

STATE OF MICHIGAN
 DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET November 17, 2010
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

CHANGE NOTICE NO. 1
TO
CONTRACT NO. 071B1300090
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR Energy Systems Group LLC 7804 Francis Court Suite 210 Lansing, MI 48917 mlivendate@energysystemsgroup.com	TELEPHONE (248) 207-7367 Michael Livendale
	CONTRACTOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-0301 Sue Cieciva
Contract Compliance Inspector: Jerry Elmlad (517) 373-4471 Energy Performance Contract – Parnall Correctional Facility Department of Corrections	
CONTRACT PERIOD: 11 years, 2 months From: November 3, 2010 To: January 5, 2022	
TERMS <p style="text-align: center;">N/A</p>	SHIPMENT <p style="text-align: center;">N/A</p>
F.O.B. <p style="text-align: center;">N/A</p>	SHIPPED FROM <p style="text-align: center;">N/A</p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;">N/A</p>	

NATURE OF CHANGE (s):

The following Exhibits (10 pages) are hereby ADDED to this Contract:

- Exhibit I – Performance Bond
- Exhibit II – Labor and Material Payment Bond

All other terms, conditions, specifications, and pricing remain the same.

AUTHORITY/REASON:

Per bond documentation submitted by Contractor on November 8, 2010.

TOTAL ESTIMATED CONTRACT VALUE (NOT TO EXCEED) REMAINS: \$13,290,958.00

Bond Number: 014051737

Performance Bond

CONTRACTOR:
(Name, legal status and address)
Energy Systems Group, LLC
4655 Rosebud Lane
Newburgh, IN 47630

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company, a Massachusetts Corporation
175 Berkeley Street
Boston, MA 02116

OWNER:
(Name, legal status and address)
State of Michigan
530 West Allegan
PO Box 30026
Lansing, MI 4809

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

CONSTRUCTION CONTRACT
Date: **November 8, 2010**
Amount: **\$13,290,958.00**

Description:
(Name and location)
Contract No. 071B1300090 - Energy Performance Contract - Parnell Correctional Facility
Department of Corrections, Jackson, MI

BOND
Date: **November 8, 2010**
(Not earlier than Construction Contract Date)

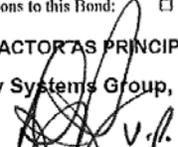
Amount: **\$13,290,958.0**

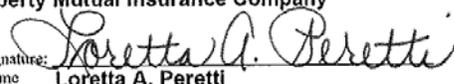
Modifications to this Bond: None

See Section 16

CONTRACTOR AS PRINCIPAL
Company: **Energy Systems Group, LLC** *(Corporate Seal)*

SURETY
Company: **Liberty Mutual Insurance Company** *(Corporate Seal)*

Signature: 
Name: **Dennis J. Perrey**
and Title: **Vice President/CAO**
(Any additional signatures appear on the last page of this Performance Bond.)

Signature: 
Name: **Loretta A. Peretti**
and Title: **Attorney-in-Fact**

(FOR INFORMATION ONLY -- Name, address and telephone)
AGENT or BROKER:

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other Party)

Marsh USA Inc.
200 Ottawa Ave. N.W.
Suite 700
Grand Rapids, MI 49503
616 233-4200

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond shall arise after

- .1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;
- .2 the Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
- .3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;

§ 5.2 Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractors Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

- .1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
- .2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 If the Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

§ 7 If the Surety elects to act under Section 5.1, 5.2 or 5.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

- .1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
- .2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and
- .3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

§ 8 If the Surety elects to act under Section 5.1, 5.3 or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 14 Definitions

§ 14.1 **Balance of the Contract Price.** The total amount payable by the Owner to the Contractor under this Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 **Construction Contract.** The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 **Contractor Default.** Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

§ 14.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

§ 15 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 16 Modifications to this bond are as follows:

NOTWITHSTANDING ANY PROVISIONS TO THE CONTRARY IN THE CONTRACT, THIS PERFORMANCE BOND DOES NOT EXTEND TO ANY OBLIGATIONS OF ENERGY SYSTEMS GROUP, LLC CONCERNING THE ENERGY AND COST SAVINGS GUARANTEE AS DEFINED IN SECTION 1.1 OF THE CONTRACT, EXPLAINED IN DETAIL AND FURTHER DEFINED IN SCHEDULE C OF THE CONTRACT AND REFERENCED AT OTHER LOCATIONS IN THE CONTRACT INCLUDING SCHEDULE F SAVINGS MEASUREMENT VERIFICATION PLAN; METHODOLOGY TO ADJUST BASELINE, ARTICLE 3 AND ARTICLE 4.

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL
Company: _____
(Corporate Seal)

SURETY
Company _____
(Corporate Seal)

Signature: _____
Name and Title:
Address

Signature: _____
Name and Title:
Address

Bond Number: 014051737

Payment Bond

CONTRACTOR:
(Name, legal status and address)
Energy Systems Group, LLC
4655 Rosebud Lane
Newburgh, IN 47630

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company, a Massachusetts Corporation
175 Berkeley Street
Boston, MA 02116

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

OWNER:
(Name, legal status and address)
State of Michigan
530 West Allegan
PO Box 30026
Lansing, MI 4809

CONSTRUCTION CONTRACT
Date: November 8, 2010

Amount: \$13,290,958.00

Bond Description:
(Name and location)
Contract No. 071B1300090 - Energy Performance Contract - Parnell Correctional Facility
Department of Corrections, Jackson, MI

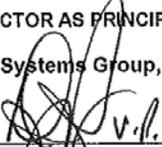
BOND
Date: November 8, 2010
(Not earlier than Construction Contract Date)

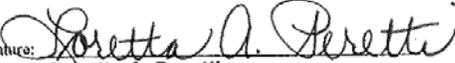
Amount: \$13,290,958.00

Modifications to this Bond: None See Section 18

CONTRACTOR AS PRINCIPAL
Company: *(Corporate Seal)*
Energy Systems Group, LLC

SURETY
Company: *(Corporate Seal)*
Liberty Mutual Insurance Company

Signature: 
Name: Dennis J. Perrey
and Title: Vice President/CAO
(Any additional signatures appear on the last page of this Performance Bond.)

Signature: 
Name: Loretta A. Peretti
and Title: Attorney-in-Fact

(FOR INFORMATION ONLY - Name, address and telephone)
AGENT or BROKER:

Marsh USA Inc.
200 Ottawa Ave. N.W.
Suite 700
Grand Rapids, MI 49503
616 233-4200

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other Party)

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes a payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner of the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

- .1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
- .2 have sent a Claim to the Surety (at the address described in Section 13)

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13)

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Section 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.

§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of Claimant or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

§ 16 Definitions

§ 16.1 Claim. A written statement by the claimant including at a minimum:

- .1 the name of the Claimant;
- .2 the name of the person for whom the labor was done, or materials or equipment furnished;
- .3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
- .4 a brief description of the labor, materials or equipment furnished;
- .5 the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- .6 the total amount earned by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
- .7 the total amount of previous payments received by the Claimant; and
- .8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

NONE

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL
Company: _____
(Corporate Seal)

SURETY
Company _____
(Corporate Seal)

Signature: _____
Name and Title:
Address

Signature: _____
Name and Title:
Address

*Printed in cooperation with the American Institute of Architects (AIA)
The language in this document conforms exactly to the language used in AIA Document A312 – Payment Bond – 2010 Edition. 8*

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint

DREW BRACH, BRIAN COOK, LORETTA A. PERETTI, JULIE DENMAN, ALL OF THE CITY OF GRAND RAPIDS, STATE OF MICHIGAN.....

....., each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **TWO HUNDRED FIFTY MILLION AND 00/100***** DOLLARS (\$ 250,000,000.00*****)** each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 6th day of April, 2010.

LIBERTY MUTUAL INSURANCE COMPANY



By Garnet W. Elliott
Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of April, 2010, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 8TH day of NOVEMBER, 2010.



By David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Notary Acknowledgement of Surety

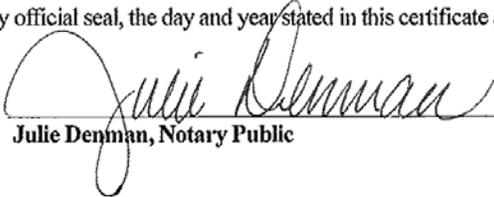
State of Michigan }
County of Kent } ss:

On **November 8, 2010**, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared **Loretta A. Peretti**

known to me to be Attorney-in-Fact of **Liberty Mutual Insurance Company** the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires December 6, 2010



Julie Denman, Notary Public

STATE OF MICHIGAN
 DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET November 17, 2010
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

**NOTICE
 OF
 CONTRACT NO. 071B1300090
 between
 THE STATE OF MICHIGAN
 and**

NAME & ADDRESS OF CONTRACTOR Energy Systems Group LLC 7804 Francis Court Suite 210 Lansing, MI 48917 mlivendale@energysystemsgroup.com	TELEPHONE (248) 207-7367 Michael Livendale
	CONTRACTOR NUMBER/MAIL CODE (2) 35-2017952 (000)
	BUYER/CA (517) 373-0301 Sue Cieciwa
Contract Compliance Inspector: Jerry Elmsblad (517) 373-4471 Energy Performance Contract – Parnall Correctional Facility Department of Corrections	
CONTRACT PERIOD: 11 years, 2 months, From: November 3, 2010 To: January 5, 2022	
TERMS	SHIPMENT
N/A	N/A
F.O.B.	SHIPPED FROM
N/A	N/A
MINIMUM DELIVERY REQUIREMENTS N/A	
MISCELLANEOUS INFORMATION:	

The terms and conditions of this Contract are those of RFP #07110200107, This Contract Agreement and the vendor's quote dated August 20, 2010. In the event of any conflicts between the specifications, and terms and conditions, indicated by the State and those indicated by the vendor, those of the State take precedence.

Estimated Contract Value (Not to Exceed): **\$13,290,958.00**

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

CONTRACT NO. 071B1300090
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR Energy Systems Group LLC 7804 Francis Court Suite 210 Lansing, MI 48917 mlivendale@energysystemsgroup.com	TELEPHONE (248) 207-7367 Michael Livendale CONTRACTOR NUMBER/MAIL CODE (2) 35-2017952 (000) BUYER/CA (517) 373-0301 Sue Cieciva
Contract Compliance Inspector: Jerry Elmblad (517) 373-4471 <p style="text-align: center;">Energy Performance Contract – Parnall Correctional Facility Department of Corrections</p>	
CONTRACT PERIOD: 11 years, 2 months, From: November 3, 2010 To: January 5, 2022	
TERMS	SHIPMENT
N/A	N/A
F.O.B.	SHIPPED FROM
N/A	N/A
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;">N/A</p>	
MISCELLANEOUS INFORMATION: The terms and conditions of this Contract are those of RFP #07110200107, This Contract Agreement and the vendor's quote dated August 20, 2010. In the event of any conflicts between the specifications, and terms and conditions, indicated by the State and those indicated by the vendor, those of the State take precedence.	
Estimated Contract Value (Not to Exceed): \$13,290,958.00	

THIS IS NOT AN ORDER: This Contract Agreement is awarded on the basis of our inquiry bearing the RFP No. 07110200107. Orders for delivery will be issued directly by the Department of Corrections through the issuance of a Purchase Order Form.

All terms and conditions of the invitation to bid are made a part hereof.

FOR THE CONTRACTOR: <hr/> Energy Systems Group LLC Firm Name <hr/> Authorized Agent Signature <hr/> Authorized Agent (Print or Type) <hr/> Date	FOR THE STATE: <hr/> Signature Anthony J. Des Chenes, Director Name/Title Commodities Division, Purchasing Operations <hr/> Purchasing Operations <hr/> Date
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ENERGY PERFORMANCE CONTRACT

This Energy Performance Contract (Contract) is entered into as of November 3, 2010 between Energy Systems Group LLC (Contractor), having its principal offices at 7804 Francis Court Suite 210, Lansing, Michigan, and the Department of Technology, Management and Budget (DTMB) for the Department of Corrections (Agency) for the purpose of installing the energy and water cost saving equipment, described in **Schedule A – Equipment to be Installed by ESCO**, and providing other services designed to save energy for the Agency's property and buildings, known as Parnall Correctional Facility, located at Jackson, Michigan (Facility).

RECITALS

WHEREAS, Agency manages the Facility, and desires energy and water cost saving equipment and services designed to save energy and associated energy costs at the Facility; and

WHEREAS, DTMB is authorized to enter into a third party financing this agreement for the acquisition and installation of energy and water cost savings equipment, collectively referred to as the "Work" (as later defined); and

WHEREAS, ESCO has expertise with the recommended procedures for controlling energy through services it has provided and equipment it has installed and maintained at other project sites similar in scope and scale of the Facility; and

WHEREAS, ESCO was selected by DTMB pursuant to a Request for Proposal and has accepted the ESCO's Technical Energy Audit and Project Development Proposal (as later defined); and

WHEREAS, ESCO has made an assessment of the utility consumption characteristics of the Facility and existing equipment described in **Schedule B - Description of Facility**, which was delivered to DTMB and Agency as a Technical Energy Audit Report (Audit), which DTMB and Agency has approved and is attached as **Appendix C – Technical Energy Audit Report**; and

WHEREAS, DTMB and Agency desire to retain ESCO to purchase, install, and service the Parties' agreed upon energy and water cost savings equipment and to provide the services and strategies described in the attached Schedules, for the purpose of achieving energy and water cost reductions within the Facility, as more fully provided in this Contract; and

WHEREAS, DTMB and Agency are authorized under the laws of the State of Michigan to enter into this Contract. 1984 PA 431, MCL 18.1253;

THEREFORE, in consideration of the mutual promises and covenants, and intending to be legally bound, DTMB, Agency, and ESCO agree that the following Contract terms: and Schedules, Exhibits and Appendices, which are attached and are made a part of this Contract.



ARTICLE 1. DEFINITIONS, SCHEDULES, EXHIBITS AND APPENDICES

Section 1.1. Definitions.

Certificate of Acceptance: The certificate substantially in the form provided in **Exhibit II (ii).**

Contract: This Energy Performance Contract and all its attached Schedules and Exhibits.

Contract Amount: The total amount of all materials, labor, auditing, design, engineering, project construction management fees, overhead, profit, contingency, subcontracted services related to the project.

Energy and Water Cost Savings: The guaranteed savings as provided in **Schedule C – Energy and Cost Savings Guarantee.**

Energy and Cost Savings Guarantee: The ESCO's guarantee that is achieved from the installation and operation of the Equipment and provision of services provided for in this Contract as specified in **Schedule D - Compensation to ESCO for Annual Services** and in accordance with the Savings Calculation Formula as set forth in **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline.**

Equipment: The goods listed and identified on **Schedule A - Equipment to be Installed by ESCO,** together and with all additions, modifications, attachments, replacements and parts.

Event of Default: The events described in **Article 19 – Conditions Beyond the Control of the Parties.**

Interim Period: The period from Contract execution to the Commencement Date.

Commencement Date: The date stated in **Section 3.2 Commencement Date.**

Facility: The facilities selected for energy and water saving measures (equipment and services) designed to reduce consumption and associated costs.

Technical Energy Audit Report (Audit Report): The study by the qualified energy services provider selected for a particular energy performance contract project which includes detailed

Work: Collectively, the Equipment, professional services and project construction related to the project.

Section 1.2. Technical Energy Audit Report and Project Development Proposal.

ESCO has completed the Audit Report of the Facility as set forth in **Appendix C – Technical Energy Audit Report** dated August 20, 2010 which has been approved and accepted by DTMB and Agency as set forth in **Exhibit II (i) - Certificate of Acceptance—Technical Energy Audit Report.** The Audit Report includes all energy conservation measures agreed upon by the Parties.



Section 1.3. Schedules, Exhibits and Appendices

ESCO has prepared and DTMB and Agency have approved and accepted the following Schedules:

Schedules

- Schedule A Equipment to be Installed by ESCO
- Schedule B Description of Facility; Pre-Existing Equipment Inventory
- Schedule C Energy and Cost Savings Guarantee
- Schedule D Compensation to ESCO for Annual Services
- Schedule E Baseline Energy Consumption
- Schedule F Savings Measurement and Verification Plan; Methodology to Adjust Baseline
- Schedule G Construction and Installation Schedule
- Schedule H Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment
- Schedule I Standards of Comfort
- Schedule J ESCO’s Maintenance Responsibilities
- Schedule K Agency’s Maintenance Responsibilities
- Schedule L Facility Maintenance Checklist
- Schedule M ESCO’s Training Responsibilities
- Schedule N Financing Agreement and Payment Schedule
- Schedule O Alternative Dispute Resolution Procedures
- Schedule P Final Project Cost & Project Cash Flow Analysis
- Schedule R Annual Reporting Requirements

Exhibits

- Exhibit I Performance Bond
- Exhibit II Labor and Material Payment Bond
- Exhibit II (i) Certificate of Acceptance—Technical Energy Audit Report
- Exhibit II (ii) Certificate of Acceptance—Installed Equipment
- Exhibit III Equipment Warranties

Appendices

- Appendix A RFP for ESCO Solicitation
- Appendix B ESCO Proposal
- Appendix C Technical Energy Audit Report

Section 1.3. Other Documents

This Contract incorporates the entire RFP and ESCO Proposal for this Project labeled Appendix A and B respectively. Acceptance by DTMB and the Agency of the Audit Report is reflected in Exhibit II (i). Notwithstanding, the provisions of this Contract and the attached Schedules shall govern in the event of any inconsistencies between the Technical Energy Audit Report and the provisions of this Contract.



ARTICLE 2. ENERGY USAGE RECORDS AND DATA

Agency has furnished and will continue to furnish (or authorize its energy suppliers to furnish) during the term of this Contract to ESCO or its designee, upon its request, all of its records and complete data concerning energy and water usage and related maintenance for the Agency's Facility.

ARTICLE 3. PURCHASE AND SALE; COMMENCEMENT DATE AND TERMS; INTERIM PERIOD**Section 3.1. Purchase and Sale**

DTMB for the Agency agrees to lease the Equipment through a third party lender, as provided for in a separate lease document, **Schedule N - Financing Document and Payment Schedule**. ESCO agrees to provide the Equipment and, installation as provided herein, as in **Schedule A - Equipment to be Installed by ESCO** based upon the terms and conditions in **Schedule N – Financing Documents and Payment Schedule**.

The agreed to Contract Amount for the Work is a Not to Exceed Price of **\$13,290,958.00** as set forth in **Schedule P - Final Project Cost & Project Cash Flow Analysis**. Payment terms are described in **Schedule N - Financing Document and Payment Schedule**.

ESCO will provide the Work and all related services identified in **Schedule A - Equipment to be Installed by ESCO** and the services detailed in **Schedule J - ESCO's Maintenance Responsibilities** and **Schedule D - Compensation to ESCO for Annual Services**. ESCO must supervise and direct the Work and is solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under this Contract. ESCO must pay for all labor, materials, equipment, tools, construction equipment and machinery, transportation and other facilities and services necessary for the proper execution and completion of the Work.

Agency will pay ESCO in accordance with **Schedule N - Financing Agreement and Payment Schedule**. Payments will be made on a progress basis in accordance with **Schedule N**, for Work completed and authorized by Agency during the Interim Period.

Section 3.2. Commencement Date

The Commencement Date will be the first day of the month after the month in which all schedules are accepted by DTMB and Agency; and ESCO has delivered the Notice to DTMB and Agency that it has installed and commenced operating all of the Equipment specified in **Schedule A - Equipment to be Installed by ESCO** and in accordance with the provisions of **Article 6 - Construction Schedule and Equipment Installation; Approval, Schedule G Construction and Installation Schedule** and **Schedule H - Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment**; and DTMB and Agency has inspected and accepted the installation and operation as evidenced by delivery to ESCO of the Certificate of Acceptance as required in **Exhibit II (ii) - Certificate of Acceptance—Installed Equipment**.



The Commencement Date will not occur and DTMB and the Agency will not be required to accept the Work until all Equipment installation for the Facility is completed by ESCO in accordance with the terms and conditions of this Contract. DTMB and Agency will have **30 days** after notification by the ESCO to inspect and accept the Equipment. DTMB and Agency reserve the right to reject the Equipment if installation fails to meet reasonable standards of workmanship, does not comply with applicable building codes, or is otherwise not in compliance with this Contract. ESCO will not be paid in full, including retainage, until the Equipment installation punch list is completed and ESCO has satisfied all claims for labor and materials and the Certificate of Acceptance has been signed by DTMB. The Certificate of Acceptance will not be unreasonably withheld by the DTMB and Agency.

Compensation payments to ESCO for on-going services and maintenance under this Contract as set forth in **Schedule D - Compensation to ESCO for Annual Services** will begin no earlier than **30 days** from the Commencement Date as defined herein.

Section 3.3. Term of Contract; Interim Period

Subject to the following sentence, the term of this Contract is **ten years** measured beginning with the Commencement Date. Nonetheless, the Contract is effective and binding upon the parties immediately upon its execution by DTMB, and the period from Contract execution until the Commencement Date shall be known as the "Interim Period". All energy savings achieved during the interim period will be fully credited to Agency.

DTMB and Agency reserve the right to discontinue the Measurement and Verification Monitoring by providing thirty (30) days written notice to ESCO prior to the beginning of the next annual guarantee period.

ARTICLE 4. SAVINGS GUARANTEE; ANNUAL RECONCILIATION; PAYMENTS TO ESCO

Section 4.1. Energy and Cost Savings Guarantee

ESCO has formulated and, subject to the adjustments provided for in **Article 17 Material Changes**, has guaranteed the annual level of energy and water cost savings to be achieved as a result of the installation and operation of the Equipment and provision of maintenance and services provided for in this Contract in accordance with the methods of savings measurement and verification as set forth in **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline**. The Energy and Cost Savings Guarantee is set forth in annual increments for the term of the Contract as specified in **Schedule C - Energy and Cost Savings Guarantee** and has been structured by the ESCO for the guaranteed amount to be sufficient to cover any and all annual payments required to be made by the Agency as set forth in **Schedule D - Compensation to ESCO for Annual Services** and **Schedule N - Financing Agreement and Payment Schedule**.

Section 4.2. Annual Review and Reimbursement/Reconciliation

Energy-related cost savings shall be measured and/or calculated as specified in **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline** and a report provided within **30 days** of the end of the year for the previous year for each anniversary of the Commencement Date.



In the event the Energy and Cost Savings achieved during such guarantee year are less than the Guaranteed Energy and Cost Savings as defined in **Schedule C – Energy and Cost Savings Guarantee**, ESCO shall pay the Agency an amount equal to the deficiency in cash.

The ESCO shall remit guarantee payments to Agency within **30 days** of written notice by the Agency of such monies due. DTMB and Agency are solely entitled to any excess savings. In no event will excess savings be used to refund ESCO's saving guarantees paid in prior years of the Contract.

Section 4.3. ESCO Compensation and Fees

ESCO has structured the Energy and Cost Savings Guarantee referred to in Section 4.1 above, to be sufficient to include all annual payments required to be made by DTMB and Agency in connection with third party financing of the Equipment set forth in **Schedule N - Financing Agreement and Payment Schedule**. Additionally, ESCO guarantees that the actual energy and operations savings achieved by Agency through the operation of Equipment and performance of services by ESCO will be sufficient to pay for all annual fees to be paid by Agency to ESCO for the provision of maintenance and services in accordance with the provisions of **Schedule D - Compensation to ESCO for Annual Services** and **Schedule J - ESCO's Maintenance Responsibilities**.

Section 4.4. Billing Information Procedure

Payments due to ESCO under Section 4.4 shall be in accordance with **Schedule N – Payment Schedule**.

- (i) By the **10th** day after receipt, Agency must provide ESCO with copies of all energy bills for the Facility which it has received for the preceding month;
- (ii) Upon receipt of the required information, ESCO must calculate the savings in accordance with the agreed-upon calculation formulae in **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline**.
- (iii) Based upon paragraphs (i) and (ii) above, ESCO must prepare and send to Agency a **quarterly** statement which must set forth for each **month** the amounts of the energy and operations dollar savings calculated in accordance with **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline** and for the services as provided for in **Schedule D - Compensation to ESCO for Annual Services**.

Section 4.5. Payment – Refer to Section 2.044 Invoicing and Payment – In General

Section 4.6. Effective Date of Payment Obligation

Notwithstanding the above provisions in Section 4, DTMB and Agency will not begin any payments to ESCO under this Contract until all Equipment installation is completed by ESCO in

accordance with the provisions of **Section 6 - Construction and Equipment Installation; Approval** and **Schedule H - Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment**, and accepted by Agency as evidenced by the signed Certificate of Acceptance as set forth in **Exhibit II (ii) - Certificate of Acceptance - Installed Equipment**, and until the Equipment is fully and properly functioning.



ARTICLE 5. FISCAL FUNDING - Refer to Section 2.154 Termination for Non-Appropriation

ARTICLE 6. CONSTRUCTION SCHEDULE AND EQUIPMENT INSTALLATION; APPROVAL

Section 6.1. Construction Schedule; Equipment Installation

Construction and equipment installation must proceed in accordance with the construction schedule approved by DTMB and Agency and attached as **Schedule G - Construction and Equipment Installation Schedule**.

All equipment/installation work associated with this Contract, such as construction contracts for installation of energy saving equipment, must comply with all applicable federal, state and local Laws including health and safety regulations, environmental protection, permits and licensing.

Section 6.2. Systems Startup and Equipment Commissioning

The ESCO must conduct a thorough and systematic performance test of each element and total system of the installed Equipment in accordance with the procedures specified in **Schedule H - Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment** and prior to acceptance of the project by DTMB and Agency as specified in **Exhibit II (ii) - Certificate of Acceptance – Installed Equipment**. Testing must be designed to determine if the Equipment is functioning in accordance with both its published specifications and the Schedules to this Contract, and to determine if modified building systems, subsystems or components are functioning properly within the new integrated environment. The ESCO must provide notice to DTMB and Agency of the scheduled test(s) and DTMB and Agency and/or its designees have the right to be present at all the tests conducted by ESCO and/or manufacturers of the Equipment. The ESCO is responsible for correcting and/or adjusting all deficiencies in systems and Equipment operations that may be observed during system commissioning procedures as specified in **Schedule H - Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment**. The Contractor is responsible for correcting and/or adjusting all deficiencies in Equipment operation that may be observed during system testing procedures. Prior to DTMB and Agency acceptance ESCO must also provide DTMB and Agency with reasonably satisfactory documentary evidence that the Equipment installed is the Equipment specified in **Schedule A - Equipment to be Installed by ESCO**.

ARTICLE 7. EQUIPMENT WARRANTIES - Refer to Section 2.120 Warranties

ESCO warrants that all equipment acquired and installed as part of this Contract is new, materially free from defects in materials or workmanship, will be installed properly in a good and workmanlike manner, and will function properly for a period of one (1) year from the date of the Substantial Completion for the particular energy conservation measure if operated and maintained in accordance with the procedures established per building. Substantial Completion shall be defined as the stage in the progress of the Work where the Work is sufficiently complete in accordance with the Contract Documents so that the Agency can utilize and take beneficial use of the Work for its intended use or purpose. Substantial Completion does not occur until the Equipment or system has been commissioned, accepted, and the "Substantial Completion" form fully executed.



After the warranty period, ESCO will have no responsibility for performing maintenance, repairs, or making manufacturer warranty claims relating to the Equipment, except as provided in **Schedule J - ESCO's Maintenance Responsibilities**.

ESCO further agrees to assign to DTMB or Agency all manufacturer's warranties relating to the Equipment and to deliver the written warranties, which must be attached and set forth as **Exhibit III - Equipment Warranties**; pursue rights and remedies against the manufacturers under the warranties in the event of Equipment malfunction or improper or defective function, and defects in parts, workmanship and performance. ESCO must, during the warranty period, notify DTMB and Agency whenever defects in Equipment parts or performance occur which give rise to warranty rights and remedies and those rights and remedies are exercised by ESCO. During the warranty period, the cost of any risk of damage or damage to the Equipment and its performance, including damage to property and equipment of the Agency, due to ESCO's failure to exercise its warranty rights obligations must be borne solely by ESCO.

All warranties, to the extent transferable, shall be transferable and extend to the Agency. The warranties must specify that only new, not reconditioned, parts may be used and installed when repair is necessitated by malfunction. All extended warranties must be addressed as the property of DTMB and Agency and appropriately documented and titled.

Nothing in the Equipment Warranties Section is to be construed as to excuse the ESCO from complying with its obligations to perform under all terms and conditions of this Contract.

ARTICLE 8. TRAINING BY ESCO

The ESCO must conduct the training program described in **Schedule M - ESCO's Training Responsibilities**. The training specified in **Schedule M - ESCO's Training Responsibilities** must be completed before acceptance of the Equipment installation. The ESCO must provide ongoing training with respect to updated or altered Equipment, including upgraded software. Ongoing training must be provided at no charge to the Agency and will have no effect on prior acceptance of Equipment installation.

ARTICLE 9. PERMITS AND APPROVALS; COORDINATION

Section 9.1. Permits and Approvals

Agency will use its best efforts to assist ESCO in obtaining all necessary permits and approvals for installation of the Equipment. The Agency, however, will not be responsible for payment of any permit fees. The Equipment and the operation of the Equipment by ESCO must at all times conform to all federal, state, and local code requirements. ESCO must furnish copies of each permit or license which is required to perform the Work to Agency before the ESCO commences the portion of the Work requiring the permit or license.

Section 9.2. Coordination During Installation

The Agency and ESCO must coordinate the activities of ESCO's Equipment installers with those of the Agency, its employees, and agents. ESCO must not commit or permit any act which will interfere with the performance of business activities conducted by the Agency or its employees without prior written approval of the Agency.



ARTICLE 10. PERFORMANCE BY ESCO**Section 10.1. Corrective Action; Accuracy of the Services**

ESCO must perform all tasks/phases under the Contract, including construction, and install the Equipment without causing harm to the structural integrity of the buildings or their operating systems and so as to conform to the standards specified in **Schedule I - Standards of Comfort** and the construction schedule specified in **Schedule G - Construction and Installation Schedule**. ESCO must repair and restore to its original condition any area of damage caused by ESCO's performance under this Contract. The Agency reserves the right to review the work performed by ESCO and to direct ESCO to take corrective action if, in the opinion of the DTMB and Agency, the structural integrity of the Facility or its operating system is or will be damaged. All costs associated with corrective action to damage caused by ESCO's performance of the work must be borne exclusively by ESCO.

ESCO is solely responsible for the professional and technical accuracy of all services performed, whether by the ESCO, its subcontractors, or others on its behalf, throughout the term of this Contract.

Section 10.2. Annual Reporting Requirements; Annual ENERGY STAR Rating

Within ninety (90) days of the end of each year during the guarantee period as specified in **Schedule C - Energy and Cost Savings Guarantee** the ESCO must complete and submit the data required in **Schedule R - Annual Reporting Requirements**. The ESCO shall provide an ENERGY STAR rating for each eligible facility for each year of the guarantee period if applicable.

ARTICLE 11: ENVIRONMENTAL REQUIREMENTS**Section 11.1. Excluded Material and Activities**

DTMB and Agency recognizes that with the installation and/or service or maintenance of Equipment at Agency's Facility ESCO may encounter, but is not responsible for, any work

relating to (i) asbestos, materials containing asbestos, or the existence, use, detection, removal, containment or treatment thereof, (ii) fungus (any type of form of fungi, including mold or mildew, and myotoxins, spores, scents or by-products produced or released by fungi), (iii) incomplete or damaged work or systems or code violations that may be discovered during or prior to the work of this agreement, or (iv) pollutants, hazardous wastes, hazardous materials, contaminants other than those described in this Section below (collectively "Hazardous Materials"), or the storage, handling, use, transportation, treatment, or the disposal, discharge, leakage, detection, removal, or containment thereof. The materials and activities listed in the foregoing sentence are referred to as "Excluded Materials and Activities". Agency agrees that if performance of work involves any Excluded Materials and Activities, Agency will perform or arrange for the performance of such work and will bear the sole risk and responsibility therefore. In the event ESCO discovers Hazardous or Excluded Materials, ESCO will immediately cease work, remove all ESCO personnel or subcontractors from the site, and notify DTMB and Agency. The Agency is be responsible to handle such Materials at its expense. ESCO will undertake no further work at the Facility except as authorized by the Agency in writing. Notwithstanding anything in this Contract to the contrary, any such event of discovery or



remediation by the Agency shall not constitute a default by DTMB and Agency. In the event of such stoppage of work by ESCO, the Time for Completion of Work will be automatically extended by the amount of time of the work stoppage and any additional costs incurred by ESCO as a result will be added by Change Order. In the event of discovery of Hazardous or Excluded Materials, the State can terminate this Contract.

ESCO is solely responsible for any hazardous or other materials, including, without limitation, those listed in this **Section 11.1** that it may bring to the Facility.

Section 11.2. Polychlorinated Biphenyl (PCB) Ballasts; Mercury Lamps

ESCO's is responsible for the proper and legal management in the disposal of all of the Facility's PCB ballasts removed as a result of the installation of the Equipment. ESCO must enter into a subcontract with an approved PCB ballast disposal ESCO who will provide an informational packet, packing receptacles and instructions, labels and shipping materials, transportation, and recycling or incineration services for PCB ballasts. All capacitors and asphalt potting compound materials removed from Facility's PCB ballasts must be incinerated in a federally approved facility. After proper disposal, a Certificate of Destruction must be provided by the approved facility to DTMB and Agency. ESCO will enter into a subcontract with an approved lamp disposal company who will provide approved containers, materials required to label, transportation, recycling or incineration in accordance with EPA requirements, and a copy of the manifest.

Agency agrees to sign manifests of ownership for all PCB ballasts and mercury lamps removed from the Facility.

ARTICLE 12. OWNERSHIP OF CERTAIN PROPRIETARY RIGHTS; EXISTING EQUIPMENT

Section 12.1. Ownership of Certain Proprietary Property Rights

Agency will not, by virtue of this Contract, acquire any interest in any formulas, patterns, devices, secret inventions or processes, copyrights, patents, other intellectual or proprietary rights, or similar items of property which are or may be used in connection with the Equipment. The ESCO must grant to the State of Michigan Agency a perpetual, irrevocable royalty-free license for any and all software or other intellectual property rights necessary for the Agency to continue to operate, maintain, and repair the Equipment in a manner that will yield guaranteed utility consumption reductions for the specified Contract term. ESCO will not be liable for providing new versions of software or other enhancements if or unless the new versions or enhancements are necessary to achieve the guaranteed utility consumption for the expected useful life of the Equipment.

Section 12.2. Ownership of Existing Equipment

Ownership of the equipment and materials presently at the Facility at the time of execution of this Contract remain the property of the Agency even if it is replaced or its operation made unnecessary by work performed by ESCO pursuant to this Contract The ESCO must notify the Agency in writing of all equipment and materials to be replaced at the Facility and the Agency must within **15 days** designate in writing to the ESCO the equipment and materials that must not be disposed of off-site by the ESCO. It is agreed to by both Parties that the Agency is responsible for designating the storage location for the equipment and materials not be



disposed of by ESCO. The ESCO is responsible for the disposal of all equipment and materials designated by the Agency as disposable off-site in accordance with all applicable laws and regulations for disposals.

ARTICLE 13. LOCATION AND ACCESS

ESCO acknowledges that there exists sufficient space at the Facility for the installation and operation of the Equipment. Agency must take reasonable steps to protect the Equipment from damage, theft, and misuse during the term of this Contract. Subject to Agency's security requirements, Agency must provide access to the Facility for ESCO to perform any function related to this Contract during regular business hours, or at other reasonable hours as may be requested by ESCO and acceptable to the Agency. ESCO must be granted immediate access to make emergency repairs or corrections as it may, in its discretion, determine are needed. The ESCO's access to the Facility to make emergency repairs or corrections must not be unreasonably restricted by the Agency, ESCO must immediately notify the Agency when emergency action is taken and follow up with written notice within three (3) business days specifying the action taken, the reasons for the action, and the impact to the Facility, if any.

ARTICLE 14. EQUIPMENT SERVICE

Section 14.1. Actions by ESCO

ESCO must provide all service, repairs, and adjustments to the Equipment pursuant to **Schedule J - ESCO's Maintenance Responsibilities**. Agency will incur no cost for Equipment service, repairs, and adjustments, except as set forth in **Schedule D - Compensation to ESCO for Annual Services**, provided, however, that if the need for maintenance or repairs principally arises due to the negligence or willful misconduct of the Agency or any employee or other agent of Agency, and ESCO can demonstrate such causal connection, ESCO may charge Agency for the actual cost of the maintenance or repair if cost is not covered by a warranty or insurance.

Section 14.2. Malfunctions and Emergencies

Agency will use its best efforts to notify the ESCO or its designated subcontractors within 24 hours after the Agency's actual knowledge and occurrence of: (i) any malfunction in the operation of the Equipment or any preexisting energy related equipment that might materially impact upon the guaranteed energy savings, (ii) any interruption or alteration to the energy supply to the Facility (iii) any alteration or modification in any energy-related equipment or its operation.

Where Agency exercises due diligence in attempting to assess the existence of a malfunction, interruption, or alteration it will be deemed not at fault in failing to correctly identify such conditions as having a material impact upon the guaranteed energy savings. Agency will notify ESCO within twenty-four (24) hours upon its having actual knowledge of any emergency condition affecting the Equipment. ESCO must respond or cause its designee(s) to respond within **24 hours** and must promptly proceed to institute corrective measures. Any telephonic notice of such conditions by Agency must be followed within three business days by written notice to ESCO from Agency. If Agency unreasonably delays in notifying ESCO of a malfunction or emergency, and the malfunction or emergency is not otherwise corrected or remedied, ESCO may charge Agency for its loss, due to the delay, associated with the guaranteed savings under this Contract for the particular time period, provided that ESCO is able to show the direct causal connection between the delay and the loss.



The ESCO must provide a written record of all service work performed to DTMB and Agency. . This record must state the reason for the service, description of the problem, and the corrective action performed.

Section 14.3. Actions by Agency

Agency must not move, remove, modify, alter, or change in any way the Equipment or any part thereof without the prior written approval of ESCO except as set forth in **Schedule K - Agency's Maintenance Responsibilities**. Agency may take reasonable steps to protect the Equipment if, due to an emergency, it is not possible or reasonable to notify ESCO before taking any actions. In the event of an emergency, Agency must take reasonable steps to protect the Equipment from damage and use its best efforts to reasonable follow the instructions for emergency action provided in advance by ESCO. Agency agrees to maintain the Facility in good repair and to protect and preserve all portions which may in any way affect the operation or maintenance of the Equipment.

ARTICLE 15. MODIFICATION, UPGRADE OR ALTERATION OF THE EQUIPMENT

Section 15.1. Modification of Equipment

During the term of this Contract, Agency will not, without the prior written consent of ESCO, affix or install any accessory Equipment or device on any of the Equipment if the addition will change or impair the originally intended functions, value, or use of the Equipment without ESCO's prior written approval, which shall not be unreasonably withheld.

Section 15.2. Upgrade or Alteration of Equipment

ESCO must at all times have the right, subject to Agency's prior written approval, which approval must not be unreasonably withheld and Third Party Financing Company's prior written

consent to modify, replace or make additions to the Equipment, revise any procedures for the operation of the Equipment or implement other energy saving actions in the Facility, provided that: (i) the ESCO complies with the standards of comfort and services set forth in **Schedule I – Standards of Comfort** herein; (ii) the modification or addition to, or replacement of the Equipment, and any operational changes, or new procedures are necessary to enable the ESCO to achieve the guaranteed energy and cost savings at the Facility and; (iii) all costs incurred relative to the modification, addition to or replacement of the Equipment, or operational changes or new procedures must be solely the responsibility of the ESCO.

All proposed modifications, additions or replacements of the Equipment or revisions to operating or other procedures must be described in a supplemental Schedule(s) to be provided to the DTMB and Agency for approval, which may not be unreasonably withheld, provided that any replacement of the Equipment must, unless otherwise agreed, be new and have equal or better potential to reduce energy consumption at the Facility than the Equipment being replaced. The ESCO must have the right to update all software used in connection with the Equipment in accordance with **Section 12.1 Ownership of Certain Proprietary Rights** and **Schedule J - ESCO's Maintenance Responsibilities**. All replacements of and alterations or additions to the Equipment must become part the Equipment described in **Schedule A - Equipment to be Installed by ESCO** and must be covered by terms of **Section 6 - Construction Schedule and Equipment Installation; Approval**.



ARTICLE 16. STANDARDS OF COMFORT

ESCO must maintain and operate the Equipment in a manner which will provide the standards of heating, cooling, ventilation, hot water supply, and lighting quality and levels required in **Schedule I - Standards of Comfort**. During the term of this Contract, ESCO and Agency will maintain, according to **Schedule J - ESCO's Maintenance Responsibilities** and **Schedule K - Agency's Maintenance Responsibilities**, and operate the Equipment in a manner that will provide the standards of comfort and levels of operation in **Schedule I - Standards of Comfort**.

ARTICLE 17. MATERIAL CHANGES

Section 17.1. Material Change Defined

A Material Change will include any change in or to the Facility, whether structural, operational or otherwise in nature which reasonably could be expected, in the judgment of the DTMB and Agency, to increase or decrease annual energy consumption in accordance with the provisions and procedures in **Schedule E - Baseline Energy Consumption** and **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline** by at least **2%** after adjustments for climatic variations. Actions by the Agency which may result in a Material Change include but are not limited to the following:

- (i) manner of use of the Facility by the Agency; or
- (ii) hours of operation for the Facility or for any equipment or energy using systems operating at the Facility; or
- (iii) Permanent changes in the comfort and service parameters set forth in **Schedule I - Standards of Comfort**; or
- (iv) occupancy of the Facility; or
- (v) structure of the Facility; or
- (vi) types and quantities of equipment used at the Facility or
- (vii) modification, renovation or construction at the Facility; or
- (viii) the Agency's failure to provide maintenance of and repairs to the Equipment in accordance with **Schedule K - Agency's Maintenance Responsibilities**; or
- (ix) any other conditions other than climate affecting energy use at the Facility including but not limited to the replacement, addition or removal of energy and water consuming devices whether plug in or fixed assets,
- (x) casualty or condemnation of the Facility or Equipment, or
- (xi) changes in utility provider or utility rate classification, or
- (xii) any other conditions other than climate affecting energy or water use at the Facility.
- (xiii) Modifications, alterations or overrides of the energy management system schedules or hours of operation, set back/start up or holiday schedules.

Section 17.2. Reported Material Changes; Notice by Agency

The Agency must use its best efforts to deliver to the ESCO a written notice describing all actual or proposed Material Changes in the Facility or in the operations of the Facility at least **15 days** before any actual or proposed Material Change is implemented or as soon as is practicable after an emergency or other unplanned event. Notice to the ESCO of Material Changes which result because of a bona fide emergency or other situation which precludes advance notification will be deemed sufficient if given by the Agency within **48 hours** after having actual knowledge



that the event constituting the Material Change occurred or was discovered by the Agency to have occurred.

Section 17.3. Other Adjustments

As agreed in Section 17.1 Agency will notify ESCO of Materials Changes as known. Both Parties have a vested interest in meeting the guaranteed savings of the Contract. As such, the ESCO will work with DTMB and Agency to investigate, identify and correct any changes that prevent the guaranteed savings from being realized. As a result of any investigation, ESCO, DTMB and Agency must determine what, if any, adjustments to the baseline must be made in accordance with the provisions set forth in **Schedule F - Savings Measurement and Verification Plan; Methodology to Adjust Baseline** and **Schedule E - Baseline Energy Consumption**. Any disputes between the Agency and the ESCO concerning any such adjustment shall be resolved in accordance with the provisions of **Schedule O - Alternative Dispute Resolution Procedures (Refer to Section 2.190 Dispute Resolution)** hereto.

- ARTICLE 18. PROPERTY/CASUALTY/INSURANCE; INDEMNIFICATION - Refer to Section 2.130 Insurance**
- ARTICLE 19. CONDITIONS BEYOND CONTROL OF THE PARTIES - Refer to Section 2.244 Excusable Failure**
- ARTICLE 20. EVENTS OF DEFAULT - Refer to Section 2.150 Termination/Cancellation**
- ARTICLE 21. REMEDIES UPON DEFAULT - Refer to Section 2.150 Termination/Cancellation**
- ARTICLE 22. ASSIGNMENT - Refer to Section 2.029 Assignments**
- ARTICLE 23. REPRESENTATIONS AND WARRANTIES – Refer to Section 2.120 Warranties**
- ARTICLE 24. ADDITIONAL REPRESENTATIONS OF THE PARTIES**

Agency hereby, represents that:

- (i) it has provided or will provide timely to ESCO, all records relating to energy usage and energy-related maintenance of Facility requested by ESCO and the information provided is, and all information in other records to be subsequently provided pursuant to this Contract will be true and accurate in all material respects; and
- (ii) it has not entered into any leases, contracts or Contracts with other persons or entities regarding the leasing of energy efficiency equipment or the provision of energy management services for the Facility or with regard to servicing any of the energy related equipment located in the Facility. Agency will provide ESCO with copies of any successor or additional leases of energy efficiency equipment and contracts for management or servicing of preexisting equipment at Facility which may be later executed within **14 days** after execution.



ESCO hereby warrants, represents and promises that:

- (i) before commencing performance of this Contract:
 - (a) it is licensed or otherwise authorized to do business in the State of Michigan.
 - (b) it has provided proof and documentation of all insurance and bonds required for this Contract;
- (ii) it will make available, upon request, all documents relating to its performance under this Contract, including all contracts and subcontracts entered into;
- (iii) it will use qualified subcontractors who are qualified, licensed and bonded in Michigan to perform the subcontracted work pursuant to the terms of this Contract. hereof;
- (iv) The Equipment will meet or exceed the requirements set forth in **Section 6.2 - Systems Start Up and Equipment Commissioning** and in
- (v) **Schedule H - Systems Start-Up and Commissioning of Equipment; Operating Parameters of Installed Equipment.**
- (vi) The Equipment is or will be compatible with all other Facility mechanical and electrical systems, subsystems, or components with which the Equipment interacts, and that, as installed, neither the Equipment nor such other systems, subsystems, or components will materially adversely affect each other as a direct or indirect result of Equipment installation or operation;
- (vii) that it is financially solvent, able to pay its debts as they mature and possessed of sufficient working capital to complete the Work and perform its obligations under this Contract.

ARTICLE 25. MICELLANEOUS DOCUMENTATION PROVISIONS

Section 25.1. Waiver of Liens, Construction Performance and Payment Bonds, Labor and Material Payment Bonds

All required bonds are incorporated into this Contract by reference as **Exhibit I - Performance Bond** and **Exhibit II - Labor and Material Payment Bond, if applicable.**

Section 25.2. Further Documents

The parties must execute and deliver all documents and perform all further acts that may be reasonably necessary to effectuate the provisions of this Contract.

Section 25.3 Agency's Responsibilities

(a) Methods of Operation by Agency

The Parties acknowledge and agree that the projected Energy and Water Cost Savings may not be obtained if certain procedures and methods of operation designed for energy and water conservation are not implemented, and followed by Agency on a regular and continuous basis.



(b) Agency's Maintenance Responsibilities

Agency agrees that it will adhere to, follow, and implement the energy conservation procedures and methods of operation agreed to by the Parties and set forth in **Schedule K - Agency Maintenance Responsibilities**.

(c) Inspection of Facility

ESCO will have the right once a month, with prior notice, to inspect Facility to determine if Agency is in compliance with its obligations as set forth in **Section 25.3(b)**. For the purpose of determining Agency's compliance, the checklist forth at **Schedule L - Facility Maintenance Checklist** as completed and recorded by ESCO during its monthly inspections, must be used to measure and record Agency's compliance. Agency will make the Facility available to ESCO for and during each monthly inspection, and will have the right to witness each inspection and ESCO's recordation on the checklist. Agency may complete its own checklist at the same time. ESCO agrees to not interfere with the Agency's operations during the monthly inspections.

Section 25.4. Waiver Of Liens

ESCO must obtain and furnish to DTMB and Agency a Waiver of Liens from each vendor, material manufacturer and laborer in the supply, installation, and servicing of each piece of Equipment.

ARTICLE 26: CONFLICTS OF INTEREST

Section 26.1 Conflicts of Interest - Refer to Section 2.035 Future Bidding Preclusion, Certifications and Representations Section 3.2 Ethics: Gratuities and Influence and 3.3 RFP Preparation

ARTICLE 27. COMPLETE CONTRACT - Refer to Section 2.004 Attachments & Exhibits, Section 2.021 Issuing Office

ARTICLE 28. APPLICABLE LAW - Refer to Section 2.210 Governing Law

ARTICLE 29. INTERPRETATION OF CONTRACT - Refer to Section 2.190 Dispute Resolution

ARTICLE 30. NOTICE - Refer to Section 2.025 Notices

ARTICLE 31. STATUTORY OBLIGATIONS

This Contract may be cancelled by DTMB provided ESCO is notified in writing at least thirty (30) business days prior to the effective date of cancellation and any of the following occur: (a) ESCO or any subcontractor, manufacturer, or supplier of ESCO appears in the register compiled by the Michigan Department of Labor pursuant to 1980 PA 278, as amended, MCL 423.321 et seq. (Employers Engaging in Unfair Labor Practices Act); (b) ESCO or any subcontractor, manufacturer, or supplier of Lessor is found liable for discrimination, pursuant to 1976 PA 453, as amended, MCL 37.2101 et seq (Elliott-Larsen Civil Rights Act) or 1976 PA 220, as amended, MCL 37.1101 et seq (Persons With Disabilities Civil Rights Act).



Nondiscrimination. ESCO shall comply with the Elliott-Larsen Civil Rights Act, 1976 PA 453, as amended, MCL 37.2101 et seq. and the Persons With Disabilities Civil Rights Act, 1976 PA 220, as amended, MCL 37.1101 et seq. (Persons With Disabilities Civil Rights Act), and all other federal, state and local fair employment practices and equal opportunity laws, and covenants that it shall not discriminate against any employee or applicant for employment, to be employed in the performance of this contract, with respect to his or her hire, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment because of his or her race, religion, color, national origin, age, sex, height, weight, marital status, or physical or mental disability that is unrelated to the individual's ability to perform the duties of a particular job or position. ESCO agrees to include in every subcontract entered into for the performance of this contract this covenant not to discriminate in employment. A breach of this covenant is a material breach of this Contract.



CONTRACT ATTACHMENT I: Schedules, Exhibits, and Appendices

SCHEDULE A. EQUIPMENT TO BE INSTALLED BY ESCO

- 1) Mechanical Equipment Schedule**
- 2) Lighting Equipment Schedule**
- 3) Water Conservation Equipment Schedule**

1) Mechanical Equipment Schedule:

ITEM	BUILDING	ROOM	NO. OF UNITS	MODEL NUMBER
RADIANT PANEL	CELL BLOCK 10	GUARDS WALKWAY	152	RUNTAL R-8 (9' PANEL)
RADIANT PANEL	CELL BLOCK 10	GUARDS WALKWAY	16	RUNTAL R-8 (12' PANEL)
RADIANT PANEL	CELL BLOCK 10	GUARDS WALKWAY	12	RUNTAL R-8 (13' PANEL)
AIR HANDLING UNIT	CELL BLOCK 10	ROOF	1	TRANE TSCX-1
AHU HEATING COIL CIRULATING PUMP (P-10, P-11)	CELL BLOCK 10	ATTIC	2	BELL & GOSSETT SERIES 90 SIZE 2AA
RADIANT PANEL	CELL BLOCK 9	GUARDS WALKWAY	136	RUNTAL R-8 (9' PANEL)
RADIANT PANEL	CELL BLOCK 9	GUARDS WALKWAY	16	RUNTAL R-8 (12' PANEL)
RADIANT PANEL	CELL BLOCK 9	GUARDS WALKWAY	12	RUNTAL R-8 (13' PANEL)
AIR HANDLING UNIT	CELL BLOCK 9	ROOF	1	TRANE TSCX-1
AHU HEATING COIL CIRULATING PUMP (P-12, P-13)	CELL BLOCK 9	ATTIC	2	BELL & GOSSETT SERIES 90 SIZE 2AA
GAS FIRED CONDENSING BOILER	CELL BLOCK 8	BASE LEVEL MECH ROOM	2	Aerco BMK-3.0 GWB
SYSTEM PUMP (P-1,2,3)	CELL BLOCK 8	BASE LEVEL MECH ROOM	3	BELL & GOSSETT SERIES 1510 SIZE 2-1/2AB
HYDRONIC UNIT HEATER	CELL BLOCK 8	BASE LEVEL MECH ROOM	1	TRANE UHSA042-S
HYDRONIC UNIT HEATER	CELL BLOCK 8	BASE LEVEL MECH ROOM	6	TRANE UHSA354-S
DOMESTIC WATER HEATER	CELL BLOCK 8	BASE LEVEL MECH ROOM	2	LOCHINVAR CFN2071PM
DOMESTIC WATER HEATER TANK	CELL BLOCK 8	BASE LEVEL MECH ROOM	2	LOCHINVAR RGA0432
DOMESTIC WATER HEATER RETURN PUMP (P-9)	CELL BLOCK 8	BASE LEVEL MECH ROOM	1	BELL & GOSSETT PL36
WATER METER	CELL BLOCK 8	BASE LEVEL MECH ROOM	1	DYNASONIC DTFXL-2-H



ITEM	BUILDING	ROOM	NO. OF UNITS	MODEL NUMBER
DOMESTIC WATER HEATER	BUILDING 16	BOILER ROOM	1	LOCHINVAR CFN0991PM
GAS FIRED UNIT HEATER	BUILDNG 29	1ST FLOOR	4	TRANE GKND-022
GAS FIRED UNIT HEATER	BUILDNG 31	1ST FLOOR	14	TRANE GKND-022
GAS FIRED UNIT HEATER	BUILDNG 31	2ND FLOOR	14	TRANE GKND-022
GAS FIRED UNIT HEATER	BUILDNG 32	BASEMENT	18	TRANE GKND-012
GAS FIRED UNIT HEATER	BUILDNG 32	1ST FLOOR	18	TRANE GKND-020
GAS FIRED UNIT HEATER	BUILDNG 32	2ND FLOOR	18	TRANE GKND-020
GAS FIRED INFRARED HEATER	BUILDNG 71	WORK AREA	6	SUPERIOR RADIANT PRODUCTS UX-125 (30 FT.)
GAS FIRED INFRARED HEATER	BUILDNG 71	WORK AREA	1	SUPERIOR RADIANT PRODUCTS UX-40 (10 FT.)
GAS FIRED INFRARED HEATER	BUILDNG 71	WASH BAY	1	SUPERIOR RADIANT PRODUCTS UXR-60 (20 FT.)
GAS FIRED CONDENSING BOILER	BUILDING 74	BREAK ROOM	1	LOCHINVAR KBN400
INDIRECT FIRE NATURAL GAS MAKE UP AIR HANDLING UNIT	BUILDING 79	DINING ROOM	2	RAPID 8-318-1000
GAS FIRED UNIT HEATER	BUILDNG 79	PAPER GOODS STORAGE	1	MODINE HOT DAWG HDS-60
GAS FIRED UNIT HEATER	BUILDNG 79	STAFF WORK AREA	1	MODINE HOT DAWG HDS-45
GAS FIRED UNIT HEATER	BUILDNG 79	DOCK ENTRY	1	MODINE HOT DAWG HDS-100
EXHAUST FAN	BUILDING 79	DINING ROOM	1	GREENHECK RBE-H54-30
DOMESTIC WATER HEATER	BUILDING 79	MECH ROOM	1	LOCHINVAR CFN401PM
GAS FIRED UNIT HEATER	BUILDNG 80	EAST OVERHEAD DOOR TO PROCESS CREAMERY AREA	1	TRANE GKND-010
GAS FIRED UNIT HEATER	BUILDNG 80	WEST OVERHEAD DOOR	1	TRANE GKND-010
GAS FIRED UNIT HEATER	BUILDNG 80	WEST OVERHEAD DOOR	5	TRANE GKND-012
GAS FIRED RTU WITH DX COOLING	BUILDNG 80	ROOF	1	TRANE YCD211
GAS FIRED UNIT HEATER	BUILDNG 213	GARAGE	4	TRANE GKND-010



2) Lighting Equipment Schedule:

1		H1	42	460.00	3,640	70,324.80	R4	42	234.00	35,773.92	34,550.88	
	Description	Description					Description					
	WAREHOUS E	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (4) T5 HO LAMPS, (1) T5 ELECTRONIC BALLAST					
2		H1	10	460.00	3,640	16,744.00	R4O	10	117.00	4,258.80	12,485.20	
	Description	Description					Description					
	WAREHOUS E	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (4) T5 HO LAMPS, (1) T5 ELECTRONIC BALLAST INTEGRAL OCCUPANCY SENSOR					
3		H1	8	460.00	8,760	32,236.80	R4	8	234.00	16,398.72	15,838.08	
	Description	Description					Description					
	WAREHOUS E	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (4) T5 HO LAMPS, (1) T5 ELECTRONIC BALLAST					
4		I1E	3	74.00	8,760	1,944.72	B2.1	3	42.00	1,103.76	840.96	
	Description	Description					Description					
	MEZZ	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4.1		I1E	5	74.00	500	185.00	B2.1	5	42.00	105.00	80.00	
	Description	Description					Description					
	MEZZ	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		T5RP	1	89.00	8,760	779.64	L3	1	77.00	674.52	105.12	
	Description	Description					Description					
	DRIVERS ROOM	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
6		T5RP	3	89.00	1,000	267.00	L3	3	77.00	231.00	36.00	
	Description	Description					Description					
	DRIVERS ROOM	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
7		T5RP	8	89.00	1,500	1,068.00	L3	8	77.00	924.00	144.00	
	Description	Description					Description					
	LOUNGE	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
8		T5RP	2	89.00	500	89.00	L3	2	77.00	77.00	12.00	
	Description	Description					Description					
	STORAGE	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
9		I1R	1	60.00	500	30.00	L2	1	52.00	26.00	4.00	
	Description	Description					Description					
	CUST	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
10		S2R	1	60.00	3,640	218.40	L2	1	52.00	189.28	29.12	
	Description	Description					Description					
	PRISONER REST	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
11		S2R	1	60.00	2,000	120.00	L2	1	52.00	104.00	16.00	
	Description	Description					Description					
	REST	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
12		T5RP	4	89.00	1,500	534.00	L3	4	77.00	462.00	72.00	
	Description	Description					Description					
	OFFICES	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
13		T5RP	9	89.00	3,640	2,915.64	L3	9	77.00	2,522.52	393.12	
	Description	Description					Description					
	SHOP OFFICE	2X4 RECESSED TROFFER WITH (3) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, 18 CELL PARABOLIC LOUVER					RELAMP EXISTING FIXTURE W/ (3) F28T8 LAMPS					
16		H1	4	460.00	4,380	8,059.20	V60A	4	22.00	385.44	7,673.76	
	Description	Description					Description					
	OUTSIDE STORAGE	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR					



1		I1R	4	60.00	500	120.00	L2	4	52.00	104.00	16.00	
	Description	Description					Description					
	MECH	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
2		I1R	24	60.00	5,000	7,200.00	B4T	12	84.00	5,040.00	2,160.00	
	Description	Description					Description					
	T.V. ROOMS	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		S1R	12	32.00	8,760	3,363.84	L1.1	12	28.00	2,943.36	420.48	
	Description	Description					Description					
	CELL ROOMS	4' SURFACE STRIP W/ (1) F32T8 LAMP AND (1) ELECTRONIC BALLAST, NO LENS					CLEAN FIXTURE LENS AND RELAMP W/ (1) F28T8 LAMP					
4		W1R	28	60.00	5,000	8,400.00	B2	28	42.00	5,880.00	2,520.00	
	Description	Description					Description					
	CELL ROOMS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		BD2	80	60.00	2,000	9,600.00	L2.1	80	52.00	8,320.00	1,280.00	
	Description	Description					Description					
	CELL ROOMS	BEDLIGHT WITH (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
6		W1R	12	60.00	4,000	2,880.00	B2	12	42.00	2,016.00	864.00	
	Description	Description					Description					
	OFFICES	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7		W1R	16	60.00	8,760	8,409.60	B2	16	42.00	5,886.72	2,522.88	
	Description	Description					Description					
	HALLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		W1R	28	60.00	8,760	14,716.80	B4T	14	84.00	10,301.76	4,415.04	
	Description	Description					Description					
	HALLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		W1R	20	60.00	8,760	10,512.00	B2	20	42.00	7,358.40	3,153.60	
	Description	Description					Description					
	RESTS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
10		I1R	4	60.00	1,000	240.00	L2	4	52.00	208.00	32.00	
	Description	Description					Description					
	CUST / STORAGE	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
11		W1R	4	60.00	2,000	480.00	L2	4	52.00	416.00	64.00	
	Description	Description					Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
12		C2	15	100.00	100	150.00	F3.1	15	27.00	40.50	109.50	
	Description	Description					Description					
	ATTIC	100 WATT INCANDESCENT					26 WATT COMPACT FLUORESCENT LAMP					
1		I1R	4	60.00	500	120.00	L2	4	52.00	104.00	16.00	
	Description	Description					Description					
	MECH	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
2		I1R	24	60.00	5,000	7,200.00	B4T	12	84.00	5,040.00	2,160.00	
	Description	Description					Description					
	T.V. ROOMS	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		S1R	12	32.00	8,760	3,363.84	L1.1	12	28.00	2,943.36	420.48	
	Description	Description					Description					
	CELL AREAS	4' SURFACE STRIP W/ (1) F32T8 LAMP AND (1) ELECTRONIC BALLAST, NO LENS					CLEAN FIXTURE LENS AND RELAMP W/ (1) F28T8 LAMP					
4		W1R	28	60.00	5,000	8,400.00	B2	28	42.00	5,880.00	2,520.00	
	Description	Description					Description					
	CELL AREAS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



5		BD2	80	60.00	2,000	9,600.00	L2.1	80	52.00	8,320.00	1,280.00
	Description	Description					Description				
	CELL AREAS	BEDLIGHT WITH (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
6		W1R	12	60.00	4,000	2,880.00	B2	12	42.00	2,016.00	864.00
	Description	Description					Description				
	OFFICES	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
7		W1R	16	60.00	8,760	8,409.60	B2	16	42.00	5,886.72	2,522.88
	Description	Description					Description				
	HALLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
8		W1R	28	60.00	8,760	14,716.80	B4T	14	84.00	10,301.76	4,415.04
	Description	Description					Description				
	HALLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
9		W1R	20	60.00	8,760	10,512.00	B2	20	42.00	7,358.40	3,153.60
	Description	Description					Description				
	RESTS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
10		I1R	4	60.00	1,000	240.00	L2	4	52.00	208.00	32.00
	Description	Description					Description				
	CUST / STORAGE	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
11		W1R	4	60.00	2,000	480.00	L2	4	52.00	416.00	64.00
	Description	Description					Description				
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
12		C2	15	100.00	100	150.00	F3.1	15	27.00	40.50	109.50
	Description	Description					Description				
	ATTIC	100 WATT INCANDESCENT					26 WATT COMPACT FLUORESCENT LAMP				
2		W4R	2	112.00	8,760	1,962.24	B4	2	84.00	1,471.68	490.56
	Description	Description					Description				
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
2.1		W4R	22	112.00	4,368	10,762.75	B4	22	84.00	8,072.06	2,690.69
	Description	Description					Description				
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
3		W4R	12	112.00	4,368	5,870.59	B4	12	84.00	4,402.94	1,467.65
	Description	Description					Description				
	LIBRARY	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
4		W4R	3	112.00	2,000	672.00	B4	3	84.00	504.00	168.00
	Description	Description					Description				
	OFFICE	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
5		W1R	4	60.00	2,000	480.00	B4T	2	84.00	336.00	144.00
	Description	Description					Description				
	STUDY ROOMS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		W1E	15	74.00	3,500	3,885.00	B2	15	42.00	2,205.00	1,680.00
	Description	Description					Description				
	LIBRARY	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
7		W1R	7	60.00	3,500	1,470.00	B2	7	42.00	1,029.00	441.00
	Description	Description					Description				
	LIBRARY	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
8		S2R	2	60.00	3,500	420.00	B4TS	1	84.00	294.00	126.00
	Description	Description					Description				
	LIBRARY	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, SHATTER TUBE GUARDS				



9	S2E	6	74.00	3,500	1,554.00	B4TS	3	84.00	882.00	672.00
Description	Description					Description				
LIBRARY	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, SHATTER TUBE GUARDS				
10	W1E	2	74.00	1,500	222.00	B2	2	42.00	126.00	96.00
Description	Description					Description				
STAFF REST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
11	V2R	1	60.00	4,368	262.08	B2	1	42.00	183.46	78.62
Description	Description					Description				
PRISONER REST	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
12	W1E	4	74.00	1,000	296.00	B2	4	42.00	168.00	128.00
Description	Description					Description				
CUSTS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13	W1R	4	60.00	2,000	480.00	B2	4	42.00	336.00	144.00
Description	Description					Description				
OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
14	W1R	8	60.00	3,500	1,680.00	B2	8	42.00	1,176.00	504.00
Description	Description					Description				
CLASS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15	W1E	2	74.00	8,760	1,296.48	B2	2	42.00	735.84	560.64
Description	Description					Description				
CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15.1	W1E	12	74.00	3,500	3,108.00	B2	12	42.00	1,764.00	1,344.00
Description	Description					Description				
CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16	S2R	2	60.00	4,368	524.16	B4TS	1	84.00	366.91	157.25
Description	Description					Description				
HALL	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, SHATTER TUBE GUARDS				
17	W1R	2	60.00	8,760	1,051.20	B2	2	42.00	735.84	315.36
Description	Description					Description				
HALL	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
17.1	W1R	2	60.00	4,368	524.16	B2	2	42.00	366.91	157.25
Description	Description					Description				
HALL	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18	S2E	8	74.00	2,000	1,184.00	B4TS	4	84.00	672.00	512.00
Description	Description					Description				
OFFICES	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, SHATTER TUBE GUARDS				
19	W1R	1	60.00	2,000	120.00	B2	1	42.00	84.00	36.00
Description	Description					Description				
OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
20	W4E	3	148.00	8,760	3,889.44	B2Y	3	65.00	1,708.20	2,181.24
Description	Description					Description				
BARBER SHOP	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
21	W4E	5	148.00	2,000	1,480.00	B2Y	5	65.00	650.00	830.00
Description	Description					Description				
BARBER SHOP	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				



22		V2E	6	74.00	8,760	3,889.44	B2	6	42.00	2,207.52	1,681.92
	Description	Description				Description					
	HOBBY CRAFT	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
23		V2E	34	74.00	3,500	8,806.00	B2	34	42.00	4,998.00	3,808.00
	Description	Description				Description					
	HOBBY CRAFT	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
24		V2E	4	74.00	3,500	1,036.00	B4T	2	84.00	588.00	448.00
	Description	Description				Description					
	OFFICE	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
25		V2E	2	74.00	4,368	646.46	B2	2	42.00	366.91	279.55
	Description	Description				Description					
	RESTS	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
26		S2E	4	74.00	500	148.00	B4T.1	2	84.00	84.00	64.00
	Description	Description				Description					
	MECH	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
29		X1	3	40.00	8,760	1,051.20	X1	3	2.00	52.56	998.64
	Description	Description				Description					
	EXIT	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS				REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP					
30		X1	3	40.00	8,760	1,051.20	X2	3	2.00	52.56	998.64
	Description	Description				Description					
	EXIT	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS				REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS					
1		X1	1	40.00	8,760	350.40	X2	1	2.00	17.52	332.88
	Description	Description				Description					
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS				REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS					
2		T1	12	160.00	2,000	3,840.00	A1	12	48.00	1,152.00	2,688.00
	Description	Description				Description					
	CLASS	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		T1	12	160.00	2,000	3,840.00	A1	12	48.00	1,152.00	2,688.00
	Description	Description				Description					
	CLASS	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		T1	2	160.00	2,000	640.00	A1	2	48.00	192.00	448.00
	Description	Description				Description					
	HALL	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		T1R	1	112.00	8,760	981.12	A1Y	1	65.00	569.40	411.72
	Description	Description				Description					
	REST	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
6		T1	2	160.00	1,800	576.00	A1	2	48.00	172.80	403.20
	Description	Description				Description					
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1		T1	2	160.00	2,000	640.00	A1	2	48.00	192.00	448.00
	Description	Description				Description					
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



2		T1	3	160.00	2,500	1,200.00	A1	3	48.00	360.00	840.00
	Description	Description					Description				
	OPEN OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
3		T1	7	160.00	2,500	2,800.00	A1	7	48.00	840.00	1,960.00
	Description	Description					Description				
	CONF	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
4		C1	1	60.00	1,500	90.00	F2	1	20.00	30.00	60.00
	Description	Description					Description				
	REST	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP				
5		T1	1	160.00	2,500	400.00	A1	1	48.00	120.00	280.00
	Description	Description					Description				
	SUPPLIES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
1		H6	15	300.00	6,000	27,000.00	R3	15	174.00	15,660.00	11,340.00
	Description	Description					Description				
	GYM	250 WATT METAL HALIDE HIGH BAY FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (3) F54T5 HO LAMPS, (1) ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE				
2		W2	1	80.00	8,760	700.80	W1	1	25.00	219.00	481.80
	Description	Description					Description				
	ENTRANCE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ICE-TRAY LENS					REPLACEMENT W/ 4' WRAP W/ INTEGRAL SPECULAR REFLECTOR, (1) F28T8 LAMP, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST, ACRYLIC LENS				
3		W2	2	80.00	6,000	960.00	W1	2	25.00	300.00	660.00
	Description	Description					Description				
	RESTROOMS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ICE-TRAY LENS					REPLACEMENT W/ 4' WRAP W/ INTEGRAL SPECULAR REFLECTOR, (1) F28T8 LAMP, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST, ACRYLIC LENS				
4		W2	4	80.00	6,000	1,920.00	W2	2	48.00	576.00	1,344.00
	Description	Description					Description				
	RESTROOMS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ICE-TRAY LENS					REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR REFLECTOR, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST, ACRYLIC LENS				
5		W1E	1	74.00	2,000	148.00	B2	1	42.00	84.00	64.00
	Description	Description					Description				
	STAFF REST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		S2	1	80.00	1,000	80.00	B2	1	42.00	42.00	38.00
	Description	Description					Description				
	CUST	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
7		S2	2	80.00	500	80.00	B4T	1	84.00	42.00	38.00
	Description	Description					Description				
	MECH	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
8		S2	1	80.00	500	40.00	B2	1	42.00	21.00	19.00
	Description	Description					Description				
	MECH	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
9		W4I	13	160.00	4,000	8,320.00	W2Y	7	65.00	1,820.00	6,500.00
	Description	Description					Description				
	OFFICE	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ICE TRAY LENS					REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR SILVER REFLECTOR, (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, ACRYLIC WRAP LENS				
10		W4I	2	160.00	8,760	2,803.20	W2Y	5	65.00	2,847.00	-43.80
	Description	Description					Description				
	WEIGHTROOM	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ICE TRAY LENS					REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR SILVER REFLECTOR, (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, ACRYLIC WRAP LENS				



11	W4I	19	160.00	3,000	9,120.00	W2Y	6	65.00	1,170.00	7,950.00
Description	Description				Description					
WEIGHTR OM	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ICE TRAY LENS				REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR SILVER REFLECTOR, (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, ACRYLIC WRAP LENS					
12	S2	8	80.00	4,000	2,560.00	B4T	4	84.00	1,344.00	1,216.00
Description	Description				Description					
MUSIC ROOM	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1	T2R	3	60.00	7,000	1,260.00	L2	3	52.00	1,092.00	168.00
Description	Description				Description					
HALLWAY	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
2	S4R	4	60.00	4,000	960.00	L2	4	52.00	832.00	128.00
Description	Description				Description					
RESTS	8' STRIP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
3	C1	3	60.00	4,000	720.00	F3	3	27.00	324.00	396.00
Description	Description				Description					
STORAGE / ENTRANCE	60 WATT INCANDESCENT				26 WATT COMPACT FLUORESCENT LAMP					
4	W1R	2	60.00	2,000	240.00	L2	2	52.00	208.00	32.00
Description	Description				Description					
OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
5	W1R	4	60.00	2,000	480.00	L2	4	52.00	416.00	64.00
Description	Description				Description					
OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
6	S4R	1	60.00	4,000	240.00	L2	1	52.00	208.00	32.00
Description	Description				Description					
REST	8' STRIP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
7	C1	2	60.00	4,000	480.00	F1	2	15.00	120.00	360.00
Description	Description				Description					
REST	60 WATT INCANDESCENT				15 WATT COMPACT FLUORESCENT LAMP					
8	I6R	25	160.00	8,760	35,040.00	L24	25	160.00	35,040.00	0.00
Description	Description				Description					
POWER PLANT	8' INDUSTRIAL W/ (2) 86 WATT F96/T8 HO LAMPS, (1) ELECTRONIC BALLAST				LEAVE ALONE					
9	H6	3	300.00	4,000	3,600.00	R4Y	3	127.00	1,524.00	2,076.00
Description	Description				Description					
FILTER ROOM	250 WATT METAL HALIDE HIGH BAY FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE					
10	H6	1	300.00	8,760	2,628.00	R4Y	1	127.00	1,112.52	1,515.48
Description	Description				Description					
FILTER ROOM	250 WATT METAL HALIDE HIGH BAY FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE					
11	I1R	2	60.00	8,760	1,051.20	L2	2	52.00	911.04	140.16
Description	Description				Description					
SWITCH GEAR	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
12	I1R	15	60.00	500	450.00	L2	15	52.00	390.00	60.00
Description	Description				Description					
SWITCH GEAR	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
13	V6R	8	160.00	8,760	11,212.80	L24	8	160.00	11,212.80	0.00
Description	Description				Description					
POWER PLANT	8' VAPORTIGHT STRIP W/ (2) 86 WATT F96/T8/HO LAMPS, (1) ELECTRIC BALLAST, VAPOR TIGHT LENS				LEAVE ALONE					
14	I6R	1	160.00	8,760	1,401.60	L24	1	160.00	1,401.60	0.00
Description	Description				Description					
POWER PLANT	8' INDUSTRIAL W/ (2) 86 WATT F96/T8 HO LAMPS, (1) ELECTRONIC BALLAST				LEAVE ALONE					



15	S4R	62	60.00	8,760	32,587.20	L2	62	52.00	28,242.24	4,344.96
Description	Description				Description					
POWER PLANT	8' STRIP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
20	W1R	1	60.00	500	30.00	L2.1	1	52.00	26.00	4.00
Description	Description				Description					
BASEMENT	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
1	I1	15	80.00	8,760	10,512.00	B2	15	42.00	5,518.80	4,993.20
Description	Description				Description					
WOOD PLANT	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2	I1	125	80.00	2,184	21,840.00	B2	125	42.00	11,466.00	10,374.00
Description	Description				Description					
WOOD PLANT	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3	C1	1	60.00	500	30.00	F2	1	20.00	10.00	20.00
Description	Description				Description					
REST	60 WATT INCANDESCENT				18 WATT COMPACT FLUORESCENT LAMP					
4	T1E	2	148.00	500	148.00	B2	2	42.00	42.00	106.00
Description	Description				Description					
OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5	I4	1	230.00	2,184	502.32	D2W	1	84.00	183.46	318.86
Description	Description				Description					
PLANT	8' INDUSTRIAL W/ (2) 95 WATT F96/T12/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6	I1	8	80.00	8,760	5,606.40	B2	8	42.00	2,943.36	2,663.04
Description	Description				Description					
BACK AREA	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7	I1	50	80.00	2,184	8,736.00	B2	50	42.00	4,586.40	4,149.60
Description	Description				Description					
BACK AREA	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1	I1	47	80.00	8,760	32,937.60	B2	47	42.00	17,292.24	15,645.36
Description	Description				Description					
PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2	I1	254	80.00	2,184	44,378.88	B2	254	42.00	23,298.91	21,079.97
Description	Description				Description					
PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3	I1R	10	60.00	2,184	1,310.40	L2.1	10	52.00	1,135.68	174.72
Description	Description				Description					
PLANT FLOOR	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
4	H11	3	95.00	4,380	1,248.30	R11	3	26.00	341.64	906.66
Description	Description				Description					
PLANT FLOOR	70 WATT HIGH PRESSURE SODIUM WALLPACK FIXTURE				26 WATT COMPACT FLUORESCENT WALLPACK FIXTURE					
5	F3	7	27.00	2,184	412.78	L10	7	27.00	412.78	0.00
Description	Description				Description					
PLANT FLOOR	26 WATT COMPACT FLUORESCENT LAMP				LEAVE ALONE					
6	C2	6	100.00	2,184	1,310.40	F3	6	27.00	353.81	956.59
Description	Description				Description					
PLANT FLOOR	100 WATT INCANDESCENT				26 WATT COMPACT FLUORESCENT LAMP					
7	T2E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
Description	Description				Description					
PLANT FLOOR	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



7.1		T2E	7	74.00	2,184	1,131.31	B2	7	42.00	642.10	489.22
	Description	Description				Description					
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		T2R	5	60.00	2,184	655.20	B2	5	42.00	458.64	196.56
	Description	Description				Description					
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		H6	1	300.00	2,184	655.20	R1.1	2	42.00	183.46	471.74
	Description	Description				Description					
	PLANT FLOOR	250 WATT METAL HALIDE HIGH BAY FIXTURE				REPLACEMENT W/ (1) 4' WHITE METAL INDUSTRIAL, (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
10		I4	1	230.00	2,184	502.32	W2	1	48.00	104.83	397.49
	Description	Description				Description					
	PLANT FLOOR	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR REFLECTOR, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST, ACRYLIC LENS					
11		S3	2	132.00	2,184	576.58	D1	2	84.00	366.91	209.66
	Description	Description				Description					
	PLANT FLOOR	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
12		I1	44	80.00	8,760	30,835.20	B2	44	42.00	16,188.48	14,646.72
	Description	Description				Description					
	PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
13		I1	239	80.00	2,184	41,758.08	B2	239	42.00	21,922.99	19,835.09
	Description	Description				Description					
	PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
14		I1R	16	60.00	2,184	2,096.64	L2.1	16	52.00	1,817.09	279.55
	Description	Description				Description					
	PLANT FLOOR	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
15		I8	4	145.00	2,184	1,266.72	R1.1	4	42.00	366.91	899.81
	Description	Description				Description					
	PLANT FLOOR	4' INDUSTRIAL W/ (2) 60 WATT F48T12/HO LAMPS, (1) STANDARD MAGNETIC BALLAST				REPLACEMENT W/ (1) 4' WHITE METAL INDUSTRIAL, (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
16		H5	1	460.00	2,184	1,004.64	R1.1	4	42.00	366.91	637.73
	Description	Description				Description					
	PLANT FLOOR	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE				REPLACEMENT W/ (1) 4' WHITE METAL INDUSTRIAL, (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
17		T1E	2	148.00	2,184	646.46	A1	2	48.00	209.66	436.80
	Description	Description				Description					
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
18		H7	3	295.00	2,184	1,932.84	R4Y	3	127.00	832.10	1,100.74
	Description	Description				Description					
	PLANT FLOOR	250 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE					
19		H6	28	300.00	2,184	18,345.60	R4Y	28	127.00	7,766.30	10,579.30
	Description	Description				Description					
	PLANT FLOOR	250 WATT METAL HALIDE HIGH BAY FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE					
20		T3E	6	74.00	2,184	969.70	B2	6	42.00	550.37	419.33
	Description	Description				Description					
	PLANT FLOOR	1X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
21		C2	9	100.00	2,184	1,965.60	F3	9	27.00	530.71	1,434.89
	Description	Description				Description					
	PLANT FLOOR	100 WATT INCANDESCENT				26 WATT COMPACT FLUORESCENT LAMP					



22		T2E	13	74.00	2,184	2,101.01	B2	13	42.00	1,192.46	908.54
	Description	Description					Description				
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
23		I4	4	230.00	2,184	2,009.28	D2W	4	84.00	733.82	1,275.46
	Description	Description					Description				
	PLANT FLOOR	8' INDUSTRIAL W/ (2) 95 WATT F96/T12/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
24		I1	44	80.00	2,184	7,687.68	B2	44	42.00	4,036.03	3,651.65
	Description	Description					Description				
	PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
25		I1	199	80.00	2,184	34,769.28	B2	199	42.00	18,253.87	16,515.41
	Description	Description					Description				
	PLANT FLOOR	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
26		I1R	48	60.00	2,184	6,289.92	L2.1	48	52.00	5,451.26	838.66
	Description	Description					Description				
	PLANT FLOOR	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
27		C2	8	100.00	2,184	1,747.20	F3.1	8	27.00	471.74	1,275.46
	Description	Description					Description				
	PLANT FLOOR	100 WATT INCANDESCENT					26 WATT COMPACT FLUORESCENT LAMP				
28		R8	18	298.00	2,184	11,714.98	L8	18	272.00	10,692.86	1,022.11
	Description	Description					Description				
	PLANT FLOOR	2X4 FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTORS, (8) F32T8 LAMPS, (2) ELECTRONIC BALLASTS					RELAMP EXISTING FIXTURES WITH (8) F28T8 LAMPS				
29		T1R	4	112.00	2,184	978.43	A1	4	48.00	419.33	559.10
	Description	Description					Description				
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
30		H5	4	460.00	2,184	4,018.56	R4	4	234.00	2,044.22	1,974.34
	Description	Description					Description				
	PLANT FLOOR	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (4) T5 HO LAMPS, (1) T5 ELECTRONIC BALLAST				
31		T2E	2	74.00	2,184	323.23	B2	2	42.00	183.46	139.78
	Description	Description					Description				
	PLANT FLOOR	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
32		C3	27	100.00	2,184	5,896.80	L23	27	100.00	5,896.80	0.00
	Description	Description					Description				
	PLANT FLOOR	100 WATT INCANDESCENT EXPLOSION					LEAVE ALONE				
33		S3	2	132.00	2,184	576.58	D1	2	84.00	366.91	209.66
	Description	Description					Description				
	PLANT FLOOR	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
34		W1E	15	74.00	8,760	9,723.60	B2.1	15	42.00	5,518.80	4,204.80
	Description	Description					Description				
	STAIRWELLS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
35		I1	5	80.00	8,760	3,504.00	B2.1	5	42.00	1,839.60	1,664.40
	Description	Description					Description				
	STAIRWELLS	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
1		W1E	2	74.00	2,500	370.00	B2	2	42.00	210.00	160.00
	Description	Description					Description				
	HALLWAY	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



2		X1	3	40.00	8,760	1,051.20	X2	3	2.00	52.56	998.64	
	Description	Description					Description					
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS					REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS					
3		T1E	1	148.00	2,000	296.00	A1	1	48.00	96.00	200.00	
	Description	Description					Description					
	OFFICES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		W1E	2	74.00	2,000	296.00	B4T	1	84.00	168.00	128.00	
	Description	Description					Description					
	OFFICE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		W1E	1	74.00	500	37.00	B2	1	42.00	21.00	16.00	
	Description	Description					Description					
	CUST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		C1	2	60.00	1,000	120.00	F2	2	20.00	40.00	80.00	
	Description	Description					Description					
	RESTS	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
7		W1E	4	74.00	2,000	592.00	B2	4	42.00	336.00	256.00	
	Description	Description					Description					
	MEETING	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		C1	2	60.00	500	60.00	F2	2	20.00	20.00	40.00	
	Description	Description					Description					
	MISC / STOR	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
9		C9	10	240.00	500	1,200.00	F2	40	20.00	400.00	800.00	
	Description	Description					Description					
	CHAPEL	PENDANT DECORATIVE FIXTURE W/ (4) 60 WATT INCANDESCENT LAMPS					18 WATT COMPACT FLUORESCENT LAMP					
10		C6	2	75.00	500	75.00	F5	2	18.00	18.00	57.00	
	Description	Description					Description					
	CHAPEL	75 WATT INCANDESCENT FLOOD					18 WATT R30 FLOODLIGHT VENTED INDOOR USE					
11		C1	2	60.00	500	60.00	F2	2	20.00	20.00	40.00	
	Description	Description					Description					
	STORAGES	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
2		S1	2	44.00	500	44.00	B1	2	22.00	22.00	22.00	
	Description	Description					Description					
	GUARD OBSERV	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		S2R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68	
	Description	Description					Description					
	GUARD BUILDING	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		S2R	12	60.00	500	360.00	L2	12	52.00	312.00	48.00	
	Description	Description					Description					
	GUARD BUILDING	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
1		T2R	4	60.00	8,760	2,102.40	B2	4	42.00	1,471.68	630.72	
	Description	Description					Description					
	HALLWAYS	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2		T2R	16	60.00	2,750	2,640.00	L2	16	52.00	2,288.00	352.00	
	Description	Description					Description					
	HALLWAYS	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
3		W4	7	160.00	2,750	3,080.00	B2Y	7	65.00	1,251.25	1,828.75	
	Description	Description					Description					
	OPEN OFFICE	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
4		T1	2	160.00	2,000	640.00	A1	2	48.00	192.00	448.00	
	Description	Description					Description					
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



5		T1E	2	148.00	2,500	740.00	A1	2	48.00	240.00	500.00
	Description	Description					Description				
	LOUNGE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		W4	4	160.00	500	320.00	B2R	4	48.00	96.00	224.00
	Description	Description					Description				
	STORAGES	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
7		T1R	4	112.00	2,000	896.00	A1	4	48.00	384.00	512.00
	Description	Description					Description				
	OFFICES	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
8		T2E	1	74.00	2,000	148.00	B2	1	42.00	84.00	64.00
	Description	Description					Description				
	REST	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
9		W1E	1	74.00	2,000	148.00	B2	1	42.00	84.00	64.00
	Description	Description					Description				
	REST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
10		T2R	11	60.00	2,500	1,650.00	L2	11	52.00	1,430.00	220.00
	Description	Description					Description				
	OPEN OFFICE	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
11		T1R	13	112.00	2,000	2,912.00	A1	13	48.00	1,248.00	1,664.00
	Description	Description					Description				
	OFFICES	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
12		T1R	12	112.00	2,000	2,688.00	A1	12	48.00	1,152.00	1,536.00
	Description	Description					Description				
	CONF	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13		W4E	1	148.00	2,000	296.00	B2Y	1	65.00	130.00	166.00
	Description	Description					Description				
	OFFICE	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
14		W1E	1	74.00	100	7.40	B2	1	42.00	4.20	3.20
	Description	Description					Description				
	CLOSET	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15		W1R	1	60.00	1,000	60.00	L2	1	52.00	52.00	8.00
	Description	Description					Description				
	REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
16		W4	2	160.00	2,500	800.00	B2R	2	48.00	240.00	560.00
	Description	Description					Description				
	COPY	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
17		T1E	4	148.00	2,000	1,184.00	A1	4	48.00	384.00	800.00
	Description	Description					Description				
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18		W4	4	160.00	500	320.00	B2R	4	48.00	96.00	224.00
	Description	Description					Description				
	CUST / MECH	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
20		W4	46	160.00	5,500	40,480.00	B2R	46	48.00	12,144.00	28,336.00
	Description	Description					Description				
	WORK-FIT	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



21		W4	16	160.00	5,500	14,080.00	B2R	16	48.00	4,224.00	9,856.00
	Description	Description				Description					
	LOCKER / REST	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
22		W4	3	160.00	5,500	2,640.00	B2R	3	48.00	792.00	1,848.00
	Description	Description				Description					
	KITCHENETTE	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
23		W1R	1	60.00	4,000	240.00	B2	1	42.00	168.00	72.00
	Description	Description				Description					
	RECORDS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
24		W4	2	160.00	3,000	960.00	B2R	2	48.00	288.00	672.00
	Description	Description				Description					
	OFFICE	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1		S3	8	132.00	2,184	2,306.30	D1R	8	95.00	1,659.84	646.46
	Description	Description				Description					
	AUTO SHOP	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2		H5	2	460.00	2,184	2,009.28	R4G	2	142.00	620.26	1,389.02
	Description	Description				Description					
	AUTO SHOP	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (4) F32T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST, WIRE PROTECTIVE CAGE					
3		S3	2	132.00	2,184	576.58	D1	2	84.00	366.91	209.66
	Description	Description				Description					
	CLASS	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		S2R	1	60.00	2,000	120.00	L2	1	52.00	104.00	16.00
	Description	Description				Description					
	OFFICE	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
5		S2E	1	74.00	2,000	148.00	B2	1	42.00	84.00	64.00
	Description	Description				Description					
	OFFICE	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		S2	1	80.00	1,000	80.00	B2	1	42.00	42.00	38.00
	Description	Description				Description					
	REST	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7		C1	1	60.00	500	30.00	F2.1	1	20.00	10.00	20.00
	Description	Description				Description					
	MEZZ	60 WATT INCANDESCENT				18 WATT COMPACT FLUORESCENT LAMP					
8		S2	1	80.00	500	40.00	B2.1	1	42.00	21.00	19.00
	Description	Description				Description					
	MEZZ	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		W4	4	160.00	2,184	1,397.76	B2Y	4	65.00	567.84	829.92
	Description	Description				Description					
	TOOL CRIB	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
1		S3	4	132.00	8,760	4,625.28	D1.1	4	84.00	2,943.36	1,681.92
	Description	Description				Description					
	HALLWAY	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1.1		S2E	4	74.00	500	148.00	B2A	4	48.00	96.00	52.00
	Description	Description				Description					
	SHED	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (2) F32T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2		S2	3	80.00	8,760	2,102.40	B2	3	42.00	1,103.76	998.64
	Description	Description				Description					
	HALLWAY	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



3		T3E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
	Description	Description				Description					
	MACHINE SHOP	1X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		T3E	9	74.00	2,184	1,454.54	B2	9	42.00	825.55	628.99
	Description	Description				Description					
	MACHINE SHOP	1X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		T4E	1	74.00	2,184	161.62	A3	1	30.00	65.52	96.10
	Description	Description				Description					
	MACHINE SHOP	2X2 RECESSED TROFFER W/ (2) 34 WATT F40/U6/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				CUSTOM 2X2 SPECULAR REFLECTOR RETROFIT KIT, (2) F17T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		S3	2	132.00	8,760	2,312.64	A1	2	48.00	840.96	1,471.68
	Description	Description				Description					
	PAINT SHOP	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7		S3	4	132.00	2,184	1,153.15	A1	4	48.00	419.33	733.82
	Description	Description				Description					
	PAINT SHOP	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		T3	3	80.00	2,184	524.16	B2.1	3	42.00	275.18	248.98
	Description	Description				Description					
	PAINT SHOP	1X4 RECESSED TROFFER W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		C1	2	60.00	2,184	262.08	F2.1	2	20.00	87.36	174.72
	Description	Description				Description					
	PAINT SHOP	60 WATT INCANDESCENT				18 WATT COMPACT FLUORESCENT LAMP					
10		W1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description				Description					
	LOUNGE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
11		W1	3	80.00	1,000	240.00	B2	3	42.00	126.00	114.00
	Description	Description				Description					
	LOUNGE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
12		I4E	6	212.00	2,184	2,778.05	D2W	6	84.00	1,100.74	1,677.31
	Description	Description				Description					
	CARPENTER SHOP	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
13		I3E	4	128.00	2,184	1,118.21	D2W	4	84.00	733.82	384.38
	Description	Description				Description					
	CARPENTER SHOP	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
14		T3E	1	74.00	2,184	161.62	B2	1	42.00	91.73	69.89
	Description	Description				Description					
	CARPENTER SHOP	1X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
15		S2	2	80.00	1,000	160.00	B2	2	42.00	84.00	76.00
	Description	Description				Description					
	STORAGES	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
16		S3	4	132.00	2,184	1,153.15	D1	4	84.00	733.82	419.33
	Description	Description				Description					
	PLUMBERS SHOP	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
17		W1	4	80.00	2,184	698.88	B4T	2	84.00	366.91	331.97
	Description	Description				Description					
	OFFICES	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



18		W4E	1	148.00	2,000	296.00	B2R	1	48.00	96.00	200.00
	Description	Description				Description					
	TRAINING	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
19		W1E	2	74.00	2,000	296.00	B2	2	42.00	168.00	128.00
	Description	Description				Description					
	TRAINING	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
20		T2R	1	60.00	2,000	120.00	L2	1	52.00	104.00	16.00
	Description	Description				Description					
	OFFICE	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
21		W1	1	80.00	2,000	160.00	B2	1	42.00	84.00	76.00
	Description	Description				Description					
	OFFICE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
22		C1	1	60.00	500	30.00	F1	1	15.00	7.50	22.50
	Description	Description				Description					
	RESTS	60 WATT INCANDESCENT				15 WATT COMPACT FLUORESCENT LAMP					
23		W1E	2	74.00	2,000	296.00	B2	2	42.00	168.00	128.00
	Description	Description				Description					
	OFFICE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
24		W5E	1	40.00	8,760	350.40	B1	1	22.00	192.72	157.68
	Description	Description				Description					
	HALLWAY	4' SURFACE WRAP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
25		S2	3	80.00	2,184	524.16	B2	3	42.00	275.18	248.98
	Description	Description				Description					
	TOOL ROOM	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
26		I4	3	230.00	2,184	1,506.96	D2W	3	84.00	550.37	956.59
	Description	Description				Description					
	TOOL ROOM	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
27		W1	1	80.00	1,000	80.00	B2	1	42.00	42.00	38.00
	Description	Description				Description					
	REST	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
28		I4	2	230.00	2,184	1,004.64	D2RW	2	95.00	414.96	589.68
	Description	Description				Description					
	FAB SHOP	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) 28 WATT F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
29		I3	2	132.00	2,184	576.58	D2RW	2	95.00	414.96	161.62
	Description	Description				Description					
	FAB SHOP	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) 28 WATT F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
30		I1	6	80.00	2,184	1,048.32	B2	6	42.00	550.37	497.95
	Description	Description				Description					
	FAB SHOP	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
31		I1	9	80.00	2,184	1,572.48	B2	9	42.00	825.55	746.93
	Description	Description				Description					
	WELDING	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
32		I7	3	130.00	2,184	851.76	B3	3	63.00	412.78	438.98
	Description	Description				Description					
	WELDING	4' INDUSTRIAL W/ (3) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, HOODED				RELAMP REBALLAST W/ (3) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
33		W1	1	80.00	100	8.00	B2	1	42.00	4.20	3.80
	Description	Description				Description					
	NETWORK	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



34	W1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
Description	Description					Description				
PLAN ROOM	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
34.1	W1	1	80.00	2,500	200.00	B2	1	42.00	105.00	95.00
Description	Description					Description				
PLAN ROOM	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
35	S3	1	132.00	2,500	330.00	D1	1	84.00	210.00	120.00
Description	Description					Description				
LOUNGE	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
36	S14	1	250.00	2,500	625.00	W6	1	94.00	235.00	390.00
Description	Description					Description				
LOUNGE	8' SURFACE STRIP W/ (4) 60 WATT F96T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, NO LENS					REPLACEMENT W/ (1) 8' WRAP W/ INTEGRAL SPECULAR REFLECTOR, (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST, ACRYLIC LENS				
37	I3E	1	128.00	2,184	279.55	D2W	1	84.00	183.46	96.10
Description	Description					Description				
REST	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
38	T1E	1	148.00	2,000	296.00	A1	1	48.00	96.00	200.00
Description	Description					Description				
OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
39	W1E	1	74.00	2,000	148.00	B2	1	42.00	84.00	64.00
Description	Description					Description				
OFFICE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
41	S3	3	132.00	500	198.00	D1A	3	94.00	141.00	57.00
Description	Description					Description				
SHED	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F32T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
43	I3E	3	128.00	2,184	838.66	D2W	3	84.00	550.37	288.29
Description	Description					Description				
STORAGE CRIBS	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
44	I4E	11	212.00	2,184	5,093.09	D2RW	11	95.00	2,282.28	2,810.81
Description	Description					Description				
STORAGE CRIBS	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) 28 WATT F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
45	S2R	2	60.00	2,184	262.08	B2	2	42.00	183.46	78.62
Description	Description					Description				
STORAGE CRIBS	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
46	I1	2	80.00	2,184	349.44	B2	2	42.00	183.46	165.98
Description	Description					Description				
STORAGE CRIBS	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
47	W1	6	80.00	2,184	1,048.32	B2	6	42.00	550.37	497.95
Description	Description					Description				
STORAGE CRIB	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
48	T1E	3	148.00	2,184	969.70	B4	3	84.00	550.37	419.33
Description	Description					Description				
SUPPLIES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
49	I1E	1	74.00	2,184	161.62	B2	1	42.00	91.73	69.89
Description	Description					Description				
SUPPLIES	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



50		W1E	2	74.00	2,184	323.23	B2	2	42.00	183.46	139.78
	Description	Description					Description				
	OFFICE	4' WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
51		I1E	3	74.00	2,184	484.85	B2.1	3	42.00	275.18	209.66
	Description	Description					Description				
	MEZZ	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
52		I3E	2	128.00	2,184	559.10	D2W.1	2	84.00	366.91	192.19
	Description	Description					Description				
	MEZZ	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
53		S2E	2	74.00	2,184	323.23	B2	2	42.00	183.46	139.78
	Description	Description					Description				
	OFFICE	4' SURFACE STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
54		S2R	3	60.00	2,184	393.12	L2	3	52.00	340.70	52.42
	Description	Description					Description				
	OFFICE	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
55		I1	4	80.00	2,184	698.88	B2.1	4	42.00	366.91	331.97
	Description	Description					Description				
	OFFICE	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
56		I7	4	130.00	2,184	1,135.68	B2R	4	48.00	419.33	716.35
	Description	Description					Description				
	SUPPLIES	4' INDUSTRIAL W/ (3) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
1		I1	2	80.00	7,000	1,120.00	B2	2	42.00	588.00	532.00
	Description	Description					Description				
	REST	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
2		I1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description					Description				
	KITCHEN AREA	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
3		S2R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68
	Description	Description					Description				
	KITCHEN AREA	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
4		T1	22	160.00	8,760	30,835.20	A1	22	48.00	9,250.56	21,584.64
	Description	Description					Description				
	KITCHEN AREA	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
5		T1R	4	112.00	8,760	3,924.48	A1	4	48.00	1,681.92	2,242.56
	Description	Description					Description				
	KITCHEN AREA	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		C2	4	100.00	8,760	3,504.00	F3.1	4	27.00	946.08	2,557.92
	Description	Description					Description				
	COOLERS	100 WATT INCANDESCENT					26 WATT COMPACT FLUORESCENT LAMP				
7		T6	12	72.00	8,760	7,568.64	B6.1	12	42.00	4,415.04	3,153.60
	Description	Description					Description				
	HOODS	1X3 RECESSED TROFFER W (2) F30/T12/CW LAMPS, (1) STANDARD MAGNETIC BALLAST					RELAMP REBALLAST W/ (2) F25T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
8		X1	1	40.00	8,760	350.40	X1	1	2.00	17.52	332.88
	Description	Description					Description				
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS					REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP				
9		X1	1	40.00	8,760	350.40	X2	1	2.00	17.52	332.88
	Description	Description					Description				
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS					REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS				



10		V4E	4	212.00	8,760	7,428.48	V4A	4	106.00	3,714.24	3,714.24
	Description	Description					Description				
	COOLERS	8' VAPORTIGHT STRIP W/ (2) 95 WATT F96/T12/WM/HO LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPOR TIGHT LENS					REPLACEMENT W/ (1) 8' VAPORTIGHT STRIP W/ (4) F32T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
11		S1	3	44.00	8,760	1,156.32	B1S.1	3	24.00	630.72	525.60
	Description	Description					Description				
	FOOD STORAGE	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, T8 LAMP SHATTER GUARD				
12		S9	2	230.00	8,760	4,029.60	D9	2	128.00	2,242.56	1,787.04
	Description	Description					Description				
	FOOD STORAGE	8' STRIP W/ (2) 95 WATT F96/T12/CW/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) HIGH PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13		S2R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68
	Description	Description					Description				
	UTENSILS	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
14		V2	3	80.00	8,760	2,102.40	B2	3	42.00	1,103.76	998.64
	Description	Description					Description				
	BREAD MAKE	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15		V4	4	230.00	8,760	8,059.20	V4	4	84.00	2,943.36	5,115.84
	Description	Description					Description				
	DISHWASHERS	8' VAPORTIGHT STRIP W/ (2) 95 WATT F96/T12/WM/HO LAMPS, (1) STANDARD MAGNETIC BALLAST, VAPOR TIGHT LENS					REPLACEMENT W/ (1) 8' VAPORTIGHT STRIP W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16		S2	2	80.00	8,760	1,401.60	B2	2	42.00	735.84	665.76
	Description	Description					Description				
	OFFICE	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
17		W1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description					Description				
	REST	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18		S2R	8	60.00	8,760	4,204.80	B4T	4	84.00	2,943.36	1,261.44
	Description	Description					Description				
	SERVING	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
19		S2R	8	60.00	8,760	4,204.80	B2	8	42.00	2,943.36	1,261.44
	Description	Description					Description				
	SERVING	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
20		S4	6	80.00	8,760	4,204.80	B2TS	6	42.00	2,207.52	1,997.28
	Description	Description					Description				
	ENTRANCE	8' SURFACE STRIP W/ (2) 34 WATT F40/T12.CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO DIFFUSER					TANDEM RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
21		S2RD	58	60.00	4,000	13,920.00	L20	58	60.00	13,920.00	0.00
	Description	Description					Description				
	CAFÉ	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) DIMMING ELECTRONIC BALLAST, NO LENS					LEAVE ALONE				
22		H4	1	460.00	8,760	4,029.60	G1	1	0.00	0.00	4,029.60
	Description	Description					Description				
	SERVING	400 WATT MERCURY VAPOR HIGH BAY FIXTURE					REMOVAL OF FIXTURE				
23		S1	1	44.00	8,760	385.44	B1S	1	24.00	210.24	175.20
	Description	Description					Description				
	BEVERAGE	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, T8 LAMP SHATTER GUARD				
24		S1R	1	32.00	8,760	280.32	B1S	1	24.00	210.24	70.08
	Description	Description					Description				
	ENTRANCE	4' SURFACE STRIP W/ (1) F32T8 LAMP AND (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, T8 LAMP SHATTER GUARD				
25		F10	4	30.00	8,760	1,051.20	L21	4	30.00	1,051.20	0.00
	Description	Description					Description				
	DOCK	SURFACE 12X12 FIXTURE W/ (2) 13 WATT COMPACT FLUORESCENT LAMPS					LEAVE ALONE				



26	V3E	1	128.00	8,760	1,121.28	V4	1	84.00	735.84	385.44
Description	Description				Description					
DRY GOODS	8' VAPORTIGHT W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS				REPLACEMENT W/ (1) 8' VAPORTIGHT STRIP W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
27	V2R	2	60.00	8,760	1,051.20	B2	2	42.00	735.84	315.36
Description	Description				Description					
DRY GOODS	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
28	V2	7	80.00	8,760	4,905.60	B2	7	42.00	2,575.44	2,330.16
Description	Description				Description					
DRY GOODS	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
29	S9	1	230.00	8,760	2,014.80	D9	1	128.00	1,121.28	893.52
Description	Description				Description					
SUPPLIES	8' STRIP W/ (2) 95 WATT F96T12/CW/HO/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) HIGH PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
30	W1E	2	74.00	8,760	1,296.48	B2	2	42.00	735.84	560.64
Description	Description				Description					
HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
31	W1E	4	74.00	3,000	888.00	B2	4	42.00	504.00	384.00
Description	Description				Description					
OFFICES	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
33	S8	1	125.00	1,000	125.00	D8	1	48.00	48.00	77.00
Description	Description				Description					
MECH	8' SURFACE STRIP W/ (1) 95 WATT F96HO/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
34	W1E	1	74.00	1,000	74.00	B2	1	42.00	42.00	32.00
Description	Description				Description					
MECH	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1	H1	5	460.00	8,760	20,148.00	R6L	5	222.00	9,723.60	10,424.40
Description	Description				Description					
WAREHOUS E	400 WATT METAL HALIDE FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS					
2	H1	16	460.00	3,640	26,790.40	R6LO	16	89.00	5,183.36	21,607.04
Description	Description				Description					
WAREHOUS E	400 WATT METAL HALIDE FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS, INTEGRAL OCCUPANCY SENSOR					
3	H1	13	460.00	3,640	21,767.20	R6L	13	222.00	10,505.04	11,262.16
Description	Description				Description					
WAREHOUS E	400 WATT METAL HALIDE FIXTURE				REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS					
4	V2R	2	60.00	8,760	1,051.20	B2.1	2	42.00	735.84	315.36
Description	Description				Description					
WAREHOUS E	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5	V2R	6	60.00	100	36.00	L2.1	6	52.00	31.20	4.80
Description	Description				Description					
WAREHOUS E	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
6	S2R	2	60.00	100	12.00	L2.1	2	52.00	10.40	1.60
Description	Description				Description					
MECH	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
7	T1	1	160.00	100	16.00	B4	1	84.00	8.40	7.60
Description	Description				Description					
MECH	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



8		T1R	1	112.00	100	11.20	L4	1	98.00	9.80	1.40	
	Description	Description					Description					
	MECH	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (4) F28T8 LAMPS					
9		T1R	2	112.00	500	112.00	L4	2	98.00	98.00	14.00	
	Description	Description					Description					
	OFFICE	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (4) F28T8 LAMPS					
10		W1R	1	60.00	8,760	525.60	L2	1	52.00	455.52	70.08	
	Description	Description					Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
11		W1R	5	60.00	2,000	600.00	L2	5	52.00	520.00	80.00	
	Description	Description					Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
12		W1R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68	
	Description	Description					Description					
	PRISONERS REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
13		W1R	5	60.00	3,640	1,092.00	B2	5	42.00	764.40	327.60	
	Description	Description					Description					
	PRISONERS REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
14		W1R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68	
	Description	Description					Description					
	HALL	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
15		W1R	3	60.00	3,640	655.20	B2	3	42.00	458.64	196.56	
	Description	Description					Description					
	HALL	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
16		W1R	6	60.00	3,640	1,310.40	B4T	3	84.00	917.28	393.12	
	Description	Description					Description					
	LOUNGE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
17		W1R	1	60.00	100	6.00	L2	1	52.00	5.20	0.80	
	Description	Description					Description					
	MISC / STORAGE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
18		W1R	4	60.00	3,000	720.00	B2	4	42.00	504.00	216.00	
	Description	Description					Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
19		W1R	6	60.00	3,640	1,310.40	B2	6	42.00	917.28	393.12	
	Description	Description					Description					
	OPEN OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
20		W1R	3	60.00	3,000	540.00	B2	3	42.00	378.00	162.00	
	Description	Description					Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
21		H1	17	460.00	3,640	28,464.80	V6P	17	222.00	13,737.36	14,727.44	
	Description	Description					Description					
	PRODUCTIO N	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
22		V2R	5	60.00	8,760	2,628.00	B2.1	5	42.00	1,839.60	788.40	
	Description	Description					Description					
	PRODUCTIO N	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



23		H1	2	460.00	3,640	3,348.80	V6P	2	222.00	1,616.16	1,732.64	
	Description	Description					Description					
	COOLERS	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
24		H1	10	460.00	3,640	16,744.00	V6PO	10	89.00	3,239.60	13,504.40	
	Description	Description					Description					
	COOLERS	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR					
25		H1	1	460.00	3,640	1,674.40	V6P	1	222.00	808.08	866.32	
	Description	Description					Description					
	FREEZE	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
26		H1	5	460.00	3,640	8,372.00	V6PO	5	89.00	1,619.80	6,752.20	
	Description	Description					Description					
	FREEZE	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR					
27		H1	1	460.00	8,760	4,029.60	V6P	1	222.00	1,944.72	2,084.88	
	Description	Description					Description					
	SHIPPING	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
27.1		H1	3	460.00	3,640	5,023.20	V6P	3	222.00	2,424.24	2,598.96	
	Description	Description					Description					
	SHIPPING	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
28		W1R	2	60.00	3,640	436.80	B2	2	42.00	305.76	131.04	
	Description	Description					Description					
	HALL	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
29		I1R	2	60.00	3,640	436.80	B4T	1	84.00	305.76	131.04	
	Description	Description					Description					
	LOCKERS	4' INDUSTRIAL W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
30		H1	2	460.00	8,760	8,059.20	R6LOA	2	22.00	385.44	7,673.76	
	Description	Description					Description					
	COOLERS-BACK	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR					
31		V4E	1	212.00	8,760	1,857.12	V4O	1	8.00	70.08	1,787.04	
	Description	Description					Description					
	COOLERS-BACK	8' VAPORTIGHT STRIP W/ (2) 95 WATT F96/T12/WM/HO LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPOR TIGHT LENS					REPLACEMENT W/ (1) 8' VAPORTIGHT STRIP W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
32		I4	2	230.00	8,760	4,029.60	D1R	2	95.00	1,664.40	2,365.20	
	Description	Description					Description					
	COOLERS-BACK	8' INDUSTRIAL W/ (2) 95 WATT F96/T12/WM/HO LAMPS, (1) STANDARD MAGNETIC BALLAST					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
38		S2	1	80.00	8,760	700.80	B2R.1	1	48.00	420.48	280.32	
	Description	Description					Description					
	STORAGE	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
39		S2	4	80.00	100	32.00	B2R	4	48.00	19.20	12.80	
	Description	Description					Description					
	STORAGE	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



40	S1	1	44.00	8,760	385.44	B1.1	1	22.00	192.72	192.72
Description	Description					Description				
RAMP	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
41	H5	1	460.00	3,000	1,380.00	R6LO	1	89.00	267.00	1,113.00
Description	Description					Description				
PROPERTY ROOM	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE					REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS, INTEGRAL OCCUPANCY SENSOR				
42	H5	3	460.00	3,000	4,140.00	R6L	3	222.00	1,998.00	2,142.00
Description	Description					Description				
PROPERTY ROOM	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE					REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS				
43	T1E	2	148.00	3,000	888.00	B2Y	2	65.00	390.00	498.00
Description	Description					Description				
PROPERTY ROOM	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
44	T2R	2	60.00	3,000	360.00	L2	2	52.00	312.00	48.00
Description	Description					Description				
PROPERTY ROOM	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
45	I1	2	80.00	3,000	480.00	B2	2	42.00	252.00	228.00
Description	Description					Description				
PROPERTY ROOM	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
46	T2R	2	60.00	2,000	240.00	L2	2	52.00	208.00	32.00
Description	Description					Description				
REST / CUST	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
47	T1E	2	148.00	3,000	888.00	B2Y	2	65.00	390.00	498.00
Description	Description					Description				
QUARTER MASTER	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
48	H5	4	460.00	3,000	5,520.00	R6L	4	222.00	2,664.00	2,856.00
Description	Description					Description				
QUARTER MASTER	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE					REPLACEMENT W/ 2X4 FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, CLEAR LENS				
49	I1	1	80.00	3,000	240.00	B2	1	42.00	126.00	114.00
Description	Description					Description				
QUARTER MASTER	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
50	S2R	1	60.00	2,000	120.00	L2	1	52.00	104.00	16.00
Description	Description					Description				
REST	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
51	T2R	2	60.00	3,000	360.00	L2	2	52.00	312.00	48.00
Description	Description					Description				
ENTRANCE / OFFICE	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
52	H5	5	460.00	8,760	20,148.00	R6OA	5	22.00	963.60	19,184.40
Description	Description					Description				
STORAGE	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE					REPLACEMENT W/ FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, INTEGRAL OCCUPANCY SENSOR				
53	S2R	10	60.00	500	300.00	L2	10	52.00	260.00	40.00
Description	Description					Description				
STORAGES	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
54	I1	10	80.00	500	400.00	B2	10	42.00	210.00	190.00
Description	Description					Description				
STORAGES	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



55		H5	1	460.00	500	230.00	R60A	1	22.00	11.00	219.00
	Description	Description				Description					
	STORAGES	400 WATT HIGH PRESSURE SODIUM LOW BAY FIXTURE				REPLACEMENT W/ FLUORESCENT HIGH BAY FIXTURE W/ (6) F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, INTEGRAL OCCUPANCY SENSOR					
56		S3	1	132.00	8,760	1,156.32	D1	1	84.00	735.84	420.48
	Description	Description				Description					
	STORAGES	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
57		S2	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description				Description					
	STORAGES	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
58		V3	8	132.00	500	528.00	V4A	8	106.00	424.00	104.00
	Description	Description				Description					
	COOLERS	8' VAPORTIGHT STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST				REPLACEMENT W/ (1) 8' VAPORTIGHT STRIP W/ (4) F32T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
59		S2	4	80.00	8,760	2,803.20	B2	4	42.00	1,471.68	1,331.52
	Description	Description				Description					
	HALL	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
60		I3E	4	128.00	8,760	4,485.12	D2W	4	84.00	2,943.36	1,541.76
	Description	Description				Description					
	BREAK ROOM	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST				8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
61		T1	4	160.00	8,760	5,606.40	A1	4	48.00	1,681.92	3,924.48
	Description	Description				Description					
	VENDING	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
62		T1	1	160.00	6,000	960.00	A1	1	48.00	288.00	672.00
	Description	Description				Description					
	REST	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
63		I1E	4	74.00	1,000	296.00	B2	4	42.00	168.00	128.00
	Description	Description				Description					
	WORK TOOLS	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
64		I1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description				Description					
	WORK TOOLS	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
65		S3	22	132.00	6,500	18,876.00	D1	22	84.00	12,012.00	6,864.00
	Description	Description				Description					
	FIRST AID / MEDS	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
66		S2E	3	74.00	6,500	1,443.00	B2	3	42.00	819.00	624.00
	Description	Description				Description					
	FIRST AID / MEDS	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
67		S2E	1	74.00	4,000	296.00	B2	1	42.00	168.00	128.00
	Description	Description				Description					
	REST	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
68		S3	3	132.00	3,000	1,188.00	D1	3	84.00	756.00	432.00
	Description	Description				Description					
	OFFICE	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS				8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
72		W1E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
	Description	Description				Description					
	CLINIC ENTRANCE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



73		W1E	18	74.00	8,760	11,668.32	B2	18	42.00	6,622.56	5,045.76
	Description	Description					Description				
	OPEN AREA / HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
74		W4E	7	148.00	3,000	3,108.00	B2Y	7	65.00	1,365.00	1,743.00
	Description	Description					Description				
	EXAM ROOMS	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
75		S3	2	132.00	3,000	792.00	D1	2	84.00	504.00	288.00
	Description	Description					Description				
	RECORDS	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
76		S2E	10	74.00	3,000	2,220.00	B4T.1	5	84.00	1,260.00	960.00
	Description	Description					Description				
	RECORDS	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
77		W1R	2	60.00	4,000	480.00	B2	2	42.00	336.00	144.00
	Description	Description					Description				
	REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
78		W1E	2	74.00	500	74.00	B2	2	42.00	42.00	32.00
	Description	Description					Description				
	CUST / STORAGE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
79		T1R	5	112.00	3,000	1,680.00	B2.5	5	84.00	1,260.00	420.00
	Description	Description					Description				
	OFFICES / EXAM	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (2) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLASTS				
80		I3E	1	128.00	6,000	768.00	D2	1	94.00	564.00	204.00
	Description	Description					Description				
	OPEN CLINIC	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL SPECULAR REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
81		I4E	3	212.00	6,000	3,816.00	D2	3	94.00	1,692.00	2,124.00
	Description	Description					Description				
	OPEN CLINIC	8' INDUSTRIAL W/ (2) 95 WATT F96T12/HO/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL SPECULAR REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
82		I9E	3	420.00	6,000	7,560.00	D2	3	94.00	1,692.00	5,868.00
	Description	Description					Description				
	OPEN CLINIC	8' INDUSTRIAL W/ (2) 215 WATT F96T12/CW/VHO LAMPS, (1) STANDARD MAGNETIC BALLAST					8' INDUSTRIAL SPECULAR REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
83		T1R	20	112.00	2,000	4,480.00	A1	20	48.00	1,920.00	2,560.00
	Description	Description					Description				
	OFFICES	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
84		T1R	11	112.00	3,000	3,696.00	A1Y	11	65.00	2,145.00	1,551.00
	Description	Description					Description				
	DENTAL	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
85		W1E	1	74.00	2,340	173.16	B2	1	42.00	98.28	74.88
	Description	Description					Description				
	CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
86		W1E	5	74.00	2,340	865.80	B2	5	42.00	491.40	374.40
	Description	Description					Description				
	CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
87		T1E	9	148.00	2,000	2,664.00	A1	9	48.00	864.00	1,800.00
	Description	Description					Description				
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



88		W1E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
	Description	Description					Description				
	CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
89		W1E	5	74.00	2,340	865.80	B2	5	42.00	491.40	374.40
	Description	Description					Description				
	CLASS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
90		W1E	6	74.00	2,000	888.00	B2	6	42.00	504.00	384.00
	Description	Description					Description				
	OFFICES	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
91		W1R	2	60.00	4,000	480.00	B2	2	42.00	336.00	144.00
	Description	Description					Description				
	REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
92		W1E	2	74.00	8,760	1,296.48	B2	2	42.00	735.84	560.64
	Description	Description					Description				
	WAITING	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
93		W1E	2	74.00	4,000	592.00	B2	2	42.00	336.00	256.00
	Description	Description					Description				
	WAITING	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
94		W1E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
	Description	Description					Description				
	PRISONERS REST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
95		W1E	3	74.00	4,000	888.00	B2	3	42.00	504.00	384.00
	Description	Description					Description				
	PRISONERS REST	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
96		W1E	10	74.00	8,760	6,482.40	B2	10	42.00	3,679.20	2,803.20
	Description	Description					Description				
	HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
97		T2R	13	60.00	8,760	6,832.80	B2	13	42.00	4,782.96	2,049.84
	Description	Description					Description				
	HALL	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
98		S2	2	80.00	500	80.00	B4T.1	1	84.00	42.00	38.00
	Description	Description					Description				
	BOILER ROOM	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
1		I1	3	80.00	8,760	2,102.40	B2.1	3	42.00	1,103.76	998.64
	Description	Description					Description				
	STORAGE	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
2		I1	9	80.00	500	360.00	B2.1	9	42.00	189.00	171.00
	Description	Description					Description				
	STORAGE	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



3		H1	4	460.00	500	920.00	R4	4	234.00	468.00	452.00	
	Description	Description					Description					
	WAREHOUS E	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (4) T5 HO LAMPS, (1) T5 ELECTRONIC BALLAST					
1		X1	2	40.00	8,760	700.80	X1	2	2.00	35.04	665.76	
	Description	Description					Description					
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS					REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP					
2		W4R	1	112.00	8,760	981.12	B4	1	84.00	735.84	245.28	
	Description	Description					Description					
	HALL	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		W4R	2	112.00	2,500	560.00	B4	2	84.00	420.00	140.00	
	Description	Description					Description					
	HALL	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4	6	W4	8	160.00	2,200	2,816.00	B4TY	4	126.00	1,108.80	1,707.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
5	6	W4R	2	112.00	2,200	492.80	B2Y	2	65.00	286.00	206.80	
	Description	Description					Description					
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
6	5	W4	8	160.00	2,200	2,816.00	B4TY	4	126.00	1,108.80	1,707.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
7	4	W4	8	160.00	2,200	2,816.00	B4TY	4	126.00	1,108.80	1,707.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
8	4	W4R	2	112.00	2,200	492.80	B2Y	2	65.00	286.00	206.80	
	Description	Description					Description					
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
9		S2R	2	60.00	2,000	240.00	L2	2	52.00	208.00	32.00	
	Description	Description					Description					
	OFFICE	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS					
10		C1	1	60.00	1,000	60.00	F2	1	20.00	20.00	40.00	
	Description	Description					Description					
	STAFF REST	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
11		W4	3	160.00	2,200	1,056.00	B2Y	3	65.00	429.00	627.00	
	Description	Description					Description					
	PRISONERS REST	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
12	2	W4	8	160.00	2,200	2,816.00	B4TY	4	126.00	1,108.80	1,707.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
13	2	W4R	2	112.00	2,200	492.80	B2Y	2	65.00	286.00	206.80	
	Description	Description					Description					
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
14	3	W4	8	160.00	2,200	2,816.00	B4TY	4	126.00	1,108.80	1,707.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
15	3	W4R	2	112.00	2,200	492.80	B2Y	2	65.00	286.00	206.80	
	Description	Description					Description					
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					



16	1	W4	9	160.00	2,200	3,168.00	B4TY	4	126.00	1,108.80	2,059.20	
	Description	Description					Description					
	CLASS	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40/T12/CW/MM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT HIGH EFFICIENCY ELECTRONIC BALLAST					
17	1	W4R	1	112.00	2,200	246.40	B2Y	2	65.00	286.00	-39.60	
	Description	Description					Description					
	CLASS	4' WRAP W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST AND ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
1		W1E	32	74.00	8,760	20,743.68	B4T	16	84.00	11,773.44	8,970.24	
	Description	Description					Description					
	VISITORS CENTER	4' WRAP W/ (2) 34 WATT F40T12/CW/MM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
2		W1R	12	60.00	8,760	6,307.20	B4T	6	84.00	4,415.04	1,892.16	
	Description	Description					Description					
	VISITORS CENTER	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
3		F1	6	15.00	8,760	788.40	L22	6	15.00	788.40	0.00	
	Description	Description					Description					
	VISITORS CENTER	15 WATT COMPACT FLUORESCENT LAMP					LEAVE ALONE					
4		V2R	7	60.00	8,760	3,679.20	B2	7	42.00	2,575.44	1,103.76	
	Description	Description					Description					
	VISITORS CENTER	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		V2R	2	60.00	8,760	1,051.20	B2	2	42.00	735.84	315.36	
	Description	Description					Description					
	LOCKERS	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		V2R	1	60.00	4,000	240.00	B2	1	42.00	168.00	72.00	
	Description	Description					Description					
	STAFF REST	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7		T1E	2	148.00	2,000	592.00	A1	2	48.00	192.00	400.00	
	Description	Description					Description					
	OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/MM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		T2R	6	60.00	8,760	3,153.60	B2	6	42.00	2,207.52	946.08	
	Description	Description					Description					
	CONTROL ROOM	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		V2R	13	60.00	8,760	6,832.80	B2	13	42.00	4,782.96	2,049.84	
	Description	Description					Description					
	HALL	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
10		T1E	4	148.00	2,000	1,184.00	A1	4	48.00	384.00	800.00	
	Description	Description					Description					
	OFFICES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/MM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
11		T2R	4	60.00	3,000	720.00	B2	4	42.00	504.00	216.00	
	Description	Description					Description					
	CONF	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
12		W1E	3	74.00	6,000	1,332.00	B2	3	42.00	756.00	576.00	
	Description	Description					Description					
	RESTS	4' WRAP W/ (2) 34 WATT F40T12/CW/MM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
13		S2R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68	
	Description	Description					Description					
	CUST	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
14		T1R	11	112.00	8,760	10,792.32	A1	11	48.00	4,625.28	6,167.04	
	Description	Description					Description					
	HALL	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



15	V2R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68
Description	Description					Description				
WAITING	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16	T1	3	160.00	500	240.00	A1	3	48.00	72.00	168.00
Description	Description					Description				
CONTROL ROOM	2X4 RECESSED TROFFER W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
17	I3E	1	128.00	500	64.00	D2W	1	84.00	42.00	22.00
Description	Description					Description				
MECH	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18	W1	10	80.00	4,000	3,200.00	B4T	5	84.00	1,680.00	1,520.00
Description	Description					Description				
MAIL ROOMS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
19	T1R	4	112.00	3,000	1,344.00	A1	4	48.00	576.00	768.00
Description	Description					Description				
CONF	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
20	T1E	4	148.00	8,760	5,185.92	A1	4	48.00	1,681.92	3,504.00
Description	Description					Description				
OPEN OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
21	T4E	1	74.00	8,760	648.24	A3	1	30.00	262.80	385.44
Description	Description					Description				
OPEN OFFICE	2X2 RECESSED TROFFER W/ (2) 34 WATT F40/U6/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					CUSTOM 2X2 SPECULAR REFLECTOR RETROFIT KIT, (2) F17T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
22	T1E	4	148.00	3,000	1,776.00	A1	4	48.00	576.00	1,200.00
Description	Description					Description				
OPEN OFFICE	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
23	T4E	2	74.00	3,000	444.00	A3	2	30.00	180.00	264.00
Description	Description					Description				
OPEN OFFICE	2X2 RECESSED TROFFER W/ (2) 34 WATT F40/U6/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					CUSTOM 2X2 SPECULAR REFLECTOR RETROFIT KIT, (2) F17T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
24	T1E	10	148.00	2,000	2,960.00	B2R	10	48.00	960.00	2,000.00
Description	Description					Description				
OFFICES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
25	W1	4	80.00	2,000	640.00	B4T	2	84.00	336.00	304.00
Description	Description					Description				
OFFICES	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
26	W1	2	80.00	2,000	320.00	B2.1	2	42.00	168.00	152.00
Description	Description					Description				
STAFF RESTS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
27	S2R	1	60.00	500	30.00	L2	1	52.00	26.00	4.00
Description	Description					Description				
CLOSET	4' SURFACE STRIP W/ (2) F32T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
28	T2E	2	74.00	1,000	148.00	B2	2	42.00	84.00	64.00
Description	Description					Description				
STORAGE	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



29		I3E	2	128.00	500	128.00	D2W	2	84.00	84.00	44.00
	Description	Description					Description				
	MECH	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
30		T3E	1	74.00	8,760	648.24	B2	1	42.00	367.92	280.32
	Description	Description					Description				
	SUPPLIES	1X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
31		W1	2	80.00	7,000	1,120.00	B2	2	42.00	588.00	532.00
	Description	Description					Description				
	RESTS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
32		T1E	6	148.00	8,760	7,778.88	A1	6	48.00	2,522.88	5,256.00
	Description	Description					Description				
	RECEPTION	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
33		T1R	10	112.00	8,760	9,811.20	A1	10	48.00	4,204.80	5,606.40
	Description	Description					Description				
	RECEPTION	2X4 RECESSED TROFFER W/ (4) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					CUSTOM 2X4 SPECULAR REFLECTOR RETROFIT KIT, (2) F28T8 LAMPS, (1) REGULAR PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
34		T2E	2	74.00	2,000	296.00	B2	2	42.00	168.00	128.00
	Description	Description					Description				
	OFFICE	2X4 RECESSED TROFFER W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
35		T2R	8	60.00	2,500	1,200.00	B2	8	42.00	840.00	360.00
	Description	Description					Description				
	OPEN OFFICE	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
36		T2R	4	60.00	3,000	720.00	B2	4	42.00	504.00	216.00
	Description	Description					Description				
	LOUNGE	2X4 RECESSED TROFFER W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
37		W1E	2	74.00	3,000	444.00	B2	2	42.00	252.00	192.00
	Description	Description					Description				
	VENDING	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
38		W1	1	80.00	8,760	700.80	B2	1	42.00	367.92	332.88
	Description	Description					Description				
	KITCHENETTE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
39		W1	2	80.00	500	80.00	B2	2	42.00	42.00	38.00
	Description	Description					Description				
	STORAGE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
1		W1E	4	74.00	3,000	888.00	B2R	4	48.00	576.00	312.00
	Description	Description					Description				
	HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
2		W1E	6	74.00	3,000	1,332.00	B2R	6	48.00	864.00	468.00
	Description	Description					Description				
	OFFICES	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
3		W4E	3	148.00	3,000	1,332.00	B2R	3	48.00	432.00	900.00
	Description	Description					Description				
	OFFICE	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
4		W1E	3	74.00	3,000	666.00	B2R	3	48.00	432.00	234.00
	Description	Description					Description				
	OFFICE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



5		W1E	2	74.00	3,000	444.00	B2R	2	48.00	288.00	156.00
	Description	Description					Description				
	OFFICE	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		W4E	8	148.00	3,120	3,694.08	B2Y	8	65.00	1,622.40	2,071.68
	Description	Description					Description				
	SHIP / REC	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
7		W4E	2	148.00	500	148.00	B2Y	2	65.00	65.00	83.00
	Description	Description					Description				
	MECH	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
8		W4E	3	148.00	3,120	1,385.28	B2Y	3	65.00	608.40	776.88
	Description	Description					Description				
	LOCKER / REST	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
9		W1E	2	74.00	3,000	444.00	B2	2	42.00	252.00	192.00
	Description	Description					Description				
	RESTS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
10		W4E	7	148.00	500	518.00	B2R.1	7	48.00	168.00	350.00
	Description	Description					Description				
	UP STORAGE	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
11		W1E	4	74.00	3,120	923.52	B2R	4	48.00	599.04	324.48
	Description	Description					Description				
	HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
12		W4E	4	148.00	3,120	1,847.04	B2R	4	48.00	599.04	1,248.00
	Description	Description					Description				
	CONTROL ROOM	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13		H1	17	460.00	3,120	24,398.40	V6P	17	222.00	11,774.88	12,623.52
	Description	Description					Description				
	PROCESS	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS				
14		H1	6	460.00	3,120	8,611.20	V6PO	6	89.00	1,666.08	6,945.12
	Description	Description					Description				
	CLEANING	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR				
15		W1E	2	74.00	3,120	461.76	B2R	2	48.00	299.52	162.24
	Description	Description					Description				
	HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16		H1	6	460.00	3,120	8,611.20	V6PO	6	89.00	1,666.08	6,945.12
	Description	Description					Description				
	PARKING	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS, INTEGRAL OCCUPANCY SENSOR				
17		W1E	10	74.00	3,120	2,308.80	B2R	10	48.00	1,497.60	811.20
	Description	Description					Description				
	HALL	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) REG PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18		H1	8	460.00	3,120	11,481.60	V6P	8	222.00	5,541.12	5,940.48
	Description	Description					Description				
	COOLERS	400 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS				



19		H1	14	460.00	3,120	20,092.80	V6P	14	222.00	9,696.96	10,395.84
	Description	Description				Description					
	FREEZER	400 WATT METAL HALIDE FIXTURE				REPLACEMENT W/ 4' WIDE VAPORTIGHT FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (6) 32 WATT F32T8 LAMPS, (2) HIGH LIGHT OUTPUT ELECTRONIC BALLASTS, VAPORTIGHT LENS					
20		X1	1	40.00	8,760	350.40	X2	1	2.00	17.52	332.88
	Description	Description				Description					
	EXIT	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS				REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS					
21		W4E	7	148.00	1,000	1,036.00	B2Y	7	65.00	455.00	581.00
	Description	Description				Description					
	MECH	4' WRAP W/ (4) 34 WATT F40T12/CW/MM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
22		C2	6	100.00	500	300.00	F3.1	6	27.00	81.00	219.00
	Description	Description				Description					
	GARAGE	100 WATT INCANDESCENT				26 WATT COMPACT FLUORESCENT LAMP					
23		C1	10	60.00	500	300.00	F2.1	10	20.00	100.00	200.00
	Description	Description				Description					
	UP STORAGE	60 WATT INCANDESCENT				18 WATT COMPACT FLUORESCENT LAMP					
1		F3	24	27.00	4,000	2,592.00	L10	24	27.00	2,592.00	0.00
	Description	Description				Description					
	ABCD WINGS	26 WATT COMPACT FLUORESCENT LAMP				LEAVE ALONE					
2		F7	24	20.00	8,760	4,204.80	L11	24	20.00	4,204.80	0.00
	Description	Description				Description					
	ABCD WINGS	SURFACE 12X12 FIXTURE W/ (2) 9 WATT COMPACT FLUORESCENT LAMPS				LEAVE ALONE					
3		BD4	96	116.00	2,000	22,272.00	L4.1	96	98.00	18,816.00	3,456.00
	Description	Description				Description					
	ABCD WINGS	BEDLIGHT WITH (4) 32 WATT F32T8 LAMPS (2) UP, (2) DOWN, (2) ELECTRONIC BALLASTS				RELAMP EXISTING FIXTURE W/ (4) F28T8 LAMPS					
4		W1R	28	60.00	8,760	14,716.80	B4T	14	84.00	10,301.76	4,415.04
	Description	Description				Description					
	COMMON	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		W1R	4	60.00	8,760	2,102.40	B2	4	42.00	1,471.68	630.72
	Description	Description				Description					
	COMMON	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		F7	6	20.00	8,760	1,051.20	L11	6	20.00	1,051.20	0.00
	Description	Description				Description					
	COMMON	SURFACE 12X12 FIXTURE W/ (2) 9 WATT COMPACT FLUORESCENT LAMPS				LEAVE ALONE					
7		W1R	12	60.00	5,000	3,600.00	B4T	6	84.00	2,520.00	1,080.00
	Description	Description				Description					
	LOUNGE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
8		W1R	6	60.00	5,000	1,800.00	B2	6	42.00	1,260.00	540.00
	Description	Description				Description					
	LOUNGE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		W1R	32	60.00	5,000	9,600.00	B4T	16	84.00	6,720.00	2,880.00
	Description	Description				Description					
	T.V. ROOM	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
10		W1R	24	60.00	8,760	12,614.40	B4T	12	84.00	8,830.08	3,784.32
	Description	Description				Description					
	RESTROOMS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				TANDEM RELAMP REBALLAST W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
11		W1R	2	60.00	8,760	1,051.20	B2	2	42.00	735.84	315.36
	Description	Description				Description					
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



12		W1R	4	60.00	2,000	480.00	B2	4	42.00	336.00	144.00
	Description	Description					Description				
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13		W1R	2	60.00	500	60.00	B2	2	42.00	42.00	18.00
	Description	Description					Description				
	CUST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
14		W1R	2	60.00	8,760	1,051.20	B2	2	42.00	735.84	315.36
	Description	Description					Description				
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15		W1R	2	60.00	2,000	240.00	B2	2	42.00	168.00	72.00
	Description	Description					Description				
	OFFICE	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16		W1R	2	60.00	3,000	360.00	B2	2	42.00	252.00	108.00
	Description	Description					Description				
	LAUNDRY	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
17		W1R	2	60.00	3,000	360.00	B2	2	42.00	252.00	108.00
	Description	Description					Description				
	HALL / LOCKERS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
18		W1R	1	60.00	8,760	525.60	B2	1	42.00	367.92	157.68
	Description	Description					Description				
	STAFF REST	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
19		W1R	18	60.00	1,000	1,080.00	L2.1	18	52.00	936.00	144.00
	Description	Description					Description				
	MECH	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
20		W1R	4	60.00	2,000	480.00	L2.1	4	52.00	416.00	64.00
	Description	Description					Description				
	BOILER ROOM	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP EXISTING FIXTURE W/ (2) F28T8 LAMPS				
22		C1	1	60.00	500	30.00	F2	1	20.00	10.00	20.00
	Description	Description					Description				
	SHACK	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP				
1		S2	3	80.00	8,760	2,102.40	B2S.1	3	42.00	1,103.76	998.64
	Description	Description					Description				
	BLOCK 10	4' SURFACE STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST AND NO LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST, T8 LAMP SHATTER GUARD				
2		H3	7	1,100.00	6,500	50,050.00	R8	7	690.00	31,395.00	18,655.00
	Description	Description					Description				
	BLOCK 10	1000 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 2X8 FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (12) F54T5 HO LAMPS, (3) T5 ELECTRONIC BALLASTS, WIRE PROTECTIVE CAGES				
3		F8	126	9.00	8,760	9,933.84	L12	126	9.00	9,933.84	0.00
	Description	Description					Description				
	BLOCK 10	7 WATT COMPACT FLUORESCENT LAMP					LEAVE ALONE				
4		VA2R	2	60.00	8,760	1,051.20	B2.1	2	42.00	735.84	315.36
	Description	Description					Description				
	BLOCK 10	4' VANDEL RESISTANT WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
5		W5	10	44.00	8,760	3,854.40	B1	10	22.00	1,927.20	1,927.20
	Description	Description					Description				
	BLOCK 10	4' SURFACE WRAP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
6		W1	3	80.00	8,760	2,102.40	B2	3	42.00	1,103.76	998.64
	Description	Description					Description				
	BLOCK 10	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				



7		F2	1	20.00	8,760	175.20	L11	1	20.00	175.20	0.00	
	Description	Description					Description					
	BLOCK 10	18 WATT COMPACT FLUORESCENT LAMP					LEAVE ALONE					
8		VA2	40	80.00	8,760	28,032.00	B2.1	40	42.00	14,716.80	13,315.20	
	Description	Description					Description					
	BLOCK 10	4' VANDEL RESISTANT WRAP W/ (2) 34 WATT F40T12/CW LAMPS, (1) STANDARD MAGNETIC BALLAST					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
9		W1B	258	86.00	2,000	44,376.00	B2.1	258	42.00	21,672.00	22,704.00	
	Description	Description					Description					
	CELLS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
10		W1R	100	60.00	2,000	12,000.00	B2.1	100	42.00	8,400.00	3,600.00	
	Description	Description					Description					
	CELLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
11		V2	11	80.00	8,760	7,708.80	V2V	11	48.00	4,625.28	3,083.52	
	Description	Description					Description					
	SHOWERS	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, VAPORTIGHT LENS					REPLACE W/ (1) 4' VAPORTIGHT STRIP W/ (2) F28T8 LAMPS, (1) REGULAR POWER HIGH EFFICIENCY BALLAST					
12		V2R	1	60.00	8,760	525.60	B2.1	1	42.00	367.92	157.68	
	Description	Description					Description					
	SHOWERS	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
13		S1	100	44.00	100	440.00	B1.1	100	22.00	220.00	220.00	
	Description	Description					Description					
	BEHIND CELLS	4' SURFACE STRIP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
14		C1	10	60.00	2,000	1,200.00	F2.1	10	20.00	400.00	800.00	
	Description	Description					Description					
	CUST CLOSETS	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
15		C1	10	60.00	100	60.00	F2.1	10	20.00	20.00	40.00	
	Description	Description					Description					
	STORAGES	60 WATT INCANDESCENT					18 WATT COMPACT FLUORESCENT LAMP					
16		W1	12	80.00	500	480.00	B2.1	12	42.00	252.00	228.00	
	Description	Description					Description					
	STORAGES	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
17		W4	6	160.00	2,000	1,920.00	B2Y	6	65.00	780.00	1,140.00	
	Description	Description					Description					
	OFFICES	4' WIDE SURFACE WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
18		W1	2	80.00	8,760	1,401.60	B2	2	42.00	735.84	665.76	
	Description	Description					Description					
	STAFF RATES	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
19		W1	3	80.00	8,760	2,102.40	B2	3	42.00	1,103.76	998.64	
	Description	Description					Description					
	GUARD OFFICE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
20		H3	6	1,100.00	6,500	42,900.00	R8	6	690.00	26,910.00	15,990.00	
	Description	Description					Description					
	BLOCK 9	1000 WATT METAL HALIDE FIXTURE					REPLACEMENT W/ 2X8 FLUORESCENT HIGH BAY FIXTURE W/ INTEGRAL SPECULAR REFLECTOR, (12) F54T5 HO LAMPS, (3) T5 ELECTRONIC BALLASTS, WIRE PROTECTIVE CAGES					
21		F8	115	9.00	8,760	9,066.60	L11	115	20.00	20,148.00	-11,081.40	
	Description	Description					Description					
	BLOCK 9	7 WATT COMPACT FLUORESCENT LAMP					LEAVE ALONE					
22		W5	11	44.00	8,760	4,239.84	B1.1	11	22.00	2,119.92	2,119.92	
	Description	Description					Description					
	BLOCK 9	4' SURFACE WRAP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
23		W1	8	80.00	8,760	5,606.40	B2.1	8	42.00	2,943.36	2,663.04	
	Description	Description					Description					
	BLOCK 9	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					



24	VA2	4	80.00	8,760	2,803.20	B2.1	4	42.00	1,471.68	1,331.52
Description	Description				Description					
BLOCK 9	4' VANDEL RESISTANT WRAP W/ (2) 34 WATT F40T12/CW LAMPS, (1) STANDARD MAGNETIC BALLAST				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
26	W1R	100	60.00	2,000	12,000.00	B2.1	100	42.00	8,400.00	3,600.00
Description	Description				Description					
CELLS	4' SURFACE WRAP W/ (2) 32 WATT F32T8 LAMPS, (1) ELECTRONIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
27	W1B	258	86.00	2,000	44,376.00	B2.1	258	42.00	21,672.00	22,704.00
Description	Description				Description					
CELLS	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
28	W1	3	80.00	8,760	2,102.40	B2	3	42.00	1,103.76	998.64
Description	Description				Description					
GUARD OFFICE	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
29	W4E	6	148.00	2,000	1,776.00	B2Y	6	65.00	780.00	996.00
Description	Description				Description					
OFFICE	4' WRAP W/ (4) 34 WATT F40T12/CW/WM LAMPS, (2) ENERGY SAVING MAGNETIC BALLASTS AND AN ACRYLIC WRAP LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST					
30	C1	10	60.00	1,000	600.00	F2.1	10	20.00	200.00	400.00
Description	Description				Description					
CUST / STORAGE	60 WATT INCANDESCENT				18 WATT COMPACT FLUORESCENT LAMP					
31	S1	100	44.00	100	440.00	B1.1	100	22.00	220.00	220.00
Description	Description				Description					
BEHIND CELLS	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, NO LENS				RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
32	F8	10	9.00	500	45.00	L11	10	20.00	100.00	-55.00
Description	Description				Description					
CUST / STORAGE	7 WATT COMPACT FLUORESCENT LAMP				LEAVE ALONE					
33	V2R	4	60.00	8,760	2,102.40	B2.1	4	42.00	1,471.68	630.72
Description	Description				Description					
SHOWERS	4' VAPORTIGHT STRIP FIXTURE W/ (2) F32T8 LAMPS, (1) 2-F32T8 ELECTRONIC BALLAST, VAPORTIGHT LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
34	V2	8	80.00	8,760	5,606.40	V2V	8	48.00	3,363.84	2,242.56
Description	Description				Description					
SHOWER	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, VAPORTIGHT LENS				REPLACE W/ (1) 4' VAPORTIGHT STRIP W/ (2) F28T8 LAMPS, (1) REGULAR POWER HIGH EFFICIENCY BALLAST					
35	W1	2	80.00	1,000	160.00	B2.1	2	42.00	84.00	76.00
Description	Description				Description					
SUPPLIES	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
36	W1	3	80.00	8,760	2,102.40	B2.1	3	42.00	1,103.76	998.64
Description	Description				Description					
LAUNDRY	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
37	F9	120	10.00	8,760	10,512.00	L13	120	10.00	10,512.00	0.00
Description	Description				Description					
8 BLOCK	9 WATT CFL				LEAVE ALONE					
38	W1	6	80.00	8,760	4,204.80	B2.1	6	42.00	2,207.52	1,997.28
Description	Description				Description					
8 BLOCK	4' SURFACE WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
39	W5	46	44.00	8,760	17,730.24	B1.1	46	22.00	8,865.12	8,865.12
Description	Description				Description					
8 BLOCK	4' SURFACE WRAP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				RELAMP REBALLAST W/ (1) F28T8 LAMP, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
40	W5	10	44.00	0	0.00	L14	10	44.00	0.00	0.00
Description	Description				Description					
8 BLOCK	4' SURFACE WRAP W/ (1) 34 WATT F40T12/CW/WM LAMP, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS				LEAVE ALONE					



41		S1E	100	40.00	0	0.00	L15	100	40.00	0.00	0.00
	Description	Description					Description				
	BEHIND CELLS	4' SURFACE STRIP W/ (1) 34 WATT F40/T12/CW/WM LAMP, (1) ENERGY SAVING MAGNETIC BALLAST, NO LENS					LEAVE ALONE				
42		W1B	370	86.00	0	0.00	L16	370	86.00	0.00	0.00
	Description	Description					Description				
	CELLS	4' SURFACE WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					LEAVE ALONE				
43		H3	7	1,100.00	0	0.00	L17	7	1,100.00	0.00	0.00
	Description	Description					Description				
	8 BLOCK	1000 WATT METAL HALIDE FIXTURE					LEAVE ALONE				
44		V2E	10	74.00	0	0.00	L18	10	74.00	0.00	0.00
	Description	Description					Description				
	SHOWERS	4' SURFACE VAPORTIGHT STRIP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, VAPORTIGHT LENS					LEAVE ALONE				
45		W1	4	80.00	0	0.00	L19	4	80.00	0.00	0.00
	Description	Description					Description				
	GUARD OFFICE	4' SURFACE WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					LEAVE ALONE				
8		T1	1	160.00	8,760	1,401.60	B2Y.1	1	65.00	569.40	832.20
	Description	Description					Description				
	STORAGES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
8.1		T1	12	160.00	1,000	1,920.00	B2Y.1	12	65.00	780.00	1,140.00
	Description	Description					Description				
	STORAGES	2X4 RECESSED TROFFER W/ (4) 34 WATT F40/T12/CW/WM LAMPS, (2) STANDARD MAGNETIC BALLASTS, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) HIGH LIGHT OUTPUT ELECTRONIC BALLAST				
9		W1	5	80.00	2,000	800.00	B2.1	5	42.00	420.00	380.00
	Description	Description					Description				
	OFFICE	4' SURFACE WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
10		C4	3	40.00	1,000	120.00	F11	3	10.00	30.00	90.00
	Description	Description					Description				
	REST	40 WATT INCANDESCENT					10 WATT COMPACT FLUORESCENT GLOBE SCREW IN LAMP				
11		C1	1	60.00	1,000	60.00	F1	1	15.00	15.00	45.00
	Description	Description					Description				
	REST	60 WATT INCANDESCENT					15 WATT COMPACT FLUORESCENT LAMP				
12		W1E	2	74.00	1,000	148.00	B2	2	42.00	84.00	64.00
	Description	Description					Description				
	TOOL ROOM	4' WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
13		I3E	2	128.00	8,760	2,242.56	D2W	2	84.00	1,471.68	770.88
	Description	Description					Description				
	TOOL ROOM	8' INDUSTRIAL W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST					8' INDUSTRIAL CUSTOM WHITE METAL REFLECTOR RETROFIT KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
14		W1	3	80.00	500	120.00	B2.1	3	42.00	63.00	57.00
	Description	Description					Description				
	STORAGE / REST	4' SURFACE WRAP W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, ACRYLIC LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
15		S3	6	132.00	500	396.00	D1.1	6	84.00	252.00	144.00
	Description	Description					Description				
	MEZZ	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
16		I1	2	80.00	500	80.00	B2	2	42.00	42.00	38.00
	Description	Description					Description				
	MECH	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40/T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST				
2		X1	2	40.00	8,760	700.80	X2	2	2.00	35.04	665.76
	Description	Description					Description				
	EXITS	EXIT SIGN W/ (2) 20 WATT INCANDESCENT LAMPS					REPLACEMENT W/ LED EXIT SIGN W/ BATTERY BACK-UP AND EMERGENCY LIGHTS				



3		W1E	12	74.00	2,000	1,776.00	B2	12	42.00	1,008.00	768.00	
	Description	Description					Description					
	CLASSROOM	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
4		W1E	3	74.00	500	111.00	B2	3	42.00	63.00	48.00	
	Description	Description					Description					
	STORAGE / RESTS	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
5		W1E	1	74.00	1,000	74.00	B2.1	1	42.00	42.00	32.00	
	Description	Description					Description					
	GREENHOUSES	4' WRAP W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) ENERGY SAVING MAGNETIC BALLAST, ACRYLIC WRAP LENS					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
6		I1	1	80.00	1,000	80.00	B2.1	1	42.00	42.00	38.00	
	Description	Description					Description					
	GREENHOUSES	4' SURFACE INDUSTRIAL W/ (2) 34 WATT F40T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, HOODED					RELAMP REBALLAST W/ (2) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
7		S3	3	132.00	1,000	396.00	D1.1	3	84.00	252.00	144.00	
	Description	Description					Description					
	GREENHOUSES	8' SURFACE STRIP W/ (2) 60 WATT F96T12/CW/WM LAMPS, (1) STANDARD MAGNETIC BALLAST, NO LENS					8' STRIP CONVERSION KIT W/ (4) F28T8 LAMPS, (1) LOW PWR HIGH EFFICIENCY ELECTRONIC BALLAST					
1		NONE					L100	30	0.00			
	Description	Description					Description					
	LENSES						4' ACRYLIC LENS REPLACEMENT					

Existing Fixture Totals	Total Quantity	Total KW	Total KWH
	6,065	589.49	2,015,775.61

Existing Fixture Totals	Total Quantity	Total KW	Total KWH
	5,921	337.06	1,112,219.65

Total KWH Savings
903,555.96



Occupancy Sensor Schedule of Equipment:

2		B4T	12	84.00	5,000	5,040.00	O3A	4	126.00	2,520.00	2,520.00	
	Description	Description					Description					
	T.V. ROOMS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
2		B4T	12	84.00	5,000	5,040.00	O3A	4	126.00	2,520.00	2,520.00	
	Description	Description					Description					
	T.V. ROOMS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
2.1		B4	22	84.00	4,368	8,072.06	O2	2	647.00	5,652.19	2,419.87	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
3		B4	12	84.00	4,368	4,402.94	O2	1	706.00	3,083.81	1,319.14	
	Description	Description					Description					
	LIBRARY	4' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
6		B2	15	42.00	3,500	2,205.00	O2	1	441.00	1,543.50	661.50	
	Description	Description					Description					
	LIBRARY	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
7		B2	7	42.00	3,500	1,029.00	O2	1	206.00	721.00	308.00	
	Description	Description					Description					
	LIBRARY	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
8		B4TS	1	84.00	3,500	294.00	O2	1	59.00	206.50	87.50	
	Description	Description					Description					
	LIBRARY	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
9		B4TS	3	84.00	3,500	882.00	O2	1	176.00	616.00	266.00	
	Description	Description					Description					
	LIBRARY	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
13		B2	4	42.00	2,000	336.00	O1.1	1	126.00	252.00	84.00	
	Description	Description					Description					
	OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH 2-POLE OCCUPANCY SENSOR					
14		B2	8	42.00	3,500	1,176.00	O2	1	235.00	822.50	353.50	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
15.1		B2	12	42.00	3,500	1,764.00	O2	1	353.00	1,235.50	528.50	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
18		B4TS	4	84.00	2,000	672.00	O1	2	126.00	504.00	168.00	
	Description	Description					Description					
	OFFICES	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
24		B4T	2	84.00	3,500	588.00	O1	1	84.00	294.00	294.00	
	Description	Description					Description					
	OFFICE	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
2		A1	12	48.00	2,000	1,152.00	O2	1	403.00	806.00	346.00	
	Description	Description					Description					
	CLASS	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
3		A1	12	48.00	2,000	1,152.00	O2	1	403.00	806.00	346.00	
	Description	Description					Description					
	CLASS	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
1		A1	2	48.00	2,000	192.00	O1	1	72.00	144.00	48.00	
	Description	Description					Description					
	OFFICE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH OCCUPANCY SENSOR					
2		A1	3	48.00	2,500	360.00	O2	1	108.00	270.00	90.00	
	Description	Description					Description					
	OPEN OFFICE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					



3		A1	7	48.00	2,500	840.00	O2	1	168.00	420.00	420.00	
	Description	Description					Description					
	CONF	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
1		R3	15	177.00	6,000	15,930.00	O5	1	1,859.00	11,154.00	4,776.00	
	Description	Description					Description					
	GYM	2X4 FLUORESCENT HIGH BAY FIXTURE W/ (3) F54T5HO LAMPS, (1) ELECTRONIC BALLAST					INSTALL NEW LOW VOLTAGE OCCUPANCY SENSOR SYSTEM					
4		A1	2	48.00	2,000	192.00	O1.1	1	72.00	144.00	48.00	
	Description	Description					Description					
	OFFICE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH 2-POLE OCCUPANCY SENSOR					
5		A1	2	48.00	2,500	240.00	O1	1	48.00	120.00	120.00	
	Description	Description					Description					
	LOUNGE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH OCCUPANCY SENSOR					
7		A1	4	48.00	2,000	384.00	O1.1	2	72.00	288.00	96.00	
	Description	Description					Description					
	OFFICES	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH 2-POLE OCCUPANCY SENSOR					
11		A1	13	48.00	2,000	1,248.00	O1.1	3	156.00	936.00	312.00	
	Description	Description					Description					
	OFFICES	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH 2-POLE OCCUPANCY SENSOR					
12		A1	12	48.00	2,000	1,152.00	O2.1	1	288.00	576.00	576.00	
	Description	Description					Description					
	CONF	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					CEILING MOUNTED LOW VOLTAGE 2-POLE OCCUPANCY SENSOR					
16		B2R	2	48.00	2,500	240.00	O1	1	48.00	120.00	120.00	
	Description	Description					Description					
	COPY	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
17		A1	4	48.00	2,000	384.00	O1.1	2	72.00	288.00	96.00	
	Description	Description					Description					
	OFFICE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH 2-POLE OCCUPANCY SENSOR					
21		B2R	16	48.00	5,500	4,224.00	O3	6	64.00	2,112.00	2,112.00	
	Description	Description					Description					
	LOCKER / REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR					
22		B2R	3	48.00	5,500	792.00	O1	1	58.00	319.00	473.00	
	Description	Description					Description					
	KITCHENETTE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
24		B2R	2	48.00	3,000	288.00	O1	1	72.00	216.00	72.00	
	Description	Description					Description					
	OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
3		D1	2	84.00	2,184	366.91	O2	1	118.00	257.71	109.20	
	Description	Description					Description					
	CLASS	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
9		B2Y	4	65.00	2,184	567.84	O3A	1	65.00	141.96	425.88	
	Description	Description					Description					
	TOOL CRIB	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
25		B2	3	42.00	2,184	275.18	O3A	1	31.00	67.70	207.48	
	Description	Description					Description					
	TOOL ROOM	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
26		D2W	3	84.00	2,184	550.37	O3A	1	63.00	137.59	412.78	
	Description	Description					Description					
	TOOL ROOM	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS					CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
38		A1	1	48.00	2,000	96.00	O1.1	1	72.00	72.00	24.00	
	Description	Description					Description					
	OFFICE	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH 2-POLE OCCUPANCY SENSOR					



39	B2	1	42.00	2,000	84.00	O1.1	1	63.00	63.00	21.00
Description	Description				Description					
OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH 2-POLE OCCUPANCY SENSOR					
43	D2W	3	84.00	2,184	550.37	O2	1	63.00	137.59	412.78
Description	Description				Description					
STORAGE CRIBS	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
44	D2RW	11	94.00	2,184	2,258.26	O2	4	65.00	567.84	1,690.42
Description	Description				Description					
STORAGE CRIBS	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
1	B2	2	42.00	7,000	588.00	O1	1	21.00	147.00	441.00
Description	Description				Description					
REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
26	V4	1	84.00	8,760	735.84	O3A	1	8.00	70.08	665.76
Description	Description				Description					
DRY GOODS	8' VAPORTIGHT STRIP FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, VAPORTIGHT LENS				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
27	B2	2	42.00	8,760	735.84	O3A	1	8.00	70.08	665.76
Description	Description				Description					
DRY GOODS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
28	B2	7	42.00	8,760	2,575.44	O3A	1	29.00	254.04	2,321.40
Description	Description				Description					
DRY GOODS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
29	D9	1	127.00	8,760	1,112.52	O1	1	13.00	113.88	998.64
Description	Description				Description					
SUPPLIES	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				WALL SWITCH OCCUPANCY SENSOR					
31	B2	4	42.00	3,000	504.00	O1	2	63.00	378.00	126.00
Description	Description				Description					
OFFICES	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
11	L2	5	52.00	2,000	520.00	O1	1	195.00	390.00	130.00
Description	Description				Description					
OFFICE	FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
18	B2	4	42.00	3,000	504.00	O1	1	126.00	378.00	126.00
Description	Description				Description					
OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
19	B2	6	42.00	3,640	917.28	O3A	1	189.00	687.96	229.32
Description	Description				Description					
OPEN OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
59	B2	4	42.00	8,760	1,471.68	O4	1	42.00	367.92	1,103.76
Description	Description				Description					
HALL	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				HALLWAY CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR SYSTEM					
60	D2W	4	84.00	8,760	2,943.36	O3A	1	84.00	735.84	2,207.52
Description	Description				Description					
BREAK ROOM	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
61	A1	4	48.00	8,760	1,681.92	O3	1	48.00	420.48	1,261.44
Description	Description				Description					
VENDING	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR				CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR					
68	D1	3	84.00	3,000	756.00	O1	1	189.00	567.00	189.00
Description	Description				Description					
OFFICE	8' FIXTURE W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST, NO LENS				WALL SWITCH OCCUPANCY SENSOR					
77	B2	2	42.00	4,000	336.00	O1	1	34.00	136.00	200.00
Description	Description				Description					
REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
83	A1	20	48.00	2,000	1,920.00	O1	12	60.00	1,440.00	480.00
Description	Description				Description					
OFFICES	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR				WALL SWITCH OCCUPANCY SENSOR					



90		B2	6	42.00	2,000	504.00	O1	3	63.00	378.00	126.00	
	Description	Description					Description					
	OFFICES	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
91		B2	2	42.00	4,000	336.00	O1	1	34.00	136.00	200.00	
	Description	Description					Description					
	REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					
4	6	B4TY	4	127.00	2,200	1,117.60	O2	1	711.00	782.10	335.50	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
5	6	B2Y	2	65.00	2,200	286.00	O2	1	182.00	200.20	85.80	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
6	5	B4TY	4	127.00	2,200	1,117.60	O2	1	356.00	783.20	334.40	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
7	4	B4TY	4	127.00	2,200	1,117.60	O2	1	711.00	782.10	335.50	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
8	4	B2Y	2	65.00	2,200	286.00	O2	1	182.00	200.20	85.80	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
11		B2Y	3	65.00	2,200	429.00	O3	1	78.00	171.60	257.40	
	Description	Description					Description					
	PRISONERS REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR					
12	2	B4TY	4	127.00	2,200	1,117.60	O2	1	711.00	782.10	335.50	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
13	2	B2Y	2	65.00	2,200	286.00	O2	1	182.00	200.20	85.80	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
14	3	B4TY	4	127.00	2,200	1,117.60	O2	1	711.00	782.10	335.50	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
15	3	B2Y	2	65.00	2,200	286.00	O2	1	182.00	200.20	85.80	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
16	1	B4TY	4	127.00	2,200	1,117.60	O2	1	711.00	782.10	335.50	
	Description	Description					Description					
	CLASS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
17	1	B2Y	2	65.00	2,200	286.00	O2	1	182.00	200.20	85.80	
	Description	Description					Description					
	CLASS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
1		B4T	16	84.00	8,760	11,773.44	O2	2	336.00	5,886.72	5,886.72	
	Description	Description					Description					
	VISITORS CENTER	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
2		B4T	6	84.00	8,760	4,415.04	O2	1	252.00	2,207.52	2,207.52	
	Description	Description					Description					
	VISITORS CENTER	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST					CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
10		A1	4	48.00	2,000	384.00	O1	2	72.00	288.00	96.00	
	Description	Description					Description					
	OFFICES	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR					WALL SWITCH OCCUPANCY SENSOR					
11		B2	4	42.00	3,000	504.00	O1	1	84.00	252.00	252.00	
	Description	Description					Description					
	CONF	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST					WALL SWITCH OCCUPANCY SENSOR					



12	B2	3	42.00	6,000	756.00	O1	3	10.00	180.00	576.00
Description	Description				Description					
RESTS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
13	B2	1	42.00	8,760	367.92	O1	1	4.00	35.04	332.88
Description	Description				Description					
CUST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
18	B4T	5	84.00	4,000	1,680.00	O2	1	210.00	840.00	840.00
Description	Description				Description					
MAIL ROOMS	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
19	A1	4	48.00	3,000	576.00	O1.1	1	96.00	288.00	288.00
Description	Description				Description					
CONF	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR				WALL SWITCH 2-POLE OCCUPANCY SENSOR					
24	B2R	10	48.00	2,000	960.00	O1	4	90.00	720.00	240.00
Description	Description				Description					
OFFICES	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
25	B4T	2	84.00	2,000	336.00	O1	1	126.00	252.00	84.00
Description	Description				Description					
OFFICES	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
31	B2	2	42.00	7,000	588.00	O1P	2	17.00	238.00	350.00
Description	Description				Description					
RESTS	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR					
32	A1	6	48.00	8,760	2,522.88	O2	1	144.00	1,261.44	1,261.44
Description	Description				Description					
RECEPTION	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
33	A1	10	48.00	8,760	4,204.80	O2	1	240.00	2,102.40	2,102.40
Description	Description				Description					
RECEPTION	2X4 TROFFER W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST, REFLECTOR				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
36	B2	4	42.00	3,000	504.00	O2	1	84.00	252.00	252.00
Description	Description				Description					
LOUNGE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR					
37	B2	2	42.00	3,000	252.00	O1	1	42.00	126.00	126.00
Description	Description				Description					
VENDING	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
38	B2	1	42.00	8,760	367.92	O1	1	21.00	183.96	183.96
Description	Description				Description					
KITCHENETTE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
8	B2Y	3	65.00	3,120	608.40	O3	1	78.00	243.36	365.04
Description	Description				Description					
LOCKER / REST	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR					
7	B4T	6	84.00	5,000	2,520.00	O3A	1	252.00	1,260.00	1,260.00
Description	Description				Description					
LOUNGE	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
8	B2	6	42.00	5,000	1,260.00	O3A	1	126.00	630.00	630.00
Description	Description				Description					
LOUNGE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
9	B4T	16	84.00	5,000	6,720.00	O3A	4	168.00	3,360.00	3,360.00
Description	Description				Description					
T.V. ROOM	TANDEM 4' FIXTURES W/ (4) F28T8 LAMPS, (1) ELECTRONIC BALLAST				CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR					
12	B2	4	42.00	2,000	336.00	O1	2	63.00	252.00	84.00
Description	Description				Description					
OFFICE	4' FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH OCCUPANCY SENSOR					
20	L2.1	4	52.00	2,000	416.00	O1P	1	21.00	42.00	374.00
Description	Description				Description					
BOILER ROOM	FIXTURE W/ (2) F28T8 LAMPS, (1) ELECTRONIC BALLAST				WALL SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR					



Existing Fixture Totals	Total Quantity	Total KW	Total KWH
	486	32.28	133,778.82

Proposed Fixture Totals	Total Quantity	Total KW	Total KWH
	124	18.89	73,572.42

Total KWH Savings
60,206.40



3) Water Conservation Equipment Schedule:

PARNALL CORRECTIONAL FACILITY

I-CON Systems Retrofit – Flush Valve & Lavator

Unit	Floor	Cell Numbers	Exist FV
9 Block	1	Cells 7-31	Sloan 3.5 Royal Flush Valve
9 Block	1	Cells 44-65	Sloan 3.5 Royal Flush Valve
9 Block	2	Cells 1-34	Sloan 3.5 Royal Flush Valve
9 Block	2	Cells 37-70	Sloan 3.5 Royal Flush Valve
9 Block	3	Cells 1-34	Sloan 3.5 Royal Flush Valve
9 Block	3	Cells 37-70	Sloan 3.5 Royal Flush Valve
9 Block	4	Cells 1-34	Sloan 3.5 Royal Flush Valve
9 Block	4	Cells 37-70	Sloan 3.5 Royal Flush Valve
9 Block	5	Cells 1-34	Sloan 3.5 Royal Flush Valve
9 Block	5	Cells 37-70	Sloan 3.5 Royal Flush Valve
10 Block	1	Cells 7-35	Sloan 3.5 Royal Flush Valve
10 Block	1	Cells 44-65	Sloan 3.5 Royal Flush Valve
10 Block	2	Cells 1-37	Sloan 3.5 Royal Flush Valve
10 Block	2	Cells 40-76	Sloan 3.5 Royal Flush Valve
10 Block	3	Cells 1-37	Sloan 3.5 Royal Flush Valve
10 Block	3	Cells 40-76	Sloan 3.5 Royal Flush Valve
10 Block	4	Cells 1-37	Sloan 3.5 Royal Flush Valve
10 Block	4	Cells 40-76	Sloan 3.5 Royal Flush Valve
10 Block	5	Cells 1-37	Sloan 3.5 Royal Flush Valve
10 Block	5	Cells 40-76	Sloan 3.5 Royal Flush Valve

Unit	Floor	Side	Exist FV	Quantity
16 Housing	1	South 1	Sloan Royal 3.5	5
16 Housing	1	South 2	Sloan Royal 3.5	5
16 Housing	1	North 1	Sloan Royal 3.5	5
16 Housing	1	North 2	Sloan Royal 3.5	5
16 Housing	1	South 1	Sloan Royal 1.5	4
16 Housing	1	South 2	Sloan Royal 1.5	4
16 Housing	1	North 1	Sloan Royal 1.5	4
16 Housing	1	North 2	Sloan Royal 1.5	4

Unit	Room	Exist FV	Quantity
218 Regional Warehouse	Inmate Restroom	Sloan 3.5 Toilet Flush Valve	1
218 Regional Warehouse	Shakedown	Sloan 3.5 Toilet Flush Valve	1
218 Regional Warehouse	Shakedown	Sloan 1.5 Urinal Flush Valve	1



Unit	Floor	Shower Numbers	Exist Shower Valve
9 Block	1	24	Sloan Single Temperature Mechanical Valve
10 Block	1	24	Sloan Single Temperature Mechanical Valve

Toilet Fixtures

Location	Area	Room	Fixture Description	Quantity	Retrofit
198 Programs	Hall	Inmate Restroom	Tank Type 3.5 GPF	1	Y
200 Levin School	Annex	Inmate Restroom	Tank Type 1.6 GPF	1	N
219 Gym	Gym	Inmate Restroom	FMFO Sloan 3.5	3	Y
26 Power House	Hall	Inmate Restroom	FMFO Sloan 3.5	1	Y
30 Transportation	Main Area	Inmate Restroom	FMFO Sloan 3.5	2	Y
30 Transportation	Main Area	Inmate Restroom	FMFO Sloan 3.5	2	Y
32 Furniture Factory	Main Area	Inmate Restroom	FMFO Sloan 3.5	4	Y
32 Furniture Factory	Main Area	Inmate Restroom	FMFO Sloan 3.5	4	Y
32 Furniture Factory	Main Area	Inmate Restroom	FMFO Sloan 3.5	1	Y
32 Furniture Factory	Main Area	Inmate Restroom	FMFO Sloan 3.5	2	Y
71 Auto Building	Hall	Inmate Restroom	FMFO Sloan 3.5	1	Y
71 Auto Building		Inmate Restroom	FMFO Sloan 3.5	1	Y
71 Auto Building		Inmate Restroom	FMFO Sloan 3.5	1	Y
74 Maintenance	Back Hall	Inmate Restroom	FMFO Sloan 3.5	2	Y
79 Kitchen	Main Kitchen	Inmate Restroom	FMFO Sloan 3.5	1	Y
80 Creamery	Hall	Inmate Restroom	FMFO Sloan Royal LC	1	N
80 Medical	Hall	Inmate Restroom	Tank Type 1.6 GPF	1	N
80 Medical	Hall	Inmate Restroom	Tank Type ADA 1.6 GPF	1	N
80 Property Room	Main Area	Inmate Restroom	Tank Type 1.6 GPF	1	N
91 Levin School	Classrooms	Inmate Restroom	FMFO Sloan 3.5 Amer Std	2	Y
A Unit	North 1	Inmate Restroom	FMFO Sloan 3.5	3	Y
A Unit	North 1	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
A Unit	North 2	Inmate Restroom	FMFO Sloan 3.5	3	Y
A Unit	North 2	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
A Unit	South 3	Inmate Restroom	FMFO Sloan 3.5	3	Y
A Unit	South 3	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
A Unit	South 4	Inmate Restroom	FMFO Sloan 3.5	3	Y
A Unit	South 4	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
B Unit	North 1	Inmate Restroom	FMFO Sloan 3.5	3	Y
B Unit	North 1	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
B Unit	North 2	Inmate Restroom	FMFO Sloan 3.5	3	Y
B Unit	North 2	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
B Unit	South 3	Inmate Restroom	FMFO Sloan 3.5	3	Y
B Unit	South 3	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
B Unit	South 4	Inmate Restroom	FMFO Sloan 3.5	3	Y
B Unit	South 4	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
126 Old Bakery	Main Area	Inmate Restroom	FMFO ADA Sloan 3.5	1	Y
137 Horticulture	Back Hall	Inmate Restroom	FMFO Sloan 3.5	1	Y
138 Distribution Center	Main Area	Inmate Restroom	WMWO4 Sloan 1.6	1	N
137 Regional Maintenance	Shop	Inmate Restroom	FMFO ADA Sloan 1.6	1	N
137 Regional Maintenance	Shop	Inmate Restroom	FMFO ADA Sloan 1.6	1	N



9 Block		Staff Restroom	WMWO4 Sloan 3.5	1	Y
10 Block		Staff Restroom	WMWO4 Sloan 3.5	1	Y
92 Entrance	Visitation	Inmate Restroom	Tank Type ADA 3.5 GPF	1	Y
93 Entrance	Control Center	Staff Restroom	Tank Type ADA 3.5 GPF	1	Y
94 Entrance	Office	Staff Restroom	Tank Type 3.5 GPF	1	Y
95 Entrance	Office	Staff Restroom	Tank Type 3.5 GPF	1	Y
96 Entrance	Visitation	Staff Restroom	Tank Type ADA 3.5 GPF	1	Y
97 Entrance	Visitation	Staff Restroom	Tank Type ADA 3.5 GPF	1	Y
16 Housing	Hall	Staff Restroom	WMWO4 Sloan 3.5	1	Y
198 Programs	Law Library	Staff Restroom	Tank Type 3.5 GPF	1	Y
201 Levin Admin	Admin	Staff Restroom	Tank Type 1.6 GPF	1	N
219 Gym	Gym	Staff Restroom	FMFO Sloan 3.5	1	Y
26 Power House	Hall	Staff Restroom	FMFO Sloan 3.5	1	Y
30 Transportation	Main Area	Staff Restroom	FMFO Sloan 3.5	1	Y
30 Transportation	Main Area	Staff Restroom	FMFO Sloan 3.5	1	Y
32 Furniture Factory	Main Area	Staff Restroom	FMFO Sloan 3.5	1	Y
32 Furniture Factory	Main Area	Staff Restroom	FMFO Sloan 3.5	1	Y
49 Sallyport	Office	Staff Restroom	Tank Type 3.5 GPF	1	Y
53 Chapel	Hall	Staff Restroom	Tank Type 3.5 GPF	1	Y
71 Auto Building		Staff Restroom	FMFO Sloan 3.5	1	Y
71 Auto Building		Staff Restroom	FMFO Sloan 3.5	1	Y
74 Maintenance	Breakroom	Staff Restroom	FMFO Sloan 3.5	2	Y
74 Maintenance	Director's Office	Staff Restroom	FMFO Sloan 3.5	1	Y
79 Kitchen	Back Hall	Staff Restroom	Tank Type 3.5 GPF	1	Y
80 Breakroom		Staff Restroom	FMFO ADA Zum 1.6	1	N
80 Creamery	Breakroom	Staff Restroom	FMFO Sloan Royal LC	1	N
80 Medical	Hall	Staff Restroom	Tank Type 1.6 GPF	1	N
80 Medical	Medical Offices	Staff Restroom	Tank Type 3.5 GPF	1	Y
80 Medical	Records	Staff Restroom	FMFO Sloan 3.5	1	Y
80 Property Room	Main Area	Staff Restroom	Tank Type 1.6 GPF	1	N
80 Quartermaster	Main Area	Staff Restroom	Tank Type 1.6 GPF	1	N
91 Levin School	Classrooms	Staff Restroom	FMFO Sloan 3.5 Amer Std	1	Y
92 Entrance	Lobby	Men's Restroom	FMFO Sloan 3.5	1	Y
92 Entrance	Lobby	Women's Restroom	FMFO Sloan 3.5	2	Y
A Unit	Connector	Staff Restroom	FMFO ADA Sloan 3.5	1	N
B Unit	Connector	Staff Restroom	FMFO ADA Sloan 3.5	1	N
126 Old Bakery	Office	Staff Restroom	FMFO ADA Sloan 3.5	1	Y
137 Horticulture	Back Hall	Staff Restroom	FMFO ADA Sloan 3.5	1	Y
138 Distribution Center	Main Area	Staff Restroom	WMWO4 Sloan 1.6	1	N
206 Meat Processing	Hall	Inmate Restroom	FMFO Sloan 3.5	1	Y
206 Meat Processing	Hall	Staff Restroom	FMFO ADA Sloan 3.5	1	Y
28 Textile	Main Area	Staff Restroom	WMWO4 Sloan Royal 3.5	1	Y
57 Warden Offices	Fitness Center	Men's Restroom	WMWO Crane Sloan 3.5	1	Y
57 Warden Offices	Fitness Center	Women's Restroom	WMWO4 Crane Sloan 3.5	1	Y



57 Warden Offices	Fitness Center	Women's Restroom	FMFO ADA Sloan 3.5	1	Y
57 Warden Offices	Personnel	Staff Restroom	WMWO4 Sloan 3.5	1	Y
57 Warden Offices	Personnel	Staff Restroom	Tank Type 1.6 Kohler	1	N
13 Front House	Hall	Men's Restroom	FMFO Sloan 3.5	3	Y
13 Front House	Hall	Women's Restroom	FMFO Sloan 3.5	2	Y
13 Front House	Lobby	Men's Restroom	FMFO ADA 1.6	2	N
13 Front House	Lobby	Women's Restroom	FMFO ADA 1.6	4	N
13 Front House	Locksmith	Staff Restroom	FMFO Sloan 3.5	1	Y
13 Front House	Offices	Men's Restroom	FMFO Sloan 3.5	1	Y
13 Front House	Offices	Women's Restroom	FMFO Sloan 3.5	1	Y
13 Front House	Stairwell	Staff Restroom	FMFO Sloan 3.5	1	Y
137 Regional Maintenance	Offices	Staff Restroom	FMFO Sloan IR 3.5	1	N
137 Regional Maintenance	Offices	Staff Restroom	FMFO Sloan IR 3.5	1	N
18 Admin	Legal Services	Men's Restroom	WMWO4 Sloan 3.5	1	Y
18 Admin	Legal Services	Staff Restroom	WMWO4 Sloan 1.6	1	N
18 Admin	Legal Services	Staff Restroom	WMWO Sloan 1.6	1	N
18 Admin	Legal Services	Staff Restroom	WMWO4 Sloan 1.6	1	N
18 Admin	Legal Services	Women's Restroom	WMWO4 Sloan 3.5	1	Y
18 Admin	RLU	Staff Restroom	WMWO4 Sloan 1.6	1	N
19 Admin	Hall	Staff Restroom	WMWO4 Sloan 3.5	1	N
19 Admin	Hall	Staff Restroom	WMWO4 Sloan 3.5	1	N
218 Regional Warehouse	Main Area	Staff Restroom	WMWO4 Sloan 3.5	1	Y
218 Regional Warehouse	Main Area	Staff Restroom	WMWO4 Sloan 3.5	3	Y
6 Block Admin	Hall	Men's Restroom	WMWO4 Sloan 1.6	1	N
6 Block Admin	Hall	Women's Restroom	WMWO4 Sloan 1.6	2	N
62 Regional Administration	Office	Staff Restroom	Tank Type 3.5	1	Y
62 Regional Administration	Office	Staff Restroom	Tank Type 3.5	1	Y
62 Regional Administration	Office	Staff Restroom	Tank Type 1.6	1	N

Urinal Fixtures

Location	Area	Room	Fixture Description	Quantity	Retrofit
200 Levin School	Annex	Inmate Restroom	3/4" Sloan 1.5	2	Y
219 Gym	Gym	Inmate Restroom	3/4" Sloan 1.5	3	Y
26 Power House	Hall	Inmate Restroom	1 1/4" Sloan 1.5	1	Y
30 Transportation	Main Area	Inmate Restroom	3/4" Sloan 1.5	1	Y
30 Transportation	Main Area	Inmate Restroom	Trough	1	N
32 Furniture Factory	Main Area	Inmate Restroom	Trough	1	N
32 Furniture Factory	Main Area	Inmate Restroom	Trough	1	N



32 Furniture Factory	Main Area	Inmate Restroom	3/4" Sloan 1.5	1	Y
32 Furniture Factory	Main Area	Inmate Restroom	3/4" Sloan 1.5	1	Y
71 Auto Building	Hall	Inmate Restroom	3/4" Sloan 1.5	1	Y
71 Auto Building		Inmate Restroom	3/4" Sloan 1.5	1	Y
74 Maintenance	Back Hall	Inmate Restroom	3/4" Sloan 1.5	1	Y
79 Kitchen	Main Kitchen	Inmate Restroom	1 1/4" Sloan 1.5	1	Y
80 Creamery	Hall	Inmate Restroom	3/4" Sloan 1.5	1	N
80 Medical	Hall	Inmate Restroom	3/4" Sloan 1.5	1	N
91 Levin School	Classrooms	Inmate Restroom	1 1/4" Sloan 1.5	2	Y
A Unit	North 1	Inmate Restroom	3/4" Sloan 1.5	1	Y
A Unit	North 2	Inmate Restroom	3/4" Sloan 1.5	1	Y
A Unit	South 3	Inmate Restroom	3/4" Sloan 1.5	1	Y
A Unit	South 4	Inmate Restroom	3/4" Sloan 1.5	1	Y
B Unit	North 1	Inmate Restroom	3/4" Sloan 1.5	1	Y
B Unit	North 2	Inmate Restroom	3/4" Sloan 1.5	1	Y
B Unit	South 3	Inmate Restroom	3/4" Sloan 1.5	1	Y
B Unit	South 4	Inmate Restroom	3/4" Sloan 1.5	1	Y
74 Maintenance	Breakroom	Staff Restroom	3/4" Sloan 1.5	1	Y
79 Kitchen	Back Hall	Staff Restroom	3/4" Sloan 1.5	1	Y
80 Medical	Hall	Staff Restroom	3/4" Sloan 1.5	1	Y
92 Entrance	Lobby	Men's Restroom	3/4" Sloan 1.5	1	Y
57 Warden Offices	Fitness Center	Men's Restroom	3/4" Sloan 1.5	1	Y
13 Front House	Hall	Men's Restroom	3/4" Sloan 1.0	2	N
13 Front House	Lobby	Men's Restroom	3/4" Sloan 1.0	1	N
6 Block Admin	Hall	Men's Restroom	3/4" Sloan 1.0	2	N

Lavatory Fixtures

Location	Area	Room	Fixture Description	Quantity	Retrofit
16 Housing	North A	Inmate Restroom	4" Center Set	1	Y
16 Housing	North A	Inmate Restroom	Single Spout Single Hole	8	Y
16 Housing	North B	Inmate Restroom	4" Center Set	1	Y
16 Housing	North B	Inmate Restroom	Single Spout Single Hole	8	Y
16 Housing	South A	Inmate Restroom	4" Center Set	1	Y
16 Housing	South A	Inmate Restroom	Single Spout Single Hole	8	Y
16 Housing	South B	Inmate Restroom	4" Center Set	1	Y
16 Housing	South B	Inmate Restroom	Single Spout Single Hole	8	Y
198 Programs	Hall	Barber Shop	8" Wide Spread Goose Neck	1	Y
198 Programs	Hall	Inmate Restroom	4" Center Set	1	Y
200 Levin School	Annex	Inmate Restroom	4" Center Set	1	Y
219 Gym	Gym	Inmate Restroom	4" Center Set	4	Y
26 Power House	Hall	Inmate Restroom	4" Center Set	1	Y
30 Transportation	Main Area	Inmate Restroom	8" Center Set Kitchen	2	Y
30 Transportation	Main Area	Inmate Restroom	Single Spout	1	N
32 Furniture Factory	Main Area	Inmate Restroom	Single Spout	2	N
32 Furniture Factory	Main Area	Inmate Restroom	Single Spout	2	N
32 Furniture Factory	Main Area	Inmate Restroom	Single Spout	1	N
32 Furniture Factory	Main Area	Inmate Restroom	Single Spout	1	N
71 Auto Building	Hall	Inmate Restroom	Single Spout	1	N



71 Auto Building		Inmate Restroom	4" Center Set Goose Neck	1	Y
71 Auto Building		Inmate Restroom	Single Spout	1	Y
74 Maintenance	Back Hall	Inmate Restroom	4" Center Set	2	Y
79 Kitchen	Main Kitchen	Inmate Restroom	4" Center Set	2	Y
80 Creamery	Hall	Inmate Restroom	4" Center Set	1	Y
80 Medical	Hall	Inmate Restroom	4" Center Set	3	Y
80 Property Room	Main Area	Inmate Restroom	4" Center Set	1	Y
91 Levin School	Classrooms	Inmate Restroom	4" Center Set	2	Y
A Unit	North 1	Inmate Restroom	4" Center Set	7	Y
A Unit	North 2	Inmate Restroom	4" Center Set	7	Y
A Unit	South 3	Inmate Restroom	4" Center Set	7	Y
A Unit	South 4	Inmate Restroom	4" Center Set	7	Y
B Unit	North 1	Inmate Restroom	4" Center Set	7	Y
B Unit	North 2	Inmate Restroom	4" Center Set	7	Y
B Unit	South 3	Inmate Restroom	4" Center Set	7	Y
B Unit	South 4	Inmate Restroom	4" Center Set	7	Y
126 Old Bakery	Main Area	Inmate Restroom	4" Center Set	1	Y
137 Horticulture	Back Hall	Inmate Restroom	4" Center Set	1	Y
138 Distribution Center	Main Area	Inmate Restroom	8" Wide Spread Goose Neck Wrist Blades	1	Y
137 Regional Maintenance	Shop	Inmate Restroom	4" Center Set	1	N
137 Regional Maintenance	Shop	Inmate Restroom	4" Center Set	1	N
18 Admin	Legal Services	Inmate Restroom	4" Center Set	1	N
19 Admin	C	Inmate Restroom	4" Center Set	1	N
19 Admin	C	Inmate Restroom	4" Center Set	1	N
218 Regional Warehouse	Main Area	Inmate Restroom	4" Center Set	1	Y
218 Regional Warehouse	Shakedown	Inmate Restroom	4" Center Set	4	Y
9 Block		Staff Restroom	4" Center Set	1	Y
10 Block		Staff Restroom	4" Center Set	1	Y
92 Entrance	Visitation	Inmate Restroom	4" Center Set	1	Y
93 Entrance	Control Center	Staff Restroom	4" Center Set	1	Y
94 Entrance	Office	Staff Restroom	4" Center Set	1	Y
95 Entrance	Office	Staff Restroom	4" Center Set	1	Y
96 Entrance	Visitation	Staff Restroom	4" Center Set	1	Y
97 Entrance	Visitation	Staff Restroom	4" Center Set	1	Y
16 Housing	Hall	Staff Restroom	4" Center Set	1	Y
198 Programs	Law Library	Staff Restroom	4" Center Set	1	Y
201 Levin Admin	Admin	Staff Restroom	Single Spout	1	N
219 Gym	Gym	Staff Restroom	4" Center Set	1	Y
26 Power House	Hall	Staff Restroom	4" Center Set	1	Y
30 Transportation	Main Area	Staff Restroom	4" Center Set	1	Y
30 Transportation	Main Area	Staff Restroom	4" Center Set	1	Y
32 Furniture Factory	Main Area	Staff Restroom	4" Center Set	1	Y
32 Furniture Factory	Main Area	Staff Restroom	4" Center Set	1	Y
49 Sallyport	Office	Staff Restroom	4" Center Set	1	Y
53 Chapel	Hall	Staff Restroom	4" Center Set	1	Y
71 Auto Building		Staff Restroom	4" Center Set	1	Y



71 Auto Building		Staff Restroom	4" Center Set	1	Y
74 Maintenance	Breakroom	Staff Restroom	4" Center Set	2	Y
74 Maintenance	Director's Office	Staff Restroom	4" Center Set	1	Y
79 Kitchen	Back Hall	Staff Restroom	4" Center Set	1	Y
79 Kitchen	Dining Hall	Dish Machine Room	Sprayer	1	Y
79 Kitchen	Dining Hall	Serving Line	4" Center Set	1	Y
79 Kitchen	Main Kitchen	Prep Area	4" Center Set Goose Neck Wrist Blades	1	Y
80 Breakroom		Staff Restroom	4" Center Set	1	Y
80 Creamery	Breakroom	Staff Restroom	4" Center Set	1	Y
80 Medical	Dental	Exam	4" Center Set Goose Neck	1	Y
80 Medical	Hall	Staff Restroom	4" Center Set	1	Y
80 Medical	Medical Offices	Staff Restroom	4" Center Set	1	Y
80 Medical	Records	Staff Restroom	4" Center Set	1	Y
80 Medical	Treatment	Exam 1-4	4" Center Set Goose Neck	4	Y
80 Property Room	Main Area	Staff Restroom	4" Center Set	1	Y
80 Quartermaster	Main Area	Staff Restroom	4" Center Set	1	Y
91 Levin School	Classrooms	Staff Restroom	4" Center Set	1	Y
92 Entrance	Lobby	Men's Restroom	4" Center Set	1	Y
92 Entrance	Lobby	Women's Restroom	4" Center Set	1	Y
A Unit	Connector	Staff Restroom	4" Center Set	1	Y
B Unit	Connector	Staff Restroom	4" Center Set	1	Y
126 Old Bakery	Office	Staff Restroom	4" Center Set	1	Y
137 Horticulture	Back Hall	Staff Restroom	4" Center Set	1	Y
138 Distribution Center	Main Area	Staff Restroom	8" Wide Spread Goose Neck Wrist Blades	1	Y
206 Meat Processing	Hall	Inmate Restroom	4" Center Set	1	N
206 Meat Processing	Hall	Staff Restroom	4" Center Set	1	N
28 Textile	Main Area	Staff Restroom	4" Center Set	1	Y
57 Warden Offices	Fitness Center	Breakroom	4" Center Set Goose Neck Wrist Blade Eye Wash	1	Y
57 Warden Offices	Fitness Center	Men's Restroom	4" Center Set	3	Y
57 Warden Offices	Fitness Center	Women's Restroom	4" Center Set	3	Y
57 Warden Offices	Personnel	Staff Restroom	4" Center Set	1	Y
57 Warden Offices	Personnel	Staff Restroom	4" Center Set	1	Y
13 Front House	Hall	Men's Restroom	4" Center Set	2	Y
13 Front House	Hall	Women's Restroom	4" Center Set	2	Y
13 Front House	Lobby	Men's Restroom	4" Center Set	2	Y
13 Front House	Lobby	Women's Restroom	4" Center Set	4	Y
13 Front House	Locksmith	Staff Restroom	4" Center Set	1	Y
13 Front House	Offices	Men's Restroom	4" Center Set	1	Y
13 Front House	Offices	Women's Restroom	4" Center Set	1	Y
13 Front House	Stairwell	Staff Restroom	Dual Single Spout	1	Y



137 Regional Maintenance	Offices	Staff Restroom	4" Center Set Goose Neck Wrist Blade	1	Y
137 Regional Maintenance	Offices	Staff Restroom	4" Center Set Goose Neck Wrist Blade	1	Y
18 Admin	Legal Services	Men's Restroom	4" Center Set	1	Y
18 Admin	Legal Services	Staff Restroom	4" Center Set	1	N
18 Admin	Legal Services	Staff Restroom	4" Center Set	1	N
18 Admin	Legal Services	Staff Restroom	4" Center Set	1	N
18 Admin	Legal Services	Women's Restroom	4" Center Set	1	Y
18 Admin	RLU	Staff Restroom	4" Center Set	1	N
19 Admin	Hall	Staff Restroom	4" Center Set	1	N
19 Admin	Hall	Staff Restroom	4" Center Set	1	N
218 Regional Warehouse	Main Area	Mop Closet	Chicago Mop Sink Faucet	1	N
218 Regional Warehouse	Main Area	Staff Restroom	4" Center Set	1	Y
218 Regional Warehouse	Main Area	Staff Restroom	4" Center Set	2	Y
6 Block Admin	Classroom A	Breakroom	8" Center Set Kitchen	1	Y
6 Block Admin	Hall	Men's Restroom	4" Center Set	2	Y
6 Block Admin	Hall	Women's Restroom	4" Center Set	2	Y
62 Regional Administration	Office	Breakroom	8" Center Set Kitchen	1	Y
62 Regional Administration	Office	Staff Restroom	4" Center Set	1	Y
62 Regional Administration	Office	Staff Restroom	4" Center Set	1	Y
62 Regional Administration	Office	Staff Restroom	4" Center Set	1	Y

Shower Fixtures

Location	Area	Room	Fixture Description	Quantity	Retrofit
16 Housing	North A	Inmate Restroom	Single Lever Mixing Valve	5	Y
16 Housing	North B	Inmate Restroom	Single Lever Mixing Valve	5	Y
16 Housing	South A	Inmate Restroom	Single Lever Mixing Valve	5	Y
16 Housing	South B	Inmate Restroom	Single Lever Mixing Valve	5	Y
32 Furniture Factory	Main Area	Inmate Restroom	Dual Temperature Mechanical	1	Y
80 Creamery	Hall	Inmate Restroom	Single Lever Mixing Faucets Delta	1	Y
A Unit	North 1	Inmate Restroom	Single Lever Mixing Faucet	4	Y
A Unit	North 2	Inmate Restroom	Single Lever Mixing Faucet	4	Y
A Unit	South 3	Inmate Restroom	Single Lever Mixing Faucet	4	Y
A Unit	South 4	Inmate Restroom	Single Lever Mixing Faucet	4	Y
B Unit	North 1	Inmate Restroom	Single Lever Mixing Faucet	4	Y
B Unit	North 2	Inmate Restroom	Single Lever Mixing Faucet	4	Y
B Unit	South 3	Inmate Restroom	Single Lever Mixing Faucet	4	Y
B Unit	South 4	Inmate Restroom	Single Lever Mixing Faucet	4	Y
80 Creamery	Breakroom	Staff Restroom	Single Lever Mixing Faucets Delta	1	Y



57 Warden Offices	Fitness Center	Men's Restroom	Single Lever Mixing Valve	2	Y
57 Warden Offices	Fitness Center	Women's Restroom	Single Lever Mixing Valve	2	Y
6 Block Admin	Hall	Men's Restroom	Single Lever Mixing Valve	1	N
6 Block Admin	Hall	Women's Restroom	Single Lever Mixing Valve	1	N



SCHEDULE B. DESCRIPTION OF FACILITY; PRE-EXISTING EQUIPMENT INVENTORY

Location: 1780 East Parnall Road, Jackson, Michigan 49201

- The original housing units opened in 1926
- Parnall has 5 housing units and has approximately 1696 inmates
- 673 cells located in 9 Block and 10 Block
- 3 dorms, A Dorm, B Dorm and 16 Housing Unit

CURRENT ADMINISTRATION

Sherry Burt, Warden

Dave Garcia, Facility Director

FACILITY

Parnall Correctional Facility shares steam and hot heating with MSI Facilities, Charles Egeler Receptions & Guidance Center and SMR Regional Offices. A Central Plant outside of Parnall provides steam and hot water for heating and domestic hot water for many sections of the Parnall Campus, Egeler, and SMR.

Cellblocks 8, 9 and 10 run on the original hot water loop that services SMR and Egeler. This system is aged and suffers from many issues. The primary issue: hot water is pumped from the main line in the basement to the top of cellblocks (5th floor) and gravity falls to radiators/convectors through the floors down to the first floor. Installed over 80 years ago, this equipment was designed for 30 year life cycle and is need of repair. Over the years; slag and other debris has clogged the lower floors causing the radiators/convectors to no longer function. This combined with stratification causes inside temps in the top of the cellblocks to soar over 90 degrees in the dead of winter.

Other buildings share a common steam loop from the Central Plant, Buildings 31, 32, 81, 71, 213, 74, 218, 80 and 79. Almost all equipment is beyond average useful service life. The buildings are heated by means of unit heaters, some air handling units and radiation; all of which are supplied with Campus District steam. Air conditioning is non existent. It was reported that the buildings are not heated properly during the colder and warmer days respectively. Many pieces of equipment were reported as not properly operating.

Stand alone Buildings 196, 197 and 16 have decentralized gas fired heating systems with dedicated domestic hot water.

All buildings share needs for updated lighting and many for updated water management systems.

Many buildings are fully sprinkled and are serviced by a standard 6" main. Pressure at the alarm check valves was generally at 100 psig.

Electrical: The incoming service comes from an on site distribution system. It was reported to me that this size service was marginal for the facility as currently configured and occupied.



SCHEDULE C. ENERGY AND COST SAVINGS GUARANTEE

1.0 DEFINITIONS

“**Acceptance of Installation**” means an authorized representative of the **Michigan Department Of Corrections (DOC)** has inspected and accepted that ESG installed Energy Conservation Measures are operational and comply with contract performance requirements and specifications. The DOC’s acceptance shall not relieve ESG from responsibility for continued compliance with contract requirements during the contract term. The Acceptance of Installation shall occur after Substantial Completion.

“**Approval**” means the DOC has completed review of submittals, deliverables or administrative documents (e.g., insurance certificates, installation schedules, planned utility interruptions, etc.) and has determined that the documents conform to contract requirements. The DOC’s approval shall not relieve ESG from responsibility for complying with contract requirements.

“**Baseline Period**” is defined as a twelve month period beginning **October 2008** and ending **September 2009** for electricity, natural gas, steam, and water & sewer. Note: that the energy use and cost is based on a 3-year average per the Audit Contract. For the purpose of an M&V baseline, the above mentioned dates will be used.

“**Energy Baseline**” shall be the energy consumption and costs prior to the installation of the energy conservation measures at the facilities. The baseline will consist of all base year energy bills applicable to the meters in the project. It may also consist of any estimated usage for unmetered energy consumption.

“**Energy Conservation Measure (ECM)**” is defined as the installation of new equipment/facilities, modification and/or alteration of existing equipment/facilities or rate structures or revised operations and maintenance procedures intended to reduce energy consumption of facilities/energy systems, improve equipment efficiency or provide equipment that complies with existing standards.

“**Energy and Operational Savings**” is the sum of the Energy Savings and Operational Savings as defined herein.

“**Energy Costs**” shall mean charges for fuel adjustments, base services, transmission, tariffs, and distributions. The Energy Costs will normally be derived or imputed from the facility’s utility bills. This method allows for updating savings calculations with changing rate schedules. In the event of a utility rate decrease, the utility rate(s) used to assign dollar cost will not drop below that of the base year.

“**Facilities**” shall mean those buildings and equipment from which the energy and operational cost savings will be realized.

“**Final Acceptance Date**” shall mean the date all of the ECM's or Measures comprising the Project (as defined in the Agreement) have been delivered, installed, and accepted by the DOC.



"First Guarantee Year" is defined as the period beginning on the first (1st) day of the month following the Final Acceptance Date and ending on the day prior to the first (1st) anniversary thereof.

"Guarantee Period" is defined as the period beginning on the first (1st) day of the First Guarantee Year and ending on the last day of the Term.

"Guarantee Year" is defined as each of the successive twelve (12) month periods commencing on the anniversary of the commencement of the First Guarantee Year throughout the Term of this Agreement.

"Guaranteed Savings" is defined as the amount of Energy and Operational Cost Savings.

"Installation Period" is from the date of award to Substantial Completion.

"Operational Costs" shall include the costs associated with operating and maintaining the Facilities. Examples include the cost of inside and outside labor to repair and maintain systems and equipment, the cost of replacement parts, the cost of deferred maintenance, the cost of lamp and ballast disposal, and the cost of new capital equipment.

"Retrofit Isolation Method" (if applicable to this Project) refers to energy audit methodologies that require pre-retrofit and post-retrofit measurements to isolate energy consumption and costs of specific facility equipment and systems impacted exclusively by this Agreement.

"Term" shall be ten years (10 years).

"Total Guarantee Year Savings" is defined as the amount of Energy and Operational Savings realized by Facilities in each Guarantee Year as a result of the Work.

2.0 TERM AND TERMINATION

The Term of this Guarantee shall commence on the first (1st) day of the first month following the date of Substantial Completion of the Work installed pursuant to this Agreement, unless terminated earlier as provided for herein.

3.0 SAVINGS GUARANTEE

3.1 Guarantee. ESG guarantees to the DOC that the Facilities will realize in each Guarantee Year savings in Energy and Operational Costs (the "Energy and Operational Savings") collectively equal to the amounts shown on Table A below. At the end of each year ESG will present the DOC with an Energy Savings Audit Report within ninety (90) days. If there is a shortfall of the Energy Savings in any year, ESG shall provide settlement within sixty (60) days of the acceptance of the report by the DOC.

3.2 Savings Report. Within ninety (90) days following the end of each of the Guarantee Years, ESG will provide the DOC with semi-annual reports ("Energy Services Guarantee



Report”). The DOC will assist ESG in generating the Energy Services Guarantee Report by authorizing ESG to contact utility companies directly for true copies of all bills pertaining to Energy Costs and Consumption together with access to the DOC’s relevant accounting records, and facilities to monitor any installed equipment relating to such Energy Costs, Consumptions, and Savings pertaining to the Energy Guarantee. Data and calculations utilized by ESG in the preparation of its Cost Savings Energy Services Guarantee Report will be made available to the DOC, along with such explanations and clarifications as the DOC may reasonably request. In the event that ESG is not provided immediate access to utility bills from the Utility, ESG will contact a Representative from the DOC to obtain this information. If there is a delay in receiving the information the ninety (90) day period will be reasonably extended to gain said access.

- 3.2.2 Operational Savings.** There are no operational savings stated in this contract.
- 3.3 Additional Savings.** ESG may identify other Energy and Operational Savings opportunities during the construction period or during any Guarantee Year. Additional Energy and Operational Savings that can be demonstrated as a result of ESG efforts that result in no additional costs to the DOC beyond the costs identified in this Agreement will be included in the annual Energy Services Guarantee Report for the applicable Guarantee Year(s).
- 3.4 Savings Prior to Final Acceptance Date.** All Energy and Operational Savings realized by the DOC that result from activities undertaken by ESG prior to Final Acceptance Date, including any utility rebates or other incentives earned as a direct result of the installed energy conservation measures provided by ESG, will be applied toward all savings shortfalls before payment is made. Energy savings that are achieved by the upgrades and modifications in the Agreement prior to completion of the entire retrofit project (or construction savings) will be added to the first year actual energy savings amount.
- 3.5 Cumulation of Savings.** The Guaranteed Savings in each Guarantee Year are considered satisfied if the Total Guarantee Year Savings for such Guarantee Year equals or exceeds the amount identified and determined as set forth in Table A. Energy savings that are achieved by the upgrades and modifications in the Agreement prior to completion of the entire retrofit project (or construction savings) will be added to the first year actual energy savings amount.
- 3.6 Hours and Practices.** See Hours of Use, Table D – Hours of Use and Environmental Space Conditions.
- 3.7 Activities and Events Adversely Impacting Savings.** The DOC shall promptly notify ESG of any activities known to the DOC, which adversely impact ESG’s ability to realize the Guaranteed Savings. If this type of situation occurs over the Guarantee Period ESG shall be entitled to reduce its Guaranteed Savings, or make necessary adjustments to the energy baseline in order to quantify the changes in the facility. This will allow ESG and the DOC to recognize and document any such adverse impact to the extent that such adverse impact is beyond ESG’s reasonable control.



The yearly guaranteed energy savings will be as follows:

	Electric	Gas	Water	Total Guaranteed \$ Savings
Units	882,071 kWh	71,077 MMBtu	56,098,000 Gallons	
Guaranteed \$ Savings Year 1	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 2	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 3	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 4	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 5	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 6	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 7	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 8	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 9	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Guaranteed \$ Savings Year 10	\$ 69,243.00	\$ 908,067.00	\$ 218,024.00	\$ 1,195,334.00
Total	\$ 692,430.00	\$ 9,080,670.00	\$ 2,180,240.00	\$ 11,953,340.00

Note: in Schedule P – Final Project Cost & Project Cash Flow Analysis, annual utility rate increase was calculated at 3%.

Also refer to **Table A – Guaranteed Savings**

ESG guarantees that the Work will result in the following sum of Total Guaranteed Year Savings over the Term as outlined in Table A:



Table A – Guaranteed Savings

Year	Annual Option A Savings Electricity, Water and Sewer	Annual Option C Savings Steam and Natural Gas	Total Annual Savings
1	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
2	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
3	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
4	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
5	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
6	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
7	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
8	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
9	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
10	\$ 287,267.00	\$ 908,067.00	\$ 1,195,334.00
Totals	\$ 2,872,670.00	\$ 9,080,670.00	\$ 11,953,340.00

Note: The Guaranteed Energy Savings is for total dollars saved not by Option or fuel type.

Table B – Baseline Information

Utility Type	Historical Baseline Period		M&V Option	Base Utility Unit Cost	Historical Baseline Utility Consumption	
	Begin	End			Utility Type	Dollars
Electricity	Oct-07	Sep-09	A	\$0.0785 /kWh	9,442,290 -kWh/yr	\$ 741,220.00
*Natural Gas	Oct-07	Sep-09	C	\$0.7882 /therm	508,257 –therms/yr	\$ 400,608.00
*Steam	Oct-07	Sep-09	C	\$1.1397 /therm	986,617 –therms/yr	\$ 1,124,447.00
Water & Sewer	Oct-07	Sep-09	A	\$3.121 /Kgal	166,864 -Kgal/yr	\$ 520,784.00
Total						\$ 2,787,059.00

*The steam and natural gas usage is for the following buildings: 8, 9, 10, 16, 28, 29, 29A, 31, 32, 71, 74, 79, 80 and 213. These buildings have been modeled for their usage, and will have new gas meters to verify their savings. No other buildings within the facility have steam or natural gas savings associated with them (except for water conservation). The baseline usage and cost for natural gas and steam listed above is only for the affected buildings which will be metered under this project.

Adjustments to the Guarantee. The Guaranteed Savings will be adjusted to account for material changes, where material is defined as any change or changes that may increase or decrease the energy consumption of the Facilities by more than 1% annually, including, but not limited to the following



-
- a. Changes in the hours of operation of any buildings constituting any part of the Facilities.
 - b. Changes in the occupancy of the buildings constituting any part of the Facilities.
 - c. Changes in the structure of buildings constituting any part of the Facilities, such as architectural features or building components.
 - d. Modifications or renovations to the buildings constituting any part of the Facilities, which may or may not change the conditioned space.
 - e. Changes to the ECM's.
 - f. Changes in utility prices and/or rate structure.
 - g. Change in utility suppliers
 - h. Change in the method of utility billing or purchasing with respect to the Facilities.
 - i. Addition or deletion of energy consuming equipment at the site.
 - j. Weather variance from base year to current year.
 - k. DOC's failure to adhere to operating and maintenance responsibilities as defined by the equipment manufacturer.
 - l. Adjustments necessary to account for lighting burnouts as documented before retrofit.
 - m. New outside air ventilation needed to bring any buildings constituting any part of the Facilities up to state government code (see Table C).
 - n. Required increases in light levels to bring any buildings constituting any part of the Facilities up to state government code.
 - o. Any condition, which affects the energy demand or consumption of Facilities, caused by DOC or its agents.

DOC will be responsible for providing ESG notice of actual or proposed material changes to the site and its anticipated effect on energy usage and consumption. DOC must notify ESG no less than thirty (30) days before a planned material change occurs, or within seventy-two (72) hours of an emergency or unplanned material change.

DOC agrees to:

- a. Not make any changes to the initial building control's system program without prior notice to ESG.
- b. Not place the building control system in a permanent 'on' status, nor will DOC manually operate or override any part of the building control system except upon equipment failure or emergency conditions.
- c. Provide access for the **COMPANY** to adjust the ECM's to ensure optimal operation and maximum energy savings.
- d. Maintain the space temperature settings for heating between 68°F and 72°F during occupied hours. Maintain space temperature settings for cooling between 72°F and 76°F during occupied hours. A heating setback temperature of 55°F and a cooling setback temperature of 80°F are to be used during non-occupied hours.



Table C – Baseline Utility Adjustment Summary

HISTORICAL UTILITY BASELINE - kWh	ASHRAE STD 62.1 2004 CELL BLOCK VENTILATION ADJUSTMENT CB#9 & CB#10 - kWh	ADJUSTED UTILITY BASELINE - kWh
9,442,290	386,166	9,828,456

- Please note that the proposed roof-mounted, Air Rotation Units (ARU) for Cell Blocks No 9 & 10 are necessary to address the State's minimum ventilation requirements for the housing units. This system shall consist of one (1) ventilation ARU for each Cell Block. Each ARU has one (1) 30-hp supply fan motor.

BASELINE UNIT ENERGY COSTS – Are outlined in Table B and were used for all calculations made under this Exhibit.

HOURS OF USE

The hours of operation for the Guarantee are set forth below and were used for all calculations made in this Attachment. These hours were agreed upon between the DOC and ESG.



Table D –Hours of Use and Environmental Space Conditions

BLDG NO	BUILDING DESCRIPTION	DAILY OCCUPIED SCHEDULE (hrs/day)	WEEKLY OCCUPIED SCHEDULE (days/week)	YEARLY OCCUPIED SCHEDULE (weeks/yr)	SET-POINT TEMP & RELATIVE HUMIDITIES					
					HEATING			COOLING		
					OCC	UNOCC	OCC RH	OCC	UNOCC	OCC RH
8	CELL BLOCK 8	0	0	0	50	50	-	-	-	-
9	CELL BLOCK 9	24	7	52	70	50	-	-	-	-
10	CELL BLOCK 10	24	7	52	70	50	-	-	-	-
16	CELL BLOCK 16	24	7	52	70	50	-	-	-	-
28	TEXTILE PLANT	0	0	0	-	-	-	-	-	-
29	DYE PLANT	0	0	0	50	50	-	-	-	-
29a	WAREHOUSE	10	7	52	70	50	-	-	-	-
31	BUILDING TRADES	12	7	52	70*	50	-	-	-	-
32	METAL FURNITURE FACTORY	12	7	52	70	50	-	-	-	-
53	TRUSTY CHAPEL	4	7	52	70	50	-	74	80	-
57	WARDEN'S BUILDING	12	7	52	70	50	-	74	80	-
61	TRAFFIC BLDG	12	7	52	70	50	-	-	-	-
71	VEHICLE SERVICE BLDG	12	7	52	70	50	-	-	-	-
74	TRUSTY MAINTENANCE	12	7	52	70	50	-	74	80	-
79	TRUSTY DINING HALL	16	7	52	70	50	-	-	-	-
80	DENTAL/CREAMERY/HEALTH CARE/QUARTERMASTER	12	7	52	70	50	-	74**	80**	-
81	WAREHOUSE	12	7	52	70	50	-	-	-	-
91	LEVIN SCHOOL	12	7	52	70	50	-	74	80	-
92	VISITING CENTER (BUBBLE)	24	7	52	70	50	-	74	80	-
94	MEAT PROCESSING	12	7	52	70	50	-	-	-	-
124	FORESTRY BUILDING	12	7	52	70	50	-	-	-	-
126	WAREHOUSE/BAKERY	12	7	52	70	50	-	-	-	-
137	SLAUGHTERHOUSE	12	7	52	70	50	-	-	-	-
138	LAUNDRY	12	7	52	70	50	-	-	-	-
195	CELL BLOCK UNIT C (WING FARM)	0	0	0	50	50	-	-	-	-
196	CELL BLOCK UNIT B	24	7	52	70	50	-	-	-	-
197	CELL BLOCK UNIT A	24	7	52	70	50	-	-	-	-
198	16 BLOCK TEMP KITCHEN	16	7	52	70	50	-	-	-	-
200	LEVIN SCHOOL ADDEX	12	7	52	70	50	-	74	80	-
201	LEVIN SCHOOL ADMINISTRATION	12	7	52	70	50	-	-	-	-
204	GREENHOUSE OFFICE	12	7	52	70	50	-	-	-	-
205	GREENHOUSE SCHOOL	12	7	52	70	50	-	-	-	-
206	GREENHOUSE (SMALL)	12	7	52	70	50	-	-	-	-
219	GYMNASIUM	12	7	52	70	50	-	-	-	-

NOTES: * Please note that the Second Floor of BLDG 31 is unoccupied 24-hours per day.

** Please note that only part of Building 80 has A/C.

SCHEDULE D. COMPENSATION TO ESCO FOR ANNUAL SERVICES

The amount included in this Contract for Measurement and Verification Monitoring is \$45,088.00 per year x 10 years = \$450,880.00. This will cover a period of ten years and is included in the overall pricing of \$13,290,958.00.

DTMB and Agency reserve the right to discontinue the Measurement and Verification Monitoring by providing thirty (30) days written notice to ESCO prior to the beginning of the next annual guarantee period.

SCHEDULE E. BASELINE ENERGY CONSUMPTION

E.1 ELECTRICAL UTILITY SUMMARY

The following sections present at least twelve consecutive months of utility consumption for electrical energy, natural gas, and water & sewer consumption of the SMR campus, including: Parnall, SMR, and Egeler:



TABLE E.1: ELECTRICAL ENERGY CONSUMPTION

USAGE DATE	TOTAL ELEC USAGE (kWh)	BILLED TOTAL COST (\$)	UNIT COSTS (\$/kWh)
2007			
OCT	2,292,420	158,798	0.0693
NOV	2,486,340	167,294	0.0673
DEC	2,383,915	178,685	0.0750
JAN	2,499,489	184,748	0.0739
FEB	2,450,557	183,086	0.0747
MAR	2,424,576	185,932	0.0767
APR	2,267,223	168,524	0.0743
MAY	2,336,515	166,619	0.0713
JUN	2,023,865	152,715	0.0755
JUL	2,384,657	180,953	0.0759
AUG	2,384,654	187,810	0.0788
SEP	2,225,183	165,518	0.0744
ANNUAL TOTALS =	28,159,394	2,080,681	0.0739
2008			
OCT	2,012,771	149,820	0.0744
NOV	2,272,869	154,900	0.0682
DEC	2,384,086	164,722	0.0691
JAN	2,043,406	154,765	0.0757
FEB	1,956,777	146,633	0.0749
MAR	2,026,261	151,344	0.0747
APR	2,057,196	154,053	0.0749
MAY	2,017,471	152,391	0.0755
JUN	2,195,678	167,852	0.0764
JUL	2,023,374	178,489	0.0882
AUG	2,112,262	167,937	0.0795
SEP	1,736,949	122,402	0.0705
ANNUAL TOTALS =	24,839,100	1,865,309	0.0751
2009			
OCT	1,692,719	128,665	0.0760
NOV	1,338,121	114,463	0.0855
DEC	1,343,044	112,072	0.0834
JAN	1,945,070	149,361	0.0768
FEB	1,802,505	136,474	0.0757
MAR	1,898,403	134,688	0.0709
APR	1,904,702	129,210	0.0678
MAY	1,864,281	155,640	0.0835
JUN	1,735,125	154,175	0.0889
JUL	2,353,806	169,268	0.0719
AUG	1,904,765	169,683	0.0891
SEP	1,763,363	137,558	0.0780
ANNUAL TOTALS =	21,545,904	1,691,257	0.0785
AVE. ELECTRICAL ENERGY USAGE =		24,848,133 -kWh/yr	
CURRENT ELECTRICAL ENERGY COST =		\$0.0785 /kWh	

The annual amount of electrical energy consumed at the SMR Campus over the last three (3) years was approximately **24,848,133-kWh/yr**. The most current electrical rate of approximately \$0.0785/kWh would result in an average electrical cost of **\$1,950,578.00/yr** for the whole campus.

It was stated in the *RFP Questions and Answers dated 5/26/10* that **38%** of the utilities consumed by the SMR Campus were attributed to the Parnall facility, which was determined base solely on building area. Therefore, the electrical energy usage allocated to the Parnall facility is base-lined at **9,442,290-kWh/yr**, or an electrical energy cost of **\$741,220.00/yr**.

E.2 NATURAL GAS UTILITY SUMMARY

Below is the natural gas utility summary for the SMR Campus:



TABLE E.2: NATURAL GAS CONSUMPTION

USAGE DATE	TOTAL NG USAGE (mcf)	TOTAL NG USAGE (therms)	NG COSTS (\$)	BILLED TOTAL COST (\$)	UNIT COSTS (\$/therm)
2007					
OCT	11,086	110,864	84,753	84,753	0.7645
NOV	17,487	174,868	135,016	135,016	0.7721
DEC	13,619	136,190	111,660	111,660	0.8199
JAN	22,958	229,584	185,013	185,013	0.8059
FEB	30,966	309,657	246,865	246,865	0.7972
MAR	16,264	162,635	129,117	129,117	0.7939
APR	13,619	136,186	108,391	108,391	0.7959
MAY	8,074	80,743	67,151	67,151	0.8317
JUN	3,133	31,332	26,033	26,033	0.8309
JUL	2,837	28,374	23,041	23,041	0.8120
AUG	1,817	18,172	14,740	14,740	0.8112
SEP	1,572	15,717	12,620	12,620	0.8029
ANNUAL TOTALS =	143,432	1,434,322	1,144,399	1,144,399	0.7979
2008					
OCT	7,585	75,846	59,785	59,785	0.7882
NOV	16,014	160,141	124,334	124,334	0.7764
DEC	22,576	225,757	170,140	170,140	0.7536
JAN	29,435	294,354	221,299	221,299	0.7518
FEB	30,476	304,764	232,426	232,426	0.7626
MAR	21,353	213,533	173,348	173,348	0.8118
APR	13,482	134,815	116,904	116,904	0.8671
MAY	12,723	127,230	127,838	127,838	1.0048
JUN	10,550	105,498	116,212	116,212	1.1016
JUL	5,477	54,770	65,594	65,594	1.1976
AUG	9,147	91,469	101,657	101,657	1.1114
SEP	3,917	39,166	41,128	41,128	1.0501
ANNUAL TOTALS =	182,734	1,827,343	1,550,666	1,550,666	0.8486
2009					
OCT	18,735	18,735	19,052	19,052	1.0169
NOV	56,258	56,258	52,759	52,759	0.9378
DEC	233,052	233,052	198,937	198,937	0.8536
JAN	251,480	251,480	205,510	205,510	0.8172
FEB	200,772	200,772	150,159	150,159	0.7479
MAR	176,117	176,117	127,739	127,739	0.7253
APR	112,151	112,151	78,877	78,877	0.7033
MAY	41,909	41,909	29,410	29,410	0.7017
JUN	18,503	18,503	13,763	13,763	0.7438
JUL	10,343	10,343	7,576	7,576	0.7324
AUG	25,741	25,741	19,091	19,091	0.7417
SEP	14,454	14,454	11,104	11,104	0.7682
ANNUAL TOTALS =	1,159,516	1,159,516	913,976	913,976	0.7882
AVE. ANNUAL NATURAL GAS USAGE =				1,473,727 -therms/yr	
CURRENT NATURAL GAS UNIT COST =				\$0.7882 /therms	

The annual amount of natural gas consumed at the SMR Campus over the last three (3) years was approximately **1,473,727-therms/yr**. The most current natural gas utility rate of approximately **\$0.7882/therm** would result in an average annual natural gas cost of **\$1,161,592/yr** for the whole campus. By comparing the total amount of therms from gas and therms from steam, it shows that **34%** of the therms come from gas.

Energy Systems Group has modeled all of the buildings in the Parnall Correctional facility; the total therms for the facility are 1,734,124. The ECMs in this project include the following buildings: 8, 9, 10, 16, 28, 29, 29a, 31, 32, 71, 74, 79, 80 and 213. These 14 buildings use a total of 1,494,875 therms/yr, 34% of those therms come from gas, equating to **508,257 therms/yr**, or a natural gas cost of **\$400,608/yr**.



E.3 STEAM UTILITY SUMMARY

Below is the steam utility summary for the SMR Campus:

TABLE E.3: STEAM CONSUMPTION

USAGE DATE	TOTAL STEAM USAGE (MLB)	TOTAL STEAM USAGE (Btu)	TOTAL STEAM USAGE (therms)	STEAM COSTS (\$)	BILLED TOTAL COST (\$)	UNIT COSTS (\$/therm)
2007						
OCT	20.4	24,337,200,000	243,372	\$275,041	\$275,041	1.1301
NOV	21.6	25,768,800,000	257,688	\$288,145	\$288,145	1.1182
DEC	25.3	30,182,900,000	301,829	\$292,820	\$292,820	0.9702
JAN	24.1	28,751,300,000	287,513	\$257,557	\$257,557	0.8958
FEB	21.7	25,888,100,000	258,881	\$295,372	\$295,372	1.1410
MAR	25	29,825,000,000	298,250	\$259,901	\$259,901	0.8714
APR	22.6	26,961,800,000	269,618	\$267,100	\$267,100	0.9907
MAY	16	19,088,000,000	190,880	\$198,815	\$198,815	1.0416
JUN	14.8	17,656,400,000	176,564	\$196,640	\$196,640	1.1137
JUL	14.9	17,775,700,000	177,757	\$209,146	\$209,146	1.1766
AUG	14.1	16,821,300,000	168,213	\$197,025	\$197,025	1.1713
SEP	20.7	24,695,100,000	246,951	\$326,808	\$326,808	1.3234
ANNUAL TOTALS =	241		2,877,516	\$3,064,368	\$3,064,368	1.0649
2008						
OCT	19.5	23,263,500,000	232,635	\$304,871	\$304,871	1.3105
NOV	19.2	22,905,600,000	229,056	\$241,422	\$241,422	1.0540
DEC	25.3	30,182,900,000	301,829	\$319,528	\$319,528	1.0586
JAN	24.4	29,109,200,000	291,092	\$305,660	\$305,660	1.0500
FEB	22.7	27,081,100,000	270,811	\$279,582	\$279,582	1.0324
MAR	22.7	27,081,100,000	270,811	\$283,175	\$283,175	1.0457
APR	18.1	21,593,300,000	215,933	\$228,012	\$228,012	1.0559
MAY	17.5	20,877,500,000	208,775	\$268,298	\$268,298	1.2851
JUN	13.9	16,582,700,000	165,827	\$230,549	\$230,549	1.3903
JUL	14.9	17,775,700,000	177,757	\$243,197	\$243,197	1.3681
AUG	13.4	15,986,200,000	159,862	\$230,819	\$230,819	1.4439
SEP	13.4	15,986,200,000	159,862	\$231,106	\$231,106	1.4457
ANNUAL TOTALS =	225		2,684,250	\$3,166,218	\$3,166,218	1.1796
2009						
OCT	26.9	32,091,700,000	320,917	\$462,507.89	\$462,508	1.4412
NOV	26.5	31,614,500,000	316,145	\$387,558.30	\$387,558	1.2259
DEC	24.5	29,228,500,000	292,285	\$363,192.40	\$363,192	1.2426
JAN	23.7	28,274,100,000	282,741	\$348,455.26	\$348,455	1.2324
FEB	23.7	28,274,100,000	282,741	\$285,927.18	\$285,927	1.0113
MAR	24.0	28,632,000,000	286,320	\$271,631.23	\$271,631	0.9487
APR	19.4	23,144,200,000	231,442	\$220,505.33	\$220,505	0.9527
MAY	19.5	23,263,500,000	232,635	\$223,726.92	\$223,727	0.9617
JUN	14.9	17,775,700,000	177,757	\$163,081.90	\$163,082	0.9174
JUL	14.9	17,775,700,000	177,757	\$224,759.38	\$224,759	1.2644
AUG	12.7	15,151,100,000	151,511	\$191,207.29	\$191,207	1.2620
SEP	19.9	23,740,700,000	237,407	\$264,680.22	\$264,680	1.1149
ANNUAL TOTALS =	251		2,989,658	\$3,407,233	\$3,407,233	1.1397
AVE. ANNUAL STEAM USAGE =				2,850,475 -therms/yr		
CURRENT STEAM UNIT COST =				\$1.1397 /therm		

The annual amount of steam utilities consumed at the SMR Campus over the last three (3) years was approximately **2,850,475-therms/yr**. Referencing the most current steam utility rate of approximately **\$1.1397/therm**, would result in an average annual steam utility cost of **\$3,248,686/yr** for the whole campus. By comparing the total amount of therms from gas and therms from steam, it shows that **66%** of the therms come from steam.

Energy Systems Group has modeled all of the buildings in the Parnall Correctional facility; the total therms for the facility are 1,734,124. The ECMs in this project include the following buildings: 8, 9, 10, 16, 28, 29, 29a, 31, 32, 71, 74, 79, 80 and 213. These 14 buildings use a total of 1,494,875 therms/yr, 66% of those therms come from steam, equating to **986,617 therms/yr**, or a steam cost of **\$1,124,447/yr**.



E.4 WATER & SEWER UTILITY SUMMARY

SMR Campus' municipal water consumption and sewer usage can be realized by the following:

TABLE E.4: WATER & SEWER CONSUMPTION

USAGE DATE	TOTAL WATER USAGE (Mgal)	TOTAL SEWER USAGE (Mgal)	TOTAL WATER COSTS (\$)	TOTAL SEWER COSTS (\$)	BILLED TOTAL COST (\$)
2007					
OCT	43.2	42.4	9,428	87,542	\$96,970
NOV	41.9	42.2	8,605	83,182	\$91,787
DEC	38.1	45.2	7,602	88,900	\$96,502
JAN	44.3	47.5	12,197	84,559	\$96,756
FEB	37.9	40.5	11,004	70,778	\$81,782
MAR	41.9	43.0	11,439	75,958	\$87,397
APR	42.1	41.0	10,243	72,521	\$82,764
MAY	41.3	40.6	9,841	71,790	\$81,631
JUN	40.4	35.1	9,192	62,535	\$71,727
JUL	43.8	34.8	19,033	64,200	\$83,233
AUG	43.1	34.9	31,664	64,427	\$96,091
SEP	38.9	36.0	17,660	64,906	\$82,566
ANNUAL TOTALS =	497	483	157,907	891,299	\$1,049,206
2008					
OCT	33.9	32.3	3,766	55,830	\$59,596
NOV	35.1	35.0	30,461	60,230	\$90,691
DEC	32.3	36.3	31,424	62,385	\$93,809
JAN	35.1	40.4	37,348	74,715	\$112,063
FEB	34.9	39.3	33,440	72,617	\$106,057
MAR	32.7	43.9	31,672	80,750	\$112,421
APR	34.0	41.8	34,330	77,105	\$111,434
MAY	32.4	40.2	31,503	74,191	\$105,693
JUN	30.4	40.9	31,907	75,534	\$107,442
JUL	36.7	41.1	34,551	76,442	\$110,992
AUG	31.0	38.0	41,159	69,823	\$110,982
SEP	33.1	40.9	35,092	78,413	\$113,505
ANNUAL TOTALS =	402	470	376,653	858,032	\$1,234,685
2009					
OCT	39.2	30.8	75,247	33,237	\$108,484
NOV	36.7	27.2	70,805	28,895	\$99,700
DEC	40.8	25.5	70,965	28,611	\$99,576
JAN	40.9	38.3	78,133	32,695	\$110,828
FEB	37.9	27.8	68,017	29,381	\$97,399
MAR	44.6	18.0	79,605	30,747	\$110,351
APR	39.7	20.8	71,209	32,534	\$103,743
MAY	39.0	14.0	69,944	32,078	\$102,021
JUN	39.1	24.1	70,134	29,731	\$99,865
JUL	39.1	19.9	70,956	33,691	\$104,647
AUG	37.6	26.6	67,308	31,183	\$98,491
SEP	37.0	15.3	67,394	31,483	\$98,877
ANNUAL TOTALS =	472	288	859,716	374,266	\$1,233,982
AVE. ANNUAL WATER USAGE = 457 -Mgal/yr AVE. ANNUAL SEWER USAGE = 414 -Mgal/yr CURRENT WATER UNIT COST = \$1,823 /Mgal CURRENT SEWER UNIT COST = \$1,298 /Mgal					

The annual amount of water & sewer utilities consumed at the SMR Campus over the last three (3) years was approximately **457-Mgal/yr (water)** and **414-Mgal/yr (sewer)**. Referencing the most current water/sewer utility rate of approximately **\$1,823/Mgal** and **\$1,298/Mgal**, would result in an average annual water and sewer utility charge of **\$1,370,483yr** for the whole campus.



It was stated in the *RFP Questions and Answers dated 5/26/10* that **38%** of the utilities consumed by the SMR Campus were attributed to the Parnall facility, which was determined based solely on building area. Therefore, the water and sewer utility allocated to the Parnall facility is base-lined at **174-Mgal/yr (water)** and **157-Mgal/yr (sewer)**, or a combined utility charge of **\$520,784/yr**.

E.5 UTILITY COST BASELINE & SUMMARY

In summary, there are four (4) main utility streams servicing the Parnall facilities: 1) electric, 2) natural gas, 3) steam, and 4) water & sewer. The baseline for the electric and water & sewer is for the whole Parnall facility; the baseline for the natural gas and steam is for the 14 buildings (8, 9, 10, 16, 28, 29, 29a, 31, 32, 71, 74, 79, 80 and 213) that will be receiving energy conservation measures. The following table summarizes the current annual costs associated with all four (4) utility steams:

TABLE E.5: CURRENT UTILITY BASELINE SUMMARY

TYPE OF UTILITY	BASELINE UTILITY UNITS	BASELINE UTILITY COST
ELECTRICITY	9,442,290 -kWh/yr	\$ 741,220.00
NATURAL GAS	508,257 -therms/yr	\$ 400,608.00
STEAM	986,617 -therms/yr	\$ 1,124,447.00
WATER & SEWER	166,864 -Kgal/yr	\$ 520,784.00
Total		\$ 2,787,059.00

SCHEDULE F. SAVINGS MEASUREMENT AND VERIFICATION PLAN; METHODOLOGY TO ADJUST BASELINE

M&V APPROACH

Per International Performance Measurement & Verification Protocol (IPMVP) (April 2007) Option A & C are the approaches used in the M&V process for verifying savings related to this project. Option A & C are being used with consideration of the characteristics of the specific ECMs, acceptable accuracy, and reasonable cost.

Option A

The verification techniques for Option A, “Retrofit Isolation: Key Parameter Measurement” savings are determined by partial field measurement of the energy use of the system(s) to which an ECM was applied, separated from the energy use of the rest of the facility. Measurement may be either short term or “continuous”. In this approach, some but not all parameters may be stipulated fairly to represent the probable actual value. This approach is the least expensive with acceptable accuracy.

Option A will be used in the verification of lighting improvements and water & sewer conservation improvements for this contract. The verification of savings will be done by utilizing a pre and post measurement on a random sample of 5-10% of the fixtures and agreed upon hours of operation and calculations.



Lighting Calculation:

Pre-measurement x hours x rate – post measurement x hours x rate = savings

Water Conservation Calculation:

Pre-measurement x average use x rate – post measurement x average use x rate = savings

All Option A savings will be verified through one-time pre and post measurements and engineering calculations as outlined in this Exhibit. Those savings will be carried forward for years two through the end of the Guarantee Period.

Option C

The purpose of Option C, “Whole Facility Measurement” is to provide systematic savings analysis for utility consumption, comparing a base year to a current year that has similar operational and environmental parameters. The required information is taken directly from a given facility’s utility bills and regional weather data. The software system utilized in this tracking will be EnergyCAP™, which is the preferred audit software.

Option C will be utilized for the appropriate buildings and accounts listed in Table B. The following outlines the steps for measuring savings using Option C.

STEP 1: ESTABLISH A BASELINE PERIOD

A) BUILDING MODELING TO DETERMINE BASELINE USAGE

For this particular project, buildings affected by steam and natural gas savings were modeled using the eQUEST program which is distributed by the United States Department of Energy (DOE). The buildings which were modeled are: 8, 9, 10, 16, 28, 29, 29A, 31, 32, 71, 74, 79, 80 and 213. The buildings were modeled to determine an accurate baseline due to the lack of metering equipment and/or utility bills for the Parnall Campus. The baseline year used in performing the building modeling was 2009.

B) DETERMINE WEATHER SENSITIVE CONSUMPTION

How warm or cool it is determines the load requirements of HVAC related equipment. It is, therefore, essential that weather be tracked so variances can be determined. Any variances from the base to current year will be adjusted so a true “apples to apples” comparison is provided.

A certain portion of each month’s energy consumption is due to base load not related to weather such as lighting, computers, and office equipment. This non-weather sensitive consumption will be present no matter what the weather conditions are; therefore, they will be separated from the weather-sensitive consumption. Using standard logic and the assumption that the energy consumption-to-weather relationship is linear, ESG along with the EnergyCAP™ software is able to statistically determine the weather and non-weather sensitive consumption.

STEP 2: APPLY CURRENT YEAR CONDITIONS

The base year is adjusted to reflect current year environmental and operational conditions. Energy consumption savings are then calculated by comparing current year consumption to adjusted base year consumption. These are as follows:



-
- Billing Period Length
 - Weather
 - Changes In Facility Occupancy Or Use
 - Additions Or Deletions Of Energy Using Equipment
 - Additions Or Deletions Of Building Square Footage
 - Changes In Energy Prices and or Rate Structures

STEP 3: GUARANTEED SAVINGS

Utility bill cost avoidance is how energy conservation measures are measured after project completion. Metering equipment will be installed for the affected buildings as a part of this project. By subtracting the Current Year Energy Cost from the Adjusted Base Year Energy Cost, the overall cost avoidance associated with that energy type is calculated. Cost avoidance is directly associated to the Energy Savings Guarantee.

Energy Audits will be based upon the environmental and operating conditions for the facility during the time periods specified in the Baseline.

Each billing period during the term will be compared to a Base Period. The actual energy use and savings will be analyzed and compared to the guaranteed energy savings amount using the IPMVP, along with the acceptable energy monitoring equipment and an industry standard energy accounting software program. The results of this analysis will be presented to the DOC on an annual basis.

METHODOLOGY FOR ASSIGNING DOLLAR VALUES TO SAVINGS

An average cost per unit will be used. Charges for fuel adjustments, base services, transmission, tariffs, and distributions will be included. In the event of a utility rate decrease, the utility rate(s) used to assign dollar cost will not drop below that of the base year.

APPLY CURRENT YEAR CONDITIONS

The measurement of energy consumption and the cost savings associated with installed energy management equipment is a comparison between the energy consumed during the current calendar period and the respective baseline calendar period.

The first step in cost avoidance calculations is the creation of a baseline. The baseline reflects the facility's energy use and energy costs before the installation of the energy conservation measures. The baseline calendar period will typically be a consecutive twelve month period for which reliable data exists before contract execution. The baseline will consist of all energy bills applicable to the meters in the Project. Once the program is in place, actual energy use is recorded from current utility bills. The costs the facility incurs after implementation of the measures are compared to the baseline in order to determine if savings projections--and guarantees--have been met.

BASELINE PERIOD ADJUSTMENTS

Proper analysis and comparison can only be achieved if the environmental and facility parameters are equal to those of the base year. Examples of factors that affect the environment



and facility parameters are weather, energy rates, facility schedules, and changes in equipment. The baseline may need to be adjusted to equalize the parameters of the current year so that an accurate analysis can be performed and valid savings can be measured. In essence, the adjustment process shows what the costs and usage would have been in the base year, under the current conditions, for an 'apples to apples' comparison. These adjustments typically cover:

- Standardize for the Number of Days in a Billing Period
- Normalize the Differences in Outdoor Temperature Through Degree Days
 - Changes In Facility Occupancy and Use
 - Additions or Deletions of Energy Using Equipment
 - Additions or Deletions of Square Footage
- Changes in Energy Prices and / or Rate Structures

Savings calculations may also be adjusted for new outside air ventilation requirements; changes in operational modes (i.e. – addition of air conditioning); and changes to comfort levels. The DOC will notify ESG within fifteen (15) business days of any significant changes in facility operations, occupancy levels, hours of operation, structure, equipment or any other changes that are reasonably expected to affect energy use by more than 1%. The impact of such changes on the guaranteed energy savings amount will be monitored through the energy monitoring systems and savings calculated through engineering analysis by ESG.

The consumption energy unit cost for each specific energy type is the total consumption related cost found on the respective utility bill, including charges for consumption, service, power factor, fuel adjustment, etc., divided by total consumption OR the stipulated energy cost given in Table C – Unit Energy Costs . Late payment charges will not be included in this calculation.

GLOBAL ASSUMPTIONS

Energy Prices:

Either the base period utility unit cost or the current period utility unit cost, whichever is greater, will be used in determining the adjusted base period utility cost. In no case, however, shall the rate used to calculate the Guaranteed Energy Savings be lower than base year utility rate.

Performance Period Utility Rate Adjustment Factors, if applicable:

Generally ESG is not responsible for any utility rate changes other than those defined in the post-installation energy policy. A rate adjustment factor will be applied to calculate actual savings regarding the changes of the utility rates. The actual energy cost savings will be the product of the calculated energy savings from defined rates and the utility adjustment factor when applicable. In no case, however, shall the rate used to calculate the Guaranteed Energy Savings be lower than base year utility rate.



SCHEDULE G. CONSTRUCTION AND INSTALLATION SCHEDULE

The timetables and milestones for project construction will consist of a 14 month construction period. All construction/installation will be in compliance with individual Agency requirements and the appropriate governing statutes.

ESG will work with all appropriate State of Michigan Agencies/Personnel, with all appropriate personnel at Parnall Correctional Facility, and our installation contractors to create a detailed schedule of equipment lead times/delivery, construction, installation work and a schedule will be prepared and agreed by all parties.

Preliminary Parnall Project Schedule

	<u>Task Name</u>	<u>Duration</u>	<u>Start</u>	<u>Finish</u>
1	Sign Contract	1 day	Thurs 11/4/10	Thurs 11/4/10
2	Subcontracts	10 days	Fri 11/5/10	Thurs 11/18/10
3	Lighting - Interior	0 days	Thurs 11/4/10	Thurs 11/4/10
4	Final Engineering	10 days	Fri 11/19/10	Thurs 12/2/10
5	Material Delivery	35 days	Fri 12/3/10	Thurs 1/20/11
6	Installation	120 days	Fri 1/21/11	Thurs 7/7/11
7	Punch List	10 days	Fri 7/8/11	Thurs 7/21/11
8	Water Conservation	0 days	Thurs 11/4/10	Thurs 11/4/10
9	Final Engineering	7 days	Fri 11/19/10	Mon 11/29/10
10	Material Delivery	85 days	Tues 11/30/10	Mon 3/28/11
11	Installation	112 days	Tues 3/29/11	Wed 8/31/11
12	Punch List	10 days	Thurs 9/1/11	Wed 9/14/11
13	Commissioning	5 days	Thurs 9/15/11	Wed 9/21/11
14	Mechanical	0 days	Thurs 11/4/10	Thurs 11/4/10
15	Final Engineering	60 days	Fri 11/19/10	Thurs 2/10/11
16	State Approvals	30 days	Fri 2/11/11	Thurs 3/24/11
17	Material Delivery	45 days	Fri 11/19/10	Thurs 1/20/11
18	Installation	215 days	Fri 1/21/11	Thurs 11/17/11
19	Punch List	20 days	Fri 11/18/11	Thurs 12/15/11
20	Commissioning	15 days	Fri 12/16/11	Thurs 1/5/12
21	Training	3 days	Fri 1/6/12	Tues 1/10/12

SCHEDULE H. SYSTEMS START-UP AND COMMISSIONING OF EQUIPMENT; OPERATING PARAMETERS OF INSTALLED EQUIPMENT

All major equipment shall be started under supervision of Authorized Manufacturer's Representatives; furthermore, a third party commissioning agent (Pro-MEC Engineering Services out of Grand Ledge, MI) shall be contracted to perform commissioning services in accordance to ASHRAE Standards. The third-party commissioning agent shall be responsible for the following: 1) verification of proper operation/achieve design conditions; 2) facilitate/aid in construction process optimization; 3) decrease energy consumption/cost of operation; 4) improve occupant satisfaction and level of comfort; 5) decrease cost of maintenance and operations; and 6) improve risk management through identification of potential future issues. The following section further describes the Commissioning Agents Scope of Work:



A. Pre-Construction Phase

1. Review Owner's Performance Requirements (OPR) and compare for consistency with Basis of Design document
2. Draft initial Commissioning Plan
3. Review mechanical submittals
4. Meet with TAB and Controls Contractor

B. Construction Phase Cx

1. Modify Plan prior to construction phase commissioning activities
2. Pre-installation Verification (PIV)
3. Pre-Startup Verification (PSV)
4. Startup Testing and Verification (STV)

C. Acceptance Phase Cx

1. Functional Performance Testing (FPT)
2. Owner Training Activities
3. Draft Final Commissioning Report

A detailed commissioning plan and schedule will be created with input from ESG, Department of Correction, Parnall Faculty, and the Commissioning Agent.

SCHEDULE I. STANDARDS OF COMFORT

The environmental conditions to be maintained by the proposed Scope of Work are in accordance with Federal, State, and Local Authorities having jurisdiction. The HVAC space temperature set-points have been established in accordance with both ASHRAE Standards and the Department of Corrections. The proposed interior light levels have been established either to matching existing light levels or in accordance with IES (Illumination Engineering Standards). The domestic hot water plants have been designed to provide tempered water (up to 110-deg F) to all laboratories, hand sinks, or showers, and to provide up to 140-deg F hot water to the Cafeteria.

Refer to the following table for the Baseline Building Area, Baseline Hours of Operations (Occupancy), and the Baseline Space Temperature Set-point Conditions:



TABLE 11: ENVIRONMENTAL SPACE CONDITIONS

BLDG NO	BUILDING DESCRIPTION	BLDG AREA	DAILY OCCUPIED SCHEDULE (hrs/day)	WEEKLY OCCUPIED SCHEDULE (days/week)	YEARLY OCCUPIED SCHEDULE (weeks/yr)	SET-POINT TEMP & RELATIVE HUMIDITIES					
						HEATING			COOLING		
						OCC	UNOCC	OCC RH	OCC	UNOCC	OCC RH
8	CELL BLOCK 8	90,860	0	0	0	50	50	-	-	-	-
9	CELL BLOCK 9	87,184	24	7	52	70	50	-	-	-	-
10	CELL BLOCK 10	91,864	24	7	52	70	50	-	-	-	-
16	CELL BLOCK 16	51,000	24	7	52	70	50	-	-	-	-
28	TEXTILE PLANT	145,000	0	0	0	-	-	-	-	-	-
29	DYE PLANT	13,300	0	0	0	50	50	-	-	-	-
29a	WAREHOUSE	12,000	10	7	52	70	50	-	-	-	-
31	BUILDING TRADES	103,100	12	7	52	70*	50	-	-	-	-
32	METAL FURNITURE FACTORY	173,800	12	7	52	70	50	-	-	-	-
53	TRUSTY CHAPEL	3,900	4	7	52	70	50	-	74	80	-
57	WARDEN'S BUILDING	9,775	12	7	52	70	50	-	74	80	-
61	TRAFFIC BLDG	1,900	12	7	52	70	50	-	-	-	-
71	VEHICLE SERVICE BLDG	16,981	12	7	52	70	50	-	-	-	-
74	TRUSTY MAINTENANCE	7,200	12	7	52	70	50	-	74	80	-
79	TRUSTY DINING HALL	15,200	16	7	52	70	50	-	-	-	-
80	DENTAL/CREAMERY/HEALTH CARE/QUARTERMASTER	52,240	12	7	52	70	50	-	74**	80**	-
81	WAREHOUSE	6,160	12	7	52	70	50	-	-	-	-
91	LEVIN SCHOOL	7,150	12	7	52	70	50	-	74	80	-
92	VISITING CENTER (BUBBLE)	7,300	24	7	52	70	50	-	74	80	-
94	MEAT PROCESSING	16,200	12	7	52	70	50	-	-	-	-
124	FORESTRY BUILDING	3,200	12	7	52	70	50	-	-	-	-
126	WAREHOUSE/BAKERY	12,900	12	7	52	70	50	-	-	-	-
137	SLAUGHTERHOUSE	6,000	12	7	52	70	50	-	-	-	-
138	LAUNDRY	41,000	12	7	52	70	50	-	-	-	-
195	CELL BLOCK UNIT C (WING FARM)	37,500	0	0	0	50	50	-	-	-	-
196	CELL BLOCK UNIT B	27,000	24	7	52	70	50	-	-	-	-
197	CELL BLOCK UNIT A	27,000	24	7	52	70	50	-	-	-	-
198	16 BLOCK TEMP KITCHEN	8,320	16	7	52	70	50	-	-	-	-
200	LEVIN SCHOOL ADDEX	1,200	12	7	52	70	50	-	74	80	-
201	LEVIN SCHOOL ADMINISTRATION	900	12	7	52	70	50	-	-	-	-
204	GREENHOUSE OFFICE	1,000	12	7	52	70	50	-	-	-	-
205	GREENHOUSE SCHOOL	920	12	7	52	70	50	-	-	-	-
206	GREENHOUSE (SMALL)	374	12	7	52	70	50	-	-	-	-
219	GYMNASIUM	10,100	12	7	52	70	50	-	-	-	-

NOTES: * Please note that the Second Floor of BLDG 31 is unoccupied 24-hours per day.
 ** Please note that only part of Building 80 has A/C.

SCHEDULE J. ESCO'S MAINTENANCE RESPONSIBILITIES

ESG has not been tasked with any maintenance contracts. After project completion; all maintenance will be handled by Parnall personnel.

SCHEDULE K. AGENCY'S MAINTENANCE RESPONSIBILITIES

ESG will provide a Preventative Maintenance Plan based on manufacturers recommendations. ESG will provide training to Parnall staff on equipment operation, maintenance and preventative maintenance.

SCHEDULE L. FACILITY MAINTENANCE CHECKLIST

As part of the PM Schedule, ESG will provide a checklist as a method by which the ESCO may record and track the Agency's compliance with any of the maintenance procedures being performed by Facility personnel.



The checklist will specify a list of tasks and the corresponding schedule for the performance of the prescribed procedures. Facility staff will complete the checklist and forward it to the ESCO, usually on a monthly basis. This checklist will be created during the project in conjunction with the Department of Corrections, ESG and Parnall staff.

SCHEDULE M. ESCO'S TRAINING RESPONSIBILITIES

ESG proposes a basic level of training for essential equipment and systems maintenance and operations for the Customer for the length of the contract, if this service is deemed necessary by your organization. We will work closely with the Facilities Management and staff to determine if additional training is needed, or desired, and stand ready to offer customized programs designed to meet the needs and objectives of the Maintenance Department.

ESG has excellent training capabilities, resources, and experience. We utilize “needs assessment” tools in evaluating our Customers’ staff experience and skill levels so we can design and develop the most effective training approach and format.

Equipment Training — ESG will provide in-house training on all equipment that is installed with our program. This training can be structured as a one-time session or continue periodically throughout the warranty period.

Operations Training — ESG will provide instruction on operating all equipment installed within the scope of our project.

Preventive Maintenance Schedule and Plan — ESG will provide the maintenance staff with a preventive maintenance schedule and plan for the newly installed equipment. Maintenance plans will be generated utilizing manufacturers’ recommended maintenance tasks and intervals.

Included in our project pricing are:

- The above referenced services for Equipment and Operations Training and Preventive Maintenance Schedules and Plan.
- Maintenance and Operations manuals for all major equipment and/or systems.
- The required Measurement and Verification services to validate that the savings guarantee is being met.
- There is no additional charge for these Technical Services
- On-site training will include video/digital recording as appropriate. Said recordings will be delivered to the Agency/DTMB.



SCHEDULE N. FINANCING AGREEMENT AND PAYMENT SCHEDULE

RESERVED FOR FINANCING AGREEMENT

PAYMENT SCHEDULE

The following Schedule N divides the Work into significant pay items. This Schedule of Values is supported by the more detailed breakdown in **Schedule A – Equipment to be Installed by ESCO.**

Additional items for mobilization, commissioning/verification and monitoring and project closeout are included. The mobilization item cannot be more that 10% of the project cost. The closeout item includes two percent of the project cost for each of the following close-out pay items: (a) fire safety inspection, certificate of occupancy and other code approvals, as specified in the Contract Documents, (b) manufacturer warranties, finalized operating and maintenance documentation, Owner training documentation, and test and balance reports, and (c) finalized as-built/Record Documents.

Mobilization	\$1,284,008.00
New HVAC for CB9 & CB10	4,382,253.00
Decentralize Building Utilities	3,908,534.00
Campus Lighting Retrofit - Interior	647,655.00
Campus Water Conservation	1,538,008.00
Textiles	61,086.00
Minimize Heat in CB8	192,613.00
Replace Dishwasher	55,516.00
Closeout	770,405.00
Monitoring & Verification	450,880.00
Total:	\$13,290,958.00

Requests for Payment: Not more than once every thirty Calendar Days, the ESCO shall submit to the Agency/DTMB Field Representative a draft Request for Payment, on DTMB Form 440, for review and comment. Upon approval of the draft Request for Payment by the Field Representative, the ESCO shall submit a Request for Payment, on DTMB Form 440, signed by the ESCO and certifying Work completed and enclosing all supporting documentation to the Agency/DTMB. Each Request for Payment must certify that all monies owed by the ESCO to Subcontractors and Suppliers for which payment previously has been sought has been paid from payments received. No Request for Payment shall include amounts for a Subcontractor or Supplier if the Contractor does not intend to use the payments requested, when received, to reduce the Contractor's outstanding obligations on the Work. The Agency/DTMB will pay the Contractor within thirty Calendar Days after the Agency/DTMB receives and approves a certified Request for Payment. The ESCO will provide a certification in writing that the payment request submittal is true and accurate. If payment is requested based on materials and equipment stored at the site or at another location agreed to in writing, the Request for Payment also must be accompanied by (a) consent of surety, (b) a bill of sale, invoice or other documentation warranting that the Agency/DTMB has received the materials and equipment free and clear of all liens, and (c) evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect them and the



Agency's/DTMB's interests. The Contractor warrants and guarantees that title to all Work, materials and equipment covered by any Request for Payment, whether incorporated in the Work or not, will pass to the Agency/DTMB free and clear of all liens no later than at the time of payment by the Agency/DTMB to the Contractor.

Validity of Requests for Payment will be ascertained by the Agency/DTMB against the above Schedule N within twenty Calendar days after receipt of a Payment Request. Any Requests for Payment deemed to be invalid will be returned to the ESCO with reasons supporting such action.

SCHEDULE O. ALTERNATIVE DISPUTE RESOLUTION PROCEDURES

Refer to Section 2.190 Dispute Resolution



SCHEDULE P. FINAL PROJECT COST & PROJECT CASH FLOW ANALYSIS

Term Years	Total Annual Savings	Measurement & Verification	Committed Capital Funding	Lease Payment	Total Annual Cost	Annual Cash Flow	Cumulative Project Savings	Cumulative Project Cost	Cumulative Cash Flow
Construction	\$ 597,667.00	\$ -	\$ 2,000,000.00		\$ 2,000,000.00	\$(1,402,333.00)	\$ 597,667.00	\$ 2,000,000.00	\$(1,402,333.00)
1	\$1,195,334.00	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 66,238.20	\$ 1,793,001.00	\$ 3,129,095.80	\$(1,336,094.80)
2	\$1,231,194.02	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 102,098.22	\$ 3,024,195.02	\$ 4,258,191.60	\$(1,233,996.58)
3	\$1,268,129.84	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 139,034.04	\$ 4,292,324.86	\$ 5,387,287.40	\$(1,094,962.54)
4	\$1,306,173.74	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 177,077.94	\$ 5,598,498.60	\$ 6,516,383.20	\$(917,884.60)
5	\$1,345,358.95	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 216,263.15	\$ 6,943,857.54	\$ 7,645,479.00	\$(701,621.46)
6	\$1,385,719.72	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 256,623.92	\$ 8,329,577.26	\$ 8,774,574.80	\$(444,997.54)
7	\$1,427,291.31	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 298,195.51	\$ 9,756,868.57	\$ 9,903,670.60	\$(146,802.03)
8	\$1,470,110.05	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 341,014.25	\$11,226,978.62	\$11,032,766.40	\$ 194,212.22
9	\$1,514,213.35	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 385,117.55	\$12,741,191.96	\$12,161,862.20	\$ 579,329.76
10	\$1,559,639.75	\$ 45,088.00		\$ 1,084,007.80	\$ 1,129,095.80	\$ 430,543.95	\$14,300,831.71	\$13,290,958.00	\$ 1,009,873.71

Total Project Cost	\$12,840,078.00
Committed Capital Funding	\$ 2,000,000.00
Financed Investment Cost	\$10,840,078.00
Rate of Financing	0.00%
Term of Financing	10 years
Total Savings Over Term	\$14,300,831.71
Annual Utility Rate Increase	3.00%
Total Net Cash Flow	\$ 1,009,873.71
Payback	9.07 years



Current Fuel Prices: Electric \$0.0785/kwh
Gas \$.0.7882/Therm
Steam \$1.1397/Therm
Water \$1.823/KGallons
Sewer \$1.298/KGallons

Guaranteed Savings Figures: \$1,195,334.00

Cash Flow Projections: See Project Cash Flow Summary work sheet above

Net Present Value: **\$13,958,301**

Savings Projections by Utility/Fuel type per year:

Therms:	\$908,067.00	710,777 Therms
Electric:	\$69,243	882,071 KWH
Water:	\$218,024	56,089/KGallons

Ongoing Annual Fees: M&V \$45,088 Service Fees: \$0.00

Project Cost Breakdowns and ESCO compensation Figures

SEE NEXT PAGE



PARNALL CORRECTIONAL FACILITY

FACILITIES AREA = 990,000-ft²

	UNITARY COST	PMGT COST	CONTINGENCY (2.5%)	PERFORMANCE BOND (1.2%)	PROJECT COST	OVERHEAD (16%)	SUB-TOTAL	PROFIT (10%)	TOTAL COST
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
#2 New HVAC for CB9, CB10									
Design	\$245,000	\$12,250	\$6,125	\$2,940	\$266,315	\$42,610	\$308,925	\$30,893	\$339,818
Material	\$1,855,000	\$92,750	\$46,375	\$22,260	\$2,016,385	\$322,622	\$2,339,007	\$233,901	\$2,572,907
Labor	\$1,645,000	\$82,250	\$41,125	\$19,740	\$1,788,115	\$286,098	\$2,074,213	\$207,421	\$2,281,635
Commissioning	\$16,300	\$815	\$408	\$196	\$17,718	\$2,835	\$20,553	\$2,055	\$22,608
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$3,761,300	\$188,065	\$94,033	\$45,136	\$4,088,533	\$654,165	\$4,742,698	\$474,270	\$5,216,968
#3 Decentralized Building Utilities									
Design	\$217,125	\$10,856	\$5,428	\$2,605	\$236,015	\$37,762	\$273,777	\$27,378	\$301,155
Material	\$1,643,944	\$82,197	\$41,099	\$19,727	\$1,786,967	\$285,915	\$2,072,882	\$207,288	\$2,280,170
Labor	\$1,457,837	\$72,892	\$36,446	\$17,494	\$1,584,669	\$253,547	\$1,838,216	\$183,822	\$2,022,037
Commissioning	\$35,800	\$1,790	\$895	\$430	\$38,915	\$6,226	\$45,141	\$4,514	\$49,655
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$3,354,706	\$167,735	\$83,868	\$40,256	\$3,646,565	\$583,450	\$4,230,015	\$423,002	\$4,653,017
#4 Campus Lighting Retrofit - Interiors									
Design	\$36,366	\$1,818	\$909	\$436	\$39,530	\$6,325	\$45,855	\$4,585	\$50,440
Material	\$275,344	\$13,767	\$6,884	\$3,304	\$299,299	\$47,888	\$347,187	\$34,719	\$381,905
Labor	\$244,174	\$12,209	\$6,104	\$2,930	\$265,417	\$42,467	\$307,884	\$30,788	\$338,672
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$555,884	\$27,794	\$13,897	\$6,671	\$604,246	\$96,679	\$700,926	\$70,093	\$771,018
#5 Campus Water Conservation									
Design	\$86,360	\$4,318	\$2,159	\$1,036	\$93,873	\$15,020	\$108,893	\$10,889	\$119,783
Material	\$653,869	\$32,693	\$16,347	\$7,846	\$710,756	\$113,721	\$824,476	\$82,448	\$906,924
Labor	\$579,847	\$28,992	\$14,496	\$6,958	\$630,294	\$100,847	\$731,141	\$73,114	\$804,255
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$1,320,076	\$66,004	\$33,002	\$15,841	\$1,434,923	\$229,588	\$1,664,510	\$166,451	\$1,830,961
#6 Textiles Abandonment									
Design	\$3,488	\$172	\$86	\$41	\$3,728	\$597	\$4,325	\$432	\$4,757
Material	\$25,970	\$1,299	\$649	\$312	\$28,229	\$4,517	\$32,746	\$3,275	\$36,021
Labor	\$23,030	\$1,152	\$576	\$276	\$25,034	\$4,005	\$29,039	\$2,904	\$31,943
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$52,430	\$2,622	\$1,311	\$629	\$56,991	\$9,119	\$66,110	\$6,611	\$72,721
#7 Minimize Heat In Building 31									
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Material	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
#8 Minimize Heat In Cell Block 8									
Design	\$10,570	\$529	\$264	\$127	\$11,490	\$1,838	\$13,328	\$1,333	\$14,661
Material	\$80,030	\$4,002	\$2,001	\$960	\$86,993	\$13,919	\$100,911	\$10,091	\$111,003
Labor	\$79,970	\$3,999	\$1,999	\$952	\$85,921	\$13,745	\$99,666	\$9,967	\$109,633
Commissioning	\$3,750	\$188	\$94	\$45	\$4,076	\$652	\$4,728	\$473	\$5,201
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$165,320	\$8,266	\$4,133	\$1,984	\$179,703	\$28,752	\$208,455	\$20,846	\$229,301
#9 Replace Dishwasher									
Design	\$3,117	\$156	\$78	\$37	\$3,389	\$542	\$3,931	\$393	\$4,324
Material	\$23,602	\$1,180	\$590	\$283	\$25,655	\$4,105	\$29,760	\$2,976	\$32,736
Labor	\$20,931	\$1,047	\$523	\$251	\$22,752	\$3,640	\$26,392	\$2,639	\$29,032
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$47,650	\$2,383	\$1,191	\$572	\$51,796	\$8,287	\$60,083	\$6,008	\$66,092
Project Total	\$9,257,366	\$462,868	\$231,434	\$111,088	\$10,062,757	\$1,610,041	\$11,672,798	\$1,167,280	\$12,840,078
MEASUREMENT & VERIFICATION (ANNUAL COSTS)									
UNITARY COST									
PMGT COST									
CONTINGENCY (2.5%)									
PERFORMANCE BOND (1.2%)									
PROJECT COST									
OVERHEAD (16%)									
SUB-TOTAL									
PROFIT (10%)									
TOTAL COST									
									(\$/yr)
M&V (ANNUAL)									\$45,088
SUBTOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,088



SCHEDULE R. ANNUAL REPORTING REQUIREMENTS

Refer to the following table in regards to summarizing the project’s energy, utility cost, and emissions reductions.

TABLE R1: UTILITY REDUCTION SUMMARY

ECM DISCRIPTION	ANNUAL ELECTRICAL ENERGY SAVINGS (kWh/yr)	ANNUAL ELECTRICAL ENERGY SAVINGS (MMBtu/yr)	ANNUAL FUEL ENERGY SAVINGS (therms/yr)	ANNUAL FUEL ENERGY SAVINGS (MMBtu/yr)	ANNUAL WATER & SEWER SAVINGS (kGal/yr)	ANNUAL COST SAVINGS (\$/yr)	CARBON DIOXIDE REDUCTION * (lbs/yr)	SULFUR DIOXIDE REDUCTION * (g/yr)	NITROUS OXIDE REDUCTION * (g/yr)
ECM NO. 2	0	0	147,182	14,718	0	167,787	7,762,309	44,848,895	15,093,378
ECM NO. 3	0	0	482,774	48,277	0	676,578	25,461,272	147,109,569	49,508,028
ECM NO. 4	882,071	3,011	0	0	0	69,243	1,587,728	9,173,538	3,087,249
ECM NO. 5	0	0			56,089	218,024	0	0	0
ECM NO. 6	0	0	41,400	4,140	0	32,631	2,183,416	12,615,294	4,245,532
ECM NO. 7	0	0	10,157	1,016	0	8,006	535,675	3,095,013	1,041,591
ECM NO. 8	0	0	17,802	1,780	0	14,032	938,869	5,424,577	1,825,579
ECM NO. 9	0	0	11,461	1,146	0	9,033	604,448	3,492,364	1,175,315
TOTALS						1,195,334	39,073,717	225,759,252	75,976,671



Schedule R- Annual Reporting Requirements

Agency Name/Agency Contact (Include Email and Phone Number)	
Facility Name/Facility Contact (Include Email and Phone Number)	
ESCO Name/ESCO Contact (Include Email and Phone Number)	
Total Square Footage of Project Site/Contract Start Date/Contract End Date	
Current Repayment Year (ex. Yr. 3/ 2005)	
Reporting Timeframe (ex. Jan 1-Dec. 31)	
Installed Project Cost (no financing costs)	
Total Contract Value of Guaranteed Savings	
Annual Value of Guaranteed Savings	
Measured Energy Savings	
Operational Savings	
 Avoided Capital Cost (if applicable)	
Annual Dollar Value of Achieved Savings	
Total Annual Achieved Energy Savings (MMBTU)	
 Electric	
 Natural Gas	
 Oil	
 Coal	
 Steam	
 Other	
Annual Water Savings (kgal)	
Annual Avoided NOx Emissions (Tons)	
Annual Avoided SOx Emissions (Tons)	
Annual Avoided CO2 Emissions (Tons)	
ENERGY STAR Rating (if applicable)	



EXHIBITS

EXHIBIT I – RESERVED FOR PERFORMANCE BOND



EXHIBIT II - RESERVED FOR LABOR AND MATERIAL PAYMENT BOND



EXHIBIT II (i) - CERTIFICATE OF ACCEPTANCE—TECHNICAL AUDIT



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF CORRECTIONS
LANSING

PATRICIA L. CARUSO
DIRECTOR

October 11, 2010

Mr. Michael Livendale
Energy Systems Group
7804 Francis Court, Suite 210
Lansing, MI 48917

Dear Mr. Livendale:

Enclosed is the Revised Notice of Acceptance of Technical Audit Report for the Parnall Correctional Facility, Contract Number 071B0200276.

The acceptance is for the latest revisions received in our office via email on September 29, 2010.

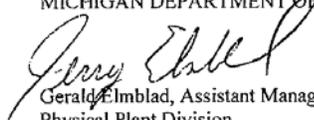
Renegotiate Incinerator/Steam Contract	cost	\$ 0 00
New HVAC for CB9, CB10	cost	\$ 5,216,968 00
Decentralized Building Utilities	cost	\$ 4,653,017 00
Campus Lighting Retrofit – Interiors	cost	\$ 771,018 00
Campus Water Conservation	cost	\$ 1,830,962.00
Textiles	cost	\$ 72,721 00
Minimize Heat in Building 31	cost	\$ 0 00
Minimize Heat in Cell Block 8	cost	\$ 229,301 00
Replace Dishwasher	cost	\$ 66,092 00
Total Improvement	cost	\$12,840,078 00
10 years Measurement and Verification	cost	\$ 450,880.00
Total Cost (Not to Exceed)		\$13,290,958 00

The total cost for the ECM's is not to exceed \$13,290,958.00 with a calculated payback period of 9.07 years

If you have any questions or concerns, please feel free to contact me at (517) 242-3599.

Sincerely,

MICHIGAN DEPARTMENT OF CORRECTIONS


Gerald Elmlad, Assistant Manager
Physical Plant Division
Bureau of Fiscal Management

Enclosures

cc: Barry Wickman, Administrator, Bureau of Fiscal Management
David M. Flack, Manager, Physical Plant Division



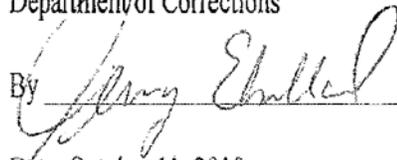
EXHIBIT B
Notice of Acceptance of Technical Energy Audit Report

Notice of Acceptance

Date of Notice October 11, 2010

Notice is hereby given that DTMB and Department of Corrections accept the Technical Energy Audit and Project Development Proposal by Contractor, as contemplated in **Section 2 of the Technical Energy Audit and Project Proposal Contract** dated July 20, 2010.

Department of Corrections

By 

Date October 11, 2010

When completely executed, this form is to be sent by certified mail to the Contractor by Department of Corrections



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF CORRECTIONS
LANSING

PATRICIA L. CARUSO
DIRECTOR

September 2, 2010

Mr. Michael Livendale
Energy Systems Group
7804 Francis Court, Suite 210
Lansing, MI 48917

Dear Mr. Livendale:

Enclosed is the Notice of Acceptance of Technical Audit Report for the Parnall Correctional Facility,
Contract Number 071B0200276

The acceptance is for the latest revisions received in our office via email on September 2, 2010

Renegotiate Incinerator/Steam Contract	cost	\$	0.00
New HVAC for CB9, CB10	cost	\$	5,216,968.00
Decentralized Building Utilities	cost	\$	4,653,017.00
Campus Lighting Retrofit – Interiors	cost	\$	771,018.00
Campus Water Conservation	cost	\$	1,830,962.00
Textiles	cost	\$	72,721.00
Minimize Heat in Building 31	cost	\$	0.00
Minimize Heat in Cell Block 8	cost	\$	229,301.00
Replace Dishwasher	cost	\$	66,092.00
Total Improvement	cost	\$	<u>12,840,078.00</u>
9.26 years Measurement and Verification	cost	\$	<u>535,283.56</u>
Total Cost (Not to Exceed)			\$13,375,361.56

The total cost for the ECM's is not to exceed **\$13,375,361.56** with a calculated payback period of 9.26 years.

If you have any questions or concerns, please feel free to contact me at (517) 242-3599.

Sincerely,

MICHIGAN DEPARTMENT OF CORRECTIONS

Gerald Elmlad, Assistant Manager
Physical Plant Division
Bureau of Fiscal Management

Enclosures

cc: Barry Wickman, Administrator, Bureau of Fiscal Management
David M. Flack, Manager, Physical Plant Division



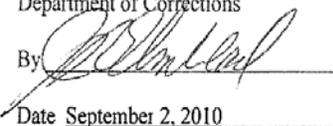
EXHIBIT B
Notice of Acceptance of Technical Energy Audit Report

Notice of Acceptance

Date of Notice September 2, 2010

Notice is hereby given that DTMB and Department of Corrections accept the Technical Energy Audit and Project Development Proposal by Contractor, as contemplated in **Section 2 of the Technical Energy Audit and Project Proposal Contract** dated July 20, 2010.

Department of Corrections

By 

Date September 2, 2010

When completely executed, this form is to be sent by certified mail to the Contractor by Department of Corrections.



**EXHIBIT II (ii) - RESERVED FOR CERTIFICATE OF ACCEPTANCE—INSTALLED
EQUIPMENT**



EXHIBIT III - EQUIPMENT WARRANTIES

A) Mechanical Equipment Warranty Summary. See Mechanical Warranty PDF attachment for specific Warranty Guarantees.

Lochinvar-Limited Commercial Cooper Tube Water Heater Warranty.

This limited warranty covers the Heat Exchanger for leakage, thermal shock or other malfunction caused by defects in materials and/or workmanship. It extends to the first buyer and to any subsequent owner(s) as long as the water heater remains installed at its original place of installation. This limited warranty is effective 60 days from the date of manufacture as determined by the serial number. Model number and serial number are found on the rating plate affixed to the water heater. Copper tube heat exchangers are warranted against leakage and thermal shock for 5 years. Parts are warranted for one year. Any replacement copper tube heat exchanger under this warranty shall remain in warranty only for the unexpired portion of the original warranty.

Aerco- Pressure Vessel/heat Exchanger

The pressure vessel/heat exchanger shall carry a 10-year prorated, limited warranty from shipment against any failure due to condensate corrosion, thermal stress, mechanical defects or workmanship. “C-More” Control Panel-labeled control panels are conditionally warranted against failure for (2) two years from shipment. All other components, with the exception of the ignitor and flame detector, are conditionally guaranteed against any failure for 18 months from shipment.

Bell & Gossett-Series 100, Series LR, NRF/NBF and Series PL Boosters

Seller warrants for a period of eighteen (18) months from date of installation-or three (3) years from product date code, whichever occurs first, that all Series 100, Series LR, NRF/NBF and Series PL Boosters are free from defects in materials or workmanship.

Dynasonics, a division of Racine Federated Inc., warrants to the end purchaser for a period of one year from the date of shipment from the factory, that all new transmitters and transducers manufactured by it are free from defects in materials and workmanship.

Greenheck warrants this equipment (Propeller Fan Products) to be free from defects in material and workmanship for a period of one year from the shipment date.

Modine Any heat exchanger (condenser) or burner which shall, within one year from date of first beneficial use by buyer or any other user, within one year from date of resale by buyer in any unchanged condition, or within eighteen months from date of shipment from Modine.

Rapid Engineering, Limitation on Warranties/Damages. Any claim under the Limited Warranty set forth in section 1 above must be made within the following time periods or such claim is waived: (a) for gas fired infrared (radiant) heaters, the claim must be made within thirty-six (36) months from the date of purchase by Buyer or forty-two (42) months from date of shipment by Seller, whichever occurs first; (b) for replacement parts, the claim must be made within the later of twelve (12) months from the date of shipment by Seller or any Limited Warranty period remaining on the deliverable with which the replacement part is used or is intended to be used; and (c) for all other deliverables, the claim must be made within twenty-four (24) months from



the date of purchase by Buyer or twenty-seven (27) months from date of shipment by Seller, whichever occurs first. For all deliverables (other than replacement parts) that require installation and start-up, the otherwise applicable warranty period shall be extended by an additional four (4) months if (i) the installation and start-up is performed by a contractor on Seller's current list of contractors who have successfully completed Seller's current installation course for that deliverable and (ii) full details of the installation and start-up are provided to Seller at or prior to the time any warranty claim is made.

Runtal radiators carry a five year (from the date of first operation, OR from six months after the date of shipment, whichever comes first) LIMITED WARRANTY covering defects in original manufacture.

Series UA, UX and UXR Infrared Heaters Warranty. The manufacturer warrants to the original owner that the product will be free of defects in material and workmanship as described below.

Burner and Controls 3 years

Hot Rolled Heat Exchanger w/o Post Purge 5 years.

Trane standard warranty is one year from start up or eighteen months from shipment (whichever is less time) on all parts pertaining to the piece of equipment.

B) Lighting and Water Equipment Warranty Summary. See Lighting and Water Equipment Warranty PDF attachment for specific Warranty Guarantees.

Lithonia Lighting warrants all products sold hereunder to be free from defect in manufacturing, under normal and proper storage, installation, and use, for a period of one (1) year from the date of shipment.

EELP Lighting, Any component of our lighting products that fails, due to a manufacturing defect, will be replaced at no cost within 1 year of the invoice date.

CFL Warranties- 8,000 Hour Lamps 12 months, 10,000 Hour Lamps 15 months, 12,000 Hour Lamps 24 Months Limited Warranty

Isolite, products offered for sale by Isolite (Manufacturer) are warranted free from defects in workmanship and material as set forth in sales brochures and specifications for each type of product. Further, Manufacturer agrees to replace free of charge any product in which the luminosity is found to be defective during its specified luminous life under prescribed standards as of the date of manufacture

OSRAM SYLVANIA Products Inc. ("OSPI") warrants SYLVANIA lamps installed on QUICKTRONIC® ballasts to be free from defects in material and workmanship and to operate from the date of installation (or date of manufacture if installation date is not known or available) for the time periods and subject to the Terms and Conditions specified below. If lamps fail to operate for the warranty period, OSPI will provide a free replacement lamp (but no labor allowance). If a QUICKTRONIC ballast fails to operate within the warranty period, OSPI will provide a free replacement ballast and labor allowance in accordance with the "Labor Options" set forth below.



System3,4 Lamp Ballast Warranty Period*8 Lamp Warranty Period*

QUICKTRONIC® T81 OCTRON XPS®, XP & XP/SS2, 3 60 mos. 36 mos.

QUICKTRONIC T81 OCTRON family 60 mos. 30 mos.

QUICKTRONIC T8 High Ambient1, 9 OCTRON XP, XP/SS2, 3 36/60mos. @<90°/70°C 36 mos.

QUICKTRONIC 59 OCTRON FO96/XP, FO96/XP/SS 60 mos. 30 mos.

QUICKTRONIC 59 OCTRON FO96 60 mos. 24 mos.

QUICKTRONIC 86/T8HO High Ambient1 OCTRON FO96HO 36/60mos. @<90°/70°C 30 mos.

QUICKTRONIC 96IS/96HO & 40T12 N/A 60 mos. N/A

QUICKTRONIC T51, T5/HO1 PENTRON® Family 60 mos. 24 mos.

QUICKTRONIC 54T5HO1 High Ambient PENTRON® FP54/HO, FP54/C/HO 36/60 mos. @<90°/70°C 36 mos.

QUICKTRONIC 54T5/HO1 PENTRON® FP54/HO, FP54/C/HO 60 mos. 36 mos.

QUICKTRONIC 54PHO & DL40 DULUX® FT55DL, FT40DL & FT40/28SS 60 mos. 12 mos.

QUICKTRONIC CF1 DULUX® D/E, T/E, T/E/IN, T/E/C 60 mos. 12 mos.

QUICKTRONIC FM FM 24 mos. 6 mos.

QUICKTRONIC ICE1, 5 ICETRON® 60 mos. 60 mos.

QUICKTRONIC MH7 METALARC® Family6 (7K-12K hrs. avg. rated life) 36/60 mos. 6 mos.

QUICKTRONIC MH7 METALARC® Family6 (15K-20K hrs. avg. rated life) 36/60 mos. 12 mos.

RAB Lighting Defective Goods: No return authorization is required. Send goods under warranty to RAB (goods must be received by RAB no later than one year from date of shipment) with written explanation of failure and application.

Renova, All fixtures manufactured by RENOVA are warranted to be free from defective materials and workmanship, and that under normal installation and operating conditions, they will be free from failure for a period of one (1) year from the date of invoice.

Sensor Switch warrants its products to be free of defects in manufacture and workmanship for a period of 60 months.

USA Technologies Inc. ("USAT") warrants to its customer ("Buyer") that the Product will be free from defects in material and workmanship for a period of 60 months from the date of shipment from our USAT factory. The total warranty period for any Product shall not exceed 60 months from the date of shipment.

Wilkins, Limited Warranty: All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of one year from the date of purchase

Symmons warrants to the original consumer purchaser/end-user that any Symmons product will be free of defects in material and workmanship during normal domestic use for the life of your home. All other purchasers including industrial, commercial or business users are warranted for a period of 5 years from the date of purchase.



APPENDICES

APPENDIX A - RFP FOR ESCO SOLICITATION

Refer to RFP No. 071I0200107 dated April 22, 2010.



APPENDIX B - ESCO PROPOSAL

Refer to Energy Systems Group LLC Proposal dated June 3, 2010.



APPENDIX C - TECHNICAL ENERGY AUDIT REPORT

**Refer to Energy Systems Group LLC Technical Energy Audit Report
dated August 20, 2010**



PRE-EXISTING SERVICE CONTRACTS – Deleted, Not Applicable

ENERGY SAVINGS PROJECTIONS

Refer to **Schedule R – Annual Reporting Requirements** for the entire facility.

FACILITY CHANGES CHECKLIST

Refer to **Section 17.2 - Reported Material Changes; Notice by Agency**

CURRENT AND KNOWN CAPITAL PROJECTS AT FACILITY – Deleted, Not Applicable



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DEFINITIONS

“Days” means calendar days unless otherwise specified.

“24x7x365” means 24 hours a day, seven days a week, and 365 days a year (including the 366th day in a leap year).

“Additional Service” means any Services/Deliverables within the scope of the Contract, but not specifically provided under any Statement of Work, that once added will result in the need to provide the Contractor with additional consideration.

“Audit Period” means the seven year period following Contractor’s provision of any work under the Contract.

“Bidder(s)” are those companies that submit a proposal in response to this RFP.

“Business Day,” whether capitalized or not, shall mean any day other than a Saturday, Sunday, Office of State **Employer mandated furlough day**, or State-recognized legal holiday (as identified in the Collective Bargaining Agreement for State employees) from 8:00am EST through 5:00pm EST unless otherwise stated.

“Blanket Purchase Order” is an alternate term for Contract and is used in the States computer system.

“Business Critical” means any function identified in any Statement of Work as Business Critical.

“Chronic Failure” is defined in any applicable Service Level Agreements.

“Deleted – Not Applicable” means that section is not applicable or included in this RFP. This is used as a placeholder to maintain consistent numbering.

“Deliverable” means physical goods and/or commodities as required or identified by a Statement of Work

“DMB” means the Michigan Department of Management and Budget

“Environmentally preferable products” means a product or service that has a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. Such products or services may include, but are not limited to, those which contain recycled content, minimize waste, conserve energy or water, and reduce the amount of toxics either disposed of or consumed.

“Excusable Failure” has the meaning given in **Section 2.244**.

“Hazardous material” means any material defined as hazardous under the latest version of federal Emergency Planning and Community Right-to-Know Act of 1986 (including revisions adopted during the term of the Contract).

“Incident” means any interruption in Services.



“ITB” is a generic term used to describe an Invitation to Bid. The ITB serves as the document for transmitting the RFP to potential Bidders

“Key Personnel” means any Personnel designated in **Section 1.031** as Key Personnel.

“New Work” means any Services/Deliverables outside the scope of the Contract and not specifically provided under any Statement of Work, that once added will result in the need to provide the Contractor with additional consideration.

“Ozone-depleting substance” means any substance the Environmental Protection Agency designates in 40 CFR part 82 as: (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or (2) Class II, including, but not limited to, hydrochlorofluorocarbons.

“Post-Consumer Waste” means any product generated by a business or consumer which has served its intended end use, and which has been separated or diverted from solid waste for the purpose of recycling into a usable commodity or product, and which does not include post-industrial waste.

“Post-Industrial Waste” means industrial by-products which would otherwise go to disposal and wastes generated after completion of a manufacturing process, but does not include internally generated scrap commonly returned to industrial or manufacturing processes.

“Recycling” means the series of activities by which materials that are no longer useful to the generator are collected, sorted, processed, and converted into raw materials and used in the production of new products. This definition excludes the use of these materials as a fuel substitute or for energy production.

“Reuse” means using a product or component of municipal solid waste in its original form more than once.

“RFP” means a Request for Proposal designed to solicit proposals for services.

“Services” means any function performed for the benefit of the State.

“Source reduction” means any practice that reduces the amount of any hazardous substance, pollutant, or contaminant entering any waste stream or otherwise released into the environment prior to recycling, energy recovery, treatment, or disposal.

“State Location” means any physical location where the State performs work. State Location may include state-owned, leased, or rented space.

“Subcontractor” means a company Contractor delegates performance of a portion of the Services to, but does not include independent contractors engaged by Contractor solely in a staff augmentation role.

“Unauthorized Removal” means the Contractor’s removal of Key Personnel without the prior written consent of the State.

“Waste prevention” means source reduction and reuse, but not recycling.



“Waste reduction”, or “pollution prevention” means the practice of minimizing the generation of waste at ~~the source and, when wastes cannot be prevented, utilizing environmentally sound on-site or off-site reuse~~ and recycling. The term includes equipment or technology modifications, process or procedure modifications, product reformulation or redesign, and raw material substitutions. Waste treatment, control, management, and disposal are not considered pollution prevention, per the definitions under Part 143, Waste Minimization, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended.

“Work in Progress” means a Deliverable that has been partially prepared, but has not been presented to the State for Approval.

“Work Product” refers to any data compilations, reports, and other media, materials, or other objects or works of authorship created or produced by the Contractor as a result of an in furtherance of performing the services required by this Contract.



Article 2, Terms and Conditions

2.000 Contract Structure and Term

2.001 Contract Term

This Contract is for a period of 11 years, 2 months, beginning November 3, 2010 through January 5, 2022. All outstanding Purchase Orders must also expire upon the termination (cancellation for any of the reasons listed in Section 2.150) of the Contract, unless otherwise extended under the Contract. Absent an early termination for any reason, Purchase Orders issued but not expired, by the end of the Contract's stated term, will remain in effect for the balance of the fiscal year for which they were issued.

2.002 Options to Renew – Deleted, Not Applicable

2.003 Legal Effect

Contractor shall show acceptance of this Contract by signing two copies of the Contract and returning them to the Contract Administrator. The Contractor shall not proceed with the performance of the work to be done under the Contract, including the purchase of necessary materials, until both parties have signed the Contract to show acceptance of its terms, and the Contractor receives a contract release/purchase order that authorizes and defines specific performance requirements.

Except as otherwise agreed in writing by the parties, the State assumes no liability for costs incurred by Contractor or payment under this Contract, until Contractor is notified in writing that this Contract (or Change Order) has been approved by the State Administrative Board (if required), approved and signed by all the parties, and a Purchase Order against the Contract has been issued.

2.004 Attachments & Exhibits

All Attachments and Exhibits affixed to any and all Statement(s) of Work, or appended to or referencing this Contract, are incorporated in their entirety and form part of this Contract.

2.005 Ordering

The State will issue a written Purchase Order, Blanket Purchase Order, Direct Voucher or Procurement Card Order, which must be approved by the Contract Administrator or the Contract Administrator's designee, to order any Services/Deliverables under this Contract. All orders are subject to the terms and conditions of this Contract. No additional terms and conditions contained on either a Purchase Order or Blanket Purchase Order apply unless they are also specifically contained in that Purchase Order's or Blanket Purchase Order's accompanying Statement of Work. Exact quantities to be purchased are unknown, however, the Contractor will be required to furnish all such materials and services as may be ordered during the CONTRACT period. Quantities specified, if any, are estimates based on prior purchases, and the State is not obligated to purchase in these or any other quantities.

2.006 Order of Precedence

(a) The Contract, including any Statements of Work and Exhibits, to the extent not contrary to the Contract, each of which is incorporated for all purposes, constitutes the entire agreement between the parties with respect to the subject matter and supersedes all prior agreements, whether written or oral, with respect to the subject matter and as additional terms and conditions on the purchase order must apply as limited by Section 2.005.

(b) In the event of any inconsistency between the terms of the Contract and a Statement of Work, the terms of the Statement of Work will take precedence (as to that Statement of Work only); provided, however, that a Statement of Work may not modify or amend the terms of the Contract, which may be modified or amended only by a formal Contract amendment.



2.007 Headings

Captions and headings used in the Contract are for information and organization purposes. Captions and headings, including inaccurate references, do not, in any way, define or limit the requirements or terms and conditions of the Contract.

2.008 Form, Function & Utility

If the Contract is for use of more than one State agency and if the Deliverable/Service does not meet the form, function, and utility required by that State agency, that agency may, subject to State purchasing policies, procure the Deliverable/Service from another source.

2.009 Reformation and Severability

Each provision of the Contract is severable from all other provisions of the Contract and, if one or more of the provisions of the Contract is declared invalid, the remaining provisions of the Contract remain in full force and effect.

2.010 Consents and Approvals

Except as expressly provided otherwise in the Contract, if either party requires the consent or approval of the other party for the taking of any action under the Contract, the consent or approval must be in writing and must not be unreasonably withheld or delayed.

2.011 No Waiver of Default

If a party fails to insist upon strict adherence to any term of the Contract then the party has not waived the right to later insist upon strict adherence to that term, or any other term, of the Contract.

2.012 Survival

Any provisions of the Contract that impose continuing obligations on the parties, including without limitation the parties' respective warranty, indemnity and confidentiality obligations, survive the expiration or termination of the Contract for any reason. Specific references to survival in the Contract are solely for identification purposes and not meant to limit or prevent the survival of any other section.

2.020 Contract Administration

2.021 Issuing Office

This Contract is issued by the Department of Management and Budget, Purchasing Operations and the Department of Energy, Labor and Economic Growth (collectively, including all other relevant State of Michigan departments and agencies, the "State"). Purchasing Operations is the sole point of contact in the State with regard to all procurement and contractual matters relating to the Contract. Purchasing Operations **is the only State office authorized to change, modify, amend, alter or clarify the prices, specifications, terms and conditions of this Contract.** The Contractor Administrator within Purchasing Operations for this Contract is:

Sue Ciecwiwa, Buyer Specialist
Purchasing Operations
Department of Management and Budget
Mason Bldg, 2nd Floor
PO Box 30026
Lansing, MI 48909
Ciecibas@michigan.gov
Phone: (517) 373-0301
Fax: (517) 335-0046



2.022 Contract Compliance Inspector (CCI)

After DMB-PurchOps receives the properly executed Contract, it is anticipated that the Director of Purchasing Operations, in consultation with Department of Energy, Labor and Economic Growth, will direct the person named below, or any other person so designated, to monitor and coordinate the activities for the Contract on a day-to-day basis during its term. However, monitoring of this Contract implies **no authority to change, modify, clarify, amend, or otherwise alter the prices, terms, conditions and specifications of the Contract as that authority is retained by DMB Purchasing Operations.** The Contract Compliance Inspector for this Contract is:

Jerry Elmlad
Assistant Manager
Physical Plant Division
Michigan Department of Corrections
Grandview Plaza
P.O. Box 30003
Lansing, MI 48909
elmlajr@michigan.gov
Phone: (517) 373-4471
Fax: (517) 241-5129

2.023 Project Manager

The following individual will oversee the project:

Eames Groenleer
MDOC Regional Physical Plant Superintendent, Parnall & Cotton
Michigan Department of Corrections
4000 Cooper St.
Jackson, MI 49210
Groenlee@michigan.gov
Phone: (517) 780-6445
Fax: (517) 780-6599

2.024 Change Requests

The State reserves the right to request from time to time any changes to the requirements and specifications of the Contract and the work to be performed by the Contractor under the Contract. During the course of ordinary business, it may become necessary for the State to discontinue certain business practices or create Additional Services/Deliverables. At a minimum, to the extent applicable, the State would like the Contractor to provide a detailed outline of all work to be done, including tasks necessary to accomplish the services/deliverables, timeframes, listing of key personnel assigned, estimated hours for each individual per task, and a complete and detailed cost justification.

If the Contractor does not so notify the State, the Contractor has no right to claim thereafter that it is entitled to additional compensation for performing that service or providing that deliverable.

Change Requests:

- (a) By giving Contractor written notice within a reasonable time, the State must be entitled to accept a Contractor proposal for Change, to reject it, or to reach another agreement with Contractor. Should the parties agree on carrying out a Change, a written Contract Change Notice



~~must be prepared and issued under this Contract, describing the Change and its effects on the Services and any affected components of this Contract (a "Contract Change Notice").~~

(b) No proposed Change must be performed until the proposed Change has been specified in a duly executed Contract Change Notice issued by the Department of Management and Budget, Purchasing Operations.

(c) If the State requests or directs the Contractor to perform any activities that Contractor believes constitute a Change, the Contractor must notify the State that it believes the requested activities are a Change before beginning to work on the requested activities. If the Contractor fails to notify the State before beginning to work on the requested activities, then the Contractor waives any right to assert any claim for additional compensation or time for performing the requested activities. If the Contractor commences performing work outside the scope of this Contract and then ceases performing that work, the Contractor must, at the request of the State, retract any out-of-scope work that would adversely affect the Contract.

2.025 Notices

Any notice given to a party under the Contract must be deemed effective, if addressed to the party as addressed below, upon: (i) delivery, if hand delivered; (ii) receipt of a confirmed transmission by facsimile if a copy of the notice is sent by another means specified in this Section; (iii) the third Business Day after being sent by U.S. mail, postage pre-paid, return receipt requested; or (iv) the next Business Day after being sent by a nationally recognized overnight express courier with a reliable tracking system.

State:
State of Michigan
Purchasing Operations
Attention: Sue Cieciva
PO Box 30026
530 West Allegan
Lansing, Michigan 48909

Contractor:
Energy Systems Group LLC
Attention: Michael Livendale
7804 Francis Court Suite 210
Lansing, MI 48917

Either party may change its address where notices are to be sent by giving notice according to this Section.

2.026 Binding Commitments

Representatives of Contractor must have the authority to make binding commitments on Contractor's behalf within the bounds set forth in the table. Contractor may change the representatives from time to time upon written notice.

2.027 Relationship of the Parties

The relationship between the State and Contractor is that of client and independent contractor. No agent, employee, or servant of Contractor or any of its Subcontractors must be or must be deemed to be an employee, agent or servant of the State for any reason. Contractor will be solely and entirely responsible for its acts and the acts of its agents, employees, servants and Subcontractors during the performance of the Contract.



2.028 Covenant of Good Faith

Each party must act reasonably and in good faith. Unless stated otherwise in the Contract, the parties will not unreasonably delay, condition or withhold the giving of any consent, decision or approval that is either requested or reasonably required of them in order for the other party to perform its responsibilities under the Contract.

2.029 Assignments

(a) Neither party may assign the Contract, or assign or delegate any of its duties or obligations under the Contract, to any other party (whether by operation of law or otherwise), without the prior written consent of the other party; provided, however, that the State may assign the Contract to any other State agency, department, division or department without the prior consent of Contractor and Contractor may assign the Contract to an affiliate so long as the affiliate is adequately capitalized and can provide adequate assurances that the affiliate can perform the Contract. The State may withhold consent from proposed assignments, subcontracts, or novations when the transfer of responsibility would operate to decrease the State's likelihood of receiving performance on the Contract or the State's ability to recover damages.

(b) Contractor may not, without the prior written approval of the State, assign its right to receive payments due under the Contract. If the State permits an assignment, the Contractor is not relieved of its responsibility to perform any of its contractual duties, and the requirement under the Contract that all payments must be made to one entity continues.

(c) If the Contractor intends to assign the contract or any of the Contractor's rights or duties under the Contract, the Contractor must notify the State in writing at least 90 days before the assignment. The Contractor also must provide the State with adequate information about the assignee within a reasonable amount of time before the assignment for the State to determine whether to approve the assignment.

2.030 General Provisions

2.031 Media Releases

News releases (including promotional literature and commercial advertisements) pertaining to the RFP and Contract or project to which it relates shall not be made without prior written State approval, and then only in accordance with the explicit written instructions from the State. No results of the activities associated with the RFP and Contract are to be released without prior written approval of the State and then only to persons designated.

2.032 Contract Distribution

Purchasing Operations retains the sole right of Contract distribution to all State agencies and local units of government unless other arrangements are authorized by Purchasing Operations.

2.033 Permits

Contractor must obtain and pay any associated costs for all required governmental permits, licenses and approvals for the delivery, installation and performance of the Services. The State must pay for all costs and expenses incurred in obtaining and maintaining any necessary easements or right of way.

2.034 Website Incorporation

The State is not bound by any content on the Contractor's website, even if the Contractor's documentation specifically referenced that content and attempts to incorporate it into any other



communication, unless the State has actual knowledge of the content and has expressly agreed to be bound by it in a writing that has been manually signed by an authorized representative of the State.

2.035 Future Bidding Preclusion

Contractor acknowledges that, to the extent this Contract involves the creation, research, investigation or generation of a future RFP, it may be precluded from bidding on the subsequent RFP. The State reserves the right to disqualify any Bidder if the State determines that the Bidder has used its position (whether as an incumbent Contractor, or as a Contractor hired to assist with the RFP development, or as a Vendor offering free assistance) to gain a competitive advantage on the RFP.

2.036 Freedom of Information

All information in any proposal submitted to the State by Contractor and this Contract is subject to the provisions of the Michigan Freedom of Information Act, 1976 Public Act No. 442, as amended, MCL 15.231, et seq (the "FOIA").

2.037 Disaster Recovery

Contractor and the State recognize that the State provides essential services in times of natural or man-made disasters. Therefore, except as so mandated by Federal disaster response requirements, Contractor personnel dedicated to providing Services/Deliverables under this Contract will provide the State with priority service for repair and work around in the event of a natural or man-made disaster.

2.040 Financial Provisions

2.041 Fixed Prices for Services/Deliverables

Each Statement of Work or Purchase Order issued under this Contract shall specify (or indicate by reference to the appropriate Contract Exhibit) the firm, fixed prices for all Services/Deliverables, and the associated payment milestones and payment amounts. The State may make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly, in amounts approved by the Contract Administrator, after negotiation. Contractor must show verification of measurable progress at the time of requesting progress payments.

2.042 Adjustments for Reductions in Scope of Services/Deliverables

If the scope of the Services/Deliverables under any Statement of Work issued under this Contract is subsequently reduced by the State, the parties shall negotiate an equitable reduction in Contractor's charges under such Statement of Work commensurate with the reduction in scope.

2.043 Services/Deliverables Covered

For all Services/Deliverables to be provided by Contractor (and its Subcontractors, if any) under this Contract, the State shall not be obligated to pay any amounts in addition to the charges specified in this Contract.

2.044 Invoicing and Payment – In General

- (a) Each Statement of Work issued under this Contract shall list (or indicate by reference to the appropriate Contract Exhibit) the prices for all Services/Deliverables, equipment and commodities to be provided, and the associated payment milestones and payment amounts.
- (b) Each Contractor invoice will show details as to charges by Service/Deliverable component and location at a level of detail reasonably necessary to satisfy the State's accounting and charge-back requirements. Invoices for Services performed on a time and materials basis will show, for each individual, the number of hours of Services performed during the billing period, the billable skill/labor category for such person and the applicable hourly billing rate. Prompt payment by the State is contingent on the Contractor's invoices showing the amount owed by the State minus any holdback amount to be retained by the State in accordance with **Section 1.064**.



(c) Correct invoices will be due and payable by the State, in accordance with the State's standard payment procedure as specified in 1984 Public Act No. 279, MCL 17.51 et seq., within 45 days after receipt, provided the State determines that the invoice was properly rendered.

(d) Contract Payment Schedule

1. Contractor request for performance-based payment.

The Contractor may submit requests for payment of performance-based payments not more frequently than monthly, in a form and manner acceptable to the Contract Administrator. Unless otherwise authorized by the Contract Administrator, all performance-based payments in any period for which payment is being requested shall be included in a single request, appropriately itemized and totaled.

2. Approval and payment of requests.

a) The Contractor shall not be entitled to payment of a request for performance-based payment prior to successful accomplishment of the event or performance criterion for which payment is requested. The Contract Administrator shall determine whether the event or performance criterion for which payment is requested has been successfully accomplished in accordance with the terms of the contract. The Contract Administrator may, at any time, require the Contractor to substantiate the successful performance of any event or performance criterion, which has been or is represented as being payable.

b) A payment under this performance-based payment clause is a contract financing payment under the Quick Payment Terms in **Section 1.061** of this Contract.

c) The approval by the Contract Administrator of a request for performance-based payment does not constitute an acceptance by the Government and does not excuse the Contractor from performance of obligations under this Contract.

2.045 Pro-ration

To the extent there are any Services that are to be paid for on a monthly basis, the cost of such Services shall be pro-rated for any partial month.

2.046 Antitrust Assignment

The Contractor assigns to the State any claim for overcharges resulting from antitrust violations to the extent that those violations concern materials or services supplied by third parties to the Contractor, toward fulfillment of this Contract.

2.047 Final Payment

The making of final payment by the State to Contractor does not constitute a waiver by either party of any rights or other claims as to the other party's continuing obligations under the Contract, nor will it constitute a waiver of any claims by one party against the other arising from unsettled claims or failure by a party to comply with this Contract, including claims for Services and Deliverables not reasonably known until after acceptance to be defective or substandard. Contractor's acceptance of final payment by the State under this Contract shall constitute a waiver of all claims by Contractor against the State for payment under this Contract, other than those claims previously filed in writing on a timely basis and still unsettled.



2.048 Electronic Payment Requirement

Electronic transfer of funds is required for payments on State Contracts. Contractors are required to register with the State electronically at <http://www.cpexpress.state.mi.us>. As stated in Public Act 431 of 1984, all contracts that the State enters into for the purchase of goods and services shall provide that payment will be made by electronic fund transfer (EFT).

2.050 Taxes

2.051 Employment Taxes

Contractors are expected to collect and pay all applicable federal, state, and local employment taxes, including the taxes.

2.052 Sales and Use Taxes

Contractors are required to be registered and to remit sales and use taxes on taxable sales of tangible personal property or services delivered into the State. Contractors that lack sufficient presence in Michigan to be required to register and pay tax must do so as a volunteer. This requirement extends to: (1) all members of any controlled group as defined in § 1563(a) of the Internal Revenue Code and applicable regulations of which the company is a member, and (2) all organizations under common control as defined in § 414(c) of the Internal Revenue Code and applicable regulations of which the company is a member that make sales at retail for delivery into the State are registered with the State for the collection and remittance of sales and use taxes. In applying treasury regulations defining “two or more trades or businesses under common control” the term “organization” means sole proprietorship, a partnership (as defined in § 701(a)(2) of the Internal Revenue Code), a trust, an estate, a corporation, or a limited liability company.

2.060 Contract Management

2.061 Contractor Personnel Qualifications

All persons assigned by Contractor to the performance of Services under this Contract must be employees of Contractor or its majority-owned (directly or indirectly, at any tier) subsidiaries (or a State-approved Subcontractor) and must be fully qualified to perform the work assigned to them. Contractor must include a similar provision in any subcontract entered into with a Subcontractor. For the purposes of this Contract, independent contractors engaged by Contractor solely in a staff augmentation role must be treated by the State as if they were employees of Contractor for this Contract only; however, the State understands that the relationship between Contractor and Subcontractor is an independent contractor relationship.

2.062 Contractor Key Personnel

- (a) The Contractor must provide the Contract Compliance Inspector with the names of the Key Personnel.
- (b) Key Personnel must be dedicated as defined in the Statement of Work to the Project for its duration in the applicable Statement of Work with respect to other individuals designated as Key Personnel for that Statement of Work.
- (c) The State will have the right to recommend and approve in writing the initial assignment, as well as any proposed reassignment or replacement, of any Key Personnel. Before assigning an individual to any Key Personnel position, Contractor will notify the State of the proposed assignment, will introduce the individual to the appropriate State representatives, and will provide the State with a resume and any other information about the individual reasonably requested by the State. The State reserves the right to



~~interview the individual before granting written approval. In the event the State finds a proposed~~ individual unacceptable, the State will provide a written explanation including reasonable detail outlining the reasons for the rejection.

(d) Contractor must not remove any Key Personnel from their assigned roles on the Contract without the prior written consent of the State. The Contractor's removal of Key Personnel without the prior written consent of the State is an unauthorized removal ("Unauthorized Removal"). Unauthorized Removals does not include replacing Key Personnel for reasons beyond the reasonable control of Contractor, including illness, disability, leave of absence, personal emergency circumstances, resignation or for cause termination of the Key Personnel's employment. Unauthorized Removals does not include replacing Key Personnel because of promotions or other job movements allowed by Contractor personnel policies or Collective Bargaining Agreement(s) as long as the State receives prior written notice before shadowing occurs and Contractor provides 30 days of shadowing unless parties agree to a different time period. The Contractor with the State must review any Key Personnel replacements, and appropriate transition planning will be established. Any Unauthorized Removal may be considered by the State to be a material breach of the Contract, in respect of which the State may elect to exercise its termination and cancellation rights.

(e) The Contractor must notify the Contract Compliance Inspector and the Contract Administrator at least 10 business days before redeploying non-Key Personnel, who are dedicated to primarily to the Project, to other projects. If the State does not object to the redeployment by its scheduled date, the Contractor may then redeploy the non-Key Personnel.

2.063 Re-assignment of Personnel at the State's Request

The State reserves the right to require the removal from the Project of Contractor personnel found, in the judgment of the State, to be unacceptable. The State's request must be written with reasonable detail outlining the reasons for the removal request. Additionally, the State's request must be based on legitimate, good-faith reasons. Replacement personnel for the removed person must be fully qualified for the position. If the State exercises this right, and the Contractor cannot immediately replace the removed personnel, the State agrees to an equitable adjustment in schedule or other terms that may be affected by the State's required removal. If any incident with removed personnel results in delay not reasonably anticipatable under the circumstances and which is attributable to the State, the applicable SLAs for the affected Service will not be counted for a time as agreed to by the parties.

2.064 Contractor Personnel Location

All staff assigned by Contractor to work on the Contract will perform their duties either primarily at Contractor's offices and facilities or at State facilities. Without limiting the generality of the foregoing, Key Personnel will, at a minimum, spend at least the amount of time on-site at State facilities as indicated

in the applicable Statement of Work. Subject to availability, selected Contractor personnel may be assigned office space to be shared with State personnel.

2.065 Contractor Identification

Contractor employees must be clearly identifiable while on State property by wearing a State-issued badge, as required. Contractor employees are required to clearly identify themselves and the company they work for whenever making contact with State personnel by telephone or other means.



2.066 Cooperation with Third Parties

Contractor agrees to cause its personnel and the personnel of any Subcontractors to cooperate with the State and its agents and other contractors including the State's Quality Assurance personnel. As reasonably requested by the State in writing, the Contractor will provide to the State's agents and other contractors reasonable access to Contractor's Project personnel, systems and facilities to the extent the access relates to activities specifically associated with this Contract and will not interfere or jeopardize the safety or operation of the systems or facilities. The State acknowledges that Contractor's time schedule for the Contract is very specific and agrees not to unnecessarily or unreasonably interfere with, delay or otherwise impede Contractor's performance under this Contract with the requests for access.

2.067 Contract Management Responsibilities

The Contractor will be required to assume responsibility for all contractual activities, whether or not that Contractor performs them. Further, the State will consider the Contractor to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the anticipated Contract. If any part of the work is to be subcontracted, the Contract must include a list of Subcontractors, including firm name and address, contact person and a complete description of work to be subcontracted. The State reserves the right to approve Subcontractors and to require the Contractor to replace Subcontractors found to be unacceptable. The Contractor is totally responsible for adherence by the Subcontractor to all provisions of the Contract. Any change in Subcontractors must be approved by the State, in writing, prior to such change.

2.068 Contractor Return of State Equipment/Resources

The Contractor must return to the State any State-furnished equipment, facilities and other resources when no longer required for the Contract in the same condition as when provided by the State, reasonable wear and tear excepted.

2.070 Subcontracting by Contractor

2.071 Contractor full Responsibility

Contractor shall have full responsibility for the successful performance and completion of all of the Services and Deliverables. The State will consider Contractor to be the sole point of contact with regard to all contractual matters under this Contract, including payment of any and all charges for Services and Deliverables.

2.072 State Consent to delegation

Contractor shall not delegate any duties under this Contract to a Subcontractor unless the Department of Management and Budget, Purchasing Operations has given written consent to such delegation. The State shall have the right of prior written approval of all Subcontractors and to require Contractor to replace any Subcontractors found, in the reasonable judgment of the State, to be unacceptable. The State's request shall be written with reasonable detail outlining the reasons for the removal request. Additionally, the State's request shall be based on legitimate, good-faith reasons. Replacement Subcontractor(s) for the

removed Subcontractor shall be fully qualified for the position. If the State exercises this right, and the Contractor cannot immediately replace the removed Subcontractor, the State will agree to an equitable adjustment in schedule or other terms that may be affected by the State's required removal. If any such incident with a removed Subcontractor results in delay not reasonable anticipatable under the circumstances and which is attributable to the State, the applicable SLA for the affected Work will not be counted in time agreed upon by the parties.



2.073 Subcontractor bound to Contract

In any subcontracts entered into by Contractor for the performance of the Services, Contractor shall require the Subcontractor, to the extent of the Services to be performed by the Subcontractor, to be bound to Contractor by the terms of this Contract and to assume toward Contractor all of the obligations and responsibilities that Contractor, by this Contract, assumes toward the State. The State reserves the right to receive copies of and review all subcontracts, although Contractor may delete or mask any proprietary information, including pricing, contained in such contracts before providing them to the State. The management of any Subcontractor will be the responsibility of Contractor, and Contractor shall remain responsible for the performance of its Subcontractors to the same extent as if Contractor had not subcontracted such performance. Contractor shall make all payments to Subcontractors or suppliers of Contractor. Except as otherwise agreed in writing by the State and Contractor, the State will not be obligated to direct payments for the Services other than to Contractor. The State's written approval of any Subcontractor engaged by Contractor to perform any obligation under this Contract shall not relieve Contractor of any obligations or performance required under this Contract. Attached as **Exhibit A** is a list of the Subcontractors, if any, approved by the State as of the execution of this Contract, together with a copy of the applicable subcontract.

2.074 Flow Down

Except where specifically approved in writing by the State on a case-by-case basis, Contractor shall flow down the obligations in **Sections 2.031, 2.060, 2.100, 2.110, 2.120, 2.130, 2.200** in all of its agreements with any Subcontractors.

2.075 Competitive Selection

The Contractor shall select Subcontractors (including suppliers) on a competitive basis to the maximum practical extent consistent with the objectives and requirements of the Contract.

2.080 State Responsibilities

2.081 Equipment

The State will provide only the equipment and resources identified in the Statements of Work and other Contract Exhibits.

2.082 Facilities

The State must designate space as long as it is available and as provided in the Statement of Work, to house the Contractor's personnel whom the parties agree will perform the Services/Deliverables at State facilities (collectively, the "State Facilities"). The Contractor must have reasonable access to, and unless agreed otherwise by the parties in writing must observe and comply with all rules and regulations relating to each of the State Facilities (including hours of operation) used by the Contractor in the course of providing the Services. Contractor agrees that it will not, without the prior written consent of the State, use any State Facilities or access any State information systems provided for the Contractor's use, or to which the Contractor otherwise gains access in the course of performing the Services, for any purpose other than providing the Services to the State.

2.090 Security

2.091 Background Checks

On a case-by-case basis, the State may investigate the Contractor's personnel before they may have access to State facilities and systems. The scope of the background check is at the discretion of the State and the results will be used to determine Contractor personnel eligibility for working within State facilities and systems. The investigations will include Michigan State Police Background checks (ICHAT) and may



include the National Crime Information Center (NCIC) Finger Prints. Proposed Contractor personnel may be required to complete and submit an RI-8 Fingerprint Card for the NCIC Finger Print Check. Any request for background checks will be initiated by the State and will be reasonably related to the type of work requested.

All Contractor personnel will also be expected to comply with the State's security and acceptable use policies for State IT equipment and resources. See <http://www.michigan.gov/dit>. Furthermore, Contractor personnel will be expected to agree to the State's security and acceptable use policies before the Contractor personnel will be accepted as a resource to perform work for the State. It is expected the Contractor will present these documents to the prospective employee before the Contractor presents the individual to the State as a proposed resource. Contractor staff will be expected to comply with all Physical Security procedures in place within the facilities where they are working.

See Attachment I - Special Working Rules Department of Corrections Inside and Outside Prisons.

2.092 Security Breach Notification

If the Contractor breaches this Section, the Contractor must (i) promptly cure any deficiencies and (ii) comply with any applicable federal and state laws and regulations pertaining to unauthorized disclosures. Contractor and the State will cooperate to mitigate, to the extent practicable, the effects of any breach, intrusion, or unauthorized use or disclosure. Contractor must report to the State in writing any use or disclosure of Confidential Information, whether suspected or actual, other than as provided for by the Contract within 10 days of becoming aware of the use or disclosure or the shorter time period as is reasonable under the circumstances.

2.093 PCI Data Security Requirements – Deleted, Not Applicable

2.100 Confidentiality

2.101 Confidentiality

Contractor and the State each acknowledge that the other possesses and will continue to possess confidential information that has been developed or received by it. As used in this Section, "Confidential Information" of Contractor must mean all non-public proprietary information of Contractor (other than Confidential Information of the State as defined below) which is marked confidential, restricted, proprietary or with a similar designation. "Confidential Information" of the State must mean any information which is retained in confidence by the State (or otherwise required to be held in confidence by the State under applicable federal, state and local laws and regulations) or which, in the case of tangible materials provided to Contractor by the State under its performance under this Contract, is marked as confidential, proprietary or with a similar designation by the State. "Confidential Information" excludes any information (including this Contract) that is publicly available under the Michigan FOIA.

2.102 Protection and Destruction of Confidential Information

The State and Contractor will each use at least the same degree of care to prevent disclosing to third parties the Confidential Information of the other as it employs to avoid unauthorized disclosure, publication or dissemination of its own confidential information of like character, but in no event less than reasonable care. Neither Contractor nor the State will (i) make any use of the Confidential Information of the other except as contemplated by this Contract, (ii) acquire any right in or assert any lien against the Confidential Information of the other, or (iii) if requested to do so, refuse for any reason to promptly return the other party's Confidential Information to the other party. Each party will limit disclosure of the other party's Confidential Information to employees and Subcontractors who must have



access to fulfill the purposes of this Contract. Disclosure to, and use by, a Subcontractor is permissible where (A) use of a Subcontractor is authorized under this Contract, (B) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the Subcontractor's scope of responsibility, and (C) Contractor obligates the Subcontractor in a written Contract to maintain the State's Confidential Information in confidence. At the State's request, any employee of Contractor and of any Subcontractor having access or continued access to the State's Confidential Information may be required to execute an acknowledgment that the employee has been advised of Contractor's and the Subcontractor's obligations under this Section and of the employee's obligation to Contractor or Subcontractor, as the case may be, to protect the Confidential Information from unauthorized use or disclosure.

Promptly upon termination or cancellation of the Contract for any reason, Contractor must certify to the State that Contractor has destroyed all State Confidential Information.

2.103 Exclusions

Notwithstanding the foregoing, the provisions of **Section 2.100** will not apply to any particular information which the State or Contractor can demonstrate (i) was, at the time of disclosure to it, in the public domain; (ii) after disclosure to it, is published or otherwise becomes part of the public domain through no fault of the receiving party; (iii) was in the possession of the receiving party at the time of disclosure to it without an obligation of confidentiality; (iv) was received after disclosure to it from a third party who had a lawful right to disclose the information to it without any obligation to restrict its further disclosure; or (v) was independently developed by the receiving party without reference to Confidential Information of the furnishing party. Further, the provisions of **Section 2.100** will not apply to any particular Confidential Information to the extent the receiving party is required by law to disclose the Confidential Information, provided that the receiving party (i) promptly provides the furnishing party with notice of the legal request, and (ii) assists the furnishing party in resisting or limiting the scope of the disclosure as reasonably requested by the furnishing party.

2.104 No Implied Rights

Nothing contained in this Section must be construed as obligating a party to disclose any particular Confidential Information to the other party, or as granting to or conferring on a party, expressly or impliedly, any right or license to the Confidential Information of the other party.

2.105 Respective Obligations

The parties' respective obligations under this Section must survive the termination or expiration of this Contract for any reason.

2.110 Records and Inspections

2.111 Inspection of Work Performed

The State's authorized representatives must at all reasonable times and with 10 days prior written request, have the right to enter Contractor's premises, or any other places, where the Services are being performed, and must have access, upon reasonable request, to interim drafts of Deliverables or work-in-progress. Upon 10 Days prior written notice and at all reasonable times, the State's representatives must be allowed to inspect, monitor, or otherwise evaluate the work being performed and to the extent that the access will not reasonably interfere or jeopardize the safety or operation of the systems or facilities. Contractor must provide all reasonable facilities and assistance for the State's representatives.



2.112 Examination of Records

For seven years after the Contractor provides any work under this Contract (the "Audit Period"), the State may examine and copy any of Contractor's books, records, documents and papers pertinent to establishing Contractor's compliance with the Contract and with applicable laws and rules. The State must notify the Contractor 20 days before examining the Contractor's books and records. The State does not have the right to review any information deemed confidential by the Contractor to the extent access would require the confidential information to become publicly available. This provision also applies to the books, records, accounts, documents and papers, in print or electronic form, of any parent, affiliated or subsidiary organization of Contractor, or any Subcontractor of Contractor performing services in connection with the Contract.

2.113 Retention of Records

Contractor must maintain at least until the end of the Audit Period all pertinent financial and accounting records (including time sheets and payroll records, and information pertaining to the Contract and to the Services, equipment, and commodities provided under the Contract) pertaining to the Contract according to generally accepted accounting principles and other procedures specified in this Section. Financial and accounting records must be made available, upon request, to the State at any time during the Audit Period. If an audit, litigation, or other action involving Contractor's records is initiated before the end of the Audit Period, the records must be retained until all issues arising out of the audit, litigation, or other action are resolved or until the end of the Audit Period, whichever is later.

2.114 Audit Resolution

If necessary, the Contractor and the State will meet to review each audit report promptly after issuance. The Contractor will respond to each audit report in writing within 30 days from receipt of the report, unless a shorter response time is specified in the report. The Contractor and the State must develop, agree upon and monitor an action plan to promptly address and resolve any deficiencies, concerns, and/or recommendations in the audit report.

2.115 Errors

- (a) If the audit demonstrates any errors in the documents provided to the State, then the amount in error must be reflected as a credit or debit on the next invoice and in subsequent invoices until the amount is paid or refunded in full. However, a credit or debit may not be carried for more than four invoices. If a balance remains after four invoices, then the remaining amount will be due as a payment or refund within 45 days of the last quarterly invoice that the balance appeared on or termination of the contract, whichever is earlier.
- (b) In addition to other available remedies, the difference between the payment received and the correct payment amount is greater than 10%, then the Contractor must pay all of the reasonable costs of the audit.

2.120 Warranties

2.121 Warranties and Representations

The Contractor represents and warrants:

- (a) It is capable in all respects of fulfilling and must fulfill all of its obligations under this Contract. The performance of all obligations under this Contract must be provided in a timely, professional, and workman-like manner and must meet the performance and operational standards required under this Contract.



(b) The Contract Appendices, Attachments and Exhibits identify the equipment and software and services necessary for the Deliverable(s) to perform and Services to operate in compliance with the Contract's requirements and other standards of performance.

(c) It is the lawful owner or licensee of any Deliverable licensed or sold to the State by Contractor or developed by Contractor under this Contract, and Contractor has all of the rights necessary to convey to the State the ownership rights or licensed use, as applicable, of any and all Deliverables. None of the Deliverables provided by Contractor to the State under this Contract, nor their use by the State, will infringe the patent, copyright, trade secret, or other proprietary rights of any third party.

(d) If, under this Contract, Contractor procures any equipment, software or other Deliverable for the State (including equipment, software and other Deliverables manufactured, re-marketed or otherwise sold by Contractor under Contractor's name), then in addition to Contractor's other responsibilities with respect to the items in this Contract, Contractor must assign or otherwise transfer to the State or its designees, or afford the State the benefits of, any manufacturer's warranty for the Deliverable.

(e) The contract signatory has the power and authority, including any necessary corporate authorizations, necessary to enter into this Contract, on behalf of Contractor.

(f) It is qualified and registered to transact business in all locations where required.

(g) Neither the Contractor nor any Affiliates, nor any employee of either, has, must have, or must acquire, any contractual, financial, business, or other interest, direct or indirect, that would conflict in any manner or degree with Contractor's performance of its duties and responsibilities to the State under this Contract or otherwise create an appearance of impropriety with respect to the award or performance of this Agreement. Contractor must notify the State about the nature of the conflict or appearance of impropriety within two days of learning about it.

(h) Neither Contractor nor any Affiliates, nor any employee of either has accepted or must accept anything of value based on an understanding that the actions of the Contractor or Affiliates or employee on behalf of the State would be influenced. Contractor must not attempt to influence any State employee by the direct or indirect offer of anything of value.

(i) Neither Contractor nor any Affiliates, nor any employee of either has paid or agreed to pay any person, other than bona fide employees and consultants working solely for Contractor or the Affiliate, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award or making of this Contract.

(j) The prices proposed by Contractor were arrived at independently, without consultation, communication, or agreement with any other Bidder for the purpose of restricting competition; the prices quoted were not knowingly disclosed by Contractor to any other Bidder; and no attempt was made by Contractor to induce any other person to submit or not submit a proposal for the purpose of restricting competition.

(k) All financial statements, reports, and other information furnished by Contractor to the State as part of its response to the RFP or otherwise in connection with the award of this Contract fairly and accurately represent the business, properties, financial condition, and results of operations of Contractor as of the respective dates, or for the respective periods, covered by the financial statements, reports, other information. Since the respective dates or periods covered by the financial statements, reports, or other



information, there have been no material adverse change in the business, properties, financial condition, or results of operations of Contractor.

(l) All written information furnished to the State by or for the Contractor in connection with this Contract, including its bid, is true, accurate, and complete, and contains no untrue statement of material fact or omits any material fact necessary to make the information not misleading.

(m) It is not in material default or breach of any other contract or agreement that it may have with the State or any of its departments, commissions, boards, or agencies. Contractor further represents and warrants that it has not been a party to any contract with the State or any of its departments that was terminated by the State or the department within the previous five years for the reason that Contractor failed to perform or otherwise breached an obligation of the contract.

(n) If any of the certifications, representations, or disclosures made in the Contractor's original bid response change after contract award, the Contractor is required to report those changes immediately to the Department of Management and Budget, Purchasing Operations.

2.122 Warranty of Merchantability

Goods provided by Contractor under this agreement shall be merchantable. All goods provided under this Contract shall be of good quality within the description given by the State, shall be fit for their ordinary purpose, shall be adequately contained and packaged within the description given by the State, shall conform to the agreed upon specifications, and shall conform to the affirmations of fact made by the Contractor or on the container or label.

2.123 Warranty of Fitness for a Particular Purpose

When the Contractor has reason to know or knows any particular purpose for which the goods are required, and the State is relying on the Contractor's skill or judgment to select or furnish suitable goods, there is a warranty that the goods are fit for such purpose.

2.124 Warranty of Title

Contractor shall, in providing goods to the State, convey good title in those goods, whose transfer is right and lawful. All goods provided by Contractor shall be delivered free from any security interest, lien, or encumbrance of which the State, at the time of contracting, has no knowledge. Goods provided by Contractor, under this Contract, shall be delivered free of any rightful claim of any third person by of infringement or the like.

2.125 Equipment Warranty

To the extent Contractor is responsible under this Contract for maintaining equipment/system(s), Contractor represents and warrants that it will maintain the equipment/system(s) in good operating condition and will undertake all repairs and preventive maintenance according to the applicable manufacturer's recommendations for the period specified in this Contract.

The Contractor represents and warrants that the equipment/system(s) are in good operating condition and operate and perform to the requirements and other standards of performance contained in this Contract,

when installed, at the time of Final Acceptance by the State, and for a period of one year commencing upon the first day following Final Acceptance.

Within one business day of notification from the State, the Contractor must adjust, repair or replace all equipment that is defective or not performing in compliance with the Contract. The Contractor



must assume all costs for replacing parts or units and their installation including transportation and delivery fees, if any.

The Contractor must provide a toll-free telephone number to allow the State to report equipment failures and problems to be remedied by the Contractor.

The Contractor agrees that all warranty service it provides under this Contract must be performed by Original Equipment Manufacturer (OEM) trained, certified and authorized technicians.

The Contractor is the sole point of contact for warranty service. The Contractor warrants that it will pass through to the State any warranties obtained or available from the original equipment manufacturer, including any replacement, upgraded, or additional equipment warranties.

All warranty work must be performed on the State of Michigan worksite(s).

2.126 Equipment to be New

If applicable, all equipment provided under this Contract by Contractor shall be new where Contractor has knowledge regarding whether the equipment is new or assembled from new or serviceable used parts that are like new in performance or has the option of selecting one or the other. Equipment that is assembled from new or serviceable used parts that are like new in performance is acceptable where Contractor does not have knowledge or the ability to select one or other, unless specifically agreed otherwise in writing by the State.

2.127 Prohibited Products

The State will not accept salvage, distressed, outdated or discontinued merchandise. Shipping of such merchandise to any State agency, as a result of an order placed against the Contract, shall be considered default by the Contractor of the terms and conditions of the Contract and may result in cancellation of the Contract by the State. The brand and product number offered for all items shall remain consistent for the term of the Contract, unless Purchasing Operations has approved a change order pursuant to **Section 2.024**.

2.128 Consequences For Breach

In addition to any remedies available in law, if the Contractor breaches any of the warranties contained in this section, the breach may be considered as a default in the performance of a material obligation of this Contract.

2.130 Insurance

2.131 Liability Insurance

The Contractor must provide proof of the minimum levels of insurance coverage as indicated below. The insurance must protect the State from claims which may arise out of or result from the Contractor's performance of services under the terms of this Contract, whether the services are performed by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable.

The Contractor waives all rights against the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents for recovery of damages to the extent these damages are covered by the insurance policies the Contractor is required to maintain under this Contract.



All insurance coverages provided relative to this Contract/Purchase Order are PRIMARY and NON-CONTRIBUTING to any comparable liability insurance (including self-insurances) carried by the State.

The insurance must be written for not less than any minimum coverage specified in this Contract or required by law, whichever is greater.

The insurers selected by Contractor must have an A.M. Best rating of A or better, or as otherwise approved in writing by the State, or if the ratings are no longer available, with a comparable rating from a recognized insurance rating agency. All policies of insurance required in this Contract must be issued by companies that have been approved to do business in the State.

See www.michigan.gov/dleg.

Where specific limits are shown, they are the minimum acceptable limits. If Contractor's policy contains higher limits, the State must be entitled to coverage to the extent of the higher limits.

The Contractor is required to pay for and provide the type and amount of insurance checked below:

- 1. Commercial General Liability with the following minimum coverage:
 - \$2,000,000 General Aggregate Limit other than Products/Completed Operations
 - \$2,000,000 Products/Completed Operations Aggregate Limit
 - \$1,000,000 Personal & Advertising Injury Limit
 - \$1,000,000 Each Occurrence Limit

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the Commercial General Liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.

- 2. If a motor vehicle is used to provide services or products under this Contract, the Contractor must have vehicle liability insurance on any auto including owned, hired and non-owned vehicles used in Contractor's business for bodily injury and property damage as required by law.

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the vehicle liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.

- 3. Workers' compensation coverage must be provided according to applicable laws governing the employees and employers work activities in the state of the Contractor's domicile. If the applicable coverage is provided by a self-insurer, proof must be provided of approved self-insured authority by the jurisdiction of domicile. For employees working outside of the state of qualification, Contractor must provide appropriate certificates of insurance proving mandated coverage levels for the jurisdictions where the employees' activities occur.

Any certificates of insurance received must also provide a list of states where the coverage is applicable.



~~The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation~~ by the insurance company. This provision must not be applicable where prohibited or limited by the laws of the jurisdiction in which the work is to be performed.

- 4. Employers liability insurance with the following minimum limits:
 - \$100,000 each accident
 - \$100,000 each employee by disease
 - \$500,000 aggregate disease

- 5. Employee Fidelity, including Computer Crimes, insurance naming the State as a loss payee, providing coverage for direct loss to the State and any legal liability of the State arising out of or related to fraudulent or dishonest acts committed by the employees of Contractor or its Subcontractors, acting alone or in collusion with others, in a minimum amount of one million dollars (\$1,000,000.00) with a maximum deductible of fifty thousand dollars (\$50,000.00).

- 6. Umbrella or Excess Liability Insurance in a minimum amount of ten million dollars (\$10,000,000.00), which must apply, at a minimum, to the insurance required in Subsection 1 (Commercial General Liability) above.

- 7. Professional Liability (Errors and Omissions) Insurance with the following minimum coverage: three million dollars (\$3,000,000.00) each occurrence and three million dollars (\$3,000,000.00) annual aggregate.

- 8. Fire and Personal Property Insurance covering against any loss or damage to the office space used by Contractor for any reason under this Contract, and the equipment, software and other contents of the office space, including without limitation, those contents used by Contractor to provide the Services to the State, up to its replacement value, where the office space and its contents are under the care, custody and control of Contractor. The policy must cover all risks of direct physical loss or damage, including without limitation, flood and earthquake coverage and coverage for computer hardware and software. The State must be endorsed on the policy as a loss payee as its interests appear.

2.132 Subcontractor Insurance Coverage

Except where the State has approved in writing a Contractor subcontract with other insurance provisions, Contractor must require all of its Subcontractors under this Contract to purchase and maintain the insurance coverage as described in this Section for the Contractor in connection with the performance of work by those Subcontractors. Alternatively, Contractor may include any Subcontractors under Contractor's insurance on the coverage required in this Section. Subcontractor(s) must fully comply with the insurance coverage required in this Section. Failure of Subcontractor(s) to comply with insurance requirements does not limit Contractor's liability or responsibility.

2.133 Certificates of Insurance and Other Requirements

Contractor must furnish to DMB-PurchOps, certificate(s) of insurance verifying insurance coverage or providing satisfactory evidence of self-insurance as required in this Section (the "Certificates"). The Certificate must be on the standard "accord" form or equivalent. **THE CONTRACT OR PURCHASE ORDER NO. MUST BE SHOWN ON THE CERTIFICATE OF INSURANCE TO ASSURE CORRECT FILING.** All Certificate(s) are to be prepared and submitted by the Insurance Provider. All



Certificate(s) must contain a provision indicating that coverages afforded under the policies WILL NOT BE CANCELLED, MATERIALLY CHANGED, OR NOT RENEWED without 30 days prior written notice, except for 10 days for non-payment of premium, having been given to the Director of Purchasing Operations, Department of Management and Budget. The notice must include the Contract or Purchase Order number affected. Before the Contract is signed, and not less than 20 days before the insurance expiration date every year thereafter, the Contractor must provide evidence that the State and its agents, officers and employees are listed as additional insureds under each commercial general liability and commercial automobile liability policy. In the event the State approves the representation of the State by the insurer's attorney, the attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.

The Contractor must maintain all required insurance coverage throughout the term of the Contract and any extensions and, in the case of claims-made Commercial General Liability policies, must secure tail coverage for at least three years following the expiration or termination for any reason of this Contract. The minimum limits of coverage specified above are not intended, and must not be construed, to limit any liability or indemnity of Contractor under this Contract to any indemnified party or other persons. Contractor is responsible for all deductibles with regard to the insurance. If the Contractor fails to pay any premium for required insurance as specified in this Contract, or if any insurer cancels or significantly reduces any required insurance as specified in this Contract without the State's written consent, then the State may, after the State has given the Contractor at least 30 days written notice, pay the premium or procure similar insurance coverage from another company or companies. The State may deduct any part of the cost from any payment due the Contractor, or the Contractor must pay that cost upon demand by the State.

2.140 Indemnification

2.141 General Indemnification

To the extent permitted by law, the Contractor must indemnify, defend and hold harmless the State from liability, including all claims and losses, and all related costs and expenses (including reasonable attorneys' fees and costs of investigation, litigation, settlement, judgments, interest and penalties), accruing or resulting to any person, firm or corporation that may be injured or damaged by the Contractor in the performance of this Contract and that are attributable to the negligence or tortious acts of the Contractor or any of its Subcontractors, or by anyone else for whose acts any of them may be liable.

2.142 Code Indemnification

To the extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State from any claim, loss, or expense arising from Contractor's breach of the No Surreptitious Code Warranty.

2.143 Employee Indemnification

In any claims against the State of Michigan, its departments, divisions, agencies, sections, commissions, officers, employees and agents, by any employee of the Contractor or any of its Subcontractors, the indemnification obligation under the Contract must not be limited in any way by the amount or type of damages, compensation or benefits payable by or for the Contractor or any of its Subcontractors under worker's disability compensation acts, disability benefit acts or other employee benefit acts. This indemnification clause is intended to be comprehensive. Any overlap in provisions, or the fact that greater specificity is provided as to some categories of risk, is not intended to limit the scope of indemnification under any other provisions.



2.144 Patent/Copyright Infringement Indemnification

To the extent permitted by law, the Contractor must indemnify, defend and hold harmless the State from and against all losses, liabilities, damages (including taxes), and all related costs and expenses (including reasonable attorneys' fees and costs of investigation, litigation, settlement, judgments, interest and penalties) incurred in connection with any action or proceeding threatened or brought against the State to the extent that the action or proceeding is based on a claim that any piece of equipment, software, commodity or service supplied by the Contractor or its Subcontractors, or the operation of the equipment, software, commodity or service, or the use or reproduction of any documentation provided with the equipment, software, commodity or service infringes any United States patent, copyright, trademark or trade secret of any person or entity, which is enforceable under the laws of the United States.

In addition, should the equipment, software, commodity, or service, or its operation, become or in the State's or Contractor's opinion be likely to become the subject of a claim of infringement, the Contractor must at the Contractor's sole expense (i) procure for the State the right to continue using the equipment, software, commodity or service or, if the option is not reasonably available to the Contractor, (ii) replace or modify to the State's satisfaction the same with equipment, software, commodity or service of equivalent function and performance so that it becomes non-infringing, or, if the option is not reasonably available to Contractor, (iii) accept its return by the State with appropriate credits to the State against the Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.

Notwithstanding the foregoing, the Contractor has no obligation to indemnify or defend the State for, or to pay any costs, damages or attorneys' fees related to, any claim based upon (i) equipment developed based on written specifications of the State; (ii) use of the equipment in a configuration other than implemented or approved in writing by the Contractor, including, but not limited to, any modification of the equipment by the State; or (iii) the combination, operation, or use of the equipment with equipment or software not supplied by the Contractor under this Contract.

2.145 Continuation of Indemnification Obligations

The Contractor's duty to indemnify under this Section continues in full force and effect, notwithstanding the expiration or early cancellation of the Contract, with respect to any claims based on facts or conditions that occurred before expiration or cancellation.

2.146 Indemnification Procedures

The procedures set forth below must apply to all indemnity obligations under this Contract.

(a) After the State receives notice of the action or proceeding involving a claim for which it will seek indemnification, the State must promptly notify Contractor of the claim in writing and take or assist Contractor in taking, as the case may be, any reasonable action to avoid the imposition of a default judgment against Contractor. No failure to notify the Contractor relieves the Contractor of its indemnification obligations except to the extent that the Contractor can prove damages attributable to the failure. Within 10 days following receipt of written notice from the State relating to any claim, the Contractor must notify the State in writing whether Contractor agrees to assume control of the defense and settlement of that claim (a "Notice of Election"). After notifying Contractor of a claim and before the State receiving Contractor's Notice of Election, the State is entitled to defend against the claim, at the Contractor's expense, and the Contractor will be responsible for any reasonable costs incurred by the State in defending against the claim during that period.



(b) If Contractor delivers a Notice of Election relating to any claim: (i) the State is entitled to participate in the defense of the claim and to employ counsel at its own expense to assist in the handling of the claim and to monitor and advise the State about the status and progress of the defense; (ii) the Contractor must, at the request of the State, demonstrate to the reasonable satisfaction of the State, the Contractor's financial ability to carry out its defense and indemnity obligations under this Contract; (iii) the Contractor must periodically advise the State about the status and progress of the defense and must obtain the prior written approval of the State before entering into any settlement of the claim or ceasing to defend against the claim and (iv) to the extent that any principles of Michigan governmental or public law may be involved or challenged, the State has the right, at its own expense, to control the defense of that portion of the claim involving the principles of Michigan governmental or public law. But the State may retain control of the defense and settlement of a claim by notifying the Contractor in writing within 10 days after the State's receipt of Contractor's information requested by the State under clause (ii) of this paragraph if the State determines that the Contractor has failed to demonstrate to the reasonable satisfaction of the State the Contractor's financial ability to carry out its defense and indemnity obligations under this Section. Any litigation activity on behalf of the State, or any of its subdivisions under this Section, must be coordinated with the Department of Attorney General. In the event the insurer's attorney represents the State under this Section, the insurer's attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.

(c) If Contractor does not deliver a Notice of Election relating to any claim of which it is notified by the State as provided above, the State may defend the claim in the manner as it may deem appropriate, at the cost and expense of Contractor. If it is determined that the claim was one against which Contractor was required to indemnify the State, upon request of the State, Contractor must promptly reimburse the State for all the reasonable costs and expenses.

2.150 Termination/Cancellation

2.151 Notice and Right to Cure

If the Contractor breaches the contract, and the State in its sole discretion determines that the breach is curable, then the State will provide the Contractor with written notice of the breach and a time period (not less than 30 days) to cure the Breach. The notice of breach and opportunity to cure is inapplicable for successive or repeated breaches or if the State determines in its sole discretion that the breach poses a serious and imminent threat to the health or safety of any person or the imminent loss, damage, or destruction of any real or tangible personal property.

2.152 Termination for Cause

(a) The State may terminate this contract, for cause, by notifying the Contractor in writing, if the Contractor (i) breaches any of its material duties or obligations under this Contract (including a Chronic Failure to meet any particular SLA), or (ii) fails to cure a breach within the time period specified in the written notice of breach provided by the State

(b) If this Contract is terminated for cause, the Contractor must pay all costs incurred by the State in terminating this Contract, including but not limited to, State administrative costs, reasonable attorneys' fees and court costs, and any reasonable additional costs the State may incur to procure the Services/Deliverables required by this Contract from other sources. Re-procurement costs are not consequential, indirect or incidental damages, and cannot be excluded by any other terms otherwise included in this Contract, provided the costs are not in excess of 50% more than the prices for the Service/Deliverables provided under this Contract.



(c) If the State chooses to partially terminate this Contract for cause, charges payable under this Contract will be equitably adjusted to reflect those Services/Deliverables that are terminated and the State must pay for all Services/Deliverables for which Final Acceptance has been granted provided up to the termination date. Services and related provisions of this Contract that are terminated for cause must cease on the effective date of the termination.

(d) If the State terminates this Contract for cause under this Section, and it is determined, for any reason, that Contractor was not in breach of contract under the provisions of this section, that termination for cause must be deemed to have been a termination for convenience, effective as of the same date, and the rights and obligations of the parties must be limited to that otherwise provided in this Contract for a termination for convenience.

2.153 Termination for Convenience

The State may terminate this Contract for its convenience, in whole or part, if the State determines that a termination is in the State's best interest. Reasons for the termination must be left to the sole discretion of the State and may include, but not necessarily be limited to (a) the State no longer needs the Services or products specified in the Contract, (b) relocation of office, program changes, changes in laws, rules, or regulations make implementation of the Services no longer practical or feasible, (c) unacceptable prices for Additional Services or New Work requested by the State, or (d) falsification or misrepresentation, by inclusion or non-inclusion, of information material to a response to any RFP issued by the State. The State may terminate this Contract for its convenience, in whole or in part, by giving Contractor written notice at least 30 days before the date of termination. If the State chooses to terminate this Contract in part, the charges payable under this Contract must be equitably adjusted to reflect those Services/Deliverables that are terminated. Services and related provisions of this Contract that are terminated for cause must cease on the effective date of the termination.

2.154 Termination for Non-Appropriation

(a) Contractor acknowledges that, if this Contract extends for several fiscal years, continuation of this Contract is subject to appropriation or availability of funds for this Contract. If funds to enable the State to effect continued payment under this Contract are not appropriated or otherwise made available, the State must terminate this Contract and all affected Statements of Work, in whole or in part, at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of termination to Contractor. The State must give Contractor at least 30 days advance written notice of termination for non-appropriation or unavailability (or the time as is available if the State receives notice of the final decision less than 30 days before the funding cutoff).

(b) If funding for the Contract is reduced by law, or funds to pay Contractor for the agreed-to level of the Services or production of Deliverables to be provided by Contractor are not appropriated or otherwise unavailable, the State may, upon 30 days written notice to Contractor, reduce the level of the Services or the change the production of Deliverables in the manner and for the periods of time as the State may elect. The charges payable under this Contract will be equitably adjusted to reflect any equipment, services or commodities not provided by reason of the reduction.

(c) If the State terminates this Contract, eliminates certain Deliverables, or reduces the level of Services to be provided by Contractor under this Section, the State must pay Contractor for all Work-in-Process performed through the effective date of the termination or reduction in level, as the case may be and as determined by the State, to the extent funds are available. This Section will not preclude Contractor from reducing or stopping Services/Deliverables or raising against the State in a court of



competent jurisdiction, any claim for a shortfall in payment for Services performed or Deliverables finally accepted before the effective date of termination.

2.155 Termination for Criminal Conviction

The State may terminate this Contract immediately and without further liability or penalty in the event Contractor, an officer of Contractor, or an owner of a 25% or greater share of Contractor is convicted of a criminal offense related to a State, public or private Contract or subcontract.

2.156 Termination for Approvals Rescinded

The State may terminate this Contract if any final administrative or judicial decision or adjudication disapproves a previously approved request for purchase of personal services under Constitution 1963, Article 11, § 5, and Civil Service Rule 7-1. In that case, the State will pay the Contractor for only the work completed to that point under the Contract. Termination may be in whole or in part and may be immediate as of the date of the written notice to Contractor or may be effective as of the date stated in the written notice.

2.157 Rights and Obligations upon Termination

(a) If the State terminates this Contract for any reason, the Contractor must (a) stop all work as specified in the notice of termination, (b) take any action that may be necessary, or that the State may direct, for preservation and protection of Deliverables or other property derived or resulting from this Contract that may be in Contractor's possession, (c) return all materials and property provided directly or indirectly to Contractor by any entity, agent or employee of the State, (d) transfer title in, and deliver to, the State, unless otherwise directed, all Deliverables intended to be transferred to the State at the termination of the Contract and which are resulting from the Contract (which must be provided to the State on an "As-Is" basis except to the extent the amounts paid by the State in respect of the items included compensation to Contractor for the provision of warranty services in respect of the materials), and (e) take any action to mitigate and limit any potential damages, or requests for Contractor adjustment or termination settlement costs, to the maximum practical extent, including terminating or limiting as otherwise applicable those subcontracts and outstanding orders for material and supplies resulting from the terminated Contract.

(b) If the State terminates this Contract before its expiration for its own convenience, the State must pay Contractor for all charges due for Services provided before the date of termination and, if applicable, as a separate item of payment under this Contract, for Work In Process, on a percentage of completion basis at the level of completion determined by the State. All completed or partially completed Deliverables prepared by Contractor under this Contract, at the option of the State, becomes the State's property, and Contractor is entitled to receive equitable fair compensation for the Deliverables. Regardless of the basis for the termination, the State is not obligated to pay, or otherwise compensate, Contractor for any lost expected future profits, costs or expenses incurred with respect to Services not actually performed for the State.

(c) Upon a good faith termination, the State may assume, at its option, any subcontracts and agreements for services and deliverables provided under this Contract, and may further pursue completion of the Services/Deliverables under this Contract by replacement contract or otherwise as the State may in its sole judgment deem expedient.



2.158 Reservation of Rights

Any termination of this Contract or any Statement of Work issued under it by a party must be with full reservation of, and without prejudice to, any rights or remedies otherwise available to the party with respect to any claims arising before or as a result of the termination.

2.160 Termination by Contractor

2.161 Termination by Contractor

If the State breaches the Contract, and the Contractor in its sole discretion determines that the breach is curable, then the Contractor will provide the State with written notice of the breach and a time period (not less than 30 days) to cure the breach. The Notice of Breach and opportunity to cure is inapplicable for successive and repeated breaches.

The Contractor may terminate this Contract if the State (i) materially breaches its obligation to pay the Contractor undisputed amounts due and owing under this Contract, (ii) breaches its other obligations under this Contract to an extent that makes it impossible or commercially impractical for the Contractor to perform the Services, or (iii) does not cure the breach within the time period specified in a written notice of breach. But the Contractor must discharge its obligations under **Section 2.160** before it terminates the Contract.

2.170 Transition Responsibilities

2.171 Contractor Transition Responsibilities

If the State terminates this contract, for convenience or cause, or if the Contract is otherwise dissolved, voided, rescinded, nullified, expires or rendered unenforceable, the Contractor agrees to comply with direction provided by the State to assist in the orderly transition of equipment, services, software, leases, etc. to the State or a third party designated by the State. If this Contract expires or terminates, the Contractor agrees to make all reasonable efforts to effect an orderly transition of services within a reasonable period of time that in no event will exceed 30 days. These efforts must include, but are not limited to, those listed in **Sections 2.141, 2.142, 2.143, 2.144, and 2.145.**

2.172 Contractor Personnel Transition

The Contractor must work with the State, or a specified third party, to develop a transition plan setting forth the specific tasks and schedule to be accomplished by the parties, to effect an orderly transition. The Contractor must allow as many personnel as practicable to remain on the job to help the State, or a specified third party, maintain the continuity and consistency of the services required by this Contract. In addition, during or following the transition period, in the event the State requires the Services of the Contractor's Subcontractors or vendors, as necessary to meet its needs, Contractor agrees to reasonably, and with good-faith, work with the State to use the Services of Contractor's Subcontractors or vendors. Contractor will notify all of Contractor's Subcontractors of procedures to be followed during transition.

2.173 Contractor Information Transition

The Contractor agrees to provide reasonable detailed specifications for all Services/Deliverables needed by the State, or specified third party, to properly provide the Services/Deliverables required under this Contract. The Contractor will provide the State with asset management data generated from the inception of this Contract through the date on which this Contractor is terminated in a comma-delineated format unless otherwise requested by the State. The Contractor will deliver to the State any remaining owed reports and documentation still in Contractor's possession subject to appropriate payment by the State.



2.174 Contractor Software Transition

The Contractor must reasonably assist the State in the acquisition of any Contractor software required to perform the Services/use the Deliverables under this Contract. This must include any documentation being used by the Contractor to perform the Services under this Contract. If the State transfers any software licenses to the Contractor, those licenses must, upon expiration of the Contract, transfer back to the State at their current revision level. Upon notification by the State, Contractor may be required to freeze all non-critical changes to Deliverables/Services.

2.175 Transition Payments

If the transition results from a termination for any reason, reimbursement must be governed by the termination provisions of this Contract. If the transition results from expiration, the Contractor will be reimbursed for all reasonable transition costs (i.e. costs incurred within the agreed period after contract expiration that result from transition operations) at the rates agreed upon by the State. The Contractor will prepare an accurate accounting from which the State and Contractor may reconcile all outstanding accounts.

2.176 State Transition Responsibilities

In the event that this Contract is terminated, dissolved, voided, rescinded, nullified, or otherwise rendered unenforceable, the State agrees to perform the following obligations, and any others upon which the State and the Contractor agree:

- (a) Reconciling all accounts between the State and the Contractor;
- (b) Completing any pending post-project reviews.

2.180 Stop Work

2.181 Stop Work Orders

The State may, at any time, by written stop work order to Contractor, require that Contractor stop all, or any part, of the work called for by the Contract for a period of up to 90 calendar days after the stop work order is delivered to Contractor, and for any further period to which the parties may agree. The stop work order must be identified as a stop work order and must indicate that it is issued under **Section 2.180**. Upon receipt of the stop work order, Contractor must immediately comply with its terms and take all reasonable steps to minimize incurring costs allocable to the work covered by the stop work order during the period of work stoppage. Within the period of the stop work order, the State must either: (a) cancel the stop work order; or (b) terminate the work covered by the stop work order as provided in **Section 2.150**.

2.182 Cancellation or Expiration of Stop Work Order

The Contractor must resume work if the State cancels a Stop Work Order or if it expires. The parties will agree upon an equitable adjustment in the delivery schedule, the Contract price, or both, and the Contract must be modified, in writing, accordingly, if: (a) the stop work order results in an increase in the time required for, or in Contractor's costs properly allocable to, the performance of any part of the Contract; and (b) Contractor asserts its right to an equitable adjustment within 30 calendar days after the end of the period of work stoppage; provided that, if the State decides the facts justify the action, the State may receive and act upon a Contractor proposal submitted at any time before final payment under the Contract. Any adjustment will conform to the requirements of **Section 2.024**.

2.183 Allowance of Contractor Costs

If the stop work order is not canceled and the work covered by the stop work order is terminated for reasons other than material breach, the termination must be deemed to be a termination for convenience



~~under Section 2.153~~ and the State will pay reasonable costs resulting from the stop work order in arriving at the termination settlement. For the avoidance of doubt, the State is not be liable to Contractor for loss of profits because of a stop work order issued under this **Section 2.180**.

2.190 Dispute Resolution

2.191 In General

Any claim, counterclaim, or dispute between the State and Contractor arising out of or relating to the Contract or any Statement of Work must be resolved as follows. For all Contractor claims seeking an increase in the amounts payable to Contractor under the Contract, or the time for Contractor's performance, Contractor must submit a letter, together with all data supporting the claims, executed by Contractor's Contract Administrator or the Contract Administrator's designee certifying that (a) the claim is made in good faith, (b) the amount claimed accurately reflects the adjustments in the amounts payable to Contractor or the time for Contractor's performance for which Contractor believes the State is liable and covers all costs of every type to which Contractor is entitled from the occurrence of the claimed event, and (c) the claim and the supporting data are current and complete to Contractor's best knowledge and belief.

2.192 Informal Dispute Resolution

- (a) All disputes between the parties must be resolved under the Contract Management procedures in this Contract. If the parties are unable to resolve any disputes after compliance with the processes, the parties must meet with the Director of Purchasing Operations, DMB, or designee, for the purpose of attempting to resolve the dispute without the need for formal legal proceedings, as follows:
 - (i) The representatives of Contractor and the State must meet as often as the parties reasonably deem necessary to gather and furnish to each other all information with respect to the matter in issue which the parties believe to be appropriate and germane in connection with its resolution. The representatives must discuss the problem and negotiate in good faith in an effort to resolve the dispute without the necessity of any formal proceeding.
 - (ii) During the course of negotiations, all reasonable requests made by one party to another for non-privileged information reasonably related to the Contract will be honored in order that each of the parties may be fully advised of the other's position.
 - (iii) The specific format for the discussions will be left to the discretion of the designated State and Contractor representatives, but may include the preparation of agreed upon statements of fact or written statements of position.
 - (iv) Following the completion of this process within 60 calendar days, the Director of Purchasing Operations, DMB, or designee, must issue a written opinion regarding the issue(s) in dispute within 30 calendar days. The opinion regarding the dispute must be considered the State's final action and the exhaustion of administrative remedies.
- (b) This Section will not be construed to prevent either party from instituting, and a party is authorized to institute, formal proceedings earlier to avoid the expiration of any applicable limitations period, to preserve a superior position with respect to other creditors, or under **Section 2.193**.
- (c) The State will not mediate disputes between the Contractor and any other entity, except state agencies, concerning responsibility for performance of work under the Contract.

2.193 Injunctive Relief

The only circumstance in which disputes between the State and Contractor will not be subject to the provisions of **Section 2.192** is where a party makes a good faith determination that a breach of the terms of the Contract by the other party is the that the damages to the party resulting from the breach will be so



immediate, so large or severe and so incapable of adequate redress after the fact that a temporary restraining order or other immediate injunctive relief is the only adequate remedy.

2.194 Continued Performance

Each party agrees to continue performing its obligations under the Contract while a dispute is being resolved except to the extent the issue in dispute precludes performance (dispute over payment must not be deemed to preclude performance) and without limiting either party's right to terminate the Contract as provided in **Section 2.150**, as the case may be.

2.200 Federal and State Contract Requirements

2.201 Nondiscrimination

In the performance of the Contract, Contractor agrees not to discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, physical or mental disability. Contractor further agrees that every subcontract entered into for the performance of this Contract or any purchase order resulting from this Contract will contain a provision requiring non-discrimination in employment, as specified here, binding upon each Subcontractor. This covenant is required under the Elliot Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, et seq., and the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, et seq., and any breach of this provision may be regarded as a material breach of the Contract.

2.202 Unfair Labor Practices

Under 1980 PA 278, MCL 423.321, et seq., the State must not award a Contract or subcontract to an employer whose name appears in the current register of employers failing to correct an unfair labor practice compiled under section 2 of the Act. This information is compiled by the United States National Labor Relations Board. A Contractor of the State, in relation to the Contract, must not enter into a contract with a Subcontractor, manufacturer, or supplier whose name appears in this register. Under section 4 of 1980 PA 278, MCL 423.324, the State may void any Contract if, after award of the Contract, the name of Contractor as an employer or the name of the Subcontractor, manufacturer or supplier of Contractor appears in the register.

2.203 Workplace Safety and Discriminatory Harassment

In performing Services for the State, the Contractor must comply with the Department of Civil Services Rule 2-20 regarding Workplace Safety and Rule 1-8.3 regarding Discriminatory Harassment. In addition, the Contractor must comply with Civil Service regulations and any applicable agency rules provided to the Contractor. For Civil Service Rules, see <http://www.mi.gov/mdcs/0,1607,7-147-6877---,00.html>.

2.204 Prevailing Wage

The rates of wages and fringe benefits to be paid each class of individuals employed by the Contractor, its Subcontractors, their Subcontractors, and all persons involved with the performance of this Contract in privity of contract with the Contractor shall not be less than the wage rates and fringe benefits established by the Michigan Department of Labor and Economic Development, Wage and Hour Bureau, schedule of occupational classification and wage rates and fringe benefits for the local where the work is to be performed. The term Contractor shall include all general contractors, prime contractors, project managers, trade contractors, and all of their contractors or Subcontractors and persons in privity of contract with them.



The Contractor, its Subcontractors, their Subcontractors and all persons involved with the performance of ~~this contract in privity of contract with the Contractor shall keep posted on the work site, in a conspicuous~~ place, a copy of all wage rates and fringe benefits as prescribed in the contract. You must also post, in a conspicuous place, the address and telephone number of the Michigan Department of Labor and Economic Development, the office responsible for enforcement of the wage rates and fringe benefits. You shall keep an accurate record showing the name and occupation of the actual wage and benefits paid

to each individual employed in connection with this contract. This record shall be available to the State upon request for reasonable inspection.

If any trade is omitted from the list of wage rates and fringe benefits to be paid to each class of individuals by the Contractor, it is understood that the trades omitted shall also be paid not less than the wage rate and fringe benefits prevailing in the local where the work is to be performed.

2.210 Governing Law

2.211 Governing Law

The Contract must in all respects be governed by, and construed according to, the substantive laws of the State of Michigan without regard to any Michigan choice of law rules that would apply the substantive law of any other jurisdiction to the extent not inconsistent with, or pre-empted by federal law.

2.212 Compliance with Laws

Contractor shall comply with all applicable state, federal and local laws and ordinances in providing the Services/Deliverables.

2.213 Jurisdiction

Any dispute arising from the Contract must be resolved in the State of Michigan. With respect to any claim between the parties, Contractor consents to venue in Ingham County, Michigan, and irrevocably waives any objections it may have to the jurisdiction on the grounds of lack of personal jurisdiction of the court or the laying of venue of the court or on the basis of forum non conveniens or otherwise. Contractor agrees to appoint agents in the State of Michigan to receive service of process.

2.220 Limitation of Liability

2.221 Limitation of Liability

Neither the Contractor nor the State is liable to each other, regardless of the form of action, for consequential, incidental, indirect, or special damages. This limitation of liability does not apply to claims for infringement of United States patent, copyright, trademark or trade secrets; to claims for personal injury or damage to property caused by the gross negligence or willful misconduct of the Contractor; to claims covered by other specific provisions of this Contract calling for liquidated damages; or to court costs or attorney's fees awarded by a court in addition to damages after litigation based on this Contract.

2.230 Disclosure Responsibilities

2.231 Disclosure of Litigation

(a) Disclosure. Contractor must disclose any material criminal litigation, investigations or proceedings involving the Contractor (and each Subcontractor) or any of its officers or directors or any litigation, investigations or proceedings under the Sarbanes-Oxley Act. In addition, each Contractor (and each Subcontractor) must notify the State of any material civil litigation, arbitration or proceeding which



arises during the term of the Contract and extensions, to which Contractor (or, to the extent Contractor is aware, any Subcontractor) is a party, and which involves: (i) disputes that might reasonably be expected to adversely affect the viability or financial stability of Contractor or any Subcontractor; or (ii) a claim or written allegation of fraud against Contractor or, to the extent Contractor is aware, any Subcontractor by a governmental or public entity arising out of their business dealings with governmental or public entities. The Contractor must disclose in writing to the Contract Administrator any litigation, investigation, arbitration or other proceeding (collectively, "Proceeding") within 30 days of its occurrence. Details of settlements which are prevented from disclosure by the terms of the settlement may be annotated. Information provided to the State from Contractor's publicly filed documents referencing its material litigation will be deemed to satisfy the requirements of this Section.

(b) Assurances. If any Proceeding disclosed to the State under this Section, or of which the State otherwise becomes aware, during the term of this Contract would cause a reasonable party to be concerned about:

- (i) the ability of Contractor (or a Subcontractor) to continue to perform this Contract according to its terms and conditions, or
- (ii) whether Contractor (or a Subcontractor) in performing Services for the State is engaged in conduct which is similar in nature to conduct alleged in the Proceeding, which conduct would constitute a breach of this Contract or a violation of Michigan law, regulations or public policy, then the Contractor must provide the State all reasonable assurances requested by the State to demonstrate that:

- (a) Contractor and its Subcontractors will be able to continue to perform this Contract and any Statements of Work according to its terms and conditions, and
- (b) Contractor and its Subcontractors have not and will not engage in conduct in performing the Services which is similar in nature to the conduct alleged in the Proceeding.

(c) Contractor must make the following notifications in writing:

- (1) Within 30 days of Contractor becoming aware that a change in its ownership or officers has occurred, or is certain to occur, or a change that could result in changes in the valuation of its capitalized assets in the accounting records, Contractor must notify DMB PurchOps.
- (2) Contractor must also notify DMB PurchOps within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership or officers.
- (3) Contractor must also notify DMB PurchOps within 30 days whenever changes to company affiliations occur.

2.232 Call Center Disclosure – Deleted, Not Applicable

2.233 Bankruptcy

The State may, without prejudice to any other right or remedy, terminate this Contract, in whole or in part, and, at its option, may take possession of the "Work in Process" and finish the Works in Process by whatever appropriate method the State may deem expedient if:

- (a) the Contractor files for protection under the bankruptcy laws;
- (b) an involuntary petition is filed against the Contractor and not removed within 30 days;
- (c) the Contractor becomes insolvent or if a receiver is appointed due to the Contractor's insolvency;
- (d) the Contractor makes a general assignment for the benefit of creditors; or



(e) the Contractor or its affiliates are unable to provide reasonable assurances that the Contractor or its affiliates can deliver the services under this Contract.

Contractor will fix appropriate notices or labels on the Work in Process to indicate ownership by the State. To the extent reasonably possible, materials and Work in Process must be stored separately from other stock and marked conspicuously with labels indicating ownership by the State.

2.240 Performance

2.241 Time of Performance

- (a) Contractor must use commercially reasonable efforts to provide the resources necessary to complete all Services and Deliverables according to the time schedules contained in the Statements of Work and other Exhibits governing the work, and with professional quality.
- (b) Without limiting the generality of **Section 2.241(a)**, Contractor must notify the State in a timely manner upon becoming aware of any circumstances that may reasonably be expected to jeopardize the timely and successful completion of any Deliverables/Services on the scheduled due dates in the latest State-approved delivery schedule and must inform the State of the projected actual delivery date.
- (c) If the Contractor believes that a delay in performance by the State has caused or will cause the Contractor to be unable to perform its obligations according to specified Contract time periods, the Contractor must notify the State in a timely manner and must use commercially reasonable efforts to perform its obligations according to the Contract time periods notwithstanding the State's failure. Contractor will not be in default for a delay in performance to the extent the delay is caused by the State.
- (d) Should the State of Michigan issue an Executive Order thru the Office of State Employer mandating furlough days, the furlough days will not be considered a Business Day. The Contractor will not seek additional costs from the State for project schedule extensions to the extent such extensions are needed due to Contractor's inability to complete deliverables and milestones in accordance with the project schedule as a result of the above mentioned furlough days.

2.242 Service Level Agreements (SLAs)

- (a) SLAs will be completed with the following operational considerations:
 - (i) SLAs will not be calculated for individual Incidents where any event of Excusable Failure has been determined; Incident means any interruption in Services.
 - (ii) SLAs will not be calculated for individual Incidents where loss of service is planned and where the State has received prior notification or coordination.
 - (iii) SLAs will not apply if the applicable Incident could have been prevented through planning proposed by Contractor and not implemented at the request of the State. To invoke this consideration, complete documentation relevant to the denied planning proposal must be presented to substantiate the proposal.
 - (iv) Time period measurements will be based on the time Incidents are received by the Contractor and the time that the State receives notification of resolution based on 24x7x365 time period, except that the time period measurement will be suspended based on the following:
 1. Time period(s) will not apply where Contractor does not have access to a physical State Location and where access to the State Location is necessary for problem identification and resolution.
 2. Time period(s) will not apply where Contractor needs to obtain timely and accurate information or appropriate feedback and is unable to obtain timely and accurate information or appropriate feedback from the State.



- (b) Chronic Failure for any Service(s) will be defined as three unscheduled outage(s) or interruption(s) on any individual Service for the same reason or cause or if the same reason or cause was reasonably discoverable in the first instance over a rolling 30 day period. Chronic Failure will result in the State's option to terminate the effected individual Service(s) and procure them from a different vendor for the chronic location(s) with Contractor to pay the difference in charges for up to three additional months. The termination of the Service will not affect any tiered pricing levels.
- (c) Root Cause Analysis will be performed on any Business Critical outage(s) or outage(s) on Services when requested by the Contract Administrator. Contractor will provide its analysis within two weeks of outage(s) and provide a recommendation for resolution.
- (d) All decimals must be rounded to two decimal places with five and greater rounding up and four and less rounding down unless otherwise specified.

2.243 Liquidated Damages

The parties acknowledge that late or improper completion of the Work will cause loss and damage to the State, and that it would be impracticable and extremely difficult to fix the actual damage sustained by the State as a result. Therefore, Contractor and the State agree that if there is late or improper completion of the Work and the State does not elect to exercise its rights under **Section 2.141**, the State is entitled to collect liquidated damages in the amount of \$5,000.00 and an additional \$100.00 per day for each day Contractor fails to remedy the late or improper completion of the Work.

It is acknowledged that an Unauthorized Removal will interfere with the timely and proper completion of the Contract, to the loss and damage of the State, and that it would be impracticable and extremely difficult to fix the actual damage sustained by the State as a result of any Unauthorized Removal. Therefore, Contractor and the State agree that in the case of any Unauthorized Removal in respect of which the State does not elect to exercise its rights under **Section 2.141**, the State may assess liquidated damages against Contractor as specified below.

For the Unauthorized Removal of any Key Personnel designated in the applicable Statement of Work, the liquidated damages amount is \$25,000.00 per individual if the Contractor identifies a replacement approved by the State under **Section 2.060** and assigns the replacement to the Project to shadow the Key Personnel who is leaving for a period of at least 30 days before the Key Personnel's removal.

If Contractor fails to assign a replacement to shadow the removed Key Personnel for at least 30 days, in addition to the \$25,000.00 liquidated damages for an Unauthorized Removal, Contractor must pay the amount of \$833.33 per day for each day of the 30 day shadow period that the replacement Key Personnel does not shadow the removed Key Personnel, up to \$25,000.00 maximum per individual. The total liquidated damages that may be assessed per Unauthorized Removal and failure to provide 30 days of shadowing must not exceed \$50,000.00 per individual.

2.244 Excusable Failure

Neither party will be liable for any default, damage or delay in the performance of its obligations under the Contract to the extent the default, damage or delay is caused by government regulations or requirements (executive, legislative, judicial, military or otherwise), power failure, electrical surges or current fluctuations, lightning, earthquake, war, water or other forces of nature or acts of God, delays or failures of transportation, equipment shortages, suppliers' failures, or acts or omissions of common carriers, fire; riots, civil disorders; strikes or other labor disputes, embargoes; injunctions (provided the injunction was not issued as a result of any fault or negligence of the party seeking to have its default or delay excused); or any other cause beyond the reasonable control of a party; provided the non-performing party and its Subcontractors are without fault in causing the default or delay, and the default or delay



could not have been prevented by reasonable precautions and cannot reasonably be circumvented by the non-performing party through the use of alternate sources, workaround plans or other means, including disaster recovery plans.

If a party does not perform its contractual obligations for any of the reasons listed above, the non-performing party will be excused from any further performance of its affected obligation(s) for as long as the circumstances prevail. But the party must use commercially reasonable efforts to recommence performance whenever and to whatever extent possible without delay. A party must promptly notify the other party in writing immediately after the excusable failure occurs, and also when it abates or ends.

If any of the above-enumerated circumstances substantially prevent, hinder, or delay the Contractor's performance of the Services/provision of Deliverables for more than 10 Business Days, and the State determines that performance is not likely to be resumed within a period of time that is satisfactory to the State in its reasonable discretion, then at the State's option: (a) the State may procure the affected Services/Deliverables from an alternate source, and the State is not be liable for payment for the unperformed Services/ Deliverables not provided under the Contract for so long as the delay in performance continues; (b) the State may terminate any portion of the Contract so affected and the charges payable will be equitably adjusted to reflect those Services/Deliverables terminated; or (c) the State may terminate the affected Statement of Work without liability to Contractor as of a date specified by the State in a written notice of termination to the Contractor, except to the extent that the State must pay for Services/Deliverables provided through the date of termination.

The Contractor will not have the right to any additional payments from the State as a result of any Excusable Failure occurrence or to payments for Services not rendered/Deliverables not provided as a result of the Excusable Failure condition. Defaults or delays in performance by Contractor which are caused by acts or omissions of its Subcontractors will not relieve Contractor of its obligations under the Contract except to the extent that a Subcontractor is itself subject to an Excusable Failure condition described above and Contractor cannot reasonably circumvent the effect of the Subcontractor's default or delay in performance through the use of alternate sources, workaround plans or other means.

2.250 Approval of Deliverables

2.251 Delivery Responsibilities

Unless otherwise specified by the State within an individual order, the following must be applicable to all orders issued under this Contract.

- (a) Shipment responsibilities - Services performed/Deliverables provided under this Contract must be delivered "F.O.B. Destination, within Government Premises." The Contractor must have complete responsibility for providing all Services/Deliverables to all site(s) unless otherwise stated. Actual delivery dates will be specified on the individual purchase order.
- (b) Delivery locations - Services will be performed/Deliverables will be provided at every State of Michigan location within Michigan unless otherwise stated in the SOW. Specific locations will be provided by the State or upon issuance of individual purchase orders.
- (c) Damage Disputes - At the time of delivery to State Locations, the State must examine all packages. The quantity of packages delivered must be recorded and any obvious visible or suspected damage must be noted at time of delivery using the shipper's delivery document(s) and appropriate procedures to record the damage.



Where there is no obvious or suspected damage, all deliveries to a State Location must be opened by the State and the contents inspected for possible internal damage not visible externally within 14 days of receipt. Any damage must be reported to the Contractor within five days of inspection.

2.252 Delivery of Deliverables

Where applicable, the Statements of Work/POs contain lists of the Deliverables to be prepared and delivered by Contractor including, for each Deliverable, the scheduled delivery date and a designation of whether the Deliverable is a document (“Written Deliverable”), a good (“Physical Deliverable”) or a Service. All Deliverables must be completed and delivered for State review and written approval and, where applicable, installed according to the State-approved delivery schedule and any other applicable terms and conditions of the Contract.

2.253 Testing

(a) Before delivering any of the above-mentioned Statement of Work Physical Deliverables or Services to the State, Contractor will first perform all required quality assurance activities to verify that the Physical Deliverable or Service is complete and conforms with its specifications listed in the applicable Statement of Work or Purchase Order. Before delivering a Physical Deliverable or Service to the State, Contractor must certify to the State that (1) it has performed the quality assurance activities, (2) it has performed any applicable testing, (3) it has corrected all material deficiencies discovered during the quality assurance activities and testing, (4) the Deliverable or Service is in a suitable state of readiness for the State’s review and approval, and (5) the Deliverable/Service has all Critical Security patches/updates applied.

(b) If a Deliverable includes installation at a State Location, then Contractor must (1) perform any applicable testing, (2) correct all material deficiencies discovered during the quality assurance activities and testing, and (3) inform the State that the Deliverable is in a suitable state of readiness for the State’s review and approval. To the extent that testing occurs at State Locations, the State is entitled to observe or otherwise participate in testing.

2.254 Approval of Deliverables, In General

(a) All Deliverables (Physical Deliverables and Written Deliverables) and Services require formal written approval by the State, according to the following procedures. Formal approval by the State requires the State to confirm in writing that the Deliverable meets its specifications. Formal approval may include the successful completion of Testing as applicable in **Section 2.253**, to be led by the State with the support and assistance of Contractor. The approval process will be facilitated by ongoing consultation between the parties, inspection of interim and intermediate Deliverables and collaboration on key decisions.

(b) The State’s obligation to comply with any State Review Period is conditioned on the timely delivery of Deliverables/Services being reviewed.

(c) Before commencement of its review or testing of a Deliverable/Service, the State may inspect the Deliverable/Service to confirm that all components of the Deliverable/Service have been delivered without material deficiencies. If the State determines that the Deliverable/Service has material deficiencies, the State may refuse delivery of the Deliverable/Service without performing any further inspection or testing of the Deliverable/Service. Otherwise, the review period will be deemed to have started on the day the State receives the Deliverable or the Service begins, and the State and Contractor agree that the Deliverable/Service is ready for use and, where applicable, certification by Contractor according to **Section 2.253**.



(d) The State will approve in writing a Deliverable/Service after confirming that it conforms to and ~~performs according to its specifications without material deficiency. The State may, but is not be required~~ to, conditionally approve in writing a Deliverable/Service that contains material deficiencies if the State elects to permit Contractor to rectify them post-approval. In any case, Contractor will be responsible for working diligently to correct within a reasonable time at Contractor's expense all deficiencies in the Deliverable/Service that remain outstanding at the time of State approval.

(e) If, after three opportunities (the original and two repeat efforts), the Contractor is unable to correct all deficiencies preventing Final Acceptance of a Deliverable/Service, the State may: (i) demand that the Contractor cure the failure and give the Contractor additional time to cure the failure at the sole expense of the Contractor; or (ii) keep the Contract in force and do, either itself or through other parties, whatever the Contractor has failed to do, and recover the difference between the cost to cure the deficiency and the contract price plus an additional sum equal to 10% of the cost to cure the deficiency to cover the State's general expenses provided the State can furnish proof of the general expenses; or (iii) terminate the particular Statement of Work for default, either in whole or in part by notice to Contractor provided Contractor is unable to cure the breach. Notwithstanding the foregoing, the State cannot use, as a basis for exercising its termination rights under this Section, deficiencies discovered in a repeat State Review Period that could reasonably have been discovered during a prior State Review Period.

(f) The State, at any time and in its reasonable discretion, may halt the testing or approval process if the process reveals deficiencies in or problems with a Deliverable/Service in a sufficient quantity or of a sufficient severity that renders continuing the process unproductive or unworkable. If that happens, the State may stop using the Service or return the applicable Deliverable to Contractor for correction and re-delivery before resuming the testing or approval process.

2.255 Process For Approval of Written Deliverables

The State Review Period for Written Deliverables will be the number of days set forth in the applicable Statement of Work following delivery of the final version of the Deliverable (and if the Statement of Work does not state the State Review Period, it is by default five Business Days for Written Deliverables of 100 pages or less and 10 Business Days for Written Deliverables of more than 100 pages). The duration of the State Review Periods will be doubled if the State has not had an opportunity to review an interim draft of the Written Deliverable before its submission to the State. The State agrees to notify Contractor in writing by the end of the State Review Period either stating that the Deliverable is approved in the form delivered by Contractor or describing any deficiencies that must be corrected before approval of the Deliverable (or at the State's election, after approval of the Deliverable). If the State notifies the Contractor about deficiencies, the Contractor will correct the described deficiencies and within 30 Business Days resubmit the Deliverable in a form that shows all revisions made to the original version delivered to the State. Contractor's correction efforts will be made at no additional charge. Upon receipt of a corrected Deliverable from Contractor, the State will have a reasonable additional period of time, not to exceed the length of the original State Review Period, to review the corrected Deliverable to confirm that the identified deficiencies have been corrected.

2.256 Process for Approval of Services

The State Review Period for approval of Services is governed by the applicable Statement of Work (and if the Statement of Work does not state the State Review Period, it is by default 30 Business Days for Services). The State agrees to notify the Contractor in writing by the end of the State Review Period either stating that the Service is approved in the form delivered by the Contractor or describing any deficiencies that must be corrected before approval of the Services (or at the State's election, after approval of the Service). If the State delivers to the Contractor a notice of deficiencies, the Contractor



will correct the described deficiencies and within 30 Business Days resubmit the Service in a form that ~~shows all revisions made to the original version delivered to the State. The Contractor's correction efforts~~ will be made at no additional charge. Upon implementation of a corrected Service from Contractor, the State will have a reasonable additional period of time, not to exceed the length of the original State Review Period, to review the corrected Service for conformity and that the identified deficiencies have been corrected.

2.257 Process for Approval of Physical Deliverables

The State Review Period for approval of Physical Deliverables is governed by the applicable Statement of Work (and if the Statement of Work does not state the State Review Period, it is by default 30 continuous Business Days for a Physical Deliverable). The State agrees to notify the Contractor in writing by the end of the State Review Period either stating that the Deliverable is approved in the form delivered by the Contractor or describing any deficiencies that must be corrected before approval of the Deliverable (or at the State's election, after approval of the Deliverable). If the State delivers to the Contractor a notice of deficiencies, the Contractor will correct the described deficiencies and within 30 Business Days resubmit the Deliverable in a form that shows all revisions made to the original version delivered to the State. The Contractor's correction efforts will be made at no additional charge. Upon receipt of a corrected Deliverable from the Contractor, the State will have a reasonable additional period of time, not to exceed the length of the original State Review Period, to review the corrected Deliverable to confirm that the identified deficiencies have been corrected.

2.258 Final Acceptance

Unless otherwise stated in the Article 1, Statement of Work or Purchase Order, "Final Acceptance" of each Deliverable must occur when each Deliverable/Service has been approved by the State following the State Review Periods identified in **Sections 2.251-2.257**. Payment will be made for Deliverables installed and accepted. Upon acceptance of a Service, the State will pay for all Services provided during the State Review Period that conformed to the acceptance criteria.

2.260 Ownership

2.261 Ownership of Work Product by State

The State owns all Deliverables as they are works made for hire by the Contractor for the State. The State owns all United States and international copyrights, trademarks, patents or other proprietary rights in the Deliverables.

2.262 Vesting of Rights

With the sole exception of any preexisting licensed works identified in the SOW, the Contractor assigns, and upon creation of each Deliverable automatically assigns, to the State, ownership of all United States and international copyrights, trademarks, patents, or other proprietary rights in each and every Deliverable, whether or not registered by the Contractor, insofar as any the Deliverable, by operation of law, may not be considered work made for hire by the Contractor for the State. From time to time upon the State's request, the Contractor must confirm the assignment by execution and delivery of the assignments, confirmations of assignment, or other written instruments as the State may request. The State may obtain and hold in its own name all copyright, trademark, and patent registrations and other evidence of rights that may be available for Deliverables.

2.263 Rights in Data

(a) The State is the owner of all data made available by the State to the Contractor or its agents, Subcontractors or representatives under the Contract. The Contractor will not use the State's data for any



purpose other than providing the Services, nor will any part of the State's data be disclosed, sold, assigned, leased or otherwise disposed of to the general public or to specific third parties or commercially exploited by or on behalf of the Contractor. No employees of the Contractor, other than those on a strictly need-to-know basis, have access to the State's data. Contractor will not possess or assert any lien or other right against the State's data. Without limiting the generality of this Section, the Contractor must only use personally identifiable information as strictly necessary to provide the Services and must disclose the information only to its employees who have a strict need-to-know the information. The

Contractor must comply at all times with all laws and regulations applicable to the personally identifiable information.

(b) The State is the owner of all State-specific data under the Contract. The State may use the data provided by the Contractor for any purpose. The State will not possess or assert any lien or other right against the Contractor's data. Without limiting the generality of this Section, the State may use personally identifiable information only as strictly necessary to utilize the Services and must disclose the information only to its employees who have a strict need to know the information, except as provided by law. The State must comply at all times with all laws and regulations applicable to the personally identifiable information. Other material developed and provided to the State remains the State's sole and exclusive property.

2.264 Ownership of Materials

The State and the Contractor will continue to own their respective proprietary technologies developed before entering into the Contract. Any hardware bought through the Contractor by the State, and paid for by the State, will be owned by the State. Any software licensed through the Contractor and sold to the State, will be licensed directly to the State.

2.270 State Standards

2.271 Existing Technology Standards

The Contractor will adhere to all existing standards as described within the comprehensive listing of the State's existing technology standards at <http://www.michigan.gov/dit>.

2.272 Acceptable Use Policy

To the extent that Contractor has access to the State computer system, Contractor must comply with the State's Acceptable Use Policy, see <http://www.michigan.gov/ditservice>. All Contractor employees must be required, in writing, to agree to the State's Acceptable Use Policy before accessing the State system. The State reserves the right to terminate Contractor's access to the State system if a violation occurs.

2.273 Systems Changes

Contractor is not responsible for and not authorized to make changes to any State systems without written authorization from the Project Manager. Any changes Contractor makes to State systems with the State's approval must be done according to applicable State procedures, including security, access and configuration management procedures.

2.280 Extended Purchasing- Deleted, Not Applicable



2.281 MiDEAL- Deleted, Not Applicable

2.282 State Employee Purchases – Deleted, Not Applicable

2.290 Environmental Provision

2.291 Environmental Provision

Energy Efficiency Purchasing Policy – The State seeks wherever possible to purchase energy efficient products. This includes giving preference to U.S. Environmental Protection Agency (EPA) certified ‘Energy Star’ products for any category of products for which EPA has established Energy Star certification. For other purchases, the State may include energy efficiency as one of the priority factors to consider when choosing among comparable products.

Environmental Purchasing Policy – The State of Michigan is committed to encouraging the use of products and services that impact the environment less than competing products. The State is accomplishing this by including environmental considerations in purchasing decisions, while remaining fiscally responsible, to promote practices that improve worker health, conserve natural resources, and prevent pollution.

Environmental components that are to be considered include: recycled content and recyclability; energy efficiency; and the presence of undesirable materials in the products, especially those toxic chemicals which are persistent and bioaccumulative. The Contractor should be able to supply products containing recycled and environmentally preferable materials that meet performance requirements and is encouraged to offer such products throughout the duration of this Contract. Information on any relevant third party certification (such as Green Seal, Energy Star, etc.) should also be provided.

Hazardous Materials:

For the purposes of this Section, “Hazardous Materials” is a generic term used to describe asbestos, ACBMs, PCBs, petroleum products, construction materials including paint thinners, solvents, gasoline, oil, and any other material the manufacture, use, treatment, storage, transportation or disposal of which is regulated by the federal, state or local laws governing the protection of the public health, natural resources or the environment. This includes, but is not limited to, materials the as batteries and circuit packs, and other materials that are regulated as (1) “Hazardous Materials” under the Hazardous Materials Transportation Act, (2) “chemical hazards” under the Occupational Safety and Health Administration standards, (3) “chemical substances or mixtures” under the Toxic Substances Control Act, (4) “pesticides” under the Federal Insecticide Fungicide and Rodenticide Act, and (5) “hazardous wastes” as defined or listed under the Resource Conservation and Recovery Act.

(a) The Contractor must use, handle, store, dispose of, process, transport and transfer any material considered a Hazardous Material according to all federal, State and local laws. The State must provide a safe and suitable environment for performance of Contractor’s Work. Before the commencement of Work, the State must advise the Contractor of the presence at the work site of any Hazardous Material to the extent that the State is aware of the Hazardous Material. If the Contractor encounters material reasonably believed to be a Hazardous Material and which may present a substantial danger, the Contractor must immediately stop all affected Work, notify the State in writing about the conditions encountered, and take appropriate health and safety precautions.

(b) Upon receipt of a written notice, the State will investigate the conditions. If (a) the material is a Hazardous Material that may present a substantial danger, and (b) the Hazardous Material was not brought to the site by the Contractor, or does not result in whole or in part from any violation by the Contractor of any laws covering the use, handling, storage, disposal of, processing, transport and transfer



of Hazardous Materials, the State must order a suspension of Work in writing. The State must proceed to ~~have the Hazardous Material removed or rendered harmless. In the alternative, the State must terminate~~ the affected Work for the State's convenience.

(c) Once the Hazardous Material has been removed or rendered harmless by the State, the Contractor must resume Work as directed in writing by the State. Any determination by the Michigan Department of Community Health or the Michigan Department of Environmental Quality that the Hazardous Material has either been removed or rendered harmless is binding upon the State and Contractor for the purposes of resuming the Work. If any incident with Hazardous Material results in delay not reasonable anticipatable under the circumstances and which is attributable to the State, the applicable SLAs for the affected Work will not be counted in time as mutually agreed by the parties.

(d) If the Hazardous Material was brought to the site by the Contractor, or results in whole or in part from any violation by the Contractor of any laws covering the use, handling, storage, disposal of, processing, transport and transfer of Hazardous Material, or from any other act or omission within the control of the Contractor, the Contractor must bear its proportionate share of the delay and costs involved in cleaning up the site and removing and rendering harmless the Hazardous Material according to Applicable Laws to the condition approved by applicable regulatory agency(ies).

Michigan has a Consumer Products Rule pertaining to labeling of certain products containing volatile organic compounds. For specific details visit http://www.michigan.gov/deq/0,1607,7-135-3310_4108-173523--,00.html

Refrigeration and Air Conditioning:

The Contractor shall comply with the applicable requirements of Sections 608 and 609 of the Clean Air Act (42 U.S.C. 7671g and 7671h) as each or both apply to this contract.

Environmental Performance:

Waste Reduction Program - Contractor shall establish a program to promote cost-effective waste reduction in all operations and facilities covered by this contract. The Contractor's programs shall comply with applicable Federal, State, and local requirements, specifically including Section 6002 of the Resource Conservation and Recovery Act (42 U.S.C. 6962, et seq.).

2.300 Other Provisions

2.301 Forced Labor, Convict Labor, Forced or Indentured Child Labor, or Indentured Servitude Made Materials

Equipment, materials, or supplies, that will be furnished to the State under the Contract must not be produced in whole or in part by forced labor, convict labor, forced or indentured child labor, or indentured servitude.

“Forced or indentured child labor” means all work or service: exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or performed by any person under the age of 18 under a contract the enforcement of which can be accomplished by process or penalties.



Attachment I – Special Working Rules
DEPARTMENT OF CORRECTIONS - INSIDE PRISON

The Work comprising this Project will be performed at a State Correctional Facility and the Contractor must comply with the following special working rules, adopted December 1, 1975, as amended by the Michigan Department of Corrections.

1. Contractor must submit a list of names, driver's license numbers, birth dates, and additional information when requested, on all persons to be employed on the Project site. Such list must be submitted directly to the Warden's office or to the Correctional Facility authority for approval before any person's appearance at the site for Work assignments. These employees will be required to watch an approximately 10-minute video.
2. Contractor will be allowed to work within or on Correctional Facility confines from 7:30 a.m. to 5:00 p.m. No Work must be performed on Saturdays or Sundays without written permission from the State Agency. The State Agency may set other time schedules as discussed during the pre-construction meeting. Consideration will be given to using two shifts to minimize the length of time an area is out of service.
3. All employees of the Contractor may be subject to individual body search each time they enter the Correctional Facility. Packages or containers of any kind may be opened for inspection. Lunch boxes are not permitted inside the security perimeter. All employees of the Contractor will be required to have legal picture identification card.
4. All trucks and other mobile equipment may be subject to inspection both on arrival and upon departure from the Correctional Facility. Absolutely no fraternization between inmates and Contractor's employees will be tolerated. Any attempts at same by inmates are to be reported immediately to Correctional officers.
5. No requests for visits with inmates will be granted to Contractor's employees except where such visiting originated prior to award of the Contract.
6. Contractor must follow rules pertaining to foot and vehicle traffic as established by the Correctional Facility. Contractor must observe all off-limit restricted areas beyond which no unauthorized personnel may trespass. The Contractor and their workers may not leave the assigned Work areas.
7. All heavy power tools and machinery such as air hammers, acetylene tanks, etc., must be removed from the inside of the security perimeter, through the assigned gate by 3:30 p.m., which is the closing time for the gate. Such heavy equipment as power shovels, compressors, welding machines, etc., can remain inside but must be immobilized in an acceptable manner. Cutting torches and cutting tools in general must be securely locked where and as directed by the Agency, and checked out as needed. No tools, small pipe, copper or wire must remain on the site overnight unless acceptably locked inside shanties or tool chests.
8. There will be no exchange, loaning or borrowing of tools, equipment or manpower between Correctional Facility personnel and the Contractor.
9. The assigned gate through which materials, equipment and vehicles must be transported will be opened upon request between the hours of 8:00 a.m. to 3:30 p.m., or as determined by agreement with facility operations.
10. Sanitary facilities will be assigned by the Correctional Facility authorities for the use of the Contractor's employees, unless noted otherwise in Section 01500 1.C.
11. Guards may be assigned to the working areas. They may inspect and search areas under construction at any time, including the Contractor's equipment.
12. Areas for employee parking, tool boxes, etc., must be assigned only by Correctional Facility authorities on the site. Remove all firearms, weapons, alcoholic beverages, drugs, medicines or explosives from vehicles before entering Facility property. Lock vehicles when not attended.
13. Accidents - The Correctional Facility infirmary is not available to Contractor's employees.
14. The Warden of this Correctional Facility retains the right to revise these "Special Working Conditions" as required to meet Facility needs.

*****NOTE TO THE PROFESSIONAL:** Contact the State agency with regard to available areas for storage of tools and materials and for the fabrication of components.



DEPARTMENT OF CORRECTIONS - OUTSIDE PRISON

The Work comprising this Project will be performed at a State Correctional Facility and the Contractor must comply with the following special working rules, adopted December 1, 1975, as amended by the Michigan Department of Corrections.

1. Contractor must submit a list of names, driver's license numbers, birth dates, and additional information when requested, on all persons expected to be employed on the Project site. Such list must be submitted directly to the Warden's office or to the Correctional Facility authorities for approval before any person's appearance at the site for Work assignments. These employees will be required to watch and approximately 10-minute video.
2. Contractor will be allowed to work within or on Correctional Facility confines from 7:00 a.m. to 5:00 p.m. No Work must be performed on Saturdays or Sundays without written permission from the State Agency. The State Agency may set other time schedules as discussed during the pre-construction meeting. Consideration will be given to using two shifts to minimize the length of time an area is out of service.
3. All truck and other mobile equipment may be subject to inspection both on arrival and upon departure from the Correctional Facility. Absolutely no fraternization between inmates and Contractor's employees will be tolerated. Any attempts at same by inmates are to be reported immediately to correctional officers.
4. No requests for visits with inmates will be granted to Contractor's employees except where such visiting originated before award of the Contract.
5. Contractor must follow rules pertaining to foot and vehicle traffic strictly in accordance with and as established by the Correctional Facility. Contractor must observe all off-limit restricted areas beyond which no unauthorized personnel may trespass. The Contractor and their workers may not leave the assigned Work areas.
6. Heavy equipment such as bulldozers and power shovels must be locked or be immobilized in an acceptable manner, when not in use. No tools, small pipe, copper or wire will be allowed to remain on the site overnight unless acceptably locked inside shanties or tool chests. There will be no exchange, loaning or borrowing of tools, equipment or manpower between Correctional Facility personnel and the Contractor.
7. Sanitary facilities will be assigned by the Correctional Facility authorities for the use of the Contractor's employees, unless noted in Section 01500 1.C.
8. Prison Guards may be assigned to the working areas. They may inspect and search areas under construction at any time, including the Contractor's equipment.
9. Areas for employee parking, tool boxes, etc., must be assigned only by Correctional Facility authorities on the site. Remove all firearms, weapons, alcoholic beverages, medicines or explosives from vehicles before entering Facility property. Lock vehicles when not attended.
10. Accidents - The Correctional Facility infirmary is not available to Contractor's employees.
11. The Warden of this Correctional Facility retains the right to revise these "Special Working Conditions" as required to meet Facility needs.
12. Cooperation with Owner will be required in establishing the sequencing of the work areas to minimize disruption of Facility operations.



Article 6 – ARRA Terms and Conditions

**SOLICITATION & AWARD TERMS FOR ASSISTANCE AGREEMENTS THAT
INCLUDE FUNDS UNDER THE AMERICAN RECOVERY AND REINVESTMENT ACT
OF 2009, PUBLIC LAW 111-5**

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6.001 Definitions

Definitions:

ARRA means the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5.

6.010 Reporting & Registration Requirements (Section 1512)

These reporting requirements are a material obligation of the Contract. Contractor's failure to comply may be a material basis for termination under Section 2.150, Termination by the State.

On July 1, October 1, January 1, and April 1, Contractor must provide the following information to the State:

- (A) The name of the project or activity;
- (B) A description of the project or activity;
- (C) An evaluation of the completion status of the project or activity;
- (D) An estimate of the number of jobs created and the number of jobs retained by the project or activity; and
- (E) Detailed information on any subcontracts awarded by Contractor to include the data elements required to comply with the Federal Funding Accountability and Transparency Act of 2006 (P.L. 109-282), as prescribed by the Director of OMB as follows:

For all subcontracts that meet any of the following qualifications, Contractor must provide the total number and total monetary amount of subcontracts:

- (1) valued at less than \$25,000;
- (2) awarded to an individual; or
- (3) awarded to an entity other than an individual which had less than \$300,000 in gross income in the previous tax year.

For all other subcontracts, Contractor must provide:

- (1) Subcontractor identifying information:
 - (a) Subcontractor's nine digit Data Universal Numbering System (DUNS) number; or
 - (b) U.S. Central Contractor Registration plus 4 extended DUNS number.
- (2) Award number or other identifying number assigned by Contractor.
- (3) Subcontractor's Legal Name as registered in the U.S. Central Contractor Registry.
- (4) Subcontractor's location, including:
 - (a) Physical location as listed in the Central Contractor Registry; and
 - (b) United States Congressional District (format of MI-002 where the Michigan 2nd Congressional District is the location).
- (5) Subcontractor's entity type (choose one):



-
- (a) State government
 - (b) County government
 - (c) City or Township government
 - (d) Regional organization
 - (e) Independent School District
 - (f) Public/State-controlled institution of higher education
 - (g) Federally recognized Indian/Native American Tribal government
 - (h) Non-Federally recognized Indian/Native American Tribal government
 - (i) Indian/Native American Tribally designated organization
 - (j) Non-profit with 501(c)(3) IRS status (not institution of higher education)
 - (k) Non-profit without 501(c)(3) IRS status (not institution of higher education)
 - (l) Private institution of higher education
 - (m) Individual
 - (n) For-Profit organization (not small business)
 - (o) Small business
 - (p) Hispanic-serving institution
 - (q) Historically Black Colleges and Universities (HBCUs)
 - (r) Tribally Controlled Colleges and Universities (TCCUs)
 - (s) Alaska Native and Native Hawaiian serving institutions
 - (t) Non-domestic (non-US) entity
 - (u) Other
- (6) Cumulative amount of cash disbursed to subcontractor as of reporting period end date.
- (7) Total amount of cash to be disbursed by the end of the subcontract.
- (8) Date that the subcontract was awarded.
- (9) Date that the subcontractor's contract is scheduled to be completed.
- (10) Primary performance location.
- (11) The names and Total Compensation of the 5 most highly compensated officers of the entity if the public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 or section 6104 of the Internal Revenue Code of 1986, and the subcontractor in the preceding Federal fiscal year received:
- (a) 80 percent or more of its annual gross revenues from Federal awards; and
 - (b) \$25,000,000 or more in annual gross revenues from Federal awards.

For the purposes of this provision, "Total Compensation" means the cash and non-cash dollar value earned by the executive during the subcontractor's past fiscal year, including the following:

- (a) Salary and bonus.
- (b) Awards of stock, stock options, stock appreciation rights. Use the dollar value used for financial statement reporting purposes with respect to the fiscal year.



- (c) Earnings for services under non-equity incentive plans. Do not include ~~group life, health, hospitalization, medical reimbursement plans that do not~~ discriminate in favor of executives, and are available generally to all salaried employees.
- (d) Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
- (e) Above-market earnings on deferred compensation which are not qualified.
- (f) Other compensation, including severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000.00.

6.020 Buy American Requirement (Section 1605)

Definitions as used in this section:

- (A) *Designated Country* means:
- (1) a World Trade Organization Government Procurement Agreement country: Aruba, Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom; or
 - (2) a Free Trade Agreement (FTA) country: Australia, Chile, and Singapore.
- (B) *Designated Country Good* is iron, Steel, or a Manufactured Good (other than construction-grade steel, motor vehicles, and coal) that:
- (1) is wholly the growth, product or manufacture of a Designated Country; or
 - (2) in the case of a Manufactured Good that consists in whole or in part of materials from another country, has been substantially transformed in a Designated Country into a new and different Manufactured Good distinct from the materials from which it was transformed.
- (C) *Domestic Good* is iron, Steel, or a Manufactured Good that:
- (1) is wholly the growth, product or manufacture of the United States; or
 - (2) in the case of a Manufactured Good that consists in whole or in part of materials from another country, has been substantially transformed in the United States into a new and different Manufactured Good distinct from the materials from which it was transformed. There is no requirement with regard to the origin of components or subcomponents in Manufactured Goods or products, as long as the manufacture of goods occurs in the United States.
- (D) *Federal Agency* means the department or agency of the federal government that awarded funds to the State of Michigan from the ARRA which finances the project described in this RFP.
- (E) *Foreign Good* is iron, Steel, or a Manufactured Good that is not a Domestic or Designated Country Good.



(F) *Manufactured Good* means a good brought to the construction site for incorporation into the building or work that has been--

- (1) processed into a specific form and shape; or
- (2) combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

(G) *Public Building* and *Public Work* means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

(H) *Steel* means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(I) *United States* means the 50 States, the District of Columbia, and outlying areas.

I. Required use of Domestic Goods

(A) Under ARRA section 1605, only Domestic Goods will be used in the construction, alteration, maintenance, or repair of a Public Building or Public Work, unless an exception applies. This requirement does not apply to the Domestic Goods listed:

None

(B) A Contractor requesting a determination regarding the inapplicability of ARRA section 1605 must submit the request to the Federal Agency with adequate time to allow a determination. A Contractor must provide a copy of this request to the DMB Buyer. The Federal Agency is the sole entity authorized to make determinations regarding the inapplicability of ARRA section 1605.

(C) The Federal Agency may except other iron, Steel, or Manufactured Goods (other than construction-grade steel, motor vehicles, and coal) if it determines that:

- (1) the cost of Domestic Goods would be unreasonable. The cost of Domestic Goods used in the project is unreasonable when the cumulative cost of such material will increase the cost of the overall project by more than 25 percent;
- (2) the iron, Steel, or Manufactured Good (other than construction-grade steel, motor vehicles, and coal) is not produced or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or
- (3) the application of ARRA section 1605 would be inconsistent with the public interest.

(D) Regardless of the status of any determination request, any Contractor that requests to use non-Domestic Goods must include in its determination request:

- (1) a description of the iron, Steel, or Manufactured Goods;



- (2) unit of measure;
- (3) quantity;
- (4) cost;
- (5) time of delivery or availability;
- (6) location of the construction project;
- (7) name and address of the proposed supplier; and
- (8) a detailed justification of the reason for use of non-Domestic Goods.

- (E) If the Contractor proposes the use of non-Domestic Goods, the Contractor must submit an alternate proposal based on the use of equivalent Domestic Goods. If an alternate proposal is submitted, the Contractor must submit a separate cost comparison table similar to the DOMESTIC AND NON-DOMESTIC GOODS COST COMPARISON table.
- (F) A request based on the unreasonable cost of a Domestic Good must include a survey of suppliers and a completed cost comparison table listed below for each item. The Contractor must list the name, address, telephone number, e-mail address, and contact person for each supplier surveyed. The Contractor must also attach a copy of each supplier's response; if the response is oral, the Contractor must attach a summary. The Contractor may include other supporting information.

DOMESTIC AND NON-DOMESTIC GOODS COST COMPARISON

Description of Goods	Unit of measure	Quantity	Cost (dollars)*
Item 1:			
Domestic Goods.....			
non-Domestic Goods.....			
Item 2:			
Domestic Goods.....			
non-Domestic Goods.....			

**Include all delivery costs to the construction site.*

- (G) If the Federal Agency denies an exception requested under ARRA section 1605, the State will pursue the Contractor's proposal based on the use of Domestic Goods.
- (H) Any request under subsection (b) submitted must explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before the contract was awarded. If the Contractor does not submit a satisfactory explanation, the Federal Agency does not need to make a determination.
- (I) If the Federal Agency determines after the contract award that an exception to ARRA section 1605 or the Buy American Act applies, and the agency and the Contractor negotiate adequate consideration, the agency will modify the contract to allow use of the non-Domestic Goods. However, when the basis for the exception is the unreasonable cost of a Domestic Good, adequate consideration must not be less than the differential established in the DOMESTIC AND NON-DOMESTIC GOODS COST COMPARISON table.



- (J) ARRA section 1605 does not apply to equipment or tools which are not incorporated into the building or work
-

6.030 Prevailing Wages

Under ARRA section 1606, wages paid to all laborers and mechanics employed by the Contractor and each subcontractor on projects funded in whole or in part with funds available under ARRA must not be less than prevailing wages on projects of a similar character in the locality, as determined by the United States Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40 of the United States Code. The Secretary of Labor's determination regarding the prevailing wages applicable in Michigan is available at <http://www.gpo.gov/davisbacon/mi.html>. This provision supersedes section 2.204, Wage Rate Requirements.

6.040 Inspection & Audit of Records

In addition to the requirements of Article 2:

- (A) Contractor must permit both the United States Comptroller General or its representative and the United States Inspector General or its representative to:
- (1) examine any records that directly pertain to, or involve transactions relating to, this contract; and
 - (2) interview any officer or employee of the Contractor or any of its subcontractors, regarding the activities funded with funds appropriated or otherwise made available by the ARRA.
- (B) This provision must be included in all subcontracts.
- (C) Failure to comply with subsection (a) or (b) is considered a material breach and may result in the termination of the Contract.

6.050 Whistle Blower Protection for Recipients of Funds

Contractor must post notice of an employee's rights and remedies for whistleblower protections under ARRA section 1553. Contractor must include this section in all subcontracts.

6.060 Funding of Programs

Under 2009 PA 7, Section 209, this Contract is supported with temporary federal funds made available by the ARRA. The programs supported with the temporary federal funds will not be continued with state financed appropriations once the temporary federal funds are expended.

6.070 Fixed Price- Competitively Bid

Contractor must, to the maximum extent possible, award subcontracts as fixed-price contracts through competitive bid procedures.

6.080 Reserved

6.090 Publication



Contractor must identify projects supported by the ARRA by including the appropriate emblems as the State may require

6.100 Reserved

6.110 Non-Discrimination

In addition to the requirements of Article 2, Contractor must comply with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and other civil rights laws applicable to recipients of Federal financial assistance.

6.120 Prohibition on Use of Funds

Funds paid to the Contractor must not be used for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool.

6.130 False Claims Act

Contractor must promptly refer to an appropriate federal inspector general any credible evidence that a principal, employee, agent, contractor, sub-grantee, subcontractor, or other person has submitted a false claim under the False Claims Act, 31 U.S.C. 3729, or has committed a criminal or civil violation of laws pertaining to fraud, conflict of interest, bribery, gratuity, or similar misconduct involving the ARRA.

6.140 Reserved

6.150 Job Opportunity Posting Requirements

Contractor shall post notice of job opportunities funded by this Contract in the Michigan Talent Bank, www.michworks.org/mtb.