



Case No.: 12-2671-EL-EEC

Mercantile Customer: **Mariemont City School District**

Electric Utility: **Duke Energy**

**Program Title or
Description:** **Lighting**

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: **Mariemont City School District**

Principal address: **6743 Chestnut Street Cincinnati, Ohio 45227**

Address of facility for which this energy efficiency program applies:

Mariemont Elementary 3900 Plainfield Rd Cinti, Oh 45227

Mariemont JR High 3847 Southern Ave Cinti, Oh 45227

Terrace Park Elementary 723 Elm Avenue Cinti, Oh 45174

Name and telephone number for responses to questions:

Grady Reid Jr 513-287-1038

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. (**Refer to Appendix A for documentation.**)
- The customer is part of a national account involving multiple facilities in one or more states. (Please attach documentation.)

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)).

Customer completed retrofit in September 2012 using energy efficient lighting

- 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): _____.
- 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: **275,524 kWh**

Refer to Appendix B for calculations and supporting documents

- 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: _____kWh

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

____ kW

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 **\$8595.00. Refer to Appendix C for documentation.**

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) . The calculated UCT value is **9.22**
Refer to Appendix D for calculations and supporting documents.

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 **\$132,394**.

The utility's program costs were **\$5,769**.

The utility's incentive costs/rebate costs were **\$8,595**.

Refer to Appendix D for calculations and supporting documents.

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

September 24, 2012

Ms. Natalie Lucas
Mariemont City School District
6743 Chestnut Street
Cincinnati Ohio 45227

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

Dear Ms. Lucas:

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 \$8595.00 has been proposed for your 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 \$aver® 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: Marvin Blade, Duke Energy
Rob Jung, WECC
James Geers, SFA Architects

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

Rebate is accepted. Rebate is declined.

By accepting this rebate, Mariemont City School District 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, Mariemont City School District 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, Mariemont City School District 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):

Natalie Lucas Natalie Lucas

9-26-12

Customer Signature

Printed Name

Date

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	Mariemont Elementary School – Interior Lighting	\$125.00
ECM-2	Mariemont Elementary School – Exterior Lighting	\$425.00
ECM-3	Mariemont JR High School – Interior Lighting	\$6500.00
ECM-4	Mariemont JR High School – Exterior Lighting	\$175.00
ECM-5	Terrace Elementary School – Interior Lighting	\$20.00
ECM-6	Terrace Elementary School – Exterior Lighting	\$1350.00
Total		\$8595.00



Public Utilities Commission

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

Case No.: ___ - ___ -EL-EEC

State of Ohio :

Natalie Lucas, Affiant, being duly sworn according to law, deposes and says that:

- 1. I am the duly authorized representative of: Mariemont City School District [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.

Natalie Lucas, Treasurer
Signature of Affiant & Title



Sworn and subscribed before me this 26th day of SEPTEMBER, 2012 Month/Year

Deborah Metz
Signature of official administering oath

DEBORAH METZ / NOTARY
Print Name and Title

My commission expires on 3/4/15

34500881 21		
MARIEMONT CITY SCHOOL DISTRICT		
7561 WOOSTER PKSUITE: A		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
7/6/2012	30	1,040
6/6/2012	30	1,070
5/7/2012	32	1,310
4/5/2012	29	1,280
3/7/2012	29	1,430
2/7/2012	29	1,460
1/9/2012	33	1,350
12/7/2011	33	1,650
11/4/2011	29	1,360
10/6/2011	29	1,350
9/7/2011	30	1,280
8/8/2011	31	1,220
		15,800

35200490 26		
MARIEMONT CITY SCHOOL DISTRICT		
7561 WOOSTER PK		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
7/6/2012	30	516
6/6/2012	30	324
5/7/2012	32	309
4/5/2012	29	330
3/7/2012	29	331
2/7/2012	29	343
1/9/2012	33	484
12/7/2011	33	499
11/4/2011	29	440
10/6/2011	29	296
9/7/2011	30	275
8/8/2011	31	306
		4453

26000690 20		
MARIEMONT BD OF EDUC		
3809 WEST		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
6/22/2012	35	0
5/18/2012	29	0
5/18/2012	29	276
4/19/2012	28	0
4/19/2012	28	241
3/22/2012	31	141
2/20/2012	31	150
2/20/2012	31	322
1/20/2012	32	155
1/20/2012	32	347
12/19/2011	32	146
12/19/2011	32	333
		2111

54502047 01		
MARIEMONT ELEM SCHOOL		
3900 PLAINVILLE RD		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
6/16/2011	27	8,973
6/21/2011	32	11,298
5/20/2011	30	10,206
4/20/2011	29	19,101
3/22/2011	29	34,594
2/21/2011	31	37,850
1/21/2011	32	32,998
12/20/2010	33	47,166
11/17/2010	29	36,835
10/19/2010	29	43,130
9/20/2010	32	59,823
8/19/2010	29	40,930
		382,904

FINAL ACCOUNT SINCE JUNE 2011

40400575 20		
MARIEMONT CITY SCHOOLS		
3847 SOUTHERN		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
9/2/2010	14	1,440
8/19/2010	29	3,360
8/19/2010	29	10,720
7/21/2010	30	3,200
7/21/2010	30	10,880
6/21/2010	32	9,120
		48,720

FINAL ACCOUNT SINCE SEPT 2010

84400574 20		
MARIEMONT BD OF ED		
6743 CHESTNUT		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
6/19/2012	32	37,040
5/18/2012	29	30,080
4/19/2012	30	25,840
3/20/2012	29	28,080
2/20/2012	31	24,080
1/20/2012	32	23,600
12/19/2011	32	28,160
11/17/2011	29	26,160
10/19/2011	29	27,200
10/19/2011	29	46,080
9/20/2011	32	38,560
8/19/2011	29	26,320
		361,200

25200490 26		
MARIEMONT CITY SCHOOLS		
7559 WOOSTER PK		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
7/6/2012	30	2,950
6/6/2012	30	1,980
5/7/2012	32	1,520
4/5/2012	29	1,290
3/7/2012	29	1,320
2/7/2012	29	1,230
1/9/2012	33	1,380
12/7/2011	33	1,450
11/4/2011	29	1,180
10/6/2011	29	1,320
9/7/2011	30	2,580
8/8/2011	31	3,640
		21,840

98600674 01		
MARIEMONT HIGH SCHOOL		
DIR WOOSTER RDNS 2000 FT E POCAHONTAS		
CINCINNATI, OH 45227		
Date	Days	Actual KWH
6/19/2012	32	190,099
5/18/2012	29	175,100
4/19/2012	30	161,471
3/20/2012	29	184,101
2/20/2012	31	221,224
1/20/2012	32	216,692
12/19/2011	32	188,845
11/17/2011	29	161,260
10/19/2011	29	166,862
9/20/2011	32	201,338
8/19/2011	29	186,494
7/21/2011	30	162,020
		2,215,506

Appendix B - Mariemont Schools Energy Savings Achieved

ECM #	Facility	Baseline Used ¹			Post Project Actual			Hours of Operation	Savings	
		Description	Annual kWh	Summer Coincident kW	Description	Annual kWh	Summer Coincident kW		Annual kWh	Summer Coincident kW
1	Elementary Exterior	Lighting Power Density Per Code	9,513	See Note 2	Lighting Power Density Improvement Over Code As Per Application	5,014	See Note 2	4,264	4,499	1.1
2	Elementary Interior	Lighting Power Density Per Code	412,934	See Note 2	Lighting Power Density Improvement Over Code As Per Application	212,445	See Note 2	2,376	200,489	84.3
3	JR High Exterior	Lighting Power Density Per Code	9,513	See Note 2	Lighting Power Density Improvement Over Code As Per Application	3,462	See Note 2	4,264	6,051	1.4
4	JR High Interior	Lighting Power Density Per Code	173,356	See Note 2	Lighting Power Density Improvement Over Code As Per Application	160,292	See Note 2	2,376	13,064	5.5
5	Terrace Park Exterior	Lighting Power Density Per Code	7,594	See Note 2	Lighting Power Density Improvement Over Code As Per Application	6,839	See Note 2	4,264	755	0.1
6	Terrace Park Interior	Lighting Power Density Per Code	185,411	See Note 2	Lighting Power Density Improvement Over Code As Per Application	143,788	See Note 2	2,376	41,623	17.5
Totals			798,321			531,840			266,481	109.9

After consideration of line losses, total energy savings are **275,524 kWh**. This value may also reflect minor DSMore modeling software rounding error.

Notes:

- 1 Building Code baseline lighting power density allowances as well as the as installed fixture wattages & quantities are detailed on the attached pages.
- 2 Annual energy (kWh) savings values validated in the applicant whole building energy model were input into the DSMore analysis software and modeled against a representative customer load shape to determine the coincident peak demand (kW) savings for this application

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name	Mariemont Schools-Multiple Schools Lighting-Mariemont Elementary School Interior Lighting
Project Name	Mariemont Schools-Multiple Schools Lighting-Mariemont Elementary School Interior Lighting
ECM	1

Application # 12-429

Rev.	0
State	OH

Note: all data from, "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

2,376	hr/yr operation - before implementation
2,376	hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
1	Floor Area Effected	144,828	1.2	0.001	173.8	412,934	A3,A5 A7,T8 Linear Fluor 3L 32 w	340	94	0.094	32.0	75,937	141.8	336,997	\$ -	\$ 168,319.88
				0.000	0.0	0	A1, A14, A2,B1,D1,E1,E4,L1,L2, R1, R2 Linear Fluor 2L 32 w	450	71	0.071	32.0	75,913	-32.0	-75,913	\$ -	\$ -
				0.000	0.0	0	A4,D5,E2 Linear Fluor 4L T8 32W	56	114	0.114	6.4	15,168	-6.4	-15,168	\$ -	\$ -
				0.000	0.0	0	A22 31w T8U	15	64	0.064	1.0	2,267	-1.0	-2,267	\$ -	\$ -
				0.000	0.0	0	B2 24" T8 17w	20	40	0.040	0.8	1,901	-0.8	-1,901	\$ -	\$ -
				0.000	0.0	0	F1 Cube Pendant 35w Halogen	3	35	0.035	0.1	249	-0.1	-249	\$ -	\$ -
				0.000	0.0	0	C3L, C6L LED 6"35w/Other	23	34	0.034	0.8	1,858	-0.8	-1,858	\$ -	\$ -
				0.000	0.0	0	C16 6"x6" 42w CFL	3	42	0.042	0.1	299	-0.1	-299	\$ -	\$ -
				0.000	0.0	0	C18 8"x8 26w CFL	4	60	0.060	0.2	570	-0.2	-570	\$ -	\$ -
				0.000	0.0	0	C4L-LED 4" 19w	10	19	0.019	0.2	451	-0.2	-451	\$ -	\$ -
				0.000	0.0	0	G1 46" T5 HO 54w 6L	20	360	0.360	7.2	17,107	-7.2	-17,107	\$ -	\$ -
				0.000	0.0	0	G2 46" T5 HO 54w 4L	6	240	0.240	1.4	3,421	-1.4	-3,421	\$ -	\$ -
				0.000	0.0	0	G3 46" T5 HO 54w 2L	4	120	0.120	0.5	1,140	-0.5	-1,140	\$ -	\$ -
				0.000	0.0	0	K3, K4, K5, K6 46" T5 HO 54w 3L	15	182	0.182	2.7	6,486	-2.7	-6,486	\$ -	\$ -
				0.000	0.0	0	L3 46" T5 HO 54w 1L	56	62	0.062	3.5	8,249	-3.5	-8,249	\$ -	\$ -
				0.000	0.0	0	N1 Track 120PAR lamp	5	120	0.120	0.6	1,426	-0.6	-1,426	\$ -	\$ -
	Totals	144,828			173.8	412,934		1,030			89.4	212,445	84.4	200,488	\$ -	\$ 155,969.88

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name **Mariemont Schools-Multiple Schools Lighting-Mariemont Elementary School Exterior Lighting**
 Project Name **Mariemont Schools-Multiple Schools Lighting-Mariemont Elementary School Exterior Light**
 ECM **2**

Application # **12-429**

Rev. **0**
 State **OH**

Note: all data from "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

4,264 hr/yr operation - before implementation
4,264 hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
	Area Effected	1	660	0.660	0.7	2,814	M2-Canopy Lighting 42w	12	42	0.042	0.50	2,149	0.2	665	\$ -	\$ 6,000.00
		1	1,200	1.200	1.2	5,117	M4-Canopy Lighting 2x32w	5	32	0.032	0.16	682	1.0	4,435	\$ -	\$ 2,250.00
		1	371	0.371	0.4	1,582	P1-in grade fixture LED 23.4	2	23	0.023	0.05	200	0.3	1,382	\$ -	\$ 2,600.00
				0.000	0.0	0	S2- Area Lighting-400PSMH	1	465	0.465	0.47	1,983	-0.5	-1,983	\$ -	\$ 1,500.00
	Totals	3			2.2	9,513		20			1.2	5,014	1.1	4,499	\$ -	\$ 12,350.00

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name	Mariemont Schools-Multiple Schools Lighting-Terrace Park Elementary School Interior Lighting
Project Name	Mariemont Schools-Multiple Schools Lighting-Terrace Park Elementary School Interior Lighting
ECM	3

Application # 12-429

Rev.	0
State	OH

Note: all data from "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

2,376	hr/yr operation ``
2,376	hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
1	Floor Area Effected	60,801	1.2	0.001	73.0	173,356	A3,A5 A7,T8 Linear Fluor 3L 32 w	178	94	0.094	16.7	39,755	56.2	133,601	\$ -	\$ 127,226.00
				0.000	0.0	0	A1, A14, A2,B1,B5,E1,L1,L2,LE, R1, R2 Linear Fluor 2L 32 w	234	71	0.071	16.6	39,475	-16.6	-39,475	\$ -	\$ -
				0.000	0.0	0	A4,A6,D5,E2 Linear Fluor 4L T8 32W	95	114	0.114	10.8	25,732	-10.8	-25,732	\$ -	\$ -
				0.000	0.0	0	A22 31w T8U	10	64	0.064	0.6	1,511	-0.6	-1,511	\$ -	\$ -
				0.000	0.0	0	B2,B2E 24" T8 17w	8	40	0.040	0.3	760	-0.3	-760	\$ -	\$ -
				0.000	0.0	0	F1 Cube Pendant 35w Halogen	3	35	0.035	0.1	249	-0.1	-249	\$ -	\$ -
				0.000	0.0	0	C3L, C6L LED 6"35w/Other	36	34	0.034	1.2	2,908	-1.2	-2,908	\$ -	\$ -
				0.000	0.0	0	C16 6"x6" 42w CFL	6	42	0.042	0.3	599	-0.3	-599	\$ -	\$ -
				0.000	0.0	0	C242 8" 42w CFL	14	60	0.060	0.8	1,996	-0.8	-1,996	\$ -	\$ -
				0.000	0.0	0	C4L -LED 4" 19w	4	19	0.019	0.1	181	-0.1	-181	\$ -	\$ -
				0.000	0.0	0	G1,G1E 46" T5 HO 54w 6L	4	360	0.360	1.4	3,421	-1.4	-3,421	\$ -	\$ -
				0.000	0.0	0	G3 46" T5 HO 54w 2L	3	120	0.120	0.4	855	-0.4	-855	\$ -	\$ -
				0.000	0.0	0	K3, K4, K5, K6 46" T5 HO 54w 3L	15	182	0.182	2.7	6,486	-2.7	-6,486	\$ -	\$ -
				0.000	0.0	0	L3 46" T5 HO 54w 1L	56	62	0.062	3.5	8,249	-3.5	-8,249	\$ -	\$ -
				0.000	0.0	0	N2 Track 120PAR lamp	30	120	0.120	3.6	8,554	-3.6	-8,554	\$ -	\$ -
				0.000	0.0	0	K1 Pendant Mount 55w 6L	8	480	0.480	3.8	9,124	-3.8	-9,124	\$ -	\$ -
				0.000	0.0	0	K2 Pendant Mount 55w 8L	6	618	0.618	3.7	8,810	-3.7	-8,810	\$ -	\$ -
				0.000	0.0	0	W1,W1E WALL MOUNT 2X26W	8	52	0.052	0.4	988	-0.4	-988	\$ -	\$ -
				0.000	0.0	0	HSS Stag Strip 39w 2L	2	78	0.078	0.2	371	-0.2	-371	\$ -	\$ -
				0.000	0.0	0	H8S Stag Strip 28w 2L	2	56	0.056	0.1	266	-0.1	-266	\$ -	\$ -
	Totals	60,801			73.0	173,356		722			67.5	160,292	5.5	13,064	\$ -	\$ 118,676.00

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name Mariemont Schools-Multiple Schools Lighting-Terrace Park Elementary School Exterior Lighting
 Project Name Mariemont Schools-Multiple Schools Lighting-Terrace Park Elementary School Exterior Ligh
 ECM 4

Application # 12-429

Rev. 0
 State OH

Note: all data from "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

4,264 hr/yr operation - before implementation
4,264 hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
	Area Effected	1	660	0.660	0.7	2,814	P1-in grade fixture LED 23.4	2	23	0.023	0.05	200	0.6	2,615	\$ -	\$ 2,600.00
		1	1,200	1.200	1.2	5,117	M3- Area Lighting-42 TT CFL	17	45	0.045	0.77	3,262	0.4	1,855	\$ -	\$ 5,950.00
		1	371	0.371	0.4	1,582				0.000	0.0	0	0.4	1,582	\$ -	\$ -
				0.000	0.0	0				0.000	0.0	0	0.0	0	\$ -	\$ -
	Totals	3			2.2	9,513		19			0.8	3,462	1.4	6,051	\$ -	\$ 8,550.00

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name	Mariemont Schools-Multiple Schools Lighting-Mariemont JR. High School Elementary School Interior Lighting
Project Name	Mariemont Schools-Multiple Schools Lighting-TMariemont JR. High School Interior Lighting
ECM	5

Application # 12-429

Rev.	0
State	OH

Note: all data from "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

2,376	hr/yr operation ``
2,376	hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
1	Floor Area Effected	65,029	1.2	0.001	78.0	185,411	A3,A5 A7,T8 Linear Fluor 3L 32 w	245	94	0.094	23.0	54,719	55.0	130,691	\$ -	\$ 129,640.00
				0.000	0.0	0	A1, A14, A2,B1,B1E,B5,E1,L1,LE, R1, Linear Fluor 2L 32 w	151	71	0.071	10.7	25,473	-10.7	-25,473	\$ -	\$ -
				0.000	0.0	0	A4,E2 Linear Fluor 4L T8 32W	25	114	0.114	2.9	6,772	-2.9	-6,772	\$ -	\$ -
				0.000	0.0	0	A22 31w T8U	10	64	0.064	0.6	1,511	-0.6	-1,511	\$ -	\$ -
				0.000	0.0	0	B4 2X4 T5 54w	27	108	0.108	2.9	6,928	-2.9	-6,928	\$ -	\$ -
				0.000	0.0	0	F1 Cube Pendant 35w Halogen	3	35	0.035	0.1	249	-0.1	-249	\$ -	\$ -
				0.000	0.0	0	C3L, C6L LED 6"35w/Other	36	34	0.034	1.2	2,908	-1.2	-2,908	\$ -	\$ -
				0.000	0.0	0	C16,C16E 6"x6" 42w CFL	13	42	0.042	0.5	1,297	-0.5	-1,297	\$ -	\$ -
				0.000	0.0	0	C5 6" 26w CFL	2	26	0.026	0.1	124	-0.1	-124	\$ -	\$ -
				0.000	0.0	0	C3EL,C3L,C6EL,C6L -LED 4" 19w	55	19	0.019	1.0	2,483	-1.0	-2,483	\$ -	\$ -
				0.000	0.0	0	G1,G1E 46" T5 HO 54w 6L	24	360	0.360	8.6	20,529	-8.6	-20,529	\$ -	\$ -
				0.000	0.0	0	L4 Linear Fluor T5 1L	3	62	0.062	0.2	442	-0.2	-442	\$ -	\$ -
				0.000	0.0	0	L8 Linear Fluor T5 2L	1	152	0.152	0.2	361	-0.2	-361	\$ -	\$ -
				0.000	0.0	0	L12 Linear Fluor T5 3L	3	182	0.182	0.5	1,297	-0.5	-1,297	\$ -	\$ -
				0.000	0.0	0	L16 Linear Fluor T5 4L	2	246	0.246	0.5	1,169	-0.5	-1,169	\$ -	\$ -
				0.000	0.0	0	L24 Linear Fluor T5 6L	2	370	0.370	0.7	1,758	-0.7	-1,758	\$ -	\$ -
				0.000	0.0	0	L3 46" T5 HO 54w 1L	27	62	0.062	1.7	3,977	-1.7	-3,977	\$ -	\$ -
				0.000	0.0	0	N2 Track 120PAR lamp	15	120	0.120	1.8	4,277	-1.8	-4,277	\$ -	\$ -
				0.000	0.0	0	K7 Pendant Mount 55w 6L	1	480	0.480	0.5	1,140	-0.5	-1,140	\$ -	\$ -
				0.000	0.0	0	K10 Pendant Mount 150w T6 CMH	10	168	0.168	1.7	3,992	-1.7	-3,992	\$ -	\$ -
				0.000	0.0	0	W1, WALL MOUNT 2X26W	4	52	0.052	0.2	494	-0.2	-494	\$ -	\$ -
				0.000	0.0	0	Q1 Linear Fluor T5 1L	3	62	0.062	0.2	442	-0.2	-442	\$ -	\$ -
				0.000	0.0	0	Q2 Linear Fluor T5 2L	4	152	0.152	0.6	1,445	-0.6	-1,445	\$ -	\$ -
	Totals	65,029			78.0	185,411		666.0			60.5	143,788	17.5	41,622	\$ -	\$ 116,840.00

LIGHTING CALCULATIONS

JAN 2012 V1

Salesforce Opportunity Name	Mariemont Schools-Multiple Schools Lighting-Mariemont JR. High School Exterior Lighting
Project Name	Mariemont Schools-Multiple Schools Lighting-Mariemont JR. High School Exterior Lighting
ECM	6

Application # 12-429

Rev.	0
State	OH

Note: all data from "Part 2-Custom-Lighting-App (2).xls", except as otherwise noted

4,264	hr/yr operation - before implementation
4,264	hr/yr operation - after implementation

Site ID	Existing						Proposed						Savings		Other Annual Savings	Incremental Implementation Costs
	Square Footage	Qty	Watts per sq ft	kw per fixture	total kw	kw-hr/yr	Fixture Type and Description	Qty	Watts per fixture	kw per fixture	total kw	kw-hr/yr	kw	kw-hr/yr		
	Area Effected	1	210	0.210	0.2	895	M1-Wall Mount 57 PL	2	51	0.051	0.1	435	0.1	461	\$ -	\$ 800.00
		1	1,200	1.200	1.2	5,117	M2, M2E- Area Lighting-42 TT CFL	18	45	0.045	0.8	3,454	0.4	1,663	\$ -	\$ 7,200.00
		1	371	0.371	0.4	1,582	SS2- Area Lighting-150PSMH	4	173	0.173	0.7	2,951	-0.3	-1,369	\$ -	\$ 4,800.00
	Totals	3			1.8	7,594		24			1.6	6,839	0.2	755	\$ -	\$ 12,800.00

Appendix C -Mariemont Schools Cash Rebate Calculation

Lighting

Measure	Quantity	Cash Rebate Rate	Cash Rebate
Elementary Exterior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$125
Elementary Interior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$6,500
JR High Exterior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$175
JR High Interior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$425
Terrace Park Exterior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$20
Terrace Park Interior Lighting	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$1,350
		Total	\$8,595

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 1-513-419-5572.

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 an/or billing history for other utilities as required):

Account Number	Annual Usage	Account Number	Annual Usage
95600674	2215506	8440057420	361200
3450088121	15800	352004920	4453
2520049026	21840		
2600069020	2111		

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart \$aver® 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 \$aver 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 \$aver 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 type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input checked="" type="checkbox"/> Custom Lighting Worksheet <input checked="" 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"/>
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"/>
Chiller Tune-ups	MSD Prescriptive Chiller Tune-ups <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
Nonresidential Custom Rebate Application
PART 1**



Proposed energy efficiency measures may be eligible for Self-Direct Custom rebates if they clearly reduce electrical consumption and/or demand as compared to the appropriate baseline.

Before you complete this application, please note the following important criteria:

- Submitting this application does not guarantee a rebate will be approved.
- Rebates are based on electricity conservation only.
- Electric demand and/or energy reductions must be well documented with auditable calculations.
- Incomplete applications cannot be reviewed; all fields are required.

Refer to the complete list of Instructions and Disclaimers, beginning on page 6.

Notes on the Application Process

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact your Duke Energy Ohio, Inc account manager or the Duke Energy Smart \$aver® team at 1-866-380-9580.

Every application must include calculations of the baseline electrical usage and the electrical usage of the proposed high-efficiency equipment/system. Monthly calculations are best. You, the Duke Energy Ohio customer, or your equipment vendor / engineer should perform these calculations and submit them to Duke Energy for review. *We strongly encourage the use of modeling software (such as eQuest or comparable) for complex projects.*

Upon receipt of your application, an acknowledgement email will be sent to you with an estimated response time based on an initial assessment of your application. The application review may include some communication to resolve any questions about the project or to request additional information. Applications that are received complete without missing information have a faster review time.

There are two ways to submit your completed application.

Email your scanned form to: SelfDirect@duke-energy.com

Or, fax your form to 513-419-5572

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



1. Contact Information (Required)

Duke Energy Customer Contact Information					
Company Name	Mariemont City School District				
Address	6743 Chestnut Street				
Project Contact	Natalie Lucas				
City	Cincinnati	State	Ohio	Zip Code	45227
Title	Treasurer				
Office Phone	513-272-7600	Mobile Phone		Fax	
E-mail Address	nlucas@mariemontschools.org				

Equipment Vendor / Contractor / Architect / Engineer Contact Information					
Company Name	SFA Architects Inc.				
Address	300 West Fourth Street				
City	Cincinnati	State	Ohio	Zip Code	45202
Project Contact	James Geers				
Title	Architect				
Office Phone	513-721-0600	Mobile Phone		Fax	
E-mail Address	jgeers@sfa-architects.com				
Describe Role	Architect				

Payment Information						
Payee Legal Company Name (as shown on Federal income tax return):	Mariemont City School District					
Mailing Address	6743 Chestnut Street					
City	Cincinnati	State	Ohio	Zip Code	45227	
Type of organization (check one) <input type="checkbox"/> Individual/Sole Proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Unit of Government <input checked="" type="checkbox"/> Non-Profit (non-corporation)						
Payee Federal Tax ID # of Legal Company Name Above:	31-6000866					
Who should receive incentive payment? (select one) <input checked="" type="checkbox"/> Customer <input type="checkbox"/> Vendor (Customer must sign below)						
If the vendor is to receive payment, please sign below: I hereby authorize payment of incentive directly to vendor:						
Customer Signature					Date	/ / (mm/dd/yyyy)

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



2. Project Information (Required)

A. Please indicate project type:

- New Construction
- Expansion at an existing facility
- Replacing equipment due to equipment failure
- Replacing equipment that is estimated to have remaining useful life of 2 years or less
- Replacing equipment that is estimated to have remaining useful life of more than 2 years
- Behavioral, operational and/or procedural programs/projects

B. Please describe your project, or attach a detailed project description that describes the project.

Three Schools in the Mariemont City School District (Mariemont Elementary School, Mariemont Junior High School, and Terrace Park Elementary School)are being reconfigured, expanded, and modified. A new lighting design has been developed with high efficiency fixtures, occupncy sensors, and optimal spacing to achieve the required fc level (typically 50) but have a reduction from the code maximum lighting power density. Exterior Lighting Fixtures are also being replaced and compared against code. The design is Modeled in Comcheck and compared against the Baseline to determine the relative savings.

C. When did you start and complete implementation?

Start date 4 / 2012 (mm/yyyy) End date 9/2012 (mm/yyyy)

D. Are you also applying for Self-Direct Prescriptive incentives and, if so, which one(s)¹?

E. Please indicate which worksheet(s) you are submitting for this application (check all that apply):

- Lighting
- Variable Frequency Drive (VFD)
- Compressed Air
- Energy Management System (EMS)
- General (for projects not easily submitted using one of the above worksheets)

F. Please tell us if there is anything about your electrical energy projections (either for the baseline or the proposed project) that you are either unsure about or for which you have made significant assumptions. Attach additional sheets as needed.

¹ If your project involves some equipment that is eligible for prescriptive incentives and some equipment that is likely eligible for custom incentives, and if it is feasible to separate the equipment for the energy analysis, then the equipment will be evaluated separately. If it is not feasible to separate the equipment for analysis, then the equipment will be evaluated together in the custom application.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Required: Attach a supplier or contractor invoice or other equivalent information documenting the Implementation Cost for each project listed in your application. (Note: self-install costs cannot be included in the Implementation Cost)

3. Signature (Required – must be signed by Duke Energy customer)


Customer Consent to Release of Personal Information

I, (insert name) Natalie Lucas, do hereby consent to Duke Energy disclosing my Duke Energy Ohio, Inc Account Number and Federal Tax ID Number to its subcontractors solely for the purpose of administering Duke Energy Ohio's Mercantile Self-Direct Program. I understand that such subcontractors are contractually bound to otherwise maintain my Duke Energy Ohio, Inc Account Number and Federal Tax ID Number in the strictest of confidence.

I realize that under the rules and regulations of the public utilities commission, I may refuse to allow Duke Energy Ohio, Inc to release the information set forth above. By my signature, I freely give Duke Energy Ohio, Inc permission to release the information designated above.

Application Signature

I certify that I meet the eligibility requirements of the Duke Energy Ohio, Inc Mercantile Self Direct Custom Incentives Program and that all information provided within this application is correct to the best of my knowledge. I agree to the terms and conditions set forth for this program. I certify that the numbers, energy savings, and responses shown on this form are correct. Further, I certify that the taxpayer identification number is current and correct. I am not subject to backup withholding because: (a) I am exempt from backup withholding; or (b) I have not been notified by the IRS that I am subject to backup withholding as a result of a failure to report all interest or dividends; or (c) the IRS has notified me that I am no longer subject to backup withholding. I am a U.S. citizen (includes a U.S. resident alien).


Duke Energy Ohio, Inc Customer Signature

Print Name Natalie Lucas

Date 7/15/2012

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Checklist for completing the Application

INCOMPLETE APPLICATIONS WILL RESULT IN DELAYS IN DUKE ENERGY PROCESSING YOUR APPLICATION AND NOTIFYING YOU CONCERNING ANY REBATES. Before submitting the application and the required supplementary information, use the following checklist to ensure that your application is complete and the information in the application is accurate. (Note: this checklist is for your use only – do not submit this checklist with your application)

Section No. & Title	Have You:
1. Contact Information	<input checked="" type="checkbox"/> Completed the contact information for the Duke Energy customer? <input checked="" type="checkbox"/> Completed the contact information for the equipment vendor / project engineer that can answer questions about the technical aspects of the project, if that is a different person than above?
2. Project Information	<input type="checkbox"/> Answered the questions A-E, including providing a description of your project. <input type="checkbox"/> Completed and attached the lighting, compressed air, VFD, EMS and/or General worksheet(s)?
3. Signature	<input checked="" type="checkbox"/> Signed your name? <input checked="" type="checkbox"/> Printed your name? <input checked="" type="checkbox"/> Entered the date?
Supplementary information (Required)	<input checked="" type="checkbox"/> Attached a supplier or contractor's invoice or other equivalent information documenting the Implementation Cost for projects listed in your application? (Note: self-install costs cannot be included in the Implementation Cost) <input checked="" type="checkbox"/> (If submitting the General Worksheet) attached calculations documenting the energy usage and energy savings for each project listed in your application?

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact:

- your Duke Energy account manager
- or,
- the Duke Energy Smart \$aver® team at 1-866-380-9580.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Instructions/Terms/Conditions

Note: Please keep for your records- do not submit with the application

1. Energy service companies or contractors may assist in preparing the application, but an authorized representative of the customer must sign this application to be eligible to participate in the Mercantile Self Direct Program. Completion of this application does not guarantee the approval of a Self Direct Custom Rebate.
2. Once all documentation requested in this application is received by *Duke Energy Ohio, Inc*, and any follow-up information requested by *Duke Energy* is received, the rebate amount for each Energy Conservation Measure (ECM) will be communicated to the customer. The rebate amount will be based on ECM energy savings and ECM incremental installation cost.
3. All rebates require approval by the Public Utilities Commission of Ohio. *Duke Energy Ohio, Inc* will submit an application for rebate on the customer's behalf upon customer attestation to program terms, conditions and requirements as outlined in the rebate offer letter and upon customer completion of attestation documents required by the Public Utilities Commission of Ohio.
4. *Duke Energy Ohio, Inc* will issue a Self Direct Custom Rebate check, based on the approved rebate amount for each ECM, upon receiving approval from the Public Utilities Commission of Ohio. *Duke Energy Ohio, Inc* does not guarantee PUCO approval.
5. With the application, the customer must provide a list of all sites where the ECMs were installed. *Duke Energy Ohio, Inc* requests that sites of similar size, hours of operation and energy consuming characteristics be grouped together in one application for the determination of the rebate amount. The application should identify the site where each unique ECM was installed.
6. Based on the information submitted with the application and the information gathered both before and after the initial installation of the ECM, *Duke Energy Ohio, Inc* will calculate the rebate amount for each ECM.
7. *Duke Energy Ohio, Inc* may conduct random site inspections of a sample of the locations where the ECMs are installed to verify installation and operability of the ECMs and to obtain information needed to calculate the Approved Incentive Amount.
8. Customers are encouraged to retain copies of all forms, invoices and supporting documentation for their records.
9. Approved rebates are valid for 6 months from the date communicated to the customer by *Duke Energy Ohio, Inc*, subject to the expiration of measure eligibility based on project completion dates and application submission deadlines as defined by PUCO. Customers are encouraged to execute their rebate offer contracts and PUCO-required affidavits promptly to ensure eligibility is not forfeited.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



10. *Duke Energy Ohio, Inc* reserves the right to recover all unrecoverable costs associated with the project approval if the customer decides not to execute the rebate contract, after the project is approved by *Duke Energy Ohio, Inc*.
11. Projects financially supported by other funding sources will be evaluated on a case-by-case basis for potential partial funding from *Duke Energy Ohio, Inc*.
12. Participants must be *Duke Energy Ohio, Inc* nonresidential, mercantile customers with the project sites in the *Duke Energy Ohio, Inc* service territory.
13. Customers or trade allies may not use any *Duke Energy* logo without prior written permission.
14. Only trade allies registered with *Duke Energy* are eligible to participate.
15. All equipment must be new. Used or rebuilt equipment is not eligible for incentives. All old existing equipment must be removed on retrofit projects.
16. Disclaimers: *Duke Energy Ohio, Inc*
 - a. does not endorse any particular manufacturer, product or system design within the program;
 - b. will not be responsible for any tax liability imposed on the customer as a result of the payment of incentives;
 - c. does not expressly or implicitly warrant the performance of installed equipment. (Contact your contractor for details regarding equipment warranties.);
 - d. is not responsible for the proper disposal/recycling of any waste generated or obsolete or old equipment as a result of this project;
 - e. is not liable for any damage caused by the installation of the equipment nor for any damage caused by the malfunction of the installed equipment; and
 - f. reserves the right to change or discontinue this program at any time. The acceptance of program applications is determined solely by *Duke Energy Ohio, Inc*.



The Lighting Worksheet is part 2 of the application. Do not submit this file without submitting a completed Part1 Custom Application document file, which can be found at www.duke-energy.com.

Before you complete this application, please note the following important criteria:

- Incentive approval is required PRIOR to equipment purchase, or any other activity which would indicate that the Duke Energy customer has already decided to proceed.
- Submitting this application does not guarantee an incentive will be approved.
- Incentives are based on electricity conservation only.
- Electric demand and/or energy reductions must be well documented with auditable calculations.
- Simple payback without incentive must be greater than 1 year.

- Incomplete applications will not be reviewed; all fields are required.

Refer to the complete list of Instructions and Disclaimers, found in the Custom Application Part 1 document.

**Please enter your information and data into the cells that are shaded.
Cells in white are locked and cannot be written over.**

Duke Energy Customer Contact Information (Match the information in Application Part 1):

Name	Paul Imhoff
Company	Mariemont Local School District

Equipment Vendor / Project Engineer Contact Information

Name	James Geers
Company	SFA Architects Inc.

Before proceeding with the custom application, please verify that your project is not on the prescriptive incentive application.

The prescriptive incentive applications can be found at:

- KY <http://www.duke-energy.com/kentucky-business/energy-management/energy-efficiency-incentives.asp>
 Kentucky only: custom incentives only available to K-12 school facilities; prescriptive incentives available for those not on rate TT.
- OH <http://www.duke-energy.com/ohio-business/energy-management/energy-efficiency-incentives.asp>
- NC <http://www.duke-energy.com/north-carolina-business/energy-management/energy-efficiency-incentives.asp>
- SC <http://www.duke-energy.com/south-carolina-business/energy-management/energy-efficiency-incentives.asp>

Prescriptive incentives are already pre-approved and the application is submitted after project implementation.

Take note of the equipment eligibility on the prescriptive application before planning to utilize the prescriptive application.



Please enter your information and data into the cells that are shaded.

Cells in white are locked and cannot be written over.

List of Sites (Required)

Project/ Site (see note 1)	Site Name	Electric Account Number(s) (see note 2)	Site Address	Area (sq ft)	Location within Facility	Location Type	Indoor or Outdoor?
<i>Example</i>	<i>Distribution Center</i>	<i>12345678 01</i>	<i>Example: 123 Main Street, Anywhere USA 12345</i>	<i>1000</i>	<i>Warehouse</i>	<i>Industrial</i>	<i>Indoor</i>
1	Mariemont ES - IND	108038573	6750 Wooster Pike, Mariemont Ohio 45227	120690	Classroom	K-12	Indoor
2	Mariemont ES -EXT	108038573	6750 Wooster Pike, Mariemont Ohio 45227	2000	Outdoor - Security	K-12	Outdoor
3	Mariemont JH - IND	108050433	3847 Southern Ave. Cincinnati Ohio 45227	60801	Classroom	K-12	Indoor
4	Mariemont JH -EXT	108050433	3847 Southern Ave. Cincinnati Ohio 45227	100	Outdoor - Security	K-12	Outdoor
5	Terrace Park ES -IND	106940015	723 Elm Street, Terrace Park Ohio 45227	65092	Classroom	K-12	Indoor
6	Terrace Park ES -EXT	106940015	723 Elm Street, Terrace Park Ohio 45227	2000	Outdoor - Security	K-12	Outdoor
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If your application involves more than 20 lighting projects, please check here and use multiple worksheets.

1 Project/Site

You can write over the default project/site number with a store #, building identifier, or other reference that distinguishes one project/location from another.

2 Electric Account Number(s)

If there are multiple meters at a site, only include the Duke Energy account numbers that pertain to the project.

Currently active account number(s) are required for an existing facility. For new construction, write in "new construction."



Project/ Site	Hours of Use (see note 3)								Controls (see note 5)				
	24 x 7	Weekday		Saturday		Sunday		Weeks of Use in Year (see note 4)	Total Annual Hours of Use	Existing		Proposed	Description
		Start Hour	End Hour	Start Hour	End Hour	Start Hour	End Hour			Type of Control	Hours Reduction	Type of Control	
Example	No	8:00 AM	7:00 PM	10:00 AM	6:00 PM	1:00 PM	6:00 PM	52	3,536	None	0%	Occupancy	Applying for Prescriptive Incentive
1	No	7:00:00 AM	5:00:00 PM	8:00:00 AM	#####			44	2,376	None	0%	Occupancy	Applying for Prescriptive Incentive
2	No	7:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	52	4,472	None	0%	None	
3	No	7:00:00 AM	5:00:00 PM	8:00:00 AM	#####			44	2,376	None	0%	Occupancy	Applying for Prescriptive Incentive
4	No	7:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	52	4,472	None	0%	None	
5	No	7:00:00 AM	5:00:00 PM	8:00:00 AM	#####			44	2,376	None	0%	Occupancy	Applying for Prescriptive Incentive
6	No	6:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	6:00:00 PM	7:00:00 AM	52	4,732	None	0%	None	
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3 Hours of Use

For unoccupied times, leave applicable cells blank.

4 Weeks of Use in Year

If the lighting fixtures are not in use 52 weeks during the year (for example, during holiday or summer break), provide an explanation of when they are not expected to be in use and why:

School in in session 44 weeks a year, exterior lights are on year round.

5 Controls

Please attach more description of existing and/or proposed controls if more space is needed. If sufficient description is not provided, then controls portion of project will not be evaluated. Attach assumptions and calculations to support estimated reduction in hours that result from the controls.

New occupancy sensors should be applied for through the prescriptive application unless ineligible for prescriptive.

New or upgraded EMS/building controls require a separate application part 2. Without the separate application, EMS portion of the project will not be evaluated for an incentive.



Existing Fixture(s)									
Project/ Site	Existing Fixture Installation Year (see note 6)	Fixture Type	Fixture Manufacturer (see note 6)	Fixture Model Number (see note 6)	Lamps per Fixture	Fixture Size	Fixture Input Power (watts) (see note 7)	Quantity of Fixtures	Total Demand (kW)
<i>Example</i>	<i>1995</i>	<i>High Pressure Sodium</i>	<i>Manufacturer</i>	<i>Model #</i>	<i>1</i>		<i>190</i>	<i>175</i>	<i>33</i>
1	1938, 1954	T8 Fluorescent	Comcheck	1	1	1	144,828	1	145
2	1938, 1954	Metal Halide	Comcheck	1	1	1	2,981	1	3
3	1926, 1954	T8 Fluorescent	Comcheck	1	1	1	72,961	1	73
4	1926, 1954	Metal Halide	Comcheck	1	1	1	2,160	1	2
5	1913, 1956	T8 Fluorescent	Comcheck	1	1	1	78,035	1	78
6	1913, 1956	Metal Halide	Comcheck	1	1	1	2,981	1	3
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Application Total 6 304

6 Information on Existing Fixture(s)

Optional - please provide as much information as you can.

For new construction projects, provide information on the light fixture(s) that would meet the building code in your location.

7 Fixture Input Power (watts)

Provide actual input power (in watts), not nominal power rating. For example, a 400 watt (nominal) metal halide fixture has a typical input power of approximately 459 watts.



Project/ Site	Proposed Fixture(s)										Projected Savings		
	Fixture Type	Fixture Manufacturer (see note 8)	Fixture Model Number (see note 8)	Warranty of Proposed Fixtures (years)	Lamps per Fixture	Fixture Input Power (watts) (see note 9)	Quantity of Fixtures	Total Demand (kW)	Lumen Output per Fixture	Lumen/ Sq Ft	Demand (kW)	Annual Energy (kWh)	Other Annual Savings \$ (see note 10)
Example	T8 Fluorescent	Manufacturer	Model #	5.0	1.0	78	225	18		0	55,515	\$1,265	
1	Other (enter by typing	Comcheck	Lighting Schedule	10.0	1.0	89,455	1	89		0	55	131,566	
2	Other (enter by typing	Comcheck	Lighting Schedule	10.0	1.0	1,260	1	1		0	2	7,696	
3	Other (enter by typing	Comcheck	Lighting Schedule	10.0	1.0	49,288	1	49		0	24	56,247	
4	Other (enter by typing	Comcheck	Lighting Schedule	10.0	1.0	866	1	1		0	1	5,787	
5	Other (enter by typing over)	Comcheck	Lighting Schedule	10.0	1.0	63,904	1	64		0	14	33,575	
6	Other (enter by typing over)	Comcheck	Lighting Schedule	10.0	1.0	1,260	1	1		0	2	8,144	
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Application Total 6 206 98 243,015 \$0
 Average Electric Rate \$/kWh \$0.100 Estimated Annual Electric Savings \$24,302 Project Simple Electric Payback (see note 12) 4.1 years

8 Fixture Manufacturer and Model Number

Attach a scanned copy of a spec sheet for each fixture that includes the input power (watts), lumen output and other relevant information. For eligible LED fixtures, refer to the FAQs for Custom Incentives found at www.duke-energy.com and attach required documents if necessary.

9 Fixture Input Power (watts)

Provide actual input power (in watts), not nominal power rating. For example, a 400 watt (nominal) metal halide fixture has a typical input power of approximately 459 watts.

10 Other Annual Savings \$

Optional. Estimate other annual savings in addition to electric (for example operations/maintenance savings).

11 Incremental Project Cost \$

Attach a copy of a formal proposal with the projected project costs. For new construction projects, a formal proposal is also required with the projected costs for the light fixture(s) that would meet the building code in your location.

12 Project Simple Electric Payback

If the simple payback on the project is less than 1 year, then the project is not eligible for a custom incentive. Please check that the electric rate is accurate based on history.



Incremental Project

Cost \$ (see note 11)

\$29,215

\$44,600

\$2,000

\$20,000

\$2,000

\$30,000

\$2,000

\$100,600

MARIEMONT CITY SCHOOLS
 6743 CHESTNUT DRIVE
 MARIEMONT, OH 45227

Contractor's Name:
 Address:

ESI, INC
 4696 DEVITT DRIVE
 CINCINNATI, OH 45246
 MARIEMONT ELEMENTARY
 ELECTRICAL
 BID PKG. # 19.1

Contractor Pay Application Summary

Project Name: **MARIEMONT ELEMENTARY**
 Bid Package No.

1	Original Contract Amount	\$	1,301,350.00
2	Net Changes to Date	\$	80,823.00
3	Current Contract Amount	\$	1,382,173.00
4	Labor Completed to Date	\$	560,534.20
5	Material Completed to Date	\$	713,511.00
6	Total Work Completed to Date	\$	1,274,045.20
7	Store Material to Date	\$	-
8	Less Retained to Date	\$	30,353.12
9	Total Amount Due	\$	1,243,692.08
10	Less Previous Payments	\$	1,052,995.98
11	Less Amount Retained to Cover Lien	\$.
12	Less Amount Retained for Liquidated Damages	\$.
13	Less Other Amounts Withheld	\$.
14	Current Due	\$	190,696.10
15	Balance to Complete	\$	138,480.92

(This section must be completed)

EDGE Subcontractor/Supplier Payment (per section 9.2.1 of General Conditions)

EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>TORMAXX COMPANY</u>	<u>5,667.58</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>B & S ELECTRIC SUPPLY</u>	<u>830.57</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>-</u>	<u>-</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
_____	_____	_____
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
_____	_____	_____

OSFC approval required for the following contract adjustments:

1. Assessment of liquidated damages
2. Other amounts withheld

Ohio School Facilities Commission _____ Date _____

Comments:

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:
 MARIEMONT CITY SCHOOL DISTRICT
 6743 CHESTNUT DRIVE
 MARIEMONT, OH 45227

PROJECT:
MARIEMONT ELEMENTARY SCHOOL
 6750 WOOSTER PIKE
 CINCINNATI, OH 45227

APPLICATION NO: 8
PERIOD TO: 6/30/2012
PURCHASE ORDER NO.:
CONTRACT DATE: 9/9/2011

FROM CONTRACTOR:
 ESI, INC
 4696 DEVITT DRIVE
 Cincinnati, Ohio 45246

VIA ARCHITECT:

CONTRACT FOR: Electrical

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract
 Continuation sheet is attached.

1 ORIGINAL CONTRACT SUM	\$1,301,350.00
2 Net Change by Change Orders	\$80,823.00
3 CONTRACT SUM TO DATE	\$1,382,173.00
4 TOTAL COMPLETED & STORED TO DATE	\$1,274,045.20
5 RETAINAGE	
a. 8-50% of Completed Labor	\$30,353.12
b. 8% of Stored Material	\$0.00
Total Retainage	\$30,353.12
6 TOTAL EARNED LESS RETAINAGE	\$1,243,692.08
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT	\$1,052,995.98
8 CURRENT PAYMENT DUE	\$190,696.10
9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$138,480.92

The Contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the State have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

Thomas E. Schmitt

Contractor

06/15/12

Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

Yander

Architect

6/27/12

Date

DMC

Construction Manager

7/1/12

Date

Approved:

School District

Date

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	\$76,284.00	-\$3,752.00
Total approved this month	\$8,458.00	-\$167.00
TOTALS	\$84,742.00	-\$3,919.00
NET CHANGES by Change Order		\$80,823.00

ITEM NUMBER	DESCRIPTION OF WORK		SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED	TOTAL COMPLETED & STORED TO DATE	%	BALANCE TO FINISH	RETAINAGE
				PREVIOUS APPS.	THIS PERIOD					
1.00	Bond & Insurance	LABOR	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00%	0.00	480.00
2.00	General Conditions	LABOR	80,000.00	60,000.00	8,000.00	0.00	68,000.00	85.00%	12,000.00	5,440.00
3.00	Mobilization/Demobilization	LABOR	20,000.00	10,000.00	0.00	0.00	10,000.00	50.00%	10,000.00	800.00
4.00	Coordination	LABOR	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00%	0.00	560.00
5.00	Field Supervision	LABOR	40,000.00	30,000.00	4,000.00	0.00	34,000.00	85.00%	6,000.00	1,920.00
6.00	Project Management	LABOR	10,000.00	7,500.00	1,000.00	0.00	8,500.00	85.00%	1,500.00	480.00
7.00	Clean Up	LABOR	9,000.00	6,750.00	900.00	0.00	7,650.00	85.00%	1,350.00	432.00
8.00	Safety	LABOR	5,000.00	3,750.00	500.00	0.00	4,250.00	85.00%	750.00	240.00
9.00	Close Out	LABOR	7,000.00	700.00	0.00	0.00	700.00	10.00%	6,300.00	56.00
10.00	Punch List	LABOR	4,000.00	0.00	400.00	0.00	400.00	10.00%	3,600.00	32.00
11.00	Temporary Electric	LABOR	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00%	0.00	480.00
12.00	Temporary Electric	MATERIAL	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00%	0.00	0.00
13.00	SITE UNDERGROUND CONDUIT/WIRE	LABOR	15,000.00	13,500.00	0.00	0.00	13,500.00	90.00%	1,500.00	240.00
14.00	SITE UNDERGROUND CONDUIT/WIRE	MATERIAL	20,000.00	18,000.00	0.00	0.00	18,000.00	90.00%	2,000.00	0.00
15.00	MC FEEDERS	LABOR	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00%	0.00	3,200.00
16.00	MC FEEDERS	MATERIAL	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	0.00
17.00	MC BRANCH	LABOR	80,350.00	76,332.50	4,017.50	0.00	80,350.00	100.00%	0.00	5,142.00
18.00	MC BRANCH	MATERIAL	70,000.00	66,500.00	3,500.00	0.00	70,000.00	100.00%	0.00	0.00
19.00	WALL ROUGH IN POWER/TECHNOLOGY	LABOR	50,000.00	47,500.00	2,500.00	0.00	50,000.00	100.00%	0.00	3,200.00
20.00	WALL ROUGH IN POWER/TECHNOLOGY	MATERIAL	20,000.00	19,000.00	1,000.00	0.00	20,000.00	100.00%	0.00	0.00
21.00	CABLE TRAY-	LABOR	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00%	0.00	280.00
22.00	CABLE TRAY	MATERIAL	9,000.00	9,000.00	0.00	0.00	9,000.00	100.00%	0.00	0.00
23.00	SWITCHGEAR/PANELBOARDS INSTALL	LABOR	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00	2,048.00
24.00	SWITCHGEAR/PANELBOARDS INSTALL	MATERIAL	72,000.00	72,000.00	0.00	0.00	72,000.00	100.00%	0.00	0.00
25.00	SWITCHGEAR/PANELBOARDS TERMINATIONS	LABOR	30,000.00	27,000.00	3,000.00	0.00	30,000.00	100.00%	0.00	1,440.00
26.00	SWITCHGEAR/PANELBOARDS TERMINATIONS	MATERIAL	20,000.00	18,000.00	2,000.00	0.00	20,000.00	100.00%	0.00	0.00
27.00	VFD'S	LABOR	5,000.00	3,750.00	750.00	0.00	4,500.00	90.00%	500.00	0.00
28.00	VFD'S	MATERIAL	15,000.00	11,250.00	2,250.00	0.00	13,500.00	90.00%	1,500.00	0.00
29.00	FIRE ALARM ROUGH IN	LABOR	15,000.00	14,250.00	750.00	0.00	15,000.00	100.00%	0.00	960.00
30.00	FIRE ALARM ROUGH IN	MATERIAL	10,000.00	9,500.00	500.00	0.00	10,000.00	100.00%	0.00	0.00
31.00	FIRE ALARM WIRE/DEVICE	LABOR	8,000.00	4,000.00	800.00	0.00	4,800.00	60.00%	3,200.00	223.12
32.00	FIRE ALARM WIRE/DEVICE	MATERIAL	35,000.00	35,000.00	0.00	0.00	35,000.00	100.00%	0.00	0.00
33.00	LIGHT FIXTURES-ROUGH IN	LABOR	25,000.00	23,750.00	1,250.00	0.00	25,000.00	100.00%	0.00	1,500.00
34.00	LIGHT FIXTURES-ROUGH IN	MATERIAL	25,000.00	23,750.00	1,250.00	0.00	25,000.00	100.00%	0.00	0.00
35.00	LIGHT FIXTURES-INSTALL	LABOR	25,000.00	17,500.00	5,000.00	0.00	22,500.00	90.00%	2,500.00	100.00
36.00	LIGHT FIXTURES-INSTALL	MATERIAL	170,000.00	110,500.00	59,500.00	0.00	170,000.00	100.00%	0.00	0.00
37.00	LIGHTING CONTROL	LABOR	25,000.00	10,000.00	12,500.00	0.00	22,500.00	90.00%	2,500.00	1,100.00
38.00	LIGHTING CONTROL	MATERIAL	28,000.00	11,200.00	14,000.00	0.00	25,200.00	90.00%	2,800.00	0.00
39.00	DEVICES	LABOR	5,000.00	1,500.00	2,500.00	0.00	4,000.00	80.00%	1,000.00	0.00
40.00	DEVICES	MATERIAL	8,000.00	2,400.00	5,600.00	0.00	8,000.00	100.00%	0.00	0.00
41.00	UPS	LABOR	7,000.00	4,900.00	1,750.00	0.00	6,650.00	95.00%	350.00	0.00
42.00	UPS	MATERIAL	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00%	0.00	0.00
43.00	TVSS	LABOR	5,000.00	0.00	3,500.00	0.00	3,500.00	70.00%	1,500.00	0.00
44.00	TVSS	MATERIAL	24,000.00	0.00	24,000.00	0.00	24,000.00	100.00%	0.00	0.00
45.00	GENERATOR	LABOR	7,000.00	1,400.00	3,500.00	0.00	4,900.00	70.00%	2,100.00	0.00
46.00	GENERATOR	MATERIAL	40,000.00	4,000.00	36,000.00	0.00	40,000.00	100.00%	0.00	0.00
47.00	LIGHTNING PROTECTION/GROUNDING	LABOR	8,000.00	3,200.00	2,800.00	0.00	6,000.00	75.00%	2,000.00	0.00
48.00	LIGHTNING PROTECTION/GROUNDING	MATERIAL	45,000.00	18,000.00	15,750.00	0.00	33,750.00	75.00%	11,250.00	0.00
49.00	COMMISSIONING/TESTING	LABOR	8,000.00	0.00	0.00	0.00	0.00	0.00%	8,000.00	0.00
50.00	COMMISSIONING/TESTING	MATERIAL	1,000.00	0.00	0.00	0.00	0.00	0.00%	1,000.00	0.00
51.00	Change Order # 1	LABOR	1,167.00	1,167.00	0.00	0.00	1,167.00	100.00%	0.00	0.00
52.00	Change Order # 2	LABOR	1,141.00	1,141.00	0.00	0.00	1,141.00	100.00%	0.00	0.00
53.00	Change Order # 3	LABOR	28,692.00	14,346.00	7,173.00	0.00	21,519.00	75.00%	7,173.00	0.00
54.00	Change Order # 3	MATERIAL	19,938.00	9,969.00	4,984.50	0.00	14,953.50	75.00%	4,984.50	0.00
55.00	Change Order # 4	LABOR	(3,033.00)	(3,033.00)	0.00	0.00	(3,033.00)	100.00%	0.00	0.00
56.00	Change Order # 5	LABOR	(381.00)	(381.00)	0.00	0.00	(381.00)	100.00%	0.00	0.00
57.00	Change Order # 6	MATERIAL	(338.00)	(338.00)	0.00	0.00	(338.00)	100.00%	0.00	0.00
58.00	Change Order # 7	LABOR	1,143.00	1,143.00	0.00	0.00	1,143.00	100.00%	0.00	0.00
59.00	Change Order # 8	LABOR	13,312.00	2,662.40	5,324.80	0.00	7,987.20	60.00%	5,324.80	0.00
60.00	Change Order # 8	MATERIAL	10,891.00	2,178.20	3,267.30	0.00	5,445.50	50.00%	5,445.50	0.00
61.00	Change Order # 9	LABOR	3,076.00	0.00	0.00	0.00	3,076.00	100.00%	0.00	0.00
62.00	Change Order # 10	LABOR	5,382.00	0.00	5,382.00	0.00	5,382.00	100.00%	0.00	0.00

63.00	Change Order # 11	LABOR	(167.00)		(167.00)		(167.00)	100.00%		0.00
	TOTAL		1,382,173.00	1,020,237.10	253,808.10	0.00	1,274,045.20	92.18%	108,127.80	30,353.12

LABOR

SAID AFFIANT FURTHER STATES THAT THE FOLLOWING SHOWS THE NAMES AND ADDRESSES OF EVERY UNPAID LABORER OF ESI, INC FURNISHING LABOR UNDER SAID CONTRACT, GIVING THE AMOUNT, IF ANY, WHICH IS DUE OR TO BECOME DUE, TO THEM, FOR LABOR DONE TO DATE HEREOF.

NAME	ADDRESS	KIND OF MACHINERY, MATERIAL OR FUEL	AMOUNT DUE OR TO BECOME DUE FOR WORK & MATERIALS TO DATE
EVERY LABORER HAS BEEN PAID IN FULL			

NOTE - IF THE FACT IS THAT EVERY LABORER HAS BEEN PAID IN FULL, THEN RECITE "EVERY LABORER HAS BEEN PAID IN FULL." IF NOT, THEN GIVE EACH LABORER'S NAME AND ADDRESS AND THE AMOUNT DUE OR TO BECOME DUE.

AFFIANT FURTHER STATES THAT THERE IS DUE OR TO BECOME DUE TO FOR WORK PERFORMED OR MACHINERY, MATERIAL OR FUEL FURNISHED TO TO DATE, HEREOF UNDER SAID CONTRACTS, THE SUM OF :

ESI, INC
 TURNER CONSTRUCTION
 \$ 190,696.10
 (AMOUNT OF CURRENT APPLICATION DUE)

THAT THE AMOUNTS DUE OR TO BECOME DUE TO SAID SUB-CONTRACTORS, MATERIAL MEN, AND LABORERS, FOR WORK DONE OR MACHINERY, MATERIAL OR FUEL FURNISHED TO THE DATE HEREOF, TO ESI, INC ARE FULLY AND CORRECTLY SET FORTH OPPOSITE THEIR NAMES, RESPECTIVELY, IN THE AFORESAID STATEMENTS, AND FURTHER EVIDENCED BY CERTIFICATES OF EVERY PERSON FURNISHING MACHINERY, MATERIAL OR FUEL, HERETO ATTACHED, AND MADE A PART HEREOF

AFFIANT FURTHER SAYS THAT ESI, INC HAS NOT EMPLOYED OR PURCHASED OR PROCURED MACHINERY, MATERIAL OR FUEL FROM , OR SUB-CONTRACTED WITH ANY PERSON, FIRM OR COOPERATION, OTHER THAN THOSE ABOVE MENTIONED, AND OWES FOR NO LABOR PERFORMED, OR MACHINERY, MATERIAL OR FUEL FURNISHED, UNDER SAID CONTRACTS, OTHER THAN ABOVE SET FORTH.

Thomas E. Schuth
 DATE 6/18/12

SWORN TO ME AND SUBSCRIBED IN MY PRESENCE, AT Butler County, (STATE) OHIO, THIS 18TH DAY OF June, 2012.

James H. Dee
 NOTARY PUBLIC



JAMES H. DEE, JR.
 Notary Public, State of Ohio
 My Commission Expires
 February 2, 2015

AFFIDAVIT OF ORIGINAL OR SUB-CONTRACTOR	BUTLER TECH	OWNER	Turner Construction	HEAD-CONTRACTOR	ESI, Inc	SUB-CONTRACTOR
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APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER: MARIEMONT CITY SCHOOLS PROJECT: MARIEMONT Junior High

APPLICATION No: 9
 PERIOD TO:
 PROJECT NOS:
 CONTRACT DATE:

FROM CONTRACTOR: B&J ELECTRICAL VIA ARCHITECT: S.F.A.

CONTRACT FOR: MARIEMONT Junior High School - ELECTRIC

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Continuation sheet as attached.

- 1. ORIGINAL CONTRACT SUM \$ 738,800
- 2. Net Change by Change Orders \$ 52,201
- 3. CONTRACT SUM TO DATE \$ 791,001
- 4. TOTAL COMPLETED & STORED TO DATE \$ 679,351
- 5. RETAINAGE
 - a. 8-50% of Completed Labor \$ 9,400
 - b. 8% of Stored Material \$ 0
 - Total Retainage \$ 9,400
- 6. TOTAL EARNED LESS RETAINAGE \$ 669,951
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT .. \$ 569,171
- 8. CURRENT PAYMENT DUE \$ 100,780
- 9. BALANCE TO FINISH, INCLUDING RETAINAGE ... \$ 121,050

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	49,178	(-3,196)
Total approved this month:	6,219	0
TOTALS	55,397	(-3,196)
NET CHANGES by Change Order	55,397	(-3,196)

52,201

The contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the Owner have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

B&J ELECTRICAL Co INC
 Contractor

6/14/12
 Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

J.A. [Signature]
 Architect

6/27/2012
 Date

[Signature]
 Construction Manager

7/2/12
 Date

Approved:

Natalie [Signature]
 Owner

7-2-12
 Date

Kathy [Signature]

7/2/12

MARIEMONT JUNIOR HIGH

SCHEDULE OF VALUES WRITE - UP

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
1	MOBILIZATION	30,000	30,000	0	0	30,000	100	0	0
2	SUBMITTALS	15,000	15,000	0	0	15,000	100	0	0
3	SUPERVISION AND SAFETY	25,000	14,000	4,000	0	18,000	72	7,000	0
4	MEETINGS	15,000	8,000	2,000	0	10,000	67	5,000	0
5	CLEAN UP	12,000	8,000	2,000	0	10,000	83	2,000	0
6	ROUGH SLAB - M	20,000	20,000	0	0	20,000	100	0	0
7	ROUGH SLAB - L	20,000	20,000	0	0	20,000	100	0	800
8	ROUGH WALLS - M	20,000	20,000	0	0	20,000	100	0	0
9	ROUGH WALLS - L	20,000	20,000	0	0	20,000	100	0	800
10	LIGHTING - M	100,000	62,000	20,000	0	82,000	82	18,000	0
11	LIGHTING - L	50,000	27,000	15,000	0	42,000	84	8,000	1,680
12	DEVICES - M	15,000	4,000	5,000	0	9,000	60	6,000	0
13	DEVICES - L	10,000	3,000	3,000	0	6,000	60	4,000	240
14	FIRE ALARM - M	20,000	15,000	3,000	0	18,000	90	2,000	0
15	FIRE ALARM - L	20,000	15,000	2,000	0	17,000	85	3,000	680
16	CABLE TRAY - M	10,000	10,000	0	0	10,000	100	0	0
17	CABLE TRAY - L	15,000	14,000	1,000	0	15,000	100	0	600
18	TRANSFORMER PAD - M	2,000	2,000	0	0	2,000	100	0	0
19	TRANSFORMER PAD - L	2,000	2,000	0	0	2,000	100	0	80
20	TEMPORARY ELECTRIC - M	10,000	10,000	0	0	10,000	100	0	0
21	TEMPORARY ELECTRIC - L	10,000	10,000	0	0	10,000	100	0	400

MARLBOROUGH JUNIOR High

SCHEDULE OF VALUES WRITE - UP

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
22	DISTRIBUTION PANELS - M	25,000	22,000	2,000	0	24,000	96	1,000	0
23	DISTRIBUTION PANELS - L	20,000	19,000	1,000	0	20,000	100	0	800
24	SUB PANELS - M	20,000	19,000	500	0	19,500	98	500	0
25	SUB PANELS - L	15,000	14,000	500	0	14,500	97	500	580
26	SITE LIGHTING - M	15,000	6,500	5,000	0	11,500	77	3,500	0
27	SITE LIGHTING - L	15,000	5,500	7,000	0	12,500	83	2,500	500
28	LIGHTNING PROTECTION - M	10,000	5,000	4,000	0	9,000	90	1,000	0
29	LIGHTNING PROTECTION - L	10,000	5,000	3,000	0	8,000	80	2,000	320
30	WIRE - M	35,000	30,000	3,000	0	33,000	94	2,000	0
31	WIRE - L	35,000	30,000	3,000	0	33,000	94	2,000	1,320
32	GROUNDING - M	13,000	10,000	2,000	0	12,000	92	1,000	0
33	GROUNDING - L	9,800	6,000	2,000	0	8,000	82	1,800	320
34	MECHANICAL EQUIPMENT - M	10,000	4,000	3,000	0	7,000	70	3,000	0
35	MECHANICAL EQUIPMENT - L	10,000	4,000	3,000	0	7,000	70	3,000	280
36	ALLOWANCE / CONTINGENCY	15,000	14,958	0	0	14,958	100	42	0
37	ALLOWANCE EA / H.V.A.C.	10,000	9,793	0	0	9,793	98	207	0
38	PUNCHLIST / CLOSEOUT	15,000	0	1,000	0	1,000	7	14,000	0
39	DEMobilIZATION	15,000	0	0	0	0	0	15,000	0
40	CHANGE ORDER # 1	28,400	27,000	1,000	0	28,000	99	400	0
41	CHANGE ORDER # 2	17,000	17,000	0	0	17,000	100	0	0
42	CHANGE ORDER # 3	(-3,196)	(-3,196)	0	0	(-3,196)	100	0	0



B & J Electrical Co.

6316 Wiehe Road, Cincinnati, Ohio 45237
513-351-7100 • FAX 513-351-7101
e-mail: cynthia@bjelectrical.com



INVOICE No. 82539594

SHIP TO

BILL TO:

MARIEMONT CITY SCHOOL DISTRICT
BOARD OF EDUCATION
6743 CHESTNUT STREET
CINCINNATI, OH 45227

MARIEMONT JUNIOR HIGH
3847 SOUTHERN AVE
CINCINNATI, OH 45227

ACCOUNT NO.	PURCHASE ORDER NO.	TERMS	INVOICE DATE	PAGE
MARCIT		Net 30	6/14/12	1

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
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RE: MARIEMONT JUNIOR HIGH

-APPLICATION #9 FOR THE ABOVE SUBJECT PROJECT

ORIGINAL CONTRACT SUM.....	738,800.00
NET CHANGE BY CHANGE ORDERS.....	52,201.00
CONTRACT SUM TO DATE.....	791,001.00
TOTAL COMPLETED & STORED TO DATE.....	679,351.00
RETAINAGE.....	9,400.00
TOTAL EARNED LESS RETAINAGE.....	669,951.00
LESS PREVIOUS CERTIFICATES	
FOR PAYMENT.....	569,171.00
SALES TAX.....	0.00
CURRENT PAYMENT DUE.....	100,780.00
BALANCE TO FINISH, PLUS	
RETAINAGE.....	121,050.00

	SALES AMOUNT	100,780.00
	TOTAL	100,780.00

To(OWNER): MARIEMONT CITY SCHOOL DISTRICT
 BOARD OF EDUCATION
 6743 CHESTNUT STREET
 CINCINNATI, OH 45227
 From: B & J ELECTRICAL CO., INC.
 6316 WIEHE ROAD
 CINCINNATI, OH 45237

Project: MARIEMONT JUNIOR HIGH
 3847 SOUTHERN AVE
 CINCINNATI, OH 45227

Application No: 9
 Invoice No: 82539594
 Period To: 6/14/2012

Via(Architect):

Architect's
 Project No:
 Invoice Date: 6/14/2012
 Contract Date: 9/22/2011

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Approved previous months	49,178.00	3,196.00
Approved this month	6,219.00	0.00
TOTALS	55,397.00	3,196.00
Net change by change orders	52,201.00	

1. ORIGINAL CONTRACT SUM.....	\$ 738,800.00
2. Net change by Change Orders.....	\$ 52,201.00
3. CONTRACT SUM TO DATE(Line 1 +/- 2).....	\$ 791,001.00
4. TOTAL COMPLETED & STORED TO DATE.....	\$ 679,351.00
5. RETAINAGE.....	\$ 9,400.00
6. TOTAL EARNED LESS RETAINAGE.....	\$ 669,951.00
(Line 4 less Line 5)	
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT.....	\$ 569,171.00
(Line 6 from prior Certificate)	
8. SALES TAX.....	\$ 0.00
9. CURRENT PAYMENT DUE.....	\$ 100,780.00
10. BALANCE TO FINISH, PLUS RETAINAGE.....	\$ 121,050.00
(Line 3 less Line 6)	

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/C	BALANCE TO FINISH (C-G)	RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
01	MOBILIZATION	30,000.00	30,000.00	0.00	0.00	30,000.00	100	0.00	0.00
02	SUBMITTALS	15,000.00	15,000.00	0.00	0.00	15,000.00	100	0.00	0.00
03	SUPERVISION AND SAFETY	25,000.00	14,000.00	4,000.00	0.00	18,000.00	72	7,000.00	0.00
04	MEETINGS	15,000.00	8,000.00	2,000.00	0.00	10,000.00	67	5,000.00	0.00
05	CLEAN UP	12,000.00	8,000.00	2,000.00	0.00	10,000.00	83	2,000.00	0.00
06	ROUGH SLAB - MATERIAL	20,000.00	20,000.00	0.00	0.00	20,000.00	100	0.00	0.00
07	ROUGH SLAB - LABOR	20,000.00	20,000.00	0.00	0.00	20,000.00	100	0.00	800.00
08	ROUGH WALLS - MATERIAL	20,000.00	20,000.00	0.00	0.00	20,000.00	100	0.00	0.00
09	ROUGH WALLS - LABOR	20,000.00	20,000.00	0.00	0.00	20,000.00	100	0.00	800.00
10	LIGHTING - MATERIAL	100,000.00	62,000.00	20,000.00	0.00	82,000.00	82	18,000.00	0.00
11	LIGHTING - LABOR	50,000.00	27,000.00	15,000.00	0.00	42,000.00	84	8,000.00	1,680.00
12	DEVICES - MATERIAL	15,000.00	4,000.00	5,000.00	0.00	9,000.00	60	6,000.00	0.00
13	DEVICES - LABOR	10,000.00	3,000.00	3,000.00	0.00	6,000.00	60	4,000.00	240.00
14	FIRE ALARM - MATERIAL	20,000.00	15,000.00	3,000.00	0.00	18,000.00	90	2,000.00	0.00
15	FIRE ALARM - LABOR	20,000.00	15,000.00	2,000.00	0.00	17,000.00	85	3,000.00	680.00
16	CABLE TRAY - MATERIAL	10,000.00	10,000.00	0.00	0.00	10,000.00	100	0.00	0.00
17	CABLE TRAY - LABOR	15,000.00	14,000.00	1,000.00	0.00	15,000.00	100	0.00	600.00
18	TRANSFORMER PAD - MATERIAL	2,000.00	2,000.00	0.00	0.00	2,000.00	100	0.00	0.00
19	TRANSFORMER PAD - LABOR	2,000.00	2,000.00	0.00	0.00	2,000.00	100	0.00	80.00
20	TEMPORARY ELECTRIC - MATERIAL	10,000.00	10,000.00	0.00	0.00	10,000.00	100	0.00	0.00
21	TEMPORARY ELECTRIC - LABOR	10,000.00	10,000.00	0.00	0.00	10,000.00	100	0.00	400.00
22	DISTRIBUTION PANELS - MATERIAL	25,000.00	22,000.00	2,000.00	0.00	24,000.00	96	1,000.00	0.00
23	DISTRIBUTION PANELS - LABOR	20,000.00	19,000.00	1,000.00	0.00	20,000.00	100	0.00	800.00
24	SUB PANELS - MATERIAL	20,000.00	19,000.00	500.00	0.00	19,500.00	98	500.00	0.00
25	SUB PANELS - LABOR	15,000.00	14,000.00	500.00	0.00	14,500.00	97	500.00	580.00
26	SITE LIGHTING - MATERIAL	15,000.00	6,500.00	5,000.00	0.00	11,500.00	77	3,500.00	0.00
27	SITE LIGHTING - LABOR	15,000.00	5,500.00	7,000.00	0.00	12,500.00	83	2,500.00	500.00
28	LIGHTING PROTECTION - MATERIAL	10,000.00	5,000.00	4,000.00	0.00	9,000.00	90	1,000.00	0.00
29	LIGHTING PROTECTION - LABOR	10,000.00	5,000.00	3,000.00	0.00	8,000.00	80	2,000.00	320.00
30	WIRE - MATERIAL	35,000.00	30,000.00	3,000.00	0.00	33,000.00	94	2,000.00	0.00
31	WIRE - LABOR	35,000.00	30,000.00	3,000.00	0.00	33,000.00	94	2,000.00	1,320.00
32	GROUNDING - MATERIAL	13,000.00	10,000.00	2,000.00	0.00	12,000.00	92	1,000.00	0.00
33	GROUNDING - LABOR	9,800.00	6,000.00	2,000.00	0.00	8,000.00	82	1,800.00	320.00

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (Not in D or E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/ C	H BALANCE TO FINISH (C-G)	I RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
34	MECHANICAL EQUIPMENT - MAT	10,000.00	4,000.00	3,000.00	0.00	7,000.00	70	3,000.00	0.00
35	MECHANICAL EQUIPMENT - LABOR	10,000.00	4,000.00	3,000.00	0.00	7,000.00	70	3,000.00	280.00
36	ALLOWANCE/CONTINGENCY	15,000.00	14,958.00	0.00	0.00	14,958.00	100	42.00	0.00
37	ALLOWANCE - FA/HVAC	10,000.00	9,793.00	0.00	0.00	9,793.00	98	207.00	0.00
38	PUNCHLIST/CLOSEOUT	15,000.00	0.00	1,000.00	0.00	1,000.00	7	14,000.00	0.00
39	DEMobilIZATION	15,000.00	0.00	0.00	0.00	0.00	0	15,000.00	0.00
40	C.O. #1	28,400.00	27,000.00	1,000.00	0.00	28,000.00	99	400.00	0.00
41	C.O. #2	17,000.00	17,000.00	0.00	0.00	17,000.00	100	0.00	0.00
42	C.O. #3	-3,196.00	-3,196.00	0.00	0.00	-3,196.00	100	0.00	0.00
43	C.O. #4	296.00	296.00	0.00	0.00	296.00	100	0.00	0.00
44	C.O. #5	355.00	100.00	100.00	0.00	200.00	56	155.00	0.00
45	C.O. #6	3,127.00	2,000.00	500.00	0.00	2,500.00	80	627.00	0.00
46	C.O. #7	1,733.00	0.00	500.00	0.00	500.00	29	1,233.00	0.00
47	C.O. #8	609.00	0.00	300.00	0.00	300.00	49	309.00	0.00
48	C.O. #9	2,900.00	0.00	2,500.00	0.00	2,500.00	86	400.00	0.00
49	C.O. #10	977.00	0.00	500.00	0.00	500.00	51	477.00	0.00
	Totals	791,001.00	576,951.00	102,400.00	0.00	679,351.00	86	111,650.00	9,400.00

APPLICATION AND CERTIFICATE FOR PAYMENT

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: B & J ELECTRICAL CO., INC.

By: [Signature] Date: 6/14/2012

State of OHIO
County of HAMILTON

Subscribed and sworn to before me this 14 day of June, 2012

Notary Public: [Signature]

My Commission Expires: 2/10/16



Blaire Kabbes
Notary Public, State of Ohio
My Commission Expires 02-10-2016

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the date comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....\$

(Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT:

By: _____ Date _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AFFIDAVIT OF ORIGINAL OR SUB-CONTRACTOR, No. 44
(R.C. 1311.04, Eff 4-10-85)

State of Ohio,

County of Hamilton ss Cincinnati, Ohio JUNE 14th, 2012

CYNTHIA STORK, being first duly sworn, says that she is CONTROLLER of

B&J Electrical Co., Inc. the [Sub Original] contractor having a contract with

MARIEMONT CITY SCHOOL DISTRICT the Original Contractor for Electrical Work at

MARIEMONT JUNIOR HIGH situated on or around or in front of the following described property, in

Hamilton County, Ohio, via: 3847 SOUTHERN AVE. CINCINNATI, OH 45227

whereof MARIEMONT CITY SCHOOL DISTRICT was the owner, part owner or lessee.

SUB-CONTRACTORS

Affiant further says that the following shows the names and addresses of every sub-contractor in the employ of said B&J Electrical Co., Inc. giving the amount, if any, which is due, or to become due, to them, or any of them, for work done, or machinery, material or fuel furnished to date hereof, under said contracts.

NOTE-This statement must be accompanied by a similar sworn statement signed by each of the sub-contractors listed below.

NAME	ADDRESS	TRADE	Amount due or to become due for Work and Materials to Date Hereof.
NONE			

MATERIAL MEN

Said affiant further says that the following shows the names and addresses of every person furnishing machinery, or fuel to B & J Electrical Co., Inc. giving the amount, if any, which is due, or to become due, to them, or any of them, for machinery, material or fuel furnished to date hereof, under said contracts.

NAME	ADDRESS	kind of Machinery, Material or Fuel	Amount due or to become due for Material Furnished to Date Hereof.
ALL MATERIALS OUT OF STOCK AND PAID IN FULL			

NOTE - The above must be accompanied by "Certificate of Materialman." In lieu of such certificate, there may be furnished a written release or receipt.

LABOR

Said affiant further says that the following shows the names and addresses of every unpaid laborer in the employ of B&J Electrical Co., Inc. furnishing labor under said contract, giving the amount, if any, which is due, or to become due, for labor done to date hereof.

NOTE - If the fact is that every laborer has been paid in full, then recite:
"Every laborer has been paid in full."

If not, then give each unpaid laborer's name and address and the amount due or to become due

NAME	ADDRESS	HOURS	Amount Due or to Become Due for Labor Furnished to Date Hereof.
EVERY LABORER HAS BEEN PAID IN FULL			

Affiant further states that there is due or to become due to B&J Electrical Co., Inc. for work performed or machinery, material or fuel furnished to MARIEMONT CITY SCHOOL DISTRICT to date (Owner or Contractor)

hereof under said contracts, the sum of \$ 100,780.00 .

That the amounts due or to become due to said sub-contractors, material-men and laborers, for work done or machinery, material or fuel furnished to the date hereof, to B & J Electrical Co., Inc. are fully and correctly set forth opposite their names, respectively, in the aforesaid statements, and further evidenced by certificates of every person furnishing machinery, material or fuel, hereto attached, and made a part hereof.

Affiant further says that B & J Electrical Co., Inc. has not employed or procured machinery, material or fuel from, or sub-contracted with any person, firm or corporation, other than those above mentioned, and owes for no labor performed, or machinery, material or fuel furnished, under said contracts, other than above set forth.

SWORN TO BEFORE ME AND SUBSCRIBED IN MY PRESENCE, at Cincinnati - Hamilton, County Ohio, this 14th day of _____, 2012



Blair Kapbes
Notary Public, State of Ohio
My Commission Expires 02-10-2016

1. Sec'y., Treas., one of firm, or agent, as case may be.
2. Name and address.
3. "Owner," "part-owner," "lessee," or "authorized agent" or "owner or lessee," of "original" or "principal contractor under contract" for the construction, reconstruction, or repair of a boat, vessel or other watercraft," or "erecting, altering, repairing or removing a house, mill, manufactory, or any furnace or furnace material therein, or other building appurtenance, fixture, bridge or other structure," or "digging," drilling, boring, operating, completing and repairing of any gas well, oil well or other well," or "altering, repairing or constructing any oil derrick, oil tank, oil or gas pipe line," or "furnishing tile for the drainage of any lot or land."
5. Accurate description of property.
6. Contractor or sub contractor executing affidavit.

AFFIDAVIT _____
 OF _____
 ORIGINAL OR SUB-CONTRACTOR _____
 OWNER _____
 HEAD-CONTRACTOR _____
 SUB-CONTRACTOR _____
 DATE _____

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER: MARIEMONT CITY SCHOOLS

PROJECT: TERACE PARK ELEMENTARY

APPLICATION No: 9

PERIOD TO:

PROJECT NOS:

CONTRACT DATE:

FROM CONTRACTOR: BEJ ELECTRICAL CO. VIA ARCHITECT: S.F.A.

CONTRACT FOR: TERACE PARK ELEMENTARY SCHOOL - ELECTRIC

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Continuation sheet as attached.

- 1. ORIGINAL CONTRACT SUM \$ 888,888 ✓
- 2. Net Change by Change Orders \$ 40,031 ✓
- 3. CONTRACT SUM TO DATE \$ 928,919 ✓
- 4. TOTAL COMPLETED & STORED TO DATE \$ 767,205 ✓
- 5. RETAINAGE
 - a. 8-50% of Completed Labor \$ 11,772 ✓
 - b. 8% of Stored Material \$ 0
 - Total Retainage \$ 11,772 -
- 6. TOTAL EARNED LESS RETAINAGE \$ 755,433 ✓
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT .. \$ 655,622 ✓
- 8. CURRENT PAYMENT DUE \$ 99,811 ✓
- 9. BALANCE TO FINISH, INCLUDING RETAINAGE ... \$ 173,486 ✓

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	36,335	(-2896)
Total approved this month	6,592	0
TOTALS	42,927	(-2896)
NET CHANGES by Change Order	42,927	(-2,896)

40,031

The contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the Owner have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

BEJ ELECTRICAL CO, INC
Contractor

6/14/12
Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

[Signature]
Architect

7/11/12
Date

[Signature]
Construction Manager

7/10/12
Date

Approved: \$99,811

Owner

Date

W&J ELECTRICAL CO. INC.

TERRACE PARK ELEMENTARY

SCHEDULE OF VALUES WRITE - UP

9

ITEM NO	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
1	MOBILIZATION	20,000	20,000	0	0	20,000	100	0	0
2	SUBMITTALS	15,000	15,000	0	0	15,000	100	0	0
3	SUPERVISION / SAFETY	10,000	6,500	2,000	0	8,500	85	1,500	0
4	MEETINGS	5,000	4,000	500	0	4,500	90	500	0
5	CLEAN UP	15,000	8,500	2,000	0	10,500	70	4,500	0
6	CONDUIT - M	90,000	85,000	3,000	0	88,000	98	2,000	0
7	" - L	144,688	132,000	5,000	0	137,000	95	7,688	5,480
8	WIRE - M	60,000	56,000	3,000	0	59,000	98	1,000	0
9	" - L	68,000	62,000	4,000	0	66,000	97	2,000	2,640
10	Lighting - M	150,000	42,000	25,000	0	67,000	45	83,000	0
11	" - L	38,000	19,000	10,000	0	29,000	76	9,000	1,160
12	DEVICE - M	12,000	4,000	5,000	0	9,000	75	3,000	0
13	" - L	12,800	4,500	3,000	0	7,500	59	5,300	300
14	FIRE ALARM - M	20,000	12,500	5,000	0	17,500	88	2,500	0
15	" " - L	28,000	11,500	5,000	0	16,500	59	11,500	660
16	CABLE TRAY - M	4,000	4,000	0	0	4,000	100	0	0
17	" " - L	7,000	7,000	0	0	7,000	100	0	280
18	GEAR - M	70,000	65,000	5,000	0	70,000	100	0	0
19	" - L	12,000	11,500	500	0	12,000	100	0	480
20	HOO K UP - M	4,800	1,500	2,000	0	3,500	73	1,300	0
21	" " - L	5,200	2,000	1,000	0	3,000	58	2,200	120

SCHEDULE OF VALUES WRITE - UP

ITEM NO	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
22	JUNCTION BOXES - M	2,000	2,000	0	0	2,000	100	0	0
23	" " - L	4,800	4,000	800	0	4,800	100	0	192
24	MISCELLANEOUS - M	2,000	1,000	500	0	1,500	75	500	0
25	" " - L	2,000	1,000	500	0	1,500	75	500	60
26	SITE WORK - M	20,000	13,000	5,000	0	18,000	90	2,000	0
27	" " - L	9,600	8,000	1,000	0	9,000	94	600	360
28	AREA OF RESCUE - M	5,000	2,500	1,000	0	3,500	70	1,500	0
29	" " " - L	2,000	500	500	0	1,000	50	1,000	40
30	PUNCH LIST	5,000	0	0	0	0	0	5,000	0
31	DEMobilIZATION	5,000	0	0	0	0	0	5,000	0
32	ALLOWANCE 1	10,000	7,522	0	0	7,522	75	2,478	0
33	ALLOWANCE 2	15,000	14,516	0	0	14,516	97	484	0
34	ALLOWANCE 3	15,000	11,000	3,323	0	14,323	95	677	0
35	CO #1 - KITCHEN FIT	9,500	8,500	500	0	9,000	95	500	0
36	CO #2 -	20,900	19,000	1,000	0	20,000	96	900	0
37	CO #3	(-2896)	(-2896)	0	0	(-2896)	100	0	0
38	CO #4	1,958	1,000	958	0	1,958	100	0	0
39	CO #5	3,977	2,000	1,000	0	3,000	75	977	0
40	CO #6	4,982	0	2,982	0	2,982	60	2,000	0
41	CO #7	815	0	500	0	500	61	315	0
42	CO #8	795	0	500	0	500	63	295	0



B & J Electrical Co.

6316 Wiehe Road, Cincinnati, Ohio 45237
513-351-7100 • FAX 513-351-7101
e-mail: cynthia@bjelectrical.com



INVOICE No. 8253959E

SHIP TO

BILL TO:
MARIEMONT CITY SCHOOL DISTRICT
BOARD OF EDUCATION
6743 CHESTNUT STREET
CINCINNATI, OH 45227

TERRACE PARK ELEMENTARY
723 ELM AVENUE
TERRACE PARK, OH 45174

ACCOUNT NO.	PURCHASE ORDER NO.	TERMS	INVOICE DATE	PAGE
MARCIT		Net 30	6/14/12	1

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
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RE: TERRACE PARK ELEMENTARY

-APPLICATION #9 FOR THE ABOVE SUBJECT PROJECT

ORIGINAL CONTRACT SUM.....	888,888.00
NET CHANGE BY CHANGE ORDERS.....	40,031.00
CONTRACT SUM TO DATE.....	928,919.00
TOTAL COMPLETED & STORED TO DATE.....	767,205.00
RETAINAGE.....	11,772.00
TOTAL EARNED LESS RETAINAGE.....	755,433.00
LESS PREVIOUS CERTIFICATES	
FOR PAYMENT.....	655,622.00
SALES TAX.....	0.00
CURRENT PAYMENT DUE.....	99,811.00
BALANCE TO FINISH, PLUS	
RETAINAGE.....	173,486.00

	SALES AMOUNT	99,811.00
	TOTAL	99,811.00

OWNER: MARIEMONT CITY SCHOOL DISTRICT
 BOARD OF EDUCATION
 6743 CHESTNUT STREET
 CINCINNATI, OH 45227
 From: B & J ELECTRICAL CO., INC.
 6316 WIEHE ROAD
 CINCINNATI, OH 45237

Project: TERRACE PARK ELEMENTARY
 723 ELM AVENUE
 TERRACE PARK, OH 45174

Application No: 9
 Invoice No: 82539595
 Period To: 6/14/2012

Via(Architect):

Architect's
 Project No:
 Invoice Date: 6/14/2012
 Contract Date: 9/22/2011

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Approved previous months	36,335.00	2,896.00
Approved this month	6,592.00	0.00
TOTALS	42,927.00	2,896.00
Net change by change orders	40,031.00	

1. ORIGINAL CONTRACT SUM.....	\$ 888,888.00
2. Net change by Change Orders.....	\$ 40,031.00
3. CONTRACT SUM TO DATE(Line 1 +/- 2).....	\$ 928,919.00
4. TOTAL COMPLETED & STORED TO DATE.....	\$ 767,205.00
5. RETAINAGE.....	\$ 11,772.00
6. TOTAL EARNED LESS RETAINAGE.....	\$ 755,433.00
(Line 4 less Line 5)	
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT.....	\$ 655,622.00
(Line 6 from prior Certificate)	
8. SALES TAX.....	\$ 0.00
9. CURRENT PAYMENT DUE.....	\$ 99,811.00
10. BALANCE TO FINISH, PLUS RETAINAGE.....	\$ 173,486.00
(Line 3 less Line 6)	

EM IO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not In D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/C	BALANCE TO FINISH (C-G)	RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
	MOBILIZATION	20,000.00	20,000.00	0.00	0.00	20,000.00	100	0.00	0.00
	SUBMITTALS	15,000.00	15,000.00	0.00	0.00	15,000.00	100	0.00	0.00
	SUPERVISION/SAFETY	10,000.00	6,500.00	2,000.00	0.00	8,500.00	85	1,500.00	0.00
	MEETINGS	5,000.00	4,000.00	500.00	0.00	4,500.00	90	500.00	0.00
	CLEAN UP	15,000.00	8,500.00	2,000.00	0.00	10,500.00	70	4,500.00	0.00
	CONDUIT - MATERIAL	90,000.00	85,000.00	3,000.00	0.00	88,000.00	98	2,000.00	0.00
	CONDUIT - LABOR	144,688.00	132,000.00	5,000.00	0.00	137,000.00	95	7,688.00	5,480.00
	WIRE - MATERIAL	60,000.00	56,000.00	3,000.00	0.00	59,000.00	98	1,000.00	0.00
	WIRE - LABOR	68,000.00	62,000.00	4,000.00	0.00	66,000.00	97	2,000.00	2,640.00
	LIGHTING - MATERIAL	150,000.00	42,000.00	25,000.00	0.00	67,000.00	45	83,000.00	0.00
	LIGHTING - LABOR	38,000.00	19,000.00	10,000.00	0.00	29,000.00	76	9,000.00	1,160.00
	DEVICE - MATERIAL	12,000.00	4,000.00	5,000.00	0.00	9,000.00	75	3,000.00	0.00
	DEVICE - LABOR	12,800.00	4,500.00	3,000.00	0.00	7,500.00	59	5,300.00	300.00
	FIRE ALARM - MATERIAL	20,000.00	12,500.00	5,000.00	0.00	17,500.00	88	2,500.00	0.00
	FIRE ALARM - LABOR	28,000.00	11,500.00	5,000.00	0.00	16,500.00	59	11,500.00	660.00
	CABLE TRAY - MATERIAL	4,000.00	4,000.00	0.00	0.00	4,000.00	100	0.00	0.00
	CABLE TRAY - LABOR	7,000.00	7,000.00	0.00	0.00	7,000.00	100	0.00	280.00
	GEAR - MATERIAL	70,000.00	65,000.00	5,000.00	0.00	70,000.00	100	0.00	0.00
	GEAR - LABOR	12,000.00	11,500.00	500.00	0.00	12,000.00	100	0.00	480.00
	HOOK UP - MATERIAL	4,800.00	1,500.00	2,000.00	0.00	3,500.00	73	1,300.00	0.00
	HOOK UP - LABOR	5,200.00	2,000.00	1,000.00	0.00	3,000.00	58	2,200.00	120.00
	JUNCTION BOXES - MATERIAL	2,000.00	2,000.00	0.00	0.00	2,000.00	100	0.00	0.00
	JUNCTION BOXES - LABOR	4,800.00	4,000.00	800.00	0.00	4,800.00	100	0.00	192.00
	MISCELLANEOUS - MATERIAL	2,000.00	1,000.00	500.00	0.00	1,500.00	75	500.00	0.00
	MISCELLANEOUS - LABOR	2,000.00	1,000.00	500.00	0.00	1,500.00	75	500.00	60.00
	SITE WORK - MATERIAL	20,000.00	13,000.00	5,000.00	0.00	18,000.00	90	2,000.00	0.00
	SITE WORK - LABOR	9,600.00	8,000.00	1,000.00	0.00	9,000.00	94	600.00	360.00
	AREA OF RESCUE - MATERIAL	5,000.00	2,500.00	1,000.00	0.00	3,500.00	70	1,500.00	0.00
	AREA OF RESCUE - LABOR	2,000.00	500.00	500.00	0.00	1,000.00	50	1,000.00	40.00
	PUNCHLIST	5,000.00	0.00	0.00	0.00	0.00	0	5,000.00	0.00
	DEMobilization	5,000.00	0.00	0.00	0.00	0.00	0	5,000.00	0.00
	ALLOWANCE 1	10,000.00	7,522.00	0.00	0.00	7,522.00	75	2,478.00	0.00
	ALLOWANCE 2	15,000.00	14,516.00	0.00	0.00	14,516.00	97	484.00	0.00
	ALLOWANCE 3	15,000.00	11,000.00	3,323.00	0.00	14,323.00	95	677.00	0.00
	C.O. #1 - KITCHEN FIT	9,500.00	8,500.00	500.00	0.00	9,000.00	95	500.00	0.00
	C.O. #2	20,900.00	19,000.00	1,000.00	0.00	20,000.00	96	900.00	0.00
	C.O. #3	-2,896.00	-2,896.00	0.00	0.00	-2,896.00	100	0.00	0.00
	C.O. #4	1,958.00	1,000.00	958.00	0.00	1,958.00	100	0.00	0.00
	C.O. #5	3,977.00	2,000.00	1,000.00	0.00	3,000.00	75	977.00	0.00

ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/C	BALANCE TO FINISH (C-G)	RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
1	C.O. #6	4,982.00	0.00	2,982.00	0.00	2,982.00	60	2,000.00	0.00
	C.O. #7	815.00	0.00	500.00	0.00	500.00	61	315.00	0.00
!	C.O. #8	795.00	0.00	500.00	0.00	500.00	63	295.00	0.00
	Totals	928,919.00	666,142.00	101,063.00	0.00	767,205.00	83	161,714.00	11,772.00

APPLICATION AND CERTIFICATE FOR PAYMENT

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTACTOR: B & J ELECTRICAL CO., INC.

By: [Signature] Date: 6/14/2012

State of OHIO
County of HAMILTON

Subscribed and sworn to before me this 14 day of June, 2012

Notary Public: [Signature]

My Commission Expires: 2/10/12



Blaire Kabbes
Notary Public, State of Ohio
My Commission Expires 02-10-2016

ARCHITECT'S CERTIFICATE FOR PAYMENT
In accordance with the Contract Documents, based on on-site observations and the date comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....\$
(Attach explanation if amount certified differs from the amount applied for.)
ARCHITECT:

By: _____ Date _____
This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AFFIDAVIT OF ORIGINAL OR SUB-CONTRACTOR, No. 44
(R.C. 1311.04, Eff 4-10-85)

State of Ohio,

County of Hamilton ss Cincinnati, Ohio JUNE 14th, 2012

CYNTHIA STORK, being first duly sworn, says that she is CONTROLLER of

B&J Electrical Co., Inc. the [Sub Original] contractor having a contract with

MARIEMONT CITY SCHOOL DISTRICT the Original Contractor for Electrical Work at

TERRACE PARK ELEMENTARY situated on or around or in front of the following described property, in

Hamilton County, Ohio, via: 723 ELM AVENUE TERRACE PARK, OH 45174

whereof MARIEMONT CITY SCHOOL DISTRICT was the owner, part owner or lessee.

SUB-CONTRACTORS

Affiant further says that the following shows the names and addresses of every sub-contractor in the employ of said B&J Electrical Co., Inc. giving the amount, if any, which is due, or to become due, to them, or any of them, for work done, or machinery, material or fuel furnished to date hereof, under said contracts.

NOTE-This statement must be accompanied by a similar sworn statement signed by each of the sub-contractors listed below.

NAME	ADDRESS	TRADE	Amount due or to become due for Work and Materials to Date Hereof.
NONE			

MATERIAL MEN

Said affiant further says that the following shows the names and addresses of every person furnishing machinery, or fuel to B & J Electrical Co., Inc. giving the amount, if any, which is due, or to become due, to them, or any of them, for machinery, material or fuel furnished to date hereof, under said contracts.

NAME	ADDRESS	Kind of Machinery, Material or Fuel	Amount due or to become due for Material Furnished to Date Hereof.
ALL MATERIALS OUT OF STOCK AND PAID IN FULL			

NOTE - The above must be accompanied by "Certificate of Materialman." In lieu of such certificate, there may be furnished a written release or receipt.

LABOR

Said affiant further says that the following shows the names and addresses of every unpaid laborer in the employ of B&J Electrical Co., Inc. furnishing labor under said contract, giving the amount, if any, which is due, or to become due, for labor done to date hereof.

NOTE - If the fact is that every laborer has been paid in full, then recite:
"Every laborer has been paid in full."

If not, then give each unpaid laborer's name and address and the amount due or to become due

NAME	ADDRESS	HOURS	Amount Due or to Become Due for Labor Furnished to Date Hereof.	
EVERY LABORER HAS BEEN PAID IN FULL				

Affiant further states that there is due or to become due to B&J Electrical Co., Inc. for work performed or machinery, material or fuel furnished to MARIEMONT CITY SCHOOL DISTRICT to date (Owner or Contractor)

hereof under said contracts, the sum of \$ 99,811.00.

That the amounts due or to become due to said sub-contractors, material-men and laborers, for work done or machinery, material or fuel furnished to the date hereof, to B & J Electrical Co., Inc. are fully and correctly set forth opposite their names, respectively, in the aforesaid statements, and further evidenced by certificates of every person furnishing machinery, material or fuel, hereto attached, and made a part hereof.

Affiant further says that B & J Electrical Co., Inc. has not employed or purchased or procured machinery, material or fuel from, or sub-contracted with any person, firm or corporation, other than those above mentioned, and owes for no labor performed, or machinery, material or fuel furnished, under said contracts, other than above set forth.

SWORN TO BEFORE ME AND SUBSCRIBED IN MY PRESENCE, at Cincinnati - Hamilton County Ohio, this 14th day of JUNE, 2012.



[Signature]
NOTARY Blaine Kabbes

1. Sec'y., Treas., one of firm, or agent, as case may be.
2. Name and address.
3. "Owner," "part-owner," "lessee," or "authorized agent of the owner, part-owner or lessee," or "original" or "principal contractor under a contract with _____ the owner, part-owner or lessee," as the case may be.

4. "Contractor," or "erecting, altering, repairing or removing a house, mill, manufactory, or other building appurtenance, fixture, bridge or other structure," or "digging," drilling, boring, operating, completing and repairing of any gas well, oil well or other well," or "altering, repairing or constructing any oil derrick, oil tank, oil or gas pipe line," or "furnishing tile for the drainage of any lot or land"
5. Accurate description of property
6. Contractor or sub contractor executing affidavit

AFFIDAVIT	OF	ORIGINAL OR SUB-CONTRACTOR	OWNER	HEAD-CONTRACTOR	SUB-CONTRACTOR	DATE
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MARIEMONT CITY SCHOOLS
 6743 CHESTNUT DRIVE
 MARIEMONT, OH 45227

Contractor's Name:

ESI, INC

Address:

4696 DEVITT DRIVE

Contractor Pay Application Summary

CINCINNATI, OH 45246

MARIEMONT ELEMENTARY

ELECTRICAL

Project Name: MARIEMONT ELEMENTARY

Bid Package No.

BID PKG. # 19.1

1	Original Contract Amount	\$	1,301,350.00
2	Net Changes to Date	\$	82,282.00
3	Current Contract Amount	\$	1,383,632.00
4	Labor Completed to Date	\$	615,424.40
5	Material Completed to Date	\$	740,642.00
6	Total Work Completed to Date	\$	1,356,066.40
7	Store Material to Date	\$	-
8	Less Retained to Date	\$	30,353.12
9	Total Amount Due	\$	1,325,713.28
10	Less Previous Payments	\$	1,243,692.08
11	Less Amount Retained to Cover Lien	\$	
12	Less Amount Retained for Liquidated Damages	\$	
13	Less Other Amounts Withheld	\$	
14	Current Due	\$	82,021.20
15	Balance to Complete	\$	57,918.72

(This section must be completed)

EDGE Subcontractor/Supplier Payment (per section 9.2.1 of General Conditions)

EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>TORMAXX COMPANY</u>	<u>6,320.21</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>B & S ELECTRIC SUPPLY</u>	<u>830.57</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u>-</u>	<u>-</u>	<u>-</u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u> </u>	<u> </u>	<u> </u>
EDGE subcontractor/supplier	Payment to Date	Remaining Payment
<u> </u>	<u> </u>	<u> </u>

OSFC approval required for the following contract adjustments:

1. Assessment of liquidated damages
2. Other amounts withheld

Ohio School Facilities Commission _____ Date _____

Comments:

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:
 MARIEMONT CITY SCHOOL DISTRICT
 6743 CHESTNUT DRIVE
 MARIEMONT, OH 45227

PROJECT:
 MARIEMONT ELEMENTARY SCHOOL
 6750 WOOSTER PIKE
 CINCINNATI, OH 45227

APPLICATION NO: 9
PERIOD TO: 7/31/2012
PURCHASE ORDER NO.:
CONTRACT DATE: 9/9/2011

FROM CONTRACTOR:
 ESI, INC
 4696 DEVITT DRIVE
 Cincinnati, Ohio 45246

VIA ARCHITECT:

CONTRACT FOR: Electrical

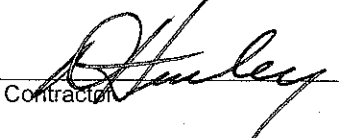
CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Continuation sheet is attached.

1 ORIGINAL CONTRACT SUM	\$1,301,350.00
2 Net Change by Change Orders	\$82,282.00
3 CONTRACT SUM TO DATE	\$1,383,632.00
4 TOTAL COMPLETED & STORED TO DATE	\$1,356,066.40
5 RETAINAGE	
a. 8-50% of Completed Labor	\$30,353.12
b. 8% of Stored Material	\$0.00
Total Retainage	\$30,353.12
6 TOTAL EARNED LESS RETAINAGE	\$1,325,713.28
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT	\$1,243,692.08
8 CURRENT PAYMENT DUE	\$82,021.20
9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$57,918.72

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	\$86,201.00	-\$3,919.00
Total approved this month	\$0.00	\$0.00
TOTALS	\$86,201.00	-\$3,919.00
NET CHANGES by Change Order		\$82,282.00

The Contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the State have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

Contractor  Date 07/30/12

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

Architect _____ Date _____

Construction Manager _____ Date _____

Approved:

School District _____ Date _____

ITEM NUMBER	DESCRIPTION OF WORK		SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED	TOTAL COMPLETED & STORED TO DATE	%	BALANCE TO FINISH	RETAINAGE
				PREVIOUS APPS.	THIS PERIOD					
1.00	Bond & Insurance	LABOR	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00%	0.00	480.00
2.00	General Conditions	LABOR	80,000.00	68,000.00	8,000.00	0.00	76,000.00	95.00%	4,000.00	6,080.00
3.00	Mobilization/Demobilization	LABOR	20,000.00	10,000.00	5,000.00	0.00	15,000.00	75.00%	5,000.00	1,200.00
4.00	Coordination	LABOR	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00%	0.00	560.00
5.00	Field Supervision	LABOR	40,000.00	34,000.00	4,000.00	0.00	38,000.00	95.00%	2,000.00	1,920.00
6.00	Project Management	LABOR	10,000.00	8,500.00	1,000.00	0.00	9,500.00	95.00%	500.00	480.00
7.00	Clean Up	LABOR	9,000.00	7,650.00	900.00	0.00	8,550.00	95.00%	450.00	432.00
8.00	Safety	LABOR	5,000.00	4,250.00	750.00	0.00	5,000.00	100.00%	0.00	240.00
9.00	Close Out	LABOR	7,000.00	700.00	0.00	0.00	700.00	10.00%	6,300.00	56.00
10.00	Punch List	LABOR	4,000.00	400.00	3,200.00	0.00	3,600.00	90.00%	400.00	288.00
11.00	Temporary Electric	LABOR	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00%	0.00	480.00
12.00	Temporary Electric	MATERIAL	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00%	0.00	0.00
13.00	SITE UNDERGROUND CONDUIT/WIRE	LABOR	15,000.00	13,500.00	0.00	0.00	13,500.00	90.00%	1,500.00	240.00
14.00	SITE UNDERGROUND CONDUIT/WIRE	MATERIAL	20,000.00	18,000.00	0.00	0.00	18,000.00	90.00%	2,000.00	0.00
15.00	MC FEEDERS	LABOR	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00%	0.00	3,200.00
16.00	MC FEEDERS	MATERIAL	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	0.00
17.00	MC BRANCH	LABOR	80,350.00	80,350.00	0.00	0.00	80,350.00	100.00%	0.00	5,142.00
18.00	MC BRANCH	MATERIAL	70,000.00	70,000.00	0.00	0.00	70,000.00	100.00%	0.00	0.00
19.00	WALL ROUGH IN POWER/TECHNOLOGY	LABOR	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00%	0.00	1,904.00
20.00	WALL ROUGH IN POWER/TECHNOLOGY	MATERIAL	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00%	0.00	0.00
21.00	CABLE TRAY-	LABOR	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00%	0.00	280.00
22.00	CABLE TRAY	MATERIAL	9,000.00	9,000.00	0.00	0.00	9,000.00	100.00%	0.00	0.00
23.00	SWITCHEGEAR/PANELBOARDS INSTALL	LABOR	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00	2,048.00
24.00	SWITCHEGEAR/PANELBOARDS INSTALL	MATERIAL	72,000.00	72,000.00	0.00	0.00	72,000.00	100.00%	0.00	0.00
25.00	SWITCHEGEAR/PANELBOARDS TERMINATIONS	LABOR	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	1,440.00
26.00	SWITCHEGEAR/PANELBOARDS TERMINATIONS	MATERIAL	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00%	0.00	0.00
27.00	VFD'S	LABOR	5,000.00	4,500.00	500.00	0.00	5,000.00	100.00%	0.00	0.00
28.00	VFD'S	MATERIAL	15,000.00	13,500.00	1,500.00	0.00	15,000.00	100.00%	0.00	0.00
29.00	FIRE ALARM ROUGH IN	LABOR	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00%	0.00	960.00
30.00	FIRE ALARM ROUGH IN	MATERIAL	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00%	0.00	0.00
31.00	FIRE ALARM WIRE/DEVICE	LABOR	8,000.00	4,800.00	3,200.00	0.00	8,000.00	100.00%	0.00	223.12
32.00	FIRE ALARM WIRE/DEVICE	MATERIAL	35,000.00	35,000.00	0.00	0.00	35,000.00	100.00%	0.00	0.00
33.00	LIGHT FIXTURES-ROUGH IN	LABOR	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00%	0.00	1,500.00
34.00	LIGHT FIXTURES-ROUGH IN	MATERIAL	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00%	0.00	0.00
35.00	LIGHT FIXTURES-INSTALL	LABOR	25,000.00	22,500.00	2,500.00	0.00	25,000.00	100.00%	0.00	100.00
36.00	LIGHT FIXTURES-INSTALL	MATERIAL	170,000.00	170,000.00	0.00	0.00	170,000.00	100.00%	0.00	0.00
37.00	LIGHTING CONTROL	LABOR	25,000.00	22,500.00	2,500.00	0.00	25,000.00	100.00%	0.00	1,100.00
38.00	LIGHTING CONTROL	MATERIAL	28,000.00	25,200.00	2,800.00	0.00	28,000.00	100.00%	0.00	0.00
39.00	DEVICES	LABOR	5,000.00	4,000.00	750.00	0.00	4,750.00	95.00%	250.00	0.00
40.00	DEVICES	MATERIAL	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00%	0.00	0.00
41.00	UPS	LABOR	7,000.00	6,650.00	350.00	0.00	7,000.00	100.00%	0.00	0.00
42.00	UPS	MATERIAL	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00%	0.00	0.00
43.00	TVSS	LABOR	5,000.00	3,500.00	1,500.00	0.00	5,000.00	100.00%	0.00	0.00
44.00	TVSS	MATERIAL	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	0.00
45.00	GENERATOR	LABOR	7,000.00	4,900.00	2,100.00	0.00	7,000.00	100.00%	0.00	0.00
46.00	GENERATOR	MATERIAL	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00%	0.00	0.00
47.00	LIGHTNING PROTECTION/GROUNDING	LABOR	8,000.00	6,000.00	2,000.00	0.00	8,000.00	100.00%	0.00	0.00
48.00	LIGHTNING PROTECTION/GROUNDING	MATERIAL	45,000.00	33,750.00	11,250.00	0.00	45,000.00	100.00%	0.00	0.00
49.00	COMMISSIONING/TESTING	LABOR	8,000.00	0.00	4,000.00	0.00	4,000.00	50.00%	4,000.00	0.00
50.00	COMMISSIONING/TESTING	MATERIAL	1,000.00	0.00	500.00	0.00	500.00	50.00%	500.00	0.00
51.00	Change Order # 1	LABOR	1,167.00	1,167.00	0.00	0.00	1,167.00	100.00%	0.00	0.00
52.00	Change Order # 2	LABOR	1,141.00	1,141.00	0.00	0.00	1,141.00	100.00%	0.00	0.00
53.00	Change Order # 3	LABOR	28,692.00	21,519.00	7,173.00	0.00	28,692.00	100.00%	0.00	0.00
54.00	Change Order # 3	MATERIAL	19,938.00	14,953.50	4,984.50	0.00	19,938.00	100.00%	0.00	0.00
55.00	Change Order # 4	LABOR	(3,033.00)	(3,033.00)	0.00	0.00	(3,033.00)	100.00%	0.00	0.00
56.00	Change Order # 5	LABOR	(381.00)	(381.00)	0.00	0.00	(381.00)	100.00%	0.00	0.00
57.00	Change Order # 6	MATERIAL	(338.00)	(338.00)	0.00	0.00	(338.00)	100.00%	0.00	0.00
58.00	Change Order # 7	LABOR	1,143.00	1,143.00	0.00	0.00	1,143.00	100.00%	0.00	0.00
59.00	Change Order # 8	LABOR	13,312.00	7,987.20	4,659.20	0.00	12,646.40	95.00%	665.60	0.00
60.00	Change Order # 8	MATERIAL	10,891.00	5,445.50	5,445.50	0.00	10,891.00	100.00%	0.00	0.00
61.00	Change Order # 9	LABOR	3,076.00	3,076.00	0.00	0.00	3,076.00	100.00%	0.00	0.00
62.00	Change Order # 10	LABOR	5,382.00	5,382.00	0.00	0.00	5,382.00	100.00%	0.00	0.00

63.00	Change Order # 11	LABOR	(167.00)	(167.00)	0.00		(167.00)	100.00%		0.00
64.00	Change Order # 12	LABOR	463.00		463.00		463.00	100.00%	0.00	0.00
65.00	Change Order # 13	LABOR	345.00		345.00		345.00	100.00%	0.00	0.00
66.00	Change Order # 14	MATERIAL	651.00		651.00		651.00	100.00%	0.00	0.00
	TOTAL		1,383,632.00	1,274,045.20	82,021.20	0.00	1,356,066.40	98.01%	27,565.60	30,353.12

LABOR

SAID AFFIANT FURTHER STATES THAT THE FOLLOWING SHOWS THE NAMES AND ADDRESSES OF EVERY UNPAID LABORER OF ESI, INC FURNISHING LABOR UNDER SAID CONTRACT, GIVING THE AMOUNT, IF ANY, WHICH IS DUE OR TO BECOME DUE, TO THEM, FOR LABOR DONE TO DATE HEREOF.

NAME	ADDRESS	KIND OF MACHINERY, MATERIAL OR FUEL	AMOUNT DUE OR TO BECOME DUE FOR WORK & MATERIALS TO DATE
EVERY LABORER HAS BEEN PAID IN FULL			


NOTE - IF THE FACT IS THAT EVERY LABORER HAS BEEN PAID IN FULL, THEN RECITE "EVERY LABORER HAS BEEN PAID IN FULL" IF NOT, THEN GIVE EACH LABORER'S NAME AND ADDRESS AND THE AMOUNT DUE OR TO BECOME DUE.

AFFIANT FURTHER STATES THAT THERE IS DUE OR TO BECOME DUE TO FOR WORK PERFORMED OR MACHINERY, MATERIAL OR FUEL FURNISHED TO TO DATE, HEREOF UNDER SAID CONTRACTS, THE SUM OF :

	ESI, INC
	TURNER CONSTRUCTION
\$	82,021.20
	(AMOUNT OF CURRENT APPLICATION DUE)


THAT THE AMOUNTS DUE OR TO BECOME DUE TO SAID SUB-CONTRACTORS, MATERIAL MEN, AND LABORERS, FOR WORK DONE OR MACHINERY, MATERIAL OR FUEL FURNISHED TO THE DATE HEREOF, TO ESI, INC ARE FULLY AND CORRECTLY SET FORTH OPPOSITE THEIR NAMES, RESPECTIVELY, IN THE AFORESAID STATEMENTS, AND FURTHER EVIDENCED BY CERTIFICATES OF EVERY PERSON FURNISHING MACHINERY, MATERIAL OR FUEL, HERETO ATTACHED, AND MADE A PART HEREOF

AFFIANT FURTHER SAYS THAT ESI, INC HAS NOT EMPLOYED OR PURCHASED OR PROCURED MACHINERY, MATERIAL OR FUEL FROM , OR SUB-CONTRACTED WITH ANY PERSON, FIRM OR COOPERATION, OTHER THAN THOSE ABOVE MENTIONED, AND OWES FOR NO LABOR PERFORMED, OR MACHINERY, MATERIAL OR FUEL FURNISHED, UNDER SAID CONTRACTS, OTHER THAN ABOVE SET FORTH.


 DATE 7/30/12

SWORN TO ME AND SUBSCRIBED IN MY PRESENCE, AT Butler County, (STATE) OHIO, THIS 30TH DAY OF July 2012.

Tamara K Bullock
 NOTARY PUBLIC

AFFIDAVIT OF ORIGINAL OR SUB-CONTRACTOR	BUTLER TECH	OWNER	Turner Construction HEAD-CONTRACTOR	ESI, Inc SUB-CONTRACTOR	7/30/2012 DATE	 TAMARA K. BULLOCK Notary Public, State of Ohio My Commission Expires February 6, 2013
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COMcheck Software Version 3.8.0

Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **Addition**

Project Title : Renovation & Addition - Mariemont Elementary School

Construction Site:

6750 Wooster Pike
Mariemont, OH 45227

Owner/Agent:

Mariemont City Schools
6743 Chestnut Street
Mariemont, OH 45227

Designer/Contractor:

Anthony Lozier
SFA Architects
300 West Fourth Street
Cincinnati, OH 45202
(513) 721-0600
sylviahite@sfa-architects.com

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
School/University	120690	1.2	144828
Total Allowed Watts =			144828

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
School/University (120690 sq.ft.)				
Linear Fluorescent 1: A1,A3,A5: 48" T8 32W / Premium efficiency	3	22	94	2068
Linear Fluorescent 2: A2,B1D,B1,B3D,B3,D1,E1,E3,L1,L2: 48" T8 32W / Premium efficiency	2	879	71	62409
Linear Fluorescent 3: A4,A6,D2,D5,D6,E2: 48" T8 32W / Premium efficiency	4	75	114	8550
Linear Fluorescent 4: B2D,B2: 24" T8 17W / Premium efficiency	2	37	40	1480
Linear Fluorescent 5: B4D,B4,K6: 46" T5 HO 54W / Premium efficiency	2	3	120	360
Linear Fluorescent 6: F1,H2: 22" T5 14W / Premium efficiency	2	6	34	204
Linear Fluorescent 7: G1: 46" T5 HO 54W / Premium efficiency	6	20	360	7200
Linear Fluorescent 8: G2: 46" T5 HO 54W / Premium efficiency	4	6	240	1440
Linear Fluorescent 9: G3: 46" T5 HO 54W / Premium efficiency	4	3	230	690
Linear Fluorescent 10: H3,J6: 35" T5 21W / Premium efficiency	2	12	48	576
Linear Fluorescent 11: H4,J8: 46" T5 28W / Premium efficiency	2	33	60	1980
Linear Fluorescent 12: H5: 57" T5 35W / Premium efficiency	2	7	80	560
Linear Fluorescent 13: H6: 35" T5 21W / Premium efficiency	4	4	90	360
Linear Fluorescent 14: H8: 46" T5 28W / Premium efficiency	4	13	130	1690
Linear Fluorescent 15: J2: 22" T5 14W / Premium efficiency	1	5	18	90
Linear Fluorescent 16: J3: 35" T5 21W / Premium efficiency	1	20	26	520
Linear Fluorescent 17: J4: 46" T5 28W / Premium efficiency	1	19	30	570
Linear Fluorescent 19: W2,W3: 46" T5 HO 54W / Premium efficiency	1	12	60	720
Compact Fluorescent 1: C16: 6"x6"-42W / Triple 4-pin 42W / Electronic	1	18	42	756
Compact Fluorescent 2: C18: 8"x8"-26W / Twin Tube 24/26/27W / Electronic	2	4	60	240
Compact Fluorescent 8: K3: 8"-39W PL / Twin Tube 36/39W / Electronic	2	9	138	1242
Compact Fluorescent 9: K4: 10"-50W PL / Twin Tube 50W / Electronic	3	11	180	1980
Compact Fluorescent 10: K5: 12"-39W PL / Twin Tube 36/39W / Electronic	4	14	184	2576
Halogen 3: C3L-LED: 6"-35W / Other	1	30	34	1020

Section 4: Requirements Checklist

Lighting Wattage:

1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
144828	99533	YES

Controls, Switching, and Wiring:

2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
- Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

- Areas designated as security or emergency areas that must be continuously illuminated.
- Lighting in stairways or corridors that are elements of the means of egress.
5. Master switch at entry to hotel/motel guest room.
6. Individual dwelling units separately metered.
7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Areas that use less than 0.6 Watts/sq.ft.
9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
10. Photocell/astronomical time switch on exterior lights.

Exceptions:

- Lighting intended for 24 hour use.
11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Interior Lighting PASSES: Design 31% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date



Exterior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **Addition**

Project Title : Renovation & Addition - Mariemont Elementary School

Exterior Lighting Zone: **3 (Other)**

Construction Site:

6750 Wooster Pike
Mariemont, OH 45227

Owner/Agent:

Mariemont City Schools
6743 Chestnut Street
Mariemont, OH 45227

Designer/Contractor:

Anthony Lozier
SFA Architects
300 West Fourth Street
Cincinnati, OH 45202
(513) 721-0600
sylviahite@sfa-architects.com

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (C x D)	F Proposed Watts
Main entry	22 ft of door width	30	Yes	660	168
Other door (not main entry)	60 ft of door width	20	Yes	1200	672
Entry canopy	928 ft2	0.4	Yes	371	420
Total Tradable Watts* =				2231	1260
Total Allowed Watts =				2231	
Total Allowed Supplemental Watts** =				750	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (22 ft of door width): Tradable Wattage				
Compact Fluorescent 1: Triple 4-pin 42W / Electronic	2	2	84	168
Entry canopy (928 ft2): Tradable Wattage				
Compact Fluorescent 2: Triple 4-pin 42W / Electronic	2	5	84	420
Other door (not main entry) (60 ft of door width): Tradable Wattage				
Compact Fluorescent 3: Triple 4-pin 42W / Electronic	1	16	42	672
Total Tradable Proposed Watts =				1260

Section 4: Requirements Checklist

Lighting Wattage:

1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.

Compliance: Passes.

Controls, Switching, and Wiring:

- 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
- 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
- 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
- Emergency lighting that is automatically off during normal building operation.
- Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Design 58% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date



COMcheck Software Version 3.8.0

Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**

Project Title : New Mariemont Junior High School

Construction Site:
3847 Southern Avenue
Cincinnati, OH 45227

Owner/Agent:
Mariemont City Schools
6743 Chestnut Street
Mariemont, OH 45227

Designer/Contractor:
Anthony Lozier
SFA Architects
300 West Fourth Street
Cincinnati, OH 45202
(513) 721-0600
sylviahite@sfa-architects.com

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
School/University	60801	1.2	72961
Total Allowed Watts =			72961

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
School/University (60801 sq.ft.)				
Linear Fluorescent 1: A3,A5,A7: 48" T8 32W / Premium efficiency	3	240	94	22560
Linear Fluorescent 2: A1,A2,A4,B1D,B1,B3D,B3,D1,E1,R1: 48" T8 32W / Premium efficiency	2	34	71	2414
Linear Fluorescent 3: A4,A6,E2: 48" T8 32W / Premium efficiency	4	20	114	2280
Linear Fluorescent 4: B1, B4, B5: 24" T8 17W / Premium efficiency	2	34	64	2176
Linear Fluorescent 6: L1 & L1E: 48" T8 32W / Premium efficiency	2	80	32	2560
Linear Fluorescent 7: G1: 46" T5 HO 54W / Premium efficiency	6	24	360	8640
Linear Fluorescent 8: L3,L4,L8,L12,L16,L24: 46" T5 HO 54W / Premium efficiency	1	84	110	9240
Compact Fluorescent 1: C16: 6"x6"-42W / Triple 4-pin 42W / Electronic	1	10	42	420
Compact Fluorescent 15: W1: 13x4-26W PLC / Twin Tube 24/26/27W / Electronic	2	4	60	240
Halogen 3: C3L-LED: 6"-LED / Other	1	12	34	408
Halogen 4: C6L-LED: 6x6 LED / Other	1	48	36	1728
HID 1: K10: 14x26-150W T6 / Metal Halide 150W / Pulse start	1	10	150	1500
Total Proposed Watts =			54166	

Section 4: Requirements Checklist

Lighting Wattage:

1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
72961	54166	YES

Controls, Switching, and Wiring:

- 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
- 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
- Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

- 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

- Areas designated as security or emergency areas that must be continuously illuminated.
- Lighting in stairways or corridors that are elements of the means of egress.

- 5. Master switch at entry to hotel/motel guest room.
- 6. Individual dwelling units separately metered.
- 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
- 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Areas that use less than 0.6 Watts/sq.ft.

- 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

- 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

- Lighting intended for 24 hour use.

- 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Interior Lighting PASSES: Design 26% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date



Exterior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **New Construction**
 Project Title : New Mariemont Junior High School
 Exterior Lighting Zone: **3 (Other)**

Construction Site:
 3847 Southern Avenue
 Cincinnati, OH 45227

Owner/Agent:
 Mariemont City Schools
 6743 Chestnut Street
 Mariemont, OH 45227

Designer/Contractor:
 Anthony Lozier
 SFA Architects
 300 West Fourth Street
 Cincinnati, OH 45202
 (513) 721-0600
 sylviahite@sfa-architects.com

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Main entry	7 ft of door width	30	Yes	210	110
Other door (not main entry)	60 ft of door width	20	Yes	1200	756
Total Tradable Watts* =				1410	866
Total Allowed Watts =				1410	
Total Allowed Supplemental Watts** =				750	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (7 ft of door width): Tradable Wattage				
Compact Fluorescent 1: Twin Tube 55W / Electronic	1	2	55	110
Other door (not main entry) (60 ft of door width): Tradable Wattage				
Compact Fluorescent 3: Triple 4-pin 42W / Electronic	1	18	42	756
Total Tradable Proposed Watts =				866

Section 4: Requirements Checklist

Lighting Wattage:

1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.

Compliance: Passes.

Controls, Switching, and Wiring:

2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
3. Lighting not designated for dusk-to-dawn operation is controlled by either a photosensor (with time switch), or an astronomical time switch.

- 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
- Emergency lighting that is automatically off during normal building operation.
- Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Design 60% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date



COMcheck Software Version 3.8.0

Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **Addition**

Project Title : Renovation & Addition - Terrace Park Elementary School

Construction Site:
723 Elm Avenue
Terrace Park, OH 45227

Owner/Agent:
Mariemont City Schools
6743 Chestnut Street
Mariemont, OH 45227

Designer/Contractor:
Anthony Lozier
SFA Architects
300 West Fourth Street
Cincinnati, OH 45202
(513) 721-0600
sylviahite@sfa-architects.com

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
School/University	65029	1.2	78035
Total Allowed Watts =			78035

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
School/University (65029 sq.ft.)				
Linear Fluorescent 1: A1,A3,A5: 48" T8 32W / Premium efficiency	3	24	94	2256
Linear Fluorescent 2: A2,B1D,B1,B3D,B3,D1,E1,E3,L1,L2: 48" T8 32W / Premium efficiency	2	460	71	32660
Linear Fluorescent 3: A4,A6,D2,D5,D6,E2: 48" T8 32W / Premium efficiency	4	45	114	5130
Linear Fluorescent 4: B2D,B2: 24" T8 17W / Premium efficiency	2	25	40	1000
Linear Fluorescent 6: F1,H2: 22" T5 14W / Premium efficiency	2	3	34	102
Linear Fluorescent 7: G1,L9: 46" T5 HO 54W / Premium efficiency	6	22	360	7920
Linear Fluorescent 9: G3: 46" T5 HO 54W / Premium efficiency	4	3	230	690
Linear Fluorescent 11: H4,J8: 46" T5 28W / Premium efficiency	2	6	60	360
Linear Fluorescent 12: H5: 57" T5 35W / Premium efficiency	2	6	80	480
Linear Fluorescent 13: H6: 35" T5 21W / Premium efficiency	4	2	90	180
Linear Fluorescent 14: H8: 46" T5 28W / Premium efficiency	4	14	130	1820
Compact Fluorescent 1: C16: 6"x6"-42W / Triple 4-pin 42W / Electronic	1	6	42	252
Compact Fluorescent 2: C18: 8"x8"-26W / Twin Tube 24/26/27W / Electronic	2	3	60	180
Compact Fluorescent 3: C242: 8"-42W / Triple 4-pin 42W / Electronic	2	22	90	1980
Compact Fluorescent 4: C257: 9" 57W / Other / Electronic	2	6	62	372
Compact Fluorescent 5: C270: 9" 70W / Other / Electronic	2	20	74	1480
Compact Fluorescent 6: K1: 38"-55W PL / Twin Tube 55W / Electronic	8	12	480	5760
Compact Fluorescent 7: K2 (10 LAMP): 46"-55W PL / Twin Tube 55W / Electronic	8	9	600	5400
Compact Fluorescent 15: W1: 13x4-26W PLC / Twin Tube 24/26/27W / Electronic	2	10	60	600
Halogen 3: C3L-LED: 6"-35W / Other	1	24	34	816
Halogen 4: C4L-LED: 4x4 18W / Other	1	4	18	72
Compact Fluorescent 9: N1: 8"-45W / Triple 4-pin 42W / Electronic	2	24	45	1080
Total Proposed Watts =			70590	

Section 4: Requirements Checklist

Lighting Wattage:

1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
78035	70590	YES

Controls, Switching, and Wiring:

2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
- Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

- Areas designated as security or emergency areas that must be continuously illuminated.
- Lighting in stairways or corridors that are elements of the means of egress.
5. Master switch at entry to hotel/motel guest room.
6. Individual dwelling units separately metered.
7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Areas that use less than 0.6 Watts/sq.ft.
9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
10. Photocell/astronomical time switch on exterior lights.

Exceptions:

- Lighting intended for 24 hour use.
11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Interior Lighting PASSES: Design 10% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date



Exterior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **Addition**

Project Title : Renovation & Addition - Terrace Park Elementary School

Exterior Lighting Zone: **3 (Other)**

Construction Site:

723 Elm Avenue
Terrace Park, OH 45227

Owner/Agent:

Mariemont City Schools
6743 Chestnut Street
Mariemont, OH 45227

Designer/Contractor:

Anthony Lozier
SFA Architects
300 West Fourth Street
Cincinnati, OH 45202
(513) 721-0600
sylviahite@sfa-architects.com

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (C x D)	F Proposed Watts
Main entry	22 ft of door width	30	Yes	660	168
Other door (not main entry)	60 ft of door width	20	Yes	1200	672
Entry canopy	928 ft2	0.4	Yes	371	420
Total Tradable Watts* =				2231	1260
Total Allowed Watts =				2231	
Total Allowed Supplemental Watts** =				750	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (22 ft of door width): Tradable Wattage				
Compact Fluorescent 1: Triple 4-pin 42W / Electronic	2	2	84	168
Entry canopy (928 ft2): Tradable Wattage				
Compact Fluorescent 2: Triple 4-pin 42W / Electronic	2	5	84	420
Other door (not main entry) (60 ft of door width): Tradable Wattage				
Compact Fluorescent 3: Triple 4-pin 42W / Electronic	1	16	42	672
Total Tradable Proposed Watts =				1260

Section 4: Requirements Checklist

Lighting Wattage:

1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.

Compliance: Passes.

Controls, Switching, and Wiring:

- 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
- 3. Lighting not designated for dusk-to-dawn operation is controlled by either a photosensor (with time switch), or an astronomical time switch.
- 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
- Emergency lighting that is automatically off during normal building operation.
- Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Design 58% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 3.8.0 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title

Signature

Date

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER: MARICMONT CITY SCHOOLS PROJECT: MARICMONT JUNIOR HIGH

FROM CONTRACTOR: BEJ ELECTRICAL CO INC VIA ARCHITECT: S.F.A.

APPLICATION No: 10
 PERIOD TO:
 PROJECT NOS:
 CONTRACT DATE:

CONTRACT FOR: MARICMONT JUNIOR HIGH SCHOOL - ELECTRIC

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Continuation sheet as attached.

- 1. ORIGINAL CONTRACT SUM \$ 738,800
- 2. Net Change by Change Orders \$ 52,679
- 3. CONTRACT SUM TO DATE \$ 791,479
- 4. TOTAL COMPLETED & STORED TO DATE \$ 743,952
- 5. RETAINAGE
 - a. 8-50% of Completed Labor \$ 10,200
 - b. 8% of Stored Material \$ 0
 - Total Retainage \$ 10,200
- 6. TOTAL EARNED LESS RETAINAGE \$ 733,752
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT .. \$ 669,951
- 8. CURRENT PAYMENT DUE \$ 63,801
- 9. BALANCE TO FINISH, INCLUDING RETAINAGE ... \$ 57,727

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	55,397	(- 3,196)
Total approved this month	478	0
TOTALS	55,875	(- 3,196)
NET CHANGES by Change Order	55,875	(- 3,196)

52,679

The contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the Owner have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

BEJ ELECTRICAL CO INC.

Contractor

Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

Architect

Date

Construction Manager

Date

Approved:

Owner

Date

MARIEMONT JUNIOR HIGH

SCHEDULE OF VALUES WRITE - UP

APPLICATION #10

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
1	MOBILIZATION	30,000	30,000	0	0	30,000	100	0	0
2	SUBMITTALS	15,000	15,000	0	0	15,000	100	0	0
3	SUPERVISION AND SAFETY	25,000	18,000	4,000	0	22,000	88	3,000	0
4	MEETINGS	15,000	10,000	4,000	0	14,000	93	1,000	0
5	CLEAN UP	12,000	10,000	1,000	0	11,000	92	1,000	0
6	ROUGH SLAB - M	20,000	20,000	0	0	20,000	100	0	0
7	ROUGH SLAB - L	20,000	20,000	0	0	20,000	100	0	800
8	ROUGH WALLS - M	20,000	20,000	0	0	20,000	100	0	0
9	ROUGH WALLS - L	20,000	20,000	0	0	20,000	100	0	800
10	LIGHTING - M	100,000	82,000	15,000	0	97,000	97	3,000	0
11	LIGHTING - L	50,000	42,000	6,000	0	48,000	96	2,000	1,920
12	DEVICES - M	15,000	9,000	5,000	0	14,000	93	1,000	0
13	DEVICES - L	10,000	6,000	3,000	0	9,000	90	1,000	360
14	FIRE ALARM - M	20,000	18,000	1,000	0	19,000	95	1,000	0
15	FIRE ALARM - L	20,000	17,000	2,000	0	19,000	95	1,000	760
16	CABLE TRAY - M	10,000	10,000	0	0	10,000	100	0	0
17	CABLE TRAY - L	15,000	15,000	0	0	15,000	100	0	600
18	TRANSFORMER PAD - M	2,000	2,000	0	0	2,000	100	0	0
19	TRANSFORMER PAD - L	2,000	2,000	0	0	2,000	100	0	80
20	TEMPORARY ELECTRIC - M	10,000	10,000	0	0	10,000	100	0	0
21	TEMPORARY ELECTRIC - L	10,000	10,000	0	0	10,000	100	0	400

MARLBOROUGH JUNIOR High

SCHEDULE OF VALUES WRITE - UP

APPLICATION # 10

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
22	DISTRIBUTION PANELS - M	25,000	24,000	1,000	0	25,000	100	0	0
23	DISTRIBUTION PANELS - L	20,000	20,000	0	0	20,000	100	0	800
24	SUB PANELS - M	20,000	19,500	500	0	20,000	100	0	0
25	SUB PANELS - L	15,000	14,500	500	0	15,000	100	0	600
26	SITE LIGHTING - M	15,000	11,500	3,500	0	15,000	100	0	0
27	SITE LIGHTING - L	15,000	12,500	2,500	0	15,000	100	0	600
28	LIGHTNING PROTECTION - M	10,000	9,000	1,000	0	10,000	100	0	0
29	LIGHTNING PROTECTION - L	10,000	8,000	2,000	0	10,000	100	0	400
30	WIRE - M	35,000	33,000	1,000	0	34,000	97	1,000	0
31	WIRE - L	35,000	33,000	1,000	0	34,000	97	1,000	1360
32	GROUNDING - M	13,000	12,000	500	0	12,500	96	500	0
33	GROUNDING - L	9,800	8,000	1,000	0	9,000	92	800	360
34	MECHANICAL EQUIPMENT - M	10,000	7,000	2,000	0	9,000	90	1,000	0
35	MECHANICAL EQUIPMENT - L	10,000	7,000	2,000	0	9,000	90	1,000	360
36	ALLOWANCE / CONTINGENCY	15,000	14,958	0	0	14,958	100	42	0
37	ALLOWANCE FA / H.V.A.C	10,000	9,793	0	0	9,793	98	207	0
38	PUNCHLIST / CLOSEOUT	15,000	1,000	1,000	0	2,000	13	13,000	0
39	DEMobilIZATION	15,000	0	500	0	500	3	14,500	0
40	CHANGE ORDER # 1	28,400	28,000	400	0	28,400	100	0	0
41	CHANGE ORDER # 2	17,000	17,000	0	0	17,000	100	0	0
42	CHANGE ORDER # 3	-3,196	-3,196	0	0	-3,196	100	0	0

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER: MARIEMONT CITY SCHOOLS

PROJECT: TERRACE PARK ELEMENTARY

APPLICATION No: 10

PERIOD TO:

PROJECT NOS:

CONTRACT DATE:

FROM CONTRACTOR: B&J ELECTRICAL CO VIA ARCHITECT: S.F.A.

CONTRACT FOR: TERRACE PARK ELEMENTARY SCHOOL - ELECTRIC

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract Continuation sheet as attached.

1. ORIGINAL CONTRACT SUM \$ 888,888
2. Net Change by Change Orders \$ 42,879
3. CONTRACT SUM TO DATE \$ 931,767
4. TOTAL COMPLETED & STORED TO DATE \$ 897,521
5. RETAINAGE
 - a. 8-50% of Completed Labor \$ 12,852
 - b. 8% of Stored Material \$ 0
 - Total Retainage \$ 12,852
6. TOTAL EARNED LESS RETAINAGE \$ 884,669
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT .. \$ 755,433
8. CURRENT PAYMENT DUE \$ 129,236
9. BALANCE TO FINISH, INCLUDING RETAINAGE ... \$ 47,098

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	42,927	(-2,896)
Total approved this month	3,177	(-329)
TOTALS	46,104	(-3225)
NET CHANGES by Change Order	46,104	(-3225)

42,879

The contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the Owner have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

B&J ELECTRICAL CO INC
Contractor

7/26/12
Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

Architect

Date

Construction Manager

Date

Approved:

Owner

Date

DEJ ELECTRICAL CO INC.

TERRACE PARK ELEMENTARY

SCHEDULE OF VALUES WRITE - UP

APPLICATION # 10

ITEM NO	DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED			G		H	
			PREVIOUS APPLICATIONS	THIS APPLICATION		TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
1	MOBILIZATION	20,000	20,000	0	0	20,000	100	0	0
2	SUBMITTALS	15,000	15,000	0	0	15,000	100	0	0
3	SUPERVISION / SAFETY	10,000	8,500	1,000	0	9,500	95	500	0
4	MEETINGS	5,000	4,500	250	0	4,750	95	250	0
5	CLEAN UP	15,000	10,500	2,500	0	13,000	87	2,000	0
6	CONDUIT - M	90,000	88,000	2,000	0	90,000	100	0	0
7	" - L	144,688	137,000	5,000	0	142,000	98	2,688	5,680
8	WIRE - M	60,000	59,000	1,000	0	60,000	100	0	0
9	" - L	68,000	66,000	1,000	0	67,000	99	1,000	2,680
10	Lighting - M	150,000	67,000	83,000	0	150,000	100	0	0
11	" - L	38,000	29,000	9,000	0	38,000	100	0	1,520
12	DEVICE - M	12,000	9,000	2,000	0	11,000	92	1,000	0
13	" - L	12,800	7,560	3,000	0	10,560	82	2,300	420
14	FIRE ALARM - M	20,000	17,500	2,000	0	19,500	98	500	0
15	" " - L	28,000	16,500	6,500	0	23,000	82	5,000	920
16	CABLE TRAY - M	4,000	4,000	0	0	4,000	100	0	0
17	" " - L	7,000	7,000	0	0	7,000	100	0	280
18	GEAR - M	70,000	70,000	0	0	70,000	100	0	0
19	" - L	12,000	12,000	0	0	12,000	100	0	480
20	HOOK UP - M	4,800	3,500	1,000	0	4,500	94	300	0
21	" " - L	5,200	3,000	1,500	0	4,500	87	700	180

SCHEDULE OF VALUES WRITE - UP

APPLICATION # 10

ITEM NO	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G+C)	BALANCE TO FINISH (C-G)	RETAINAGE
			PREVIOUS APPLICATIONS	THIS APPLICATION					
				WORK IN PLACE	STORED MATERIALS (NOT IN D OR E)				
22	JUNCTION BOXES - M	2,000	2,000	0	0	2,000	100	0	0
23	" " - L	4,800	4,800	0	0	4,800	100	0	192
24	MISCELLANEOUS - M	2,000	1,500	500	0	2,000	100	0	0
25	" " - L	2,000	1,500	500	0	2,000	100	0	80
26	SITE WORK - M	20,000	18,000	1,000	0	19,000	95	1,000	0
27	" " - L	9,600	9,000	0	0	9,000	94	600	360
28	AREA OF RESCUE - M	5,000	3,500	500	0	4,000	80	1,000	0
29	" " " - L	2,000	1,000	500	0	1,500	75	500	60
30	PUNCH LIST	5,000	0	500	0	500	10	4,500	0
31	DEMobilIZATION	5,000	0	0	0	0	0	5,000	0
32	ALLOWANCE 1	10,000	7522	1000	0	8,522	85	1,478	0
33	ALLOWANCE 2	15,000	14,516	0	0	14,516	97	484	0
34	ALLOWANCE 3	15,000	14,323	0	0	14,323	95	677	0
35	CO #1 - KITCHEN FIT	9,500	9,000	500	0	9,500	100	0	0
36	CO #2 -	20,900	20,000	900	0	20,900	100	0	0
37	CO #3	-2,896	-2,896	0	0	-2,896	100	0	0
38	CO #4	1,958	1,958	0	0	1,958	100	0	0
39	CO #5	3,977	3,000	500	0	3,500	88	477	0
40	CO #6	4,982	2,982	1,000	0	3,982	80	1,000	0
41	CO #7	815	500	200	0	700	86	115	0
42	CO #8	795	500	295	0	795	100	0	0

