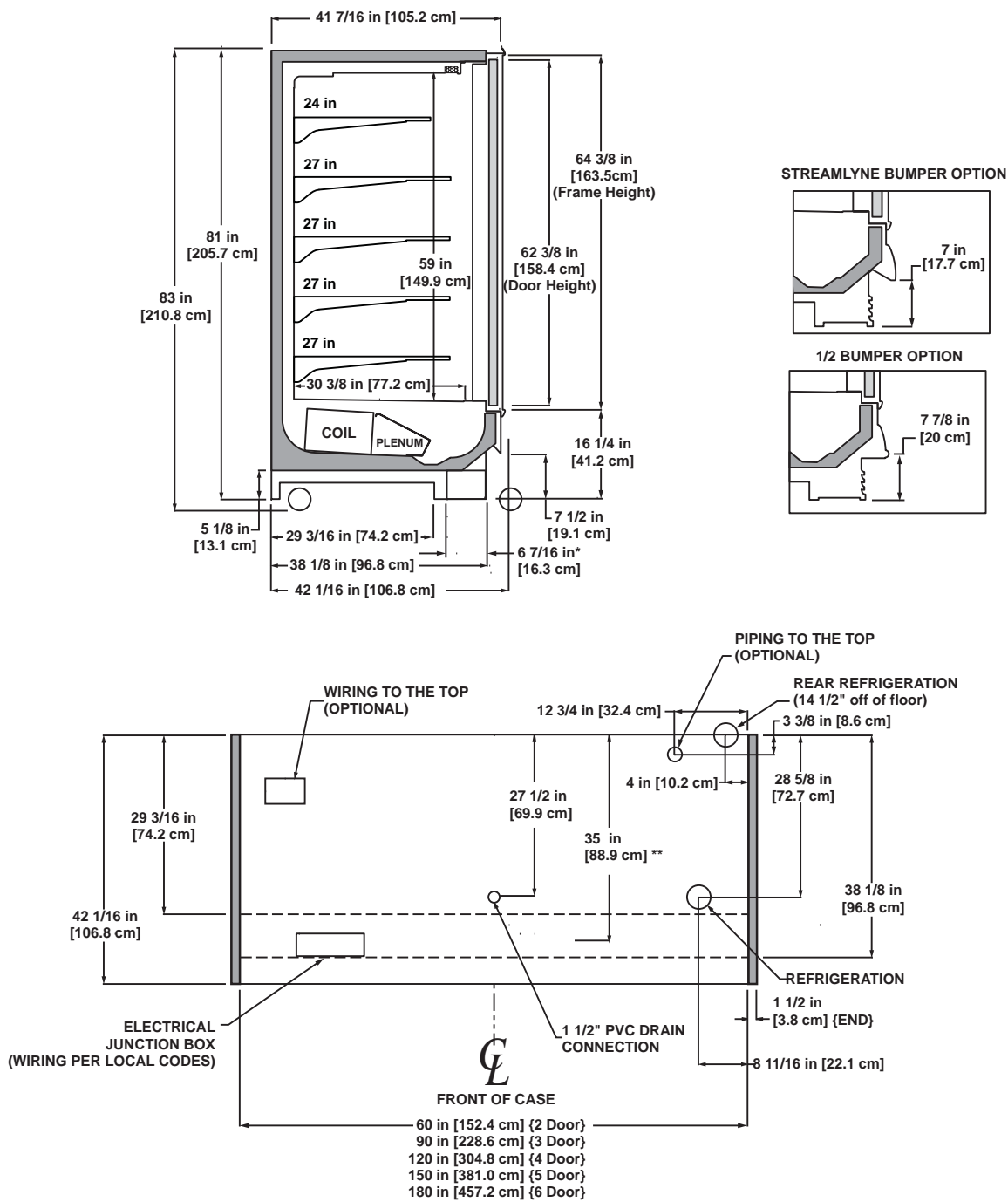
Defrosts Per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost		Reverse Air Defrost	
		Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
1	13 - 15	46	73 ⁷	- - - ⁸	- - -	24	73 ⁹	- - -	- - -

- 1 3-phase load is unbalanced.
- 2 Figure given is maximum line amperage per phase.
- 3 Low-power lights. High-power option available.
- 4 Values provided are for doors with no heat on the glass.
- 5 Standard fans increase refrigeration load by 96 BTUH/fan.
- 6 Average discharge air velocity at peak of defrost.
- 7 The recommended location is in the center of the coil on the second pass. If using a discharge air temperature to terminate defrost, utilize a 55°F termination temp.
- 8 NOTE: "- - -" indicates that feature is not an option on this case model.
- 9 The recommended location is on the dump line. If using a discharge air temperature to terminate defrost, utilize a 55°F termination temp.

REACH-IN

Frozen Food / Ice Cream

ORZ



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

- ENDS ADD APPROXIMATELY 1 INCH TO CASE HEIGHT
- WIRING-TO-THE-TOP- ADDS APPROXIMATELY 4 INCHES TO CASE HEIGHT
- A 2" MINIMUM AIR GAP IS REQUIRED BETWEEN THE REAR OF THE CASE AND A WALL
- SUCTION LINE (2DR & 3DR) 5/8", SUCTION LINE (4DR, 5DR & 6DR) 7/8"
- LIQUID LINE (ALL LENGTHS) - 3/8", LIQUID LINE w/HOT GAS DEFROST (ALL LENGTHS) - 1/2"
- AVAILABLE SHELF SIZES: WIRE SHELVES 16", 18", 20", 22" & 23 1/2"; SOLID SHELVES 18", 20", 22", 24" & 27"
- TOP SHELF MUST BE 24" OR SHORTER WHEN USING 27" SHELVES
- RECOMMENDED CONFIGURATION IS 1 - 24" SHELF AND 4 - 27" SHELVES BELOW TOP SHELF
- DASHED LINES SIGNIFY AREA INSIDE BASE RAIL BEHIND KICK-PLATE



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Summary: Application Application to Commit Energy
Efficiency/Peak Demand
Reduction Programs

(Mercantile Customers Only)- Fresh Market Store #150 electronically filed by Carys Cochern
on behalf of Duke Energy