

REQUEST FOR PROPOSALS

**ITEM DESCRIPTION: Phase II Lighting LED Upgrades Project at Five Schools
(Mt. Pleasant HS, Feinstein ES at Sackett, Branch Ave, Roger Williams MS and
Nathanael Greene MS)**

DATE AND TIME TO BE OPENED: Thursday, October 26, 2023 at 1:00 pm

PRE-BID CONFERENCE (IF APPLICABLE): None

SUBJECT MATTER EXPERT (NAME): Peter Kazarian, Deputy Director of Facilities at PPSD

SUBJECT MATTER EXPERT (EMAIL): peter.kazarian@ppsd.org

QUESTION DEADLINE: Tuesday, October 10, 2023

Instructions

1. Bidders must submit sealed proposals in an envelope clearly labeled with the Item Description shown above on the outside of the envelope. The proposal envelope and any information relative to the proposal must be addressed to:

**Purchasing Department, Suite 206
ATTN: Rose Lorenzo
797 Westminster Street
Providence, RI 02903**

2. Bidders must include **at least** one original, one copy, and a digital PDF copy on a flash drive.
3. Proposal responses must be in ink or typewritten.
4. Bidders are advised that all materials submitted to Providence Public Schools for consideration in response to this Request for Proposals shall be considered to be public records as defined in [R.I. General Law Section 38-2 et seq.](#), without exception, and may be released for public inspection. All proposals submitted become the property of Providence Public Schools.
5. Bid proposals that are not present in the Providence Public Schools Purchasing Department at the time of opening for whatever cause will be deemed to be late and will not be considered. Postmarks shall not be considered proof of timely submission.
6. Questions regarding this request for proposals must be submitted to the Subject Matter Expert via email by the question deadline listed above. Questions will be answered via addendum to be posted publicly on the Providence Schools website. Bidders are responsible for checking the website for all addenda distributed in response to questions and requests for additional information.

Notice to Vendors General Terms

1. Providence Public Schools reserves the right to award the contract on the basis of the lowest responsible evaluated bid proposal.
2. In determining the lowest responsive evaluated bid proposal, cash discounts based on preferable payment terms will not be considered.
3. No proposal will be accepted if it is made in collusion with any other bidder.
4. Providence Public Schools reserves the right to award to a single vendor, to split the award between multiple vendors and to reject any and all proposals. Unless otherwise specified, Providence Public Schools reserves the right to make the award by item or items or by total as may be in its best interest.
5. As Providence Public Schools is exempt from the payment of Federal Excise Taxes and Rhode Island Sales Tax, prices quoted are not to include these taxes.
6. In case of error in the extension of prices quoted, the unit price will govern. In the event there is a discrepancy between the price written in words and written in figures, the prices written in words shall govern.
7. Awards shall be subject to the General Terms set forth herein, which terms shall be deemed accepted by the Bidder upon submission of the bid proposal, subject to the provisions of this paragraph, and shall be further deemed to be incorporated into the contract upon issuance of the award. Any proposed exceptions, modifications, or deviations from the terms, conditions, and specifications contained herein must be listed and fully explained on a separate sheet attached to the Bidder's detailed conditions and specifications and referred to separately in the Bids. Such proposed exceptions, modifications, or deviations shall be an additional variable for consideration by the Providence Public School District in addition to vendor qualifications, price, quantity, and/or scope of services. In all cases not indicated by Bidders as an exception, modification, or deviation, it is understood that the terms, conditions and specifications of the Providence Public School District shall apply. No exception, modification, or deviation shall be deemed accepted, approved, or otherwise incorporated into the contract unless expressly set forth in the award notice.
8. Proposals must meet the attached specifications. Bids may be submitted on an "equal in quality" basis. Providence Public Schools reserves the right to decide equality and determine whether bids are responsive. Bidders must indicate brand or make offered and submit detailed specifications if other than brand requested.
9. A bidder who is an out of-state corporation shall qualify or register to transact business in this State, in accordance with R.I. General Law [Section 7-1.2-1401](#) et seq. as amended)
10. Delivery dates must be shown in the bid. If no delivery dates are specified, it will be assumed that an immediate delivery from stock will be made.

11. Only one shipping charge will be applied in the event of partial deliveries for blanket or term contracts.
12. For contracts involving construction, alteration and/or repair work, the provisions of State Labor Law concerning payment of prevailing wage rates apply (See R.I. General Law [Section 37-13-1](#) et seq. as amended).
13. All proposals will be disclosed at the opening date and time listed above.
14. Awards will be made within ninety (90) days of the proposal opening. All proposal prices will be considered firm, unless qualified otherwise. Requests for price increases will not be honored.
15. No goods should be delivered and no work should be started without a Purchase Order from Providence Public Schools.
16. Prior to commencing performance under the contract, the successful bidder (the “Contractor”) shall attest to compliance with provisions of R.I. General Law [Section 28-29-1](#), et seq. If exempt from compliance, the Contractor shall submit a sworn Affidavit by a corporate officer to that effect, which shall accompany the signed contract.
17. Prior to commencing performance under the contract, Contractor shall, submit a certificate of insurance, in a form and in an amount satisfactory to Providence Public Schools.
18. The Contractor will not be permitted to: assign or underlet the contract; or assign either legally or equitably any monies or any claim thereto without the previous written consent of the Director of Purchasing.
19. The Contractor shall not be paid in advance.
20. The contract shall be in effect from the date of award through **March 1, 2025** or for such other duration as may be agreed to in writing and signed by the parties, unless terminated by either party at any time, with or without cause.
21. In the event of termination by District or the Contractor prior to completion of the contract, compensation shall be prorated on the basis of hours actually worked, and the Contractor shall only be entitled to receive just and equitable compensation for any satisfactory work completed and expenses incurred up to the date of termination.
22. Failure to deliver within the time quoted or failure to meet specifications may result in default in accordance with the general specifications.
23. The Contractor must conduct a criminal background check, at the Contractor’s expense, of all employees employed under the contract who interact with students, except District employees. The Contractor shall provide a copy of the background check report(s) to the District, upon request.

24. The Contractor is not an employee of District and is not entitled to fringe benefits, pension, workers' compensation, retirement, etc. District shall not deduct Federal income taxes, FICA (Social Security), or any other taxes required to be deducted by an employer, as this is the responsibility of the Contractor.
25. The Contractor understands products produced as a result of the contract are the sole property of the District and may not be used by the Contractor without the express written permission of the District.
26. The Contractor agrees to hold District and the City of Providence harmless from any and all damages incurred by District or the City by reason of the Contractor's negligence or breach of contract, including without limitation, damages of every kind and nature, out-of-pocket costs, and legal expenses.
27. The contract may not be modified or amended in any way except by mutual agreement in writing and signed by each party. Notwithstanding the foregoing, and subject to the provision concerning exceptions, modifications, or deviations set forth in Paragraph 7 hereinabove, the General Terms shall not be modified or amended in any way by subsequent agreement. In the event of a conflict between the General Terms and any subsequent modification or amendment to the contract, the General Terms shall control.
28. The Contractor expressly submits itself to and agrees that all actions arising out of or related to the contract or the relationship between the parties shall occur solely in the venue and jurisdiction of the State of Rhode Island.
29. District agrees and acknowledges that Company and its licensors own all intellectual property rights in and to the Products including, without limitation, all trademarks, trade names, service marks and copyrights in the Products and all underlying software programs and related documentation. District agrees and acknowledges that District and any school shall not acquire any right, title or interest in or to any Company's intellectual property (IP), including, without limitation, software, trademarks, copyrights and other intellectual property of Company and no other rights are granted by Company to the District or any school in Company's IP by implication, estoppel or otherwise. District further acknowledges and agrees that Company shall continue, during the term hereof, to expand and modify its Products, in its sole discretion.
30. Data and Release (Representations and Warranties):
 - a. In connection with Company's provision of the Products to District and to allow for the proper functioning and purpose of the Products, the District agrees to and shall release certain data to the Company and agrees to permit the Company to collect certain data from District's users of the Products (collectively, "**Data**"). Certain of this Data may be subject to the Family Educational Rights and Privacy Act ("**FERPA**") (20 U.S.C. § 1232g; 34 CFR Part 99), in which case it will be known as FERPA Data ("**FERPA Data**"). Certain portions of the Data may be considered Personally Identifiable Information ("**Personally Identifiable Information**"). De-Identified Data ("**De-Identified**

Data”) is data generated from usage of Company Products from which all Personally Identifiable Information has been removed or obscured so that it does not identify an individual student and there is no reasonable basis to believe the remaining information can be used to identify a student. For the purposes of this agreement De-Identified Data will not be considered Personally Identifiable Information and, thus, shall not be deemed FERPA Data, as defined above, or COPPA Data, as defined below. Personally Identifiable Information may be collected from students under the age of 13 during the normal course of such students’ use of the Products and thus may be subject to the Children’s Online Privacy Protection Act, in which case it will be known as COPPA Data (“**COPPA Data**”), but with respect to both COPPA Data and FERPA Data, such Data may only be used for the purpose of facilitating and enhancing the use and functionality of the Products and in connection with Company’s providing the Products to District and its users. Company will access, use, restrict, safeguard and dispose of all FERPA Data and COPPA Data related to this Agreement in accordance with FERPA and COPPA, respectively. Notwithstanding such release or collection, the FERPA Data, COPPA Data, and Personally Identifiable Information remain the property of the District.

- b. Company in providing Products to the Customer may use external service providers as required to facilitate a variety of operations, known as Third Party Service Providers. Outsourced operations may include, but are not limited to: web hosting, assisting with providing customer support, database reporting, analytics, and assisting with marketing or billing. As a result of this relationship, Third Party Service Providers may have access to Personally Identifiable Information. Company Partners are obligated to take appropriate commercially reasonable steps to maintain the confidentiality of all District information they receive in connection with Company Product and are subject to other legal restrictions that prohibit the use of District information for any purpose other than that described below for specific Company purpose. Any data exchanged with Third Party Service Providers will be deleted or transferred, per District request, when no longer needed, or at contract expiration. Company Partners should be submitted when bidding.
- c. Company assures that data is secured and protected in a manner consistent with industry standards at a minimum and has attached documentation reflecting Company’s existing data privacy and security guidelines and/or policies. The guidelines and/or policies will apply to both Personally Identified Information and De-Identified Data. Company’s use of Personally Identifiable Information shall be for the exclusive use of the District and/or third parties identified and approved by the District. Company may use De-Identified Data for the following purposes: to improve the Product, to demonstrate the effectiveness of the Product, and for research or other purposes related to developing and improving the Product. Company’s use of such De-Identified Data may survive termination of this Agreement.
- d. “Personally Identifiable Information” or “**PII**” means information provided to Company in connection with Company’s obligations to provide the Products under the Agreement that (i) could reasonably identify the individual to whom such information pertains, such

as name, address and/or telephone number or (ii) can be used to authenticate that individual, such as passwords, unique identification numbers or answers to security questions or (iii) is protected under Applicable Laws. For the avoidance of doubt, PII does not include aggregate, anonymized data derived from an identified or identifiable individual

- e. District represents and warrants that:
 - i. any such FERPA Data released to Company has been released pursuant to, among other things, a limited exception under FERPA acting for the District as a “**School Official**” with a legitimate educational interest for the purposes of providing the Products; and
 - ii. District has complied fully with FERPA and, among other things, has specified at least annually in a FERPA notification to parents/guardians that it uses outside contractors/consultants as “School Officials” to provide certain institutional services and functions such as those set forth in this Agreement.
- f. Company shall function as a school official of the District and agrees to the following conditions, as required by 20 U.S.C. Section 1232g and 34 C.F.R. Section 99.31:
 - i. Company is performing a service or function for which the District would otherwise use employees;
 - ii. Company is under the direct control of the District with respect to the use and maintenance of education records;
 - iii. Company is subject to the requirements of 34 C.F.R. Section 99.33(a) governing the use and re-disclosure of personally identifiable information from education records; and
 - iv. Company represents that it has the knowledge, skill and resources necessary to provide and maintain a web-based educational product or platform that is sufficiently secure and encrypted to protect confidential information.
- g. Company and District each represent and warrant that any COPPA Data and FERPA Data released and/or shared by Company and/or District for the purposes of this Agreement shall be covered by that party's respective agreement with the other party regarding FERPA Data and COPPA Data and no further agreement shall be needed by the other party for such release or sharing.
- h. Company and District agree that all such FERPA Data is provided on an "as is" basis and neither party shall be liable for any express or implied warranties, including but not limited to implied warranties of merchantability, non-infringement, and fitness for a particular purpose. Further, absent gross negligence or willful misconduct, neither party shall be liable to the other for any damages in whatever form or under any theory of liability for the "as is" data, even if advised of such.

31. Data Transfer Protocol. The District will assign a team representing technical and academic expertise (“District team”) to work with Company to establish the automated data transfer. The

project timeline, services provided by Company, and tasks required of the District Team will be finalized in a Statement of Work provided by Company and agreed upon by the District. Company will need to provide a detailed data definition and layout document that the District team will use to map their data system(s) to Company's data feed specification. At that point, Company will work with the District team to establish scheduled, automatic data transfers between the District student data system(s) and a secure file transfer protocol ("SFTP") site hosted by Company. Company will provide their data validation rules to the District team. Every time new data is published to the SFTP, Company will validate the data, load the successful records into the Company data system, and send an email to the District team notifying them of potential errors.

32. Ownership and Protection of Confidential Information

- a. By virtue of this Agreement and providing District with the Products, the parties may have access to information of the other party that is deemed confidential ("**Confidential Information**"). Confidential Information includes information, ideas, materials or other subject matter of such party, whether disclosed orally, in writing or otherwise, that is provided under circumstances reasonably indicating that it is confidential or proprietary. Confidential Information includes, without limitation, all business plans, technical information or data, product ideas, methodologies, calculation algorithms and analytical routines; and all personnel, customer, contracts and financial information or materials disclosed or otherwise provided by such party ("**Disclosing Party**") to the other party ("**Receiving Party**"). For the purposes of this agreement De-Identified Data will not be considered Confidential Information. Confidential Information does not include that which (a) is already in the Receiving Party's possession at the time of disclosure to the Receiving Party, (b) is or becomes part of public knowledge other than as a result of any action or inaction of the Receiving Party in violation of this Agreement, (c) is obtained by the Receiving Party from an unrelated third party without a duty of confidentiality, or (d) is independently developed by the Receiving Party.

Confidential Information means any and all information of either party disclosed or otherwise made available to or learned by the parties under this Agreement, which is designated as "confidential" or "proprietary" or which, under all of the circumstances, ought reasonably to be treated as confidential, and includes, but is not limited to, school data and, all school student records and personnel records of both parties.

Company, the District, and each school partner will maintain the confidentiality of any and all Personally Identifiable Information exchanged as part of the Agreement. Confidentiality requirements will survive the termination or expiration of this Agreement. To ensure the continued confidentiality and security of student data, Company and school security plans will be followed

- b. Ownership. Confidential Information of either party (and any derivative works thereof or modifications thereto) is and will remain the exclusive property of that party or its licensors, as applicable. Neither party shall possess nor assert any lien or other right against or to Confidential Information of the other party. No Confidential Information of either party or any part thereof, will be sold, assigned, leased, or otherwise disposed of to third

parties by the other party or commercially exploited by or on behalf of Company, its employees or agents.

- c. Method of Transfer. Company will employ industry best practices, both technically and procedurally, to protect the Data from unauthorized physical and electronic access during transfer.
- d. Restrictions on Use. The Receiving Party shall not use Confidential Information of the Disclosing Party for any purpose other than in furtherance of this Agreement, with the understanding that the Company also retains aggregate, de-identified, anonymized information for improvement, research and development purposes. The Receiving Party shall not disclose Confidential Information of the Disclosing Party to any third parties except as otherwise permitted hereunder. The Receiving Party may disclose Confidential Information of the Disclosing Party only to those employees, subcontractors or agents who have a need to know such Confidential Information and who are bound to retain the confidentiality thereof under provisions (including, without limitation, provisions relating to nonuse and nondisclosure) no less restrictive than those required by the Receiving Party for its own Confidential Information. The Receiving Party shall maintain Confidential Information of the Disclosing Party with at least the same degree of care it uses to protect its own proprietary information of a similar nature or sensitivity, but with no less than reasonable care under the circumstances. Each party shall advise the other party in writing of any misappropriation or misuse of Confidential Information of the other party of which the notifying party becomes aware.
- e. Exclusions. Notwithstanding the foregoing, this Agreement shall not prevent a party receiving a judicial order or other legal obligation from disclosing Confidential Information of the other party, provided that the other party is promptly notified and cooperates to allow intervention to contest or minimize the scope of the disclosure (including application for a protective order). Otherwise, neither Company nor any of its personnel may release confidential data or results if such data or results include individual person, District- or state-identifiable data or results, either directly or inferentially, unless agreed by the parties in writing on a case by case basis. Notwithstanding the foregoing, nothing in this Agreement shall limit Company's ability to use De-Identified Data for product development and research purposes as permitted under FERPA.
- f. Destruction of Confidential Information. At no cost to the party that owns the Confidential Information, the other party shall upon (a) written request by the owner at any time, and (b) upon termination or expiration of this Agreement, securely eliminate or return promptly in the format and on the media in use as of the date of the written request, all or any requested portion of Confidential Information that may be in the other party's possession or control.
- g. Breaches and Misuse. A Security Incident is a suspected, attempted, or imminent threat of unauthorized access, use, disclosure, breach, modification, disruption or destruction to or of District Data. In the event of a Security Incident, Company shall investigate the Security Incident, identify the impact of the Security Incident and take commercially reasonable

actions to mitigate the effects of any such Security Incident. If the Security Incident results in a Security Breach, a documented, unsecured disclosure, access, alteration or use of the data, not permitted in this Agreement, which poses a significant risk of financial, reputational or other harm to the affected End User or the District, Company shall, (i) timely provide any notifications to individuals affected by the Security Breach that Company is required to provide, and, (ii) notify District of the Security Breach, subject to applicable confidentiality obligations and to the extent allowed and/or required by Applicable Laws. Except to the extent prohibited by Applicable Laws, Company shall, upon District's written request, provide District with a description of the Security Breach and the type of data that was the subject of the Security Breach.

The parties will each cooperate fully in resolving any actual or suspected acquisition or misuse of Confidential Information.

33. In the event of termination by District or Company prior to completion of the contract, only the segment of fees attributable to non-licensing shall be subject to proration. Compliance with FERPA and COPPA is subject to survival of any provisions in accordance with their specific terms. Company obligations to comply with FERPA requirements will survive the expiration or termination of this contract.

BID FORM 1: BIDDER INFORMATION

Agrees to Bid on: **Phase II Lighting LED Upgrades Project at Five Schools**
Mt. Pleasant High School, Feinstein Elementary at Sackett, Branch Ave, Roger
Williams MS and Nathanael Middle School

DATE AND TIME TO BE OPENED: **October 26, 2023 at 1:00 pm**

Name of Bidder (Firm or Individual): _____

Business Address: _____

Contact Name: _____

Contact Email Address: _____

Contact Phone Number: _____

Delivery Date: _____

Signature of Representation

Title

Providence Public School District

Request for Proposals

RFP Title: Phase II Lighting LED Upgrades Project at Five Schools

2023-2024

Funding Source (Contingent on Funding): RI Energy & Rhode Island Office of Energy
Resources

I. Background & Introduction

The Providence Public School Department is soliciting proposals for LED Lighting Upgrades at Five Schools in Providence.

1. Mt. Pleasant High School
2. Roger Williams Middle School
3. Lillian Feinstein Elementary School at Sackett St
4. Branch Ave School
5. Nathanael Green Middle School

1. Mt. Pleasant High School is located at 434 Mount Pleasant Ave Providence, RI. The building comprises 4 floors and is approximately 343,541 square feet. Proposed work will include replacing existing lighting fixtures and replacing with LED fixtures. Please note that Mt. Pleasant High School is under consideration for a major capital improvement that could impact this portion of the LED bid package. The impact could reduce the size and scope marginally to completely remove the school from the project. This is still to be determined and PPSD recommends that you approach your bid with accuracy such that any reduction of this scope would not create any undue risk to the bidder and PPSD.
2. Roger Williams Middle School is located at 278 Thurbers Ave Providence, RI. The building comprises 3 floors and is approximately 168,898 square feet. Proposed work will include replacing existing lighting fixtures and replacing with LED fixtures.
3. Lillian Feinstein Elementary School at Sackett St is located at 159 Sackett St Providence, RI. The building comprises 4 floors and is approximately 68,400 square feet. Proposed work will include replacing existing lighting fixtures and replacing with LED fixtures.
4. Branch Ave School is located at 425 Branch Ave Providence, RI. The building comprises 3 floors and is approximately 25,060 square feet. Proposed work will include replacing existing lighting fixtures and replacing with LED fixtures.
5. Nathanael Green Middle School is located at 721 Chalkstone Ave Providence, RI. The building comprises 4 floors and is approximately 188,476 square feet. Proposed work will include replacing existing lighting fixtures and replacing with LED fixtures.

II. Scope of Work & Key Deliverables

PPSD is requesting proposals to provide a turnkey project to:

1. Replace every existing lighting fixture and provide lighting controls as listed in Attachment A- Fixture Schedule and Installation Schedule
2. Provide all necessary supervision, installation personnel, equipment and materials to complete the work in a professional and timely manner as defined in Attachment A – Fixture Schedule and Installation Schedule and Supplemental Conditions later in this bid package.
3. Provide a 3-year warranty for all parts and labor associated with the project.
4. Provide As-Built Documentation and Closeout Procedures as defined in Supplemental Conditions.

Please provide a bid for the project, reflecting incentives totaling \$237,473.30:

- a. \$116,062.80 for Mt. Pleasant High School 434 Mount Pleasant Ave Providence, as referenced in the attached Incentive Pre-Approval Letters.
- b. \$38,815 for Roger Williams Middle School 278 Thurbers Ave Providence, as referenced in the attached Incentive Pre-Approval Letters.
- c. \$38,180 for Lillian Feinstein Elementary School at Sackett St 159 Sackett St Providence, as referenced in the attached Incentive Pre-Approval Letters.
- d. \$9,080 for Branch Ave School 425 Branch Ave Providence, as referenced in the attached Incentive Pre-Approval Letters.
- e. \$35,335.50 Nathanael Green Middle School 721 Chalkstone Ave Providence, as referenced in the attached Incentive Pre-Approval Letters.

The pre-approved incentives are considered a form of payment by the Owner, and the base bid will reflect those incentives reducing the bid amount. Any future changes to the pre-approved incentives would remain a form of payment by PPCSD towards the total cost of the project.

The lighting products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality, and impact on the project economics. However, we are open to accepting alternate products during the designated

"Question and Answer" period defined in the bid solicitation. Please, for more information, read the notes in attachment A.

Attachment A

Fixture Schedules

Installation Schedules

Attachment A - Fixture Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule.

		Performance Criteria				Recommended Fixture Information			
Fixture Type	Quantity	Measure Type	Equipment Description	Maximum Wattage	Minimum Lumens	Fixture Description	Part Number	Cut Sheet Link	Note
A	36	Replace Existing Fixture	LED 1x4 Troffer w/Integrated network sensor	4	1881	LumenFocus 1x4 Two Row LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 14 SL UV FA 940 FIK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_14_LED_v1.1.pdf	Sensors will require commissioning/programming
A1	2	Replace Existing Fixture	LED 1x4 Troffer w/Integrated network sensor	14	1881	LumenFocus 1x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 14 SL UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_14_LED_v1.1.pdf	Sensors will require commissioning/programming
E	156	Replace Existing Fixture	LED 2x2 Troffer w/Integrated network sensor	29	3717	LumenFocus 2x2 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 22 VL UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_22_LED_v1.1.pdf	Sensors will require commissioning/programming
F	223	Replace Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	29	4158	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 LW UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
H	2	Replace Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	41	5758	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 MD UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
J	12	Replace Existing Fixture	LED 2x4 Two Row Troffer w/Integrated network sensor	96	13165	LumenFocus 2x4 Two Row LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL 2R G2 24 MD HO UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/06/FFL_2R_G2_24_HO_LED_v1.1A.pdf	Sensors will require commissioning/programming
K	5	Replace Existing Fixture	LED 2' Wrap w/Integrated network sensor	9	1043	LumenFocus 2ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 2 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2023/03/ECLN_G2_2_LED_v1.2.pdf	Sensors will require commissioning/programming
M	134	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	15	2092	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
N	387	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	30	4047	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
P	203	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	29	4250	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
Q	693	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	58	8094	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
R	13	Replace Existing Lamp	LED 8' Wrap w/Integrated network sensor	85	12314	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 HI UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
S	41	Replace Existing Lamp	LED 8' Wrap w/Integrated network sensor	85	12314	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 VH UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
U	253	Replace Existing Switch	Dimmer Switch			illumra Dimmer Switch	ZBT-S1AWH	https://illumra.com/wp-content/uploads/2016/07/AHD0611D_ZBT-S1AWH_web.pdf	Switches will require commissioning/programming
W	2	Replace Existing Fixture	LED Hi Bay w/ Integrated network Node	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node & OCC/Daylight/Dimming Sensor	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
W1	2	Retrofit Existing Fixture	LED Hi Bay w/ Integrated network Sensor	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
Y	2	Replace Existing Switch	Dimmer Switch			Avi-on Scene Controller AC with 1-4 buttons	2501AC	https://avi-on.com/wp-content/uploads/pdf/data-sheets/Wall-Stations.pdf	Switches will require commissioning/programming
Z	14	Replace Existing Fixture	3' Light Bar	15	1400	Remphos 3' Light Bar	RP-LBI-G1-3F-10W-40K-WC	https://assets.led-llc.com/spec-sheets/RP-LBI-Spec_Sheet.pdf	
AC	255	Replace Switch Plate	Switch Plate			Switch Plate			
Total	2435								

Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

The listed products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality and impact on the project economics. Alternate products which are equal in all aspects

1. Alternate products must be proposed as a written question during the designated "Question and Answer" period as defined in the bid solicitation. A product specification sheet designating catalog number, DLC Product ID, and performance data for each proposed alternate must be included.

2. The listed Recommended Fixtures have been approved for incentives from the utility. Any Alternate product must qualify for incentive and meet or exceed requirements for a comparable incentive amount.

3. In reviewing the supporting data submitted for alternates, the Owner will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Contract Documents. The Owner may reject any proposed alternate product which in its review fails to meet all the characteristics of the recommended product. Alternates must include a "lead-time" from the manufacturer and must be less than or equal to listed products.

4. The use of alternates may require modifications to the project design, the project documents, utility incentive applications etc. If such alternatives are proposed by the Contractor and are approved by the Owner, the

Contractor shall assume all costs required to make necessary revisions and modifications.

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

Item Number	Location Description	Floor	QTY	Existing Conditions		Proposed Measure					Note	Incentive Program	Unit Incentive	Total Incentive	Control Dev	QTY
				Description	QTY	Description	Type	Ceiling Hgt	Mounting Hgt	Ceiling Ty						
	Project Wide			Emergency Generator Circuits		Maintain Existing Emergency Circuits as Required										
	Project Wide			Local On/Off Switching		Maintain Local On/Off Switches										
	Project Wide			Local Ceiling Sensors		Disconnect and Remove Existing Ceiling Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits.					
	Project Wide			Local Wall Sensors		Disconnect and Remove Existing Wall Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits. Install On/Off Switch.					
	Project Wide					Program (Commission) Network Sensors & and switches					Program all fixture mounted integral sensors and dimmer switches.					
1	Main Foyer	G	36	1L 17W LED Cylinder	36	No Change	N/A	N/A	N/A	N/A						
2	Main Foyer	G	36	1x4 2L TLED Troffer	36	FFL G2 14 SL UV FA 940 FIK ZESMC	A	8-16	8-16	Drop/Grid		Custom				
3	Stairway to Basement	All	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
4	Stairway to Basement	All	4	8' 4L TLED Industrial	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
5	Stairway	All	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
6	Stairway	All	2	2x4B 2L TLED Box	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
7	Stairway Storage	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
8	Resource Office	G	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
9	Resource Office	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
10	Check in Office	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
11	Check in Office Nurses Office	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
12	Check in Office Exam Room	G	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
13	Check in Office Exam Room	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
14	Middle Hall	G	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
15	Middle Hall	G	18	1L 17W LED Cylinder	18	No Change	N/A	N/A	N/A	N/A						
16	Middle Hall	G	23	8' 2L TLED Wrap	23	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
17	Middle Hall	G	6	1L 18W LED Pen	6	No Change	N/A	N/A	N/A	N/A						
18	Cases (12)	G	24	18" 1L F15T8 Strip	12	RP-LBI-G1-3F-10W-40K-WC	Z	8-16	8-16	Hard/Open		Custom				
19	Stairway 5 LOCKED GATES	G	16	2' LED Stairway	16	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
20	Ramp to Gym	G	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
21	Ramp to Gym	G	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
22	Ramp to Gym Closets (2)	G	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
23	Ramp to Gym Closets (2)	G	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
24	Weight Room	G	2	2x4T 3L TLED Pris	2	FFL G2 24 MD UV FA 940 SMK ZESMC	H	8-16	8-16	Drop/Grid		Custom				
25	Weight Room	G	2	4' 6L TLED High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	W	8-16	8-16	Hard/Open		Custom			Y	2
26	Weight Room	G	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
27	Weight Room	G	2	4' 6L TLED High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	W1	8-16	8-16	Hard/Open		Custom				
28	Room G-38B	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
29	Room G-38D	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
30	Room G-38A	G	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	1
31	Room G-38	G	6	4' 6L TLED High Bay	6	FFL G2 2R 24 MD HO UV FA 940 SMK ZESMC	J	8-16	8-16	Drop/Grid		Custom			U	2
32	Stairways (2)	All	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
33	Upper Hallway	G	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				
34	Room G-39H	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
35	Room G-39G	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
36	Room G-39F	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
37	Room G-39E	G	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
38	Room G-38I	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
39	Room G-38G	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
40	Room G-38F	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
41	Room G-39B	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1
42	Room G-39D	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

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43	Room G-39A	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	1
44	Room G-39	G	6	4' 6L TLED High Bay	6	FFL G2 2R 24 MD HO UV FA 940 SMK ZESMC	J	8-16	8-16	Drop/Grid	Custom					U	2
45	Back Office	G	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00				
46	Hall @ Room G-6 to Room G-1	G	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
47	Stairway 5 LOCKED DOOR	G	15	2' LED Stairway	15	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
48	Room G-6	G	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
49	Room G-6 Room G-6A	G	2	8' 4L F32T8 Industrial	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00			U	2
50	Room G-6 Room G-6A	G	1	4' 2L F32T8 Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
51	Room G-6 Room G-6B	G	2	8' 4L F32T8 Industrial	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00			U	2
52	Girls Restroom	G	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
53	Room G-27	G	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					U	2
54	Room G-27	G	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
55	Room G-6A	G	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
56	Room G-5	G	2	4' 2L TLED Industrial	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					U	2
57	Room G-5	G	8	8' 4L TLED Industrial	8	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
58	Teachers Lunch Room	G	8	2x4B 4L TLED Box	8	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	1
59	Teachers Lunch Room Serving Area (G-29)	G	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
60	Teachers Lunch Room Serving Area (G29)	G	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00				
61	Stairway 2	All	14	2' LED Stairway	14	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
62	Stairway 2	All	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
63	Room G-3A	G	11	8' 4L TLED Industrial	11	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	1
64	Room G-2	G	6	8' 4L TLED Industrial	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
65	Room G-2	G	3	4' 2L TLED Industrial	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
66	Room G-2A	G	2	4' 2L TLED Industrial	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
67	Room G-1	G	13	8' 4L TLED Wrap	13	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
68	Stairway 1	All	13	2' LED Stairway	13	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
69	Cafeteria	G	13	2x4B 4L TLED Box	13	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
70	Cafeteria	G	41	4x4B 8L TLED Box	41	ECL N G2 8 VH UV FR 940 ZESMC	S	8-16	8-16	Hard/Open	Custom						
71	Kitchen	G	15	4' 2L F32T8 Wrap	15	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$900.00				
72	Utility (2)	G	6	2x4B 4L TLED Box	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
73	Stairway 15	All	7	4' 2L F32T8 Wrap	7	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$420.00				
74	Storage G-36	G	7	4' 2L F32T8 Wrap	7	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$420.00				
75	Hall @ Boys Gym	G	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00				
76	Room 134	G	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					U	2
77	Room 135	G	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
78	Room 135 Restroom	G	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
79	Offices (2) Top of Stairs	G	2	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
80	Hall @ Elevator to Room G14	G	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
81	Elevator	G	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
82	Room G-8	G	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
83	Room G-8	G	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
84	Stairway 3	All	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
85	Room G-8 Office /Storage	G	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
86	Room G-8 Office /Storage	G	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
87	G9	G	3	4' 2L TLED Wrap	3	Remove not Replace	N/A	8-16	8-16	Hard/Open	Custom					U	2
88	G9	G	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
89	Boys	G	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
90	Room G-9A	G	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
91	Room G-9B	G	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
92	Room G-18	G	18	8' 4L TLED Wrap	18	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	3
93	Room G-18	G	2	2x4B 2L TLED Box	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
94	Room G-18 Storage	G	2	2x4B 2L TLED Box	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
95	Stairway 3	All	13	2' LED Stairway	13	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
96	Custodian	G	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
97	Room G-16B	G	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
98	Room G-16A	G	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
99	Restroom	G	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
100	Room G-11	G	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
101	Room G-11 Closet	G	2	8' 4L TLED Industrial	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
102	Room G-11 Closets (3)	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
103	Room G-12	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	1
104	Room G-13	G	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					U	2
105	Room G-13	G	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					U	1
106	Room Behind The Wall	G	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
107	Room Behind The Wall	G	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom						
108	Stairway 4 LOCKED DOOR	All	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
109	Stairway 4 LOCKED DOOR	All	13	2' LED Stairway	13	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
110	Women's Restroom	G	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						

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Mt Pleasant HS

9/18/2023

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111	Room G-14 Hall	G	2	4' 2L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
112	Room G-14 Hall	G	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
113	Classroom	G	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
114	Classroom	G	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
115	Offices	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
116	Small Classroom	G	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
117	Room G-14C	G	1	8' 2L F95T12 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		U	2
118	Room G-14C	G	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
119	Room G-14D	G	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
120	1st Floor Hallway	G	35	8' 4L TLED Wrap	35	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
121	1st Floor Hallway	G	1	2 4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
122	Room 122	G	1	2 8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
123	Men's Restroom	G	1	2 4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
124	Elevator	G	1	1 2' 2L F17 Strip	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
125	Boys Restroom	G	1	4 4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
126	Room 119	G	1	2 8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
127	Room 118	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
128	Room 117	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
129	Room 116B	G	1	3 8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
130	Room 116A	G	1	3 8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
131	Room 115A	G	1	1 4' 2L TLED Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
132	Girls Restroom	G	1	4 4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
133	Room 114A	G	1	2 8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
134	Room 114	G	1	12 8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
135	Room 113	G	1	12 8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
136	Room 112	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
137	Room 111	G	1	12 8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
138	Room 109	G	1	12 8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
139	Room 108	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
140	Room 107	G	1	1 4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
141	Room 107	G	1	21 2x4B 2L TLED Box	21	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
142	Room 107	G	1	2 2x4B 4L TLED Box	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
143	Phone Room	G	1	1 4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
144	Short Hall Left	G	1	2 8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
145	Short Hall Left Room 107D	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
146	Short Hall Left Break Room	G	1	4 2x4B 2L TLED Box	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
147	Short Hall Left Break Room Room 107C	G	1	4 2x4B 2L TLED Box	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
148	Short Hall Left Closets (3)	G	1	1 4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
149	Room 107B	G	1	8 2x4B 2L TLED Box	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
150	Short Hall Right	G	1	1 2x4B 2L TLED Box	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
151	Short Hall Right Vault	G	1	1 4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
152	Short Hall Right Room 107F	G	1	1 No Change	1	No Change	N/A	N/A	N/A	N/A						
153	Room 106	G	1	3 8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
154	Room 106	G	1	2 4' 2L TLED Wrap	2	Remove not Replace	N/A	8-16	8-16	Hard/Open	Custom					
155	Room 106 Room 106A	G	1	4 2x4B 2L TLED Box	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
156	Room 106 Room 106A Closet	G	1	1 Locked	1	Locked	N/A	N/A	N/A	N/A						
157	Room 106 Room 106B	G	1	1 4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	1
158	Room 106 Room 106B	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
159	Room 106 Room 106C	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
160	Room 106 Room 106D	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
161	Room 106 Room 106E	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
162	Room 105	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
163	Room 104A	G	1	2 8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
164	Room 104	G	1	1 8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
165	Room 104	G	1	1 4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
166	Room 104	G	1	1 4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
167	Room 103	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
168	Room 102	G	1	9 8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
169	Room 101	G	1	12 8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

169	Room 101	1	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
170	Boys Gym	1	7	No Change	7	No Change	N/A	N/A	N/A	N/A						
171	Boys Gym Gym Storage	1	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
172	Boys Gym Boys Locker Room	1	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
173	Boys Gym Boys Locker Room	1	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
174	Boys Gym Boys Locker Room	1	33	4' 2L F32T8 Wrap	33	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$1,980.00			
175	Boys Gym Boys Locker Room Storage	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
176	Boys Gym Boys Locker Room Storage	1	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
177	Boys Gym Stairway 14 Office	1	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
178	Boys Gym Stairway 14	All	3	4' 2L F32T8 Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00			
179	Boys Restroom	1	5	4' 2L TLED Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
180	Room 129	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
181	Room 128	1	9	2x2T 2L F32T8/UTF Pris	9	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$720.00	U	2	
182	Room 127B	1	1	2x2T 2L F32T8/UTF Pris	1	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$80.00	U	1	
183	Room 127B Room 127A	1	1	2x2T 2L F32T8/UTF Pris	1	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$80.00	U	1	
184	Room 127	1	5	4' 2L F34T12 Strip	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$300.00	U	2	
185	Room 127 Restroom	1	1	2x2T 2L F32T8/UTF Pris	1	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$80.00			
186	Room 127 Closet	1	1	2x2T 2L F32T8/UTF Pris	1	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$80.00			
187	Room 126	1	5	2x2T 2L F32T8/UTF Pris	5	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$400.00	U	2	
188	Women's Restroom	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
189	Room 124	1	1	4' 2L TLED Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
190	Room 123A	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
191	Room 123	1	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
192	Custodian	3	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
193	Boys Restroom	3	5	4' 2L TLED Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
194	Room 329	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
195	Room 328	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
196	Room 327	3	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
197	Room 327 Back Office	3	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
198	Girls Restroom	3	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
199	Womens Restroom	3	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
200	2nd Floor Hallway	2	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
201	2nd Floor Hallway	2	32	8' 2L TLED Wrap	32	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
202	2nd Floor Hallway	2	6	2x4T 2L TLED Vol	6	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom					
203	Room 222	2	3	4' 2L F32T8 Industrial	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00	U	2	
204	Mens Restroom	2	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
205	Boys Restroom	2	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
206	Room 219	2	3	2x4T 2L TLED Vol	3	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
207	Room 218	2	8	2x4T 2L TLED Vol	8	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
208	Room 217A	2	6	2x4T 2L TLED Vol	6	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
209	Room 217B	2	3	2x4T 2L TLED Vol	3	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
210	Room 216	2	9	2x4T 2L TLED Vol	9	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
211	Room 215A	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
212	Girls Restroom	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
213	Room 214A	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
214	Room 214A Back Office	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
215	Room 214	2	12	2x4T 2L TLED Vol	12	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
216	Room 213	2	12	2x4T 2L TLED Vol	12	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
217	Room 212	2	9	2x4T 2L TLED Vol	9	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
218	Room 211	2	9	2x4T 2L TLED Vol	9	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
219	Room 211A	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
220	Room 210	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
221	Room 209	2	9	2x4T 2L TLED Vol	9	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
222	Room 208	2	9	2x4T 2L TLED Vol	9	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
223	Room 207E	2	4	2x4T 2L TLED Vol	4	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
224	Room 207E Room 207D	2	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00	U	1	
225	Room 207E Room 207F (Labeled 207C)	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
226	Room 207E Room 207C	2	2	2x4T 2L TLED Vol	2	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
227	Room 207E Room 207C Closet	2	1	2x4T 2L TLED Vol	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom					
228	Room 207D	2	20	2x4T 2L TLED Vol	20	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
229	Room 207C Foyer	2	1	2x4T 2L TLED Vol	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
230	Room 207C Foyer Room 207C	2	13	2x4T 2L TLED Vol	13	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
231	Room 207A	2	8	2x4T 2L TLED Vol	8	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
232	Room 207A Room 207B	2	8	2x4T 2L TLED Vol	8	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

233	Room 206	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
234	Room 205	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
235	Room 204A	2	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
236	Room 204	2	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom				U	2
237	Room 204	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
238	Room 204	2	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
239	Room 203	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
240	Room 202	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
241	Room 201	2	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
242	Room 230B	2	1	4' 2L F32T8 Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		U	2
243	Boys Restroom	2	5	4' 2L TLED Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
244	Room 229	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
245	Room 228	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
246	Room 227	2	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
247	Room 227	2	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
248	Girls Restroom	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
249	Womens Restroom	2	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
250	Room 223	2	3	4' 2L F34T12 Strip	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		U	2
251	3rd Floor Hallway	3	1	8' 4LTLED Slot Hard	2	FFL G2 14 SL UV FA 940 SMK ZESMC	A1	8-16	8-16	Drop/Grid	Custom					
252	3rd Floor Hallway	3	34	2x4T 2L TLED Vol	34	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom					
253	3rd Floor Hallway	3	14	8' 2L TLED Wrap	14	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
254	3rd Floor Hallway	3	1	8' 4L TLED Slot	1	Remove not Replace	N/A	8-16	8-16	Hard/Open						
255	3rd Floor Hallway	3	1	4' 2L TLED Slot	1	Remove not Replace	N/A	8-16	8-16	Hard/Open						
256	3rd Floor Hallway	3	6	8' 4L TLED Slot	3	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$240.00			
257	3rd Floor Hallway	3	6	4' 2L TLED Slot	3	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom					
258	3rd Floor Hallway	3	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
259	Cases	3	2	3' 1L F30T12 Strip	2	RP-LBI-G1-3F-10W-40K-WC	Z	8-16	8-16	Hard/Open	Upstream	\$25.00	\$50.00			
260	Room 323	3	10	6' RC 1L 65W INC Can	10	Remove not Replace	N/A	8-16	8-16	Hard/Open					U	2
261	Room 323	3	13	4x4B 8L TLED Box	13	ECL N G2 8 HI UV FR 940 ZESMC	R	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$780.00			
262	Mens Restroom	3	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
263	Boys Restroom	3	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
264	Room 319	3	4	2x4T 2L TLED Vol	4	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
265	Room 318	3	6	8' 4L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
266	Room 318	3	3	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
267	Room 317	3	3	2x4T 2L TLED Vol	3	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
268	Room 316	3	6	12' 6L TLED DID	12	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
269	Room 316	3	6	8' 4L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
270	Girls Restroom	3	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
271	Girls Restroom	3	1	4' 2L TLED Slot	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom					
272	Room 314B	3	2	4' 2L TLED VT	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
273	Room 314	3	5	2x2T 2L F32T8/UTF Pris	5	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Prescriptive	\$80.00	\$400.00		U	2
274	Room 314	3	9	8' 4L TLED DID	9	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
275	Room 313	3	6	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
276	Room 312	3	4	2x4T 2L TLED Vol	4	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
277	Room 311	3	6	12' 6L TLED DID	12	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
278	Room 311	3	6	8' 4L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
279	Room 310	3	3	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
280	Room 309	3	6	8' 4L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
281	Room 309	3	3	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
282	Room 308	3	4	2x4T 2L TLED Vol	4	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	2
283	Room 307	3	5	8' 4L TLED DID	5	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	2
284	Room 307	3	3	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom					
285	Room 307A	3	6	1L 17W LED Track Head	6	Remove not Replace	N/A	8-16	8-16	Hard/Open					U	1
286	Room 307B	3	6	12' 6L TLED DID	12	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	1
287	Room 307H	3	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		U	1
288	Room 307C	3	3	12' 6L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	1
289	Room 307C	3	5	8' 4L TLED DID	6	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	1
290	Room 307D	3	9	8' 4L TLED DID	9	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	1
291	Room 307E	3	5	2x4T 2L TLED Vol	5	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-16	8-16	Drop/Grid	Custom				U	1
292	Room 307E	3	2	4' 2L TLED Wrap	2	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Custom				U	1
293	Room 307G	3	3	2x2T 2L F17T8 Pris	3	FFL G2 22 LW UV FA 940 SMK ZESMC	E	8-16	8-16	Drop/Grid	Upstream	\$75.00	\$225.00		U	1
294	Room 305	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
295	Room 306	3	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	2
296	Room 306	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
297	Room 304A	3	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
298	Room 304	3	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
299	Room 304	3	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
300	Room 304	3	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
301	Room 304 Closet	3	1	60W INC Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solidation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

302	Room 303	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
303	Room 302	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
304	Room 301	3	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
305	Custodian		1	4' 2L F32T8 Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
306	Basement Hallway (Not used by School)	B	16	4' 1L TLED Wrap	16	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
307	Basement Hallway (Not used by School)	B	28	8' 2L TLED Wrap	28	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
308	Basement Hallway (Not used by School)	B	2	2' LED Stairway	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
309	Room B-7	B	24	8' 4L TLED Industrial	24	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
310	Room B-7	B	4	4' 2L F32T8 Industrial	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$240.00			
311	Room B-6B	B	1	4' 2L TLED Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
312	Room B-6B	B	6	8' 4L TLED Industrial	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
313	Room B-6A	B	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
314	Room B-6A	B	3	4' 2L F32T8 Industrial	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00			
315	Generator Room	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
316	Room B-6B Closet	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
317	Room B-6C	B	3	4' 2L F34T12 Strip	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00			
318	Room B-5A	B	2	4' 2L F34T12 Strip	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00			
319	Room B-5	B	6	8' 4L F32T8 Industrial	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00			
320	Room B-5	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
321	Room B-3	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
322	Closet @ Stairway 2	B	1	60W INC Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
323	Room B-2	B	14	4' 2L F34T12 Strip	14	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$840.00			
324	Room B-1	B	8	4' 2L F34T12 Strip	8	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$480.00			
325	Room B-30	B	4	8' 4L TLED Industrial	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
326	Room B-29	B	13	8' 4L F32T8 Wrap	13	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$780.00			
327	Room B-27	B	12	4' 2L F34T12 Strip	12	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$720.00			
328	Room B-26	B	6	4' 2L F34T12 Strip	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00			
329	Room B-25	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
330	Closet Across From Room B-6A	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
331	Room B-23	B	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
332	Room B-23	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
333	Room B-22	B	19	4' 2L F34T12 Strip	19	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$1,140.00			
334	Room B-21	B	14	4' 2L F34T12 Strip	14	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$840.00			
335	Room B-17	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
336	Room B-17	B	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
337	Room B-17	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
338	Room B-16	B	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
339	Room B-16 Restroom	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
340	Room B-16 Room B-17	B	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
341	Room B-16 Room B-17	B	3	8' 4L TLED Industrial	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
342	Room B-16 Room B-17 Closet	B	1	60W INC Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
343	Room B-16 Room B-17 Room B-18	B	2	8' 4L TLED Industrial	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
344	Room B-16 Room B-17 Room B-18 Closet	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
345	Room B-16 Room B-17 Room B-19	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
346	Room B-16 Room B-17 Room B-20	B	9	8' 4L TLED Industrial	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
347	Room B-16 Room B-17 Room B-8	B	2	4' 2L F34T12 Strip	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00			
348	Room B-16 Room B-17 Room B-9	B	1	4' 2L F34T12 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
349	Room B-15	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
350	Room B-14	B	3	4' 2L F34T12 Strip	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00			

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Attachment B - Installation Schedule

Mt Pleasant HS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solidation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

351	Closet Under The Stairway	B	1	60W INC Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00		
352	Room B-13	B	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
353	Room B-13	B	9	8' 4L F32T8 Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00		
354	Room B-13	B	3	4' 2L F32T8 Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
355	Room B-12	B	6	8' 4L F32T8 Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00		
356	Room B-11	B	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
357	Room B-11A	B	6	8' 4L F32T8 Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00		
358	Team Locker Room Hallway (B-57)	B	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
359	Team Locker Room Hallway (B-57)	B	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				
360	Team Locker Room Hallway (B-57)	B	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom				
361	Mens Restroom	B	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
362	Locker Room 2	B	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
363	Locker Room 2	B	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
364	Locker Room 2 Closet	B	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
365	Football Locker Room	B	9	4' 2L TLED Wrap	9	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
366	Football Locker Room Closet	B	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
367	Closets (2)	B	3	4' 1L F32T8 Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom				
368	Closets (2)	B	3	8' 4L TLED Industrial	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
369	Restroom	B	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
370	Large Mat Storage (B-43)	B	5	8' 4L TLED Industrial	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
371	Large Mat Storage (B-43) Storage Rooms(5)	B	3	4' 2L F32T8 Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
372	Large Mat Storage (B-43) Storage Rooms(5)	B	2	8' 4L F32T8 Industrial	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00		
373	Girls Locker Room Hallway (G-58)	B	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				
374	Girls Locker Room Hallway (G-58)	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
375	Wrestling Room	B	12	4' 2L F32T8 Wrap	12	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$720.00		
376	Stairway 13	All	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
377	Stairway 13	All	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				
378	Girls Restroom	B	3	4' 2L F34T12 Strip	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
379	Girls Locker Room	B	22	4' 2L TLED VT	22	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Upstream	\$25.00	\$550.00		
380	Boiler Room	B	11	8' 4L TLED Industrial	11	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				
381	Boiler Room	B	3	8' 4L F32T8 Industrial	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
382	Boiler Room	B	1	4' 2L F32T8 Industrial	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		
383	Boiler Room	B	5	4' 2L TLED Industrial	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				

2017

Attachment A - Fixture Schedule

Roger Williams MS

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule.

		Performance Criteria				Recommended Fixture Information			
Fixture Type	Quantity	Measure Type	Equipment Description	Maximum Wattage	Minimum Lumens	Fixture Description	Part Number	Cut Sheet Link	Note
E	22	Replace Existing Fixture	LED 2x2 Troffer w/Integrated network sensor	29	3,717	LumenFocus 2x2 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 22 LW UV FA 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_22_LED_v1.1.pdf	Sensors will require commissioning/programming
K	13	Replace Existing Fixture	LED 2' Wrap w/Integrated network sensor	9	1,043	LumenFocus 2ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 2 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2023/03/ECLN_G2_2_LED_v1.2.pdf	Sensors will require commissioning/programming
M	146	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	15	2,092	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
N	176	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	30	4,047	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
Q	640	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	58	8,094	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
T	1	Replace Existing Fixture	LED 6" downlight kit	22	822	LumenFocus 22W 6" downlight kit	DLS 6 SEL UV SW 9SEL	https://lumenfocus.com/wp-content/uploads/2023/01/DLS_v2_6_LED_v1.0.pdf	
U	134	Replace Existing Switch	Dimmer Switch			Ilumra Dimmer Switch	ZBT-S1AWH	https://ilumra.com/wp-content/uploads/2016/07/AHD0611D_ZBT-S1AWH_web.pdf	Switches will require commissioning/programming
W	6	Replace Existing Fixture	LED Hi Bay w/ Integrated network Node	81	13,438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node & OCC/Daylight/Dimming Sensor	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
W1	14	Retrofit Existing Fixture	LED Hi Bay w/ Integrated network Sensor	81	13,438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
Y	6	Replace Existing Switch	Wall Station			Avi-on Scene Controller AC with 1-4 buttons	2501AC	https://avi-on.com/wp-content/uploads/pdf/data-sheets/Wall-Stations.pdf	Switches will require commissioning/programming
AA	4	Replace Existing Fixture	4' Light Bar	25	1,462	Remphos 4' Light Bar	RP-LBI-G1-4F-15W-40K-WC	https://assets.led-llc.com/spec-sheets/RP-LBI-Spec_Sheet.pdf	
AC	140	Replace Switch Plate	Switch Plate			Switch Plate			
Total	1302								

Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

The listed products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality and impact on the project economics. Alternate products which are equal in all aspects

1. Alternate products must be proposed as a written question during the designated "Question and Answer " period as defined in the bid solicitation. A product specification sheet designating catalog number, DLC Product ID, and performance data for each proposed alternate must be included.

2. The listed Recommended Fixtures have been approved for incentives from the utility. Any Alternate product must qualify for incentive and meet or exceed requirements for a comparable incentive amount.

3. In reviewing the supporting data submitted for alternates, the Owner will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Contract Documents. The Owner may reject any proposed alternate product which in its review fails to meet all the characteristics of the recommended product. Alternates must include a "lead -time" from the manufacturer and must be less than or equal to listed products.

4. The use of alternates may require modifications to the project design, the project documents, utility incentive applications etc. If such alternatives are proposed by the Contractor and are approved by the Owner, the Contractor shall assume all costs required to make necessary revisions and modifications.

Attachment B - Installation Schedule																
Roger Williams Middle School																
9/18/2023																
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor																
				Existing Conditions		Proposed Measure										
Item Numt	Location Description	Floor	QTY	Description	QTY	Description	Type	Ceiling Hg	Mounting Hg	Ceiling Ty	Note	Incentive Program	Unit Incentive	Total Incentive	Control Device	Qty
	Project Wide			Emergency Generator Circuits		Maintain Existing Emergency Circuits as Required										
	Project Wide			Local ON/Off Switching		Maintain Local On/Off Switches										
	Project Wide			Local Ceiling Sensors		Disconnect and Remove Existing Ceiling Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits.					
	Project Wide			Local Wall Sensors		Disconnect and Remove Existing Wall Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits. Install On/Off Switch.					
	Project Wide					Program (Commission) Network Sensors & and switches					Program all fixture mounted integral sensors and dimmer switches.					
1	Nurse Closet LOCKED	1	1	Locked	1	Locked		8-16	8-16	Hard/Open						
2	Nurse	1	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	1
3	Nurse	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
4	Cases	1	16	LED 8W SI	4	RP-LBI-G1-4F-15W-40K-WC	AA	8-16	8-16	Hard/Open		Custom				
5	Auditorium Back Stage Offices (2) Restroom	1	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
6	Auditorium Back Stage Offices (2) Closet	1	1	1x4 2L F32T8 Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	u	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00		
7	Auditorium Back Stage Offices (2)	1	5	4' 1L TLED Wrap	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
8	Auditorium Back Stage Offices (2)	1	5	4' 2L TLED Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
9	Auditorium Back Stage Offices (2)	1	1	8' 2L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
10	Auditorium Back Stage	1	2	4' 6L TLED High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	W1	25-30	20-25	Open		Custom			Y	2
11	Auditorium Back Stage	1	2	4' 6L TLED High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	W	25-30	20-25	Open		Custom				
12	Auditorium	1	6	PEN A19 LED 12W	6	No Change		8-16	8-16	Hard/Open						
13	Auditorium	1	7	10W LED JJ	7	No Change		8-16	8-16	Hard/Open						
14	Middle Hallway	1	16	4' 2L TLED Wrap	16	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
15	Middle Hallway	1	7	PEN A19 LED 12W	7	No Change		8-16	8-16	Hard/Open						
16	Main Lobby Main Office Principal Office	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom			U	1
17	Main Lobby Main Office Principal Office	1	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom				
18	Main Lobby Main Office	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom			U	2
19	Main Lobby Main Office	1	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
20	Main Lobby	1	6	PEN A19 LED 12W	6	No Change		8-16	8-16	Hard/Open						
21	Stairway 5	1	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00		
22	Stairway 5	1	5	Stairway LED	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open						
23	Stairway 4 Teachers Lounge Closet LOCKED	1	1	Locked	1	Locked		8-16	8-16	Hard/Open						
24	Stairway 4 Teachers Lounge	1	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	1
25	Restroom	1	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				
26	Locker Room Storage LOCKED	1	1	Locked	1	Locked		8-16	8-16	Hard/Open						
27	Locker Room	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
28	Locker Room	1	8	2' 2L F17T8 WRAP	8	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$320.00		
29	Stairway 4 Foyer @ Restroom	1	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom				
30	Stairway 4 Fire Sprinkler Room LOCKED	1	1	Locked	1	Locked		8-16	8-16	Hard/Open						
31	Stairway 4	All	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00		
32	Stairway 4	All	12	Stairway LED	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open						
33	Stairway 2 Room B9	B	15	8' 4L TLED Wrap	15	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	3
34	Stairway 2 Closet LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
35	Stairway 2	All	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$120.00		
36	Stairway 2	All	14	Stairway LED	14	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open						
37	Room 118	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
38	Room 117	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
39	Room 117	1	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom			U	2
40	Room 116	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
41	Room 115	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
42	Room 114	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2
43	Restroom	1	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				

An Equal Opportunity Employer. The Providence School Department does not discriminate on the basis of race, age, sex, religion, sexual orientation, gender identity or expression, national origin, color, disability or veteran status.

Attachment B - Installation Schedule Roger Williams Middle School 9/18/2023														
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor														
44	Office between Principal & Guidance Back Office	1	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
45	Office between Principal & Guidance	1	1	4' 2L TLED Wrap	1	Remove Light & Make Safe		8-16	8-16	Hard/Open				
46	Office between Principal & Guidance	1	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
47	Mens Restroom Closet LOCKED	1	1	Locked	1	Locked		8-16	8-16	Hard/Open				
48	Mens Restroom	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
49	Guidance Offices (4)	1	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
50	Guidance Offices (4)	1	1	4' 2L TLED Wrap	1	Remove Light & Make Safe		8-16	8-16	Hard/Open			U	4
51	Guidance	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom		U	2
52	Guidance	1	5	8' 4L TLED Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
53	Coaches Office	1	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
54	Coaches Office	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
55	Boys Gym	1	6	Trace Lite TLED528A	6	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	W1	25-30	20-25	Open	Custom		Y	2
56	Boys Gym	1	2	Trace Lite TLED528A	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	W	25-30	20-25	Open	Custom			
57	Hallway Stairway 5 to Stairway 2	1	12	4' 2L TLED Wrap	12	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
58	Stairway 6	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
59	Stairway 6	All	8	Stairway LED	8	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open				
60	Stairway 3 Closet LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open				
61	Stairway 3	All	2	8' 2L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
62	Stairway 3	All	12	Stairway LED	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open				
63	Stairway 1 Closet LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open				
64	Stairway 1	1	12	Stairway LED	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open				
65	Stairway 1	1	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive Custom	\$60.00	\$120.00	
66	Smart	1	22	2x2T LED	22	FFL G2 22 LW UV FA 940 ZESMC	E	8-16	8-16	Drop/Grid	Custom			
67	Room 104	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
68	Room 103 Copy Room	1	2	1x4 2L F32T8 Strip	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00	
69	Room 103 Back Hall Restrooms	1	1	LED Drum	1	No Change		8-16	8-16	Hard/Open				
70	Room 103 Back Hall Closets (4)	1	2	LED Drum	2	No Change		8-16	8-16	Hard/Open				
71	Room 103 Back Hall Closets (4)	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom			
72	Room 103 Back Hall	1	3	LED Drum	3	No Change		8-16	8-16	Hard/Open				
73	Room 103	1	10	8' 4L TLED Wrap	10	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
74	Room 102	1	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
75	Room 102	1	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
76	Restroom Closet	1	1	2' 2L F17 Vanity	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00	
77	Restroom	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
78	Library	1	21	8' 4L TLED Wrap	21	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
79	Girls Restroom	1	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
80	Girls Gym	1	6	Trace Lite TLED528A	6	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	W1	25-30	20-25	Open	Custom		Y	2
81	Girls Gym	1	2	Trace Lite TLED528A	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	W	25-30	20-25	Open	Custom			
82	Hall Stairway 6 to Stairway 1	1	12	4' 2L TLED Wrap	12	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
83	Womens Faculty Closet	1	1	2' 2L F17 Vanity	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00	
84	Womens Faculty	1	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
85	Room DR1 Restroom	1	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
86	Room DR1	1	5	4' 1L TLED Wrap	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom			
87	Room DR1	1	5	4' 2L TLED Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
88	Room DR1	1	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
89	Room 219	2	5	8' 4L TLED Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
90	Room 218 Foyer Room 218	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
91	Room 218 Foyer	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
92	Room 218 Foyer	2	1	4' 2L TLED Wrap	1	Remove Light & Make Safe		8-16	8-16	Hard/Open				
93	Room 217	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
94	Room 216	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
95	Room 215	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
96	Room 214	2	9	8' 2L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
97	Room 213	2	9	8' 2L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
98	Room 212	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
99	Room 211	2	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
100	Room 210	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom		U	1
101	Room 210	2	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom			
102	Room 210	2	4	4' 2L TLED Wrap	4	Remove Light & Make Safe		8-16	8-16	Hard/Open				
103	Room 209	2	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
104	Room 208	2	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
105	Room 207	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
106	Room 206	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
107	Room 205	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
108	Room 204	2	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
109	Room 203 Hall Closets (2) LOCKED	2	2	Locked	2	Locked		8-16	8-16	Hard/Open				
110	Room 203 Hall	2	1	4' 2L F34T12 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00	
111	Room 203	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	3
112	Room 202	2	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
113	Room 201	2	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	2
114	Mens Faculty Closet LOCKED	2	1	Locked	1	Locked		8-16	8-16	Hard/Open				
115	Mens Faculty	2	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			
116	Guidance 201A Office 201A	2	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
117	Guidance 201A	2	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom		U	1
118	Girls Restroom	2	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom			

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Attachment B - Installation Schedule

Roger Williams Middle School

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor

119	Closet @ Room 210 LOCKED	2	1	Locked	1	Locked		8-16	8-16	Hard/Open						
120	Closet Closet LOCKED	2	1	Locked	1	Locked		8-16	8-16	Hard/Open						
121	Closet	2	1	Drum 2L 60W INC	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
122	Boys Restroom	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
123	2nd Floor Hall	2	30	4' 1L TLED Wrap	30	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
124	Womens Faculty Closet	3	1	2' 2L F17 Vanity	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
125	Womens Faculty	3	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	1
126	Science Storage	3	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
127	Room 318	3	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
128	Room 317	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
129	Room 316 Closet	3	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
130	Room 316	3	12	8' 4L TLED Wrap	12	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
131	Room 315 Closet	3	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
132	Room 315	3	15	8' 4L TLED Wrap	15	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
133	Room 314	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
134	Room 313	3	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
135	Room 312	3	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
136	Room 312	3	3	4' 2L TLED Wrap	3	Remove Light & Make Safe		8-16	8-16	Hard/Open						
137	Room 311	3	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	3
138	Room 311	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
139	Room 310 Closet	3	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
140	Room 310A	3	1	8' 4L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
141	Room 310	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
142	Room 309	3	8	8' 4L TLED Wrap	8	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
143	Room 308	3	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
144	Room 307	3	15	8' 4L TLED Wrap	15	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
145	Room 305	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
146	Room 304	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
147	Room 303	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
148	Room 302	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
149	Room 301	3	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
150	Mens Faculty Closet	3	1	2' 2L F17 Vanity	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00			
151	Mens Faculty	3	2	4' 2L TLED Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
152	Girls Restroom	3	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
153	Fire Alarm Equipment	3	1	8' 2L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
154	Boys Restroom	3	6	4' 2L TLED Wrap	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
155	Book Storage	3	1	8' 2L TLED Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
156	Book Storage	3	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
157	3rd Floor Hall	3	30	4' 1L TLED Wrap	30	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
158	Storage Room @ Cafe LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
159	Stock Room	B	20	8' 4L TLED Wrap	20	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
160	Room B8	B	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
161	Room B6 Annex	B	2	8' 2L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
162	Room B6	B	18	8' 4L TLED Wrap	18	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
163	Room B5	B	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
164	Room B4	B	15	8' 4L TLED Wrap	15	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
165	Room B3	B	16	8' 4L TLED Wrap	16	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	3
166	Room B2 Closet	B	1	RC 1L INC 60W	1	DLS 6 SEL UV SW 9SEL	T	8-16	8-16	Hard/Open						
167	Room B2	B	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
168	Room B2	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
169	Room B1A Restroom	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
170	Room B1A	B	2	8' 4L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	1
171	Room B1	B	9	8' 4L TLED Wrap	9	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
172	Math Department Storage LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
173	Locker Room Showers	B	14	4' 2L TLED Wrap	14	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
174	Locker Room	B	5	4' 1L TLED Wrap	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
175	Girls Restroom	B	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
176	Custodian Office	B	6	8' 4L TLED Wrap	6	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
177	Closet LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
178	Cafe Room B11	B	4	8' 2L F60T12 Strip	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$240.00	U	2	
179	Cafe Rom B10	B	4	8' 2L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom				U	2
180	Cafe Kitchen LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
181	Mechanical Room	B	5	8' 4L F32T8 Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$300.00			
182	Boiler Room Meter Socket Room	B	4	8' 4L F32T8 Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$240.00			
183	Boiler Room Restroom	B	1	8' 2L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
184	Boiler Room	B	17	8' 4L F32T8 Wrap	17	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$1,020.00			
185	Cafe Hall to Boiler Room	B	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
186	Cafe Dish Room Office LOCKED	B	1	Locked	1	Locked		8-16	8-16	Hard/Open						
187	Cafe Dish Room Closet	B	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
188	Cafe Dish Room	B	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
189	Cafe Dish Room	B	5	8' 2L TLED Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
190	Cafe Dish Room	B	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
191	Cafe	B	8	4' 2L TLED Wrap	8	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom				U	4
192	Cafe	B	29	8' 4L TLED Wrap	29	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
193	Cafe	B	5	8' 2L TLED Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
194	Basement Hall	B	15	4' 2L TLED Wrap	15	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					

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Attachment A - Fixture Schedule
Lillian Feinstein Elementary School at Sackett St
9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule.

Fixture Type	Quantity	Performance Criteria				Recommended Fixture Information			
		Measure Type	Equipment Description	Maximum Wattage	Minimum Lumens	Fixture Description	Part Number	Cut Sheet Link	Note
C	1	Replace Existing Fixture	LED 2x2 Troffer w/Integrated network sensor	14	1818	LumenFocus 2x2 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 22 SL UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_22_LED_v1.1.pdf	Sensors will require commissioning/programming
D	1	Replace Existing Fixture	LED 2x2 Troffer w/Integrated network sensor	22	2756	LumenFocus 2x2 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 22 VL UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_22_LED_v1.1.pdf	Sensors will require commissioning/programming
F	31	Replace Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	29	4158	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 LW UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
G	179	Retrofit Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	34	4797	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 ML UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
H	0	Replace Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	41	5758	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 MD UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
K	26	Replace Existing Fixture	LED 2' Wrap w/Integrated network sensor	9	1043	LumenFocus 2ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 2 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2023/03/ECLN_G2_2_LED_v1.2.pdf	Sensors will require commissioning/programming
M	66	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	15	2092	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
N	40	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	30	4047	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
P	211	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	29	4250	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
Q	24	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	58	8094	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
U	67	Replace Existing Switch	Dimmer Switch			Ilumra Dimmer Switch	ZBT-S1AWH	https://ilumra.com/wp-content/uploads/2016/07/AHD0611D_ZBT-S1AWH_web.pdf	Switches will require commissioning/programming
W	18	Replace Existing Fixture	LED Hi Bay w/ Integrated network Node	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node & OCC/Daylight/Dimming Sensor	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
W1	6	Replace Existing Fixture	LED Hi Bay w/ Integrated network Sensor	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
Y	6	Replace Existing Switch	Dimming Wall Station			Avion Scene Controller	2401AC	https://avi-on.com/wp-content/uploads/pdf/data-sheets/2401-Scene-Controller.pdf	
AC	73	Replace Existing Switch Plate	Switch Plate			Switch Plate			
	749								

Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

The listed products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality and impact on the project economics. Alternate products which are equal in all aspects to 1. Alternate products must be proposed as a written question during the designated "Question and Answer" period as defined in the bid solicitation. A product specification sheet designating catalog number, DLC Product ID, and performance data for each proposed alternate must be included.

2. The listed Recommended Fixtures have been approved for incentives from the utility. Any Alternate product must qualify for incentive and meet or exceed requirements for a comparable incentive amount.

3. In reviewing the supporting data submitted for alternates, the Owner will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even though all the characteristics may not have been particularly mentioned in the Contract Documents. The Owner may reject any proposed alternate product which in its review fails to meet all the characteristics of the recommended product.

Alternates must include a "lead -time" from the manufacturer and must be less than or equal to listed products.

4. The use of alternates may require modifications to the project design, the project documents, utility incentive applications etc. If such alternatives are proposed by the Contractor and are approved by the Owner, **the Contractor shall assume all costs required to make necessary revisions and modifications.**

Attachment B - Installation Schedule																
Lillian Feinstein Elementary School at Sackett St																
9/18/2023																
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6																

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Attachment B - Installation Schedule														
Lillian Feinstein Elementary School at Sackett St														
9/18/2023														
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6														

39	Stairway 1	All	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$50.00	
40	Stairway 1	All	5	4' 1L F32T8 Wrap	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$125.00	
41	Stairway 2	All	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	
42	Stairway 2	All	6	4' 1L F32T8 Wrap	6	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$150.00	
43	Stairway 3	All	3	4' 1L F32T8 Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$75.00	
44	Stairway 4	All	3	4' 1L F32T8 Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$75.00	
45	Stairway 5	All	2	2x4T 2L F32T8 Pris	2	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$160.00	
46	Stairway 5	All	5	4' 2L F32T8 Wrap	5	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$300.00	
47	Stairway 5 Boys Restroom	3	1	2x4T 3L F32T8 Pris	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$80.00	\$80.00	
48	Stairway 5 Boys Restroom	2	1	2x4T 2L F32T8 Pris	1	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00	
49	Stairway 5 Electrical Room	B	1	4' 2L F32T8 Wrap	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00	
50	Stairway 5 Elevator Foyer	B	3	2x4T 2L F32T8 Pris	3	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$240.00	
51	Stairway 5 Middle Storage	2	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	
52	Stairway 5 Storage	B	1	2x4T 2L F32T8 Pris	1	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00	
53	Stairway 6	All	3	LED Stairway	3	No Change	N/A	8-12	8-12	Hard/Open				
54	Stairway 6	All	2	2x4T 2L F32T8 Pris	2	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$160.00	
55	"The Quad"	1	3	4' 2L F32T8 Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$180.00	U 2
56	"The Quad"	1	5	8' 4L F32T8 Wrap	5	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$300.00	Y 2
57	"The Quad"	1	2	4' 4L F54T5/HO High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	W	8-12	8-12	Hard/Open	Prescriptive	\$150.00	\$300.00	
58	"The Quad"	1	2	4' 4L F54T5/HO High Bay	2	ES40P-A1-17K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	W1	8-12	8-12	Hard/Open	Prescriptive	\$150.00	\$300.00	
59	"The Quad"	1	1	60W Keyless	1	FFL G2 22 SL UV FA 940 SMK ZESMC	C	8-12	8-12	Drop/Grid	Prescriptive	\$60.00	\$60.00	
60	"The Quad" Closet	1	1	8' 4L F34T12 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	
61	"The Quad" Stage	1	6	2x4T 4L F32T8 Pris	6	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$80.00	\$480.00	
62	"The Quad" Stage Offices (2)	1	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	
63	"The Quad" Stage Offices (2)	1	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	
64	"The Quad" Stage Offices (2)	1	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00	
65	2nd Floor Halls	2	1	60W Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$40.00	
66	2nd Floor Halls	2	14	8' 2L F32T8 Wrap	14	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$840.00	
67	2nd Floor Halls	2	4	2x4T 2L F32T8 Pris	4	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$320.00	
68	2nd Floor Halls Closet	2	1	No Light	1	None	N/A	N/A	N/A	N/A				
69	2nd Floor Halls Custodial Room	2	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	
70	Library	2	24	2x4T 2L F32T8 Pris	24	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$1,920.00	U 2
71	Library Closet	2	1	Drum 2L 13W CFL	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open				
72	Room 201	2	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	U 2
73	Room 201	2	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	
74	Room 201 Closet	2	2	60W Keyless	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$80.00	
75	Room 202	2	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	U 2
76	Room 202	2	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	
77	Room 203	2	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	U 2
78	Room 203	2	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	
79	Room 203 Closet	2	2	60W Keyless	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$80.00	
80	Room 204	2	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	U 2
81	Room 204	2	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	
82	Room 205	2	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	U 2
83	Room 205	2	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	
84	Room 205 Closet	2	2	60W Keyless	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$80.00	
85	Room 207	2	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	U 1
86	Room 207 Closet	2	1	No Light	1	None	N/A	N/A	N/A	N/A				
87	Room 208	2	1	8' 2L F59T8 Strip	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	U 1
88	Room 33 (206)	2	9	2x4T 2L F32T8 Pris	9	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$720.00	
89	3rd Floor Halls	3	4	2x4T 2L F32T8 Pris	4	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$320.00	
90	3rd Floor Halls	3	18	8' 2L F32T8 Wrap	18	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$1,080.00	
91	3rd Floor Halls Closet	3	1	No Light	1	None	N/A	N/A	N/A	N/A				

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Attachment B - Installation Schedule																
Lillian Feinstein Elementary School at Sackett St																
9/18/2023																
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6B																
92	Room 300	3	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00	U	1	
93	Room 301	3	6	8' 2L F32T8 Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$360.00	U	2	
94	Room 301	3	3	4' 1L F32T8 Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$75.00			
95	Room 301 Closet	3	2	60W Keyless	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$80.00			
96	Room 302	3	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	U	2	
97	Room 302	3	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00			
98	Room 302 Closet	3	2	60W Keyless	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$80.00			
99	Room 303	3	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00	U	2	
100	Room 303	3	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00			
101	Room 304A	3	6	8' 2L F32T8 Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$360.00			
102	Room 305	3	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00	U	2	
103	Room 305	3	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00			
104	Room 305 Closet	3	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
105	Room 306	3	9	2x4T 2L F32T8 Pris	9	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$720.00	U	1	
106	Room 307	3	2	4' 1L F32T8 Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$50.00	U	2	
107	Room 307 Restroom	3	1	60W Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$40.00			
108	Basement Halls	B	8	4' 1L F32T8 Wrap	8	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$200.00			
109	Basement Halls	B	2	8' 2L F32T8 Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
110	Basement Halls	B	19	2x4T 2L F32T8 Pris	19	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$1,520.00			
111	Boiler Room	B	1	4' 1L F32T8 Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$25.00			
112	Boiler Room	B	3	8' 4L F32T8 Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$180.00			
113	Basement Halls Boys Restroom	B	4	8' 2L F32T8 Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$240.00			
114	Basement Halls Boys Restroom	B	3	2x4T 2L F32T8 Pris	3	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$240.00			
115	Boys Restroom Closet	B	1	60W Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$40.00			
116	Cafe	B	33	8' 2L F32T8 Wrap	33	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$1,980.00	U	6	
117	Cafe	B	2	4' 1L F32T8 Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$50.00			
118	Cafe	B	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
119	Computer Room	B	1	4' 2L F32T8 Wrap	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00			
120	Basement Halls Custodian	B	1	4' 2L F32T8 Wrap	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00			
121	Electrical Room	B	1	4' 2L F32T8 Wrap	1	FFL G2 22 VL UV FA 940 SMK ZESMC	D	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00			
122	Elevator Machine Room	B	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
123	Girls Restroom	B	3	2x4T 2L F32T8 Pris	3	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$240.00			
124	Girls Restroom	B	3	8' 2L F32T8 Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$180.00			
125	Mechanical Room	B	4	4' 2L F32T8 Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$240.00			
126	Nurse	B	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00			
127	Nurse Closet	B	1	60W Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$40.00			
128	Nurse Large Office	B	2	4' 1L F32T8 Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$50.00	U	2	
129	Nurse Office	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00			
130	Nurse Restroom	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00			
131	Room B1	B	4	4' 1L F32T8 Wrap	4	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$100.00	U	2	
132	Room B1	B	8	8' 2L F32T8 Wrap	8	ECL N G2 8 LW UV FR 940 ZESMC	P	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$480.00			
133	Room B-2	B	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Upstream	\$60.00	\$120.00	U	2	
134	Room B-2	B	4	4' 1L F32T8 Wrap	4	ECL N G2 4 LW UV FR 940 ZESMC	M	8-12	8-12	Hard/Open	Upstream	\$25.00	\$100.00			
135	Room B25	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
136	Room B3	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
137	Room B3 Closet	B	1	No Light	1	None	N/A	N/A	N/A	N/A						
138	Room B4	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
139	Room B4 Closet	B	1	No Light	1	None	N/A	N/A	N/A	N/A						
140	Room B5	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
141	Room B5 Closet	B	1	No Light	1	None	N/A	N/A	N/A	N/A						
142	Room B6	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
143	Room B6 Closet	B	1	No Light	1	None	N/A	N/A	N/A	N/A						
144	Room B7	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
145	Room B7 Closet	B	1	No Light	1	None	N/A	N/A	N/A	N/A						
146	Room B8	B	12	2x4T 2L F32T8 Pris	12	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$960.00	U	2	
147	Basement Halls Telephone Room	B	1	4' 2L F32T8 Wrap	1	FFL G2 24 LW UV FA 940 SMK ZESMC	F	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$80.00			
148	Gym Storage	B	2	2x4T 2L F32T8 Pris	2	FFL G2 24 ML UV FA 940 SMK ZESMC	G	8-12	8-12	Drop/Grid	Prescriptive	\$80.00	\$160.00			
149	Principal Office	B	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
150	Principal Office Vice Principal	B	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
151	Principal Office Vice Principal Restroom	B	1	60W Keyless	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-12	8-12	Hard/Open	Prescriptive	\$40.00	\$40.00			
152	"The Quad" Stage Offices (2) Closet	B	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
153	2nd Floor Halls Closet Across from 204	B	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$60.00			
154	Cafe Closet	B	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-12	8-12	Hard/Open	Prescriptive	\$60.00	\$120.00			
				639												

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Attachment A - Fixture Schedule

Nathanael Greene

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule.

		Performance Criteria				Recommended Fixture Information			
Fixture Type	Quantity	Measure Type	Equipment Description	Maximum Wattage	Minimum Lumens	Fixture Description	Part Number	Cut Sheet Link	Note
E	1	Replace Existing Fixture	LED 2x2 Troffer w/Integrated network sensor	29	3717	LumenFocus 2x2 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 22 LW UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/05/FFL_G2_12_LED_v1.0.pdf	Sensors will require commissioning/programming
F	12	Replace Existing Fixture	LED 2x4 Troffer w/Integrated network sensor	29	4158	LumenFocus 2x4 LED Recessed Troffer w/ Surface mount Kit w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	FFL G2 24 LW UV FA 940 SMK ZESMC	https://lumenfocus.com/wp-content/uploads/2022/07/FFL_G2_24_LED_v1.1.pdf	Sensors will require commissioning/programming
K	25	Replace Existing Fixture	LED 2' Wrap w/Integrated network sensor	9	1043	LumenFocus 2ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 2 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2023/03/ECLN_G2_2_LED_v1.2.pdf	Sensors will require commissioning/programming
M	263	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	15	2092	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
N	77		LED 4' Wrap w/Integrated network sensor	30	4047	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
P	594	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	29	4250	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
Q	36	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	58	8094	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
U	137	Replace Existing Switch	Dimmer Switch			Illumra Dimmer Switch	ZBT-S1AWH	https://illumra.com/wp-content/uploads/2016/07/AHD0611D_ZBT-S1AWH_web.pdf	Switches will require commissioning/programming
V	4	Replace Existing Fixture	LED Hi Bay w/ Integrated network Node	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node & OCC/Daylight/Dimming Sensor	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
V1	12	Retrofit Existing Fixture	LED Hi Bay w/ Integrated network Sensor	81	13438	Flex Lighting High Bay Control fixture w/ Avi-on wireless Node	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	https://linmoreled.com/wp-content/uploads/documentation/es4-spec-sheet-linmoreled.pdf	Sensors will require commissioning/programming
X	1	Replace Existing Fixture	LED Wall Pack	40	5603	Linmore LED Wall Pack	AL-WP1-40W-50K-F-UNV-PC	https://linmoreled.com/wp-content/uploads/documentation/wp1-spec-sheet-linmoreled.pdf	
Y	4		Dimming Wall Station			Avion Scene Controller	2401AC	https://avi-on.com/wp-content/uploads/pdf/data-sheets/2401-Scene-Controller.pdf	
AA	4	Replace Existing Fixture	4' Light Bar	25	1462	Remphos 4' Light Bar	RP-LBI-G1-4F-15W-40K-WC	https://assets.led-llc.com/spec-sheets/RP-LBI-Spec_Sheet.pdf	
AB	5	Replace Existing Lamp	800 Lumen LED A19	12	800	800 Lumen LED A19			
AC	141	Replace Existing Switch Plate	Switch Plate			Switch Plate			
Total	1316								

Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6

The listed products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality and impact on the project economics. Alternate products which are equal in all

1. Alternate products must be proposed as a written question during the designated "Question and Answer" period as defined in the bid solicitation. A product specification sheet designating catalog number, DLC Product

2. The listed Recommended Fixtures have been approved for incentives from the utility. Any Alternate product must qualify for incentive and meet or exceed requirements for a comparable incentive amount.

3. In reviewing the supporting data submitted for alternates, the Owner will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data

4. The use of alternates may require modifications to the project design, the project documents, utility incentive applications etc. If such alternatives are proposed by the Contractor and are approved by the Owner, the

Attachment B - Installation Schedule																	
Nathanael Greene Middle School																	
9/18/2023																	
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C -																	
				Existing Conditions		Proposed Measure											
Item Num	Location Description	Floor	QTY	Description	QTY	Description	Type	Ceiling Hgt	Mounting Hgt	Ceiling Type	Note	Incentive Program	Unit Incentive \$	Total Incentive \$	Control Device	Qty	
	Project Wide			Emergency Generator Circuits		Maintain Existing Emergency Circuits as Required											
	Project Wide			Local On/Off Switching		Maintain Local On/Off Switches											
	Project Wide			Local Ceiling Sensors		Disconnect and Remove Existing Ceiling Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits.						
	Project Wide			Local Wall Sensors		Disconnect and Remove Existing Wall Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits. Install On/Off Switch.						
	Project Wide					Program (Commission) Network Sensors & and switches					Program all fixture mounted integral sensors and dimmer switches.						
1	Foyer & Lobby	1	6	LED Pendant	6	No Change	N/A	N/A	N/A	N/A							
2	Main Office	1	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	2	
3	Main Office	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
4	Main Office Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
5	Main Office Nurse	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
6	Main Office Nurse	1	2	4' 2L TLED Strip	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom					
7	Main Office Principal Office	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
8	Main Office Principal Office	1	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
9	Math/Literacy Office	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom			U	1	
10	Math/Literacy Office	1	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
11	Math/Literacy Office Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
12	Middle Hall	1	18	4' 1L TLED Wrap	18	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
13	Middle Hall	1	9	LED Pendant	9	No Change	N/A	N/A	N/A	N/A							
14	Back Stage	1	4	8' 4L TLED Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom			U	2	
15	Back Stage	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
16	Back Stage	1	4	400W MH High Bay	4	No Change	N/A	N/A	N/A	N/A							
17	Back Stage Closet	1	1	13W CFL Drum	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open							
18	Middle Stage	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
19	Stage	1	4	8' 4L F32T8 Wrap	4	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$240.00			
20	Cases	1	16	8W LED SJ	4	RP-LBI-G1-4F-15W-40K-WC	AA	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$160.00			
21	Elevator Lobby	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
22	Elevator Lobby Elevator	1	1	4' 1L TLED Strip	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
23	Elevator Lobby Elevator	1	1	4' 2L TLED Strip	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom					
24	Restrooms (2)	1	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom					
25	Restrooms (2) Closet	1	2	13W CFL Drum	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open							
26	Stairway 5	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00			
27	Stairway 5	All	4	LED Stairway Fixture	4	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Upstream	\$25.00	\$100.00			
28	Hall Room 108 to Room 114	1	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Upstream	\$25.00	\$50.00			
29	Hall Room 108 to Room 114	1	9	4' 1L TLED Wrap	9	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
30	Coach Office	1	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	1	
31	Coach Office	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
32	Guidance	1	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom			U	2	
33	Guidance Offices (4)	1	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom			U	4	
34	Guidance Offices (4)	1	5	8' 2L TLED Wrap	5	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
35	Guidance Offices (4) Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
36	Gym	1	6	Trace Lite TLED528A	6	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	V1	25-30	20-25	Open		Prescriptive	\$150.00	\$900.00	Y	2	
37	Gym	1	2	Trace Lite TLED528A	2	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	V	25-30	20-25	Open		Prescriptive	\$150.00	\$300.00			
38	Restroom	1	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$80.00			

An Equal Opportunity Employer. The Providence School Department does not discriminate on the basis of race, age, sex, religion, sexual orientation, gender identity or expression, national origin, color, disability or veteran status.

Attachment B - Installation Schedule

Nathanael Greene Middle School

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C -

39	Room 108	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
40	Room 108 Back Room	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
41	Room 110	1	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
42	Room 111	1	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					U	2
43	Room 111	1	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
44	Room 111 Middle Room	1	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
45	Room 113	1	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
46	Room 113	1	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
47	Room 114	1	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
48	Stairway 2	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
49	Stairway 2	All	14	LED Stairway Fixture	14	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$350.00				
50	Stairway 2 Closet	B	1	1L 75W INC Flood	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
51	Stairway 2 Foyer to Locker Room	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
52	Boys Locker Room	1	8	2' 2L F17T8 Wrap	8	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$320.00				
53	Boys Locker Room	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
54	Boys Locker Room	1	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom						
55	Boys Locker Room Closet	1	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00				
56	Office	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					U	1
57	Stairway 2 Room B14	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					U	3
58	Stairway 2 Room B14	B	13	8' 2L TLED Wrap	13	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
59	Stairway 2 Room B14 Closet	B	1	4' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
60	Stairway 4	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
61	Stairway 4	All	12	LED Stairway Fixture	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$300.00				
62	Stairway 4 Closet	B	1	1L 75W INC Flood	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
63	Stairway 4 Hall @ Locker Room	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
64	Hall @ Locker Room Restroom	B	3	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$50.00				
65	Stairway 4 Teachers Lounge	B	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
66	Teachers Lounge Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
67	Hall Library to Room 101	1	9	4' 1L TLED Wrap	9	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
68	Hall Library to Room 101	1	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$50.00				
69	A Gym	1	2	Trace Lite TLED528A	2	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-789-10V	V	25-30	20-25	Open	Prescriptive	\$150.00	\$300.00	Y		2	
70	A Gym	1	6	Trace Lite TLED528A	6	ES40P-A1-13K-4MS-40-80-FR-LV-CRM-SPEC-790-10V	V1	25-30	20-25	Open	Prescriptive	\$150.00	\$900.00				
71	Library	1	21	8' 2L TLED Wrap	21	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
72	Nurse	1	1	2x4T 2L TLED Pris	1	FFL G2 24 LW UV FA 940 ZESMC	F	8-16	8-16	Hard/Open	Custom						
73	Restroom	1	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00				
74	Room 101	1	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
75	Room 102	1	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					U	2
76	Room 102	1	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
77	Room 104	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
78	Room 104 Back Hall	1	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
79	Room 104 Back Hall Closet	1	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
80	Room 104A	1	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
81	Room 104B	1	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
82	Room 104B	1	3	4' 1L TLED Wrap	3	No Change	N/A	N/A	N/A	N/A							
83	Room 105	1	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
84	Room 105 Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
85	Stairway 1	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
86	Stairway 1	All	12	LED Stairway Fixture	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$300.00				
87	Stairway 1 Closet	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
88	Stairway 3	All	1	8' 2L F32T8 Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
89	Stairway 3	All	12	LED Stairway Fixture	12	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$300.00				
90	Stairway 3 Closet	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
91	2nd Floor Hall	2	4	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00				
92	2nd Floor Hall	2	26	4' 1L TLED Wrap	26	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
93	Assistant Principal	2	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom						
94	Assistant Principal Office	2	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
95	Auditorium Spotlight Room	2	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00				
96	Auditorium Spotlight Room	2	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00				
97	Boys Restroom	2	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00				
98	Closet	2	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00				
99	Elevator Lobby	2	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
100	Girls Restroom	2	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00				
101	M2C	2	5	8' 2L TLED Wrap	5	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
102	M2C	2	3	4' 1L TLED Wrap	3	No Change	N/A	N/A	N/A	N/A							
103	M2C	2	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom						
104	M2C Closet	2	1	A19-INC-60W	1	800 Lumen LED A19	AB	8-16	8-16	Hard/Open	Prescriptive	\$6.00	\$6.00				
105	Room 201	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
106	Room 201 Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
107	Room 201A	2	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	1
108	Room 202	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
109	Room 203	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
110	Room 204	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
111	Room 205	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
112	Room 205 Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
113	Room 206	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
114	Room 207	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					U	2
115	Room 207A	2	9	2x4T 2L TLED Pris	9	FFL G2 24 LW UV FA 940 ZESMC	F	8-16	8-16	Hard/Open	Custom						

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Attachment B - Installation Schedule

Nathanael Greene Middle School

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C -

116	Room 208	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
117	Room 208B/C	2	9	4' 1L TLED Wrap	9	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					1
118	Room 208B/C	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
119	Room 208B/C Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A						
120	Room 208B/C Restroom	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
121	Room 208C	2	2	2x4T 2L TLED Pris	2	FFL G2 24 LW UV FA 940 ZESMC	F	8-16	8-16	Hard/Open	Custom					
122	Room 208C	2	5	4' 1L TLED Wrap	5	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
123	Room 208C	2	4	4' 2L TLED Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Custom					
124	Room 208C Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A						
125	Room 208C Restroom	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
126	Room 209	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
127	Room 209 Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A						
128	Room 210	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
129	Room 211	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
130	Room 212	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
131	Room 213	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
132	Room 214	2	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
133	Room 215	2	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
134	Room M2B	2	2	4' 1L TLED Wrap	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom				U	2
135	Room M2B	2	7	8' 2L TLED Wrap	7	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
136	Room M2B Closet	2	1	A19-INC-60W	1	800 Lumen LED A19	AB	8-16	8-16	Hard/Open	Prescriptive	\$6.00	\$6.00			
137	Staff Restroom (2)	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
138	Staff Restroom (2) Closet	2	2	13W CFL Drum	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Custom					
139	3rd Floor Hall	3	4	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00			
140	3rd Floor Hall	3	26	4' 1L TLED Wrap	26	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
141	Boys Restroom	3	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00			
142	Elevator Lobby	2	1	4' 2L TLED Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
143	Girls Restroom	2	6	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00			
144	Office	3	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
145	Office Assistant Principal	3	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
146	Office Closet	3	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
147	Room 301	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
148	Room 301A	3	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
149	Room 302	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
150	Room 303	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
151	Room 304	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	3
152	Room 305	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
153	Room 306	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
154	Room 307	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
155	Room 307 Closet	3	1	No Light	1	No Change	N/A	N/A	N/A	N/A						
156	Room 307A	3	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
157	Room 307A	3	1	A19-INC-60W	1	800 Lumen LED A19	AB	8-16	8-16	Hard/Open	Prescriptive	\$6.00	\$6.00			
158	Room 308	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
159	Room 308B	3	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
160	Room 309	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
161	Room 309 Closet	3	1	No Light	1	No Change	N/A	N/A	N/A	N/A						
162	Room 310	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
163	Room 311	3	15	8' 2L TLED Wrap	15	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	3
164	Room 311 Closets (2)	3	1	8' 4L F32T8 Wrap	1	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
165	Room 311 Closets (2)	3	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
166	Room 313A	3	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
167	Room 313A	3	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
168	Room 313B	3	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom				U	1
169	Room 313B	3	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					
170	Room 314A	3	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
171	Room 314B	3	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
172	Room M3A	3	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
173	Room M3B	3	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	2
174	Room M3B Closet	3	1	A19-INC-60W	1	800 Lumen LED A19	AB	8-16	8-16	Hard/Open	Prescriptive	\$6.00	\$6.00			
175	Room M3C	3	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom				U	1
176	Room M3C	3	3	4' 1L TLED Wrap	3	No Change	N/A	N/A	N/A	N/A						
177	Room M3C	3	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
178	Room M3C Closet	3	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00			
179	Staff Restrooms (2)	2	4	4' 2L TLED Wrap	4	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Custom					
180	Staff Restrooms (2) Closet	2	2	13W CFL Drum	2	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Custom					
181	Basement Hall	8	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$50.00			
182	Basement Hall	8	15	4' 1L TLED Wrap	15	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Custom					
183	Band Storage	8	2	8' 2L TLED Wrap	2	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Custom					

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Attachment B - Installation Schedule
Nathanael Greene Middle School
9/18/2023
The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C -

184	Cafe	B	25	8' 2L TLED Wrap	25	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	4
185	Cafe	B	11	4' 1L TLED Wrap	11	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
186	ARC Room	B	3	8' 4L TLED Wrap	3	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom					
187	Boiler Room Hall	B	3	4' 1L TLED Wrap	3	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
188	Boiler Room	B	18	8' 4L TLED Wrap	18	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Custom					
189	Boiler Room Back Hall	B	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
190	Boiler Room Back Hall	B	1	8' 2L F60T12 Strip	1	No Change	N/A	N/A	N/A	N/A							
191	Exterior Door 8	B	1	100W HPS Wall Pack	1	AL-WP1-40W-50K-F-UNV-PC	X	8-16	8-16	Hard/Open							
192	Mechanical Room	B	2	8' 4L F32T8 Wrap	2	ECL N G2 8 MD UV FR 940 ZESMC	Q	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$120.00			
193	Dishwashing	B	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
194	Dishwashing	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
195	Dishwashing	B	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
196	Dishwashing	B	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Upstream	\$25.00	\$50.00			
197	Kitchen	B	14	4' 2L F32T8 Wrap	14	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$840.00			
198	Kitchen Storage	B	2	4' 2L F32T8 Wrap	2	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$120.00			
199	Restroom	B	3	8' 2L TLED Wrap	3	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
200	Room C-1	B	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	2
201	Room C-2	B	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	2
202	Coaches Office	B	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	1
203	Coaches Office Closet	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
204	Coaches Office Restroom	B	1	4' 1L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					
205	Elevator Lobby	B	1	8' 2L TLED Wrap	1	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
206	Elevator Lobby Elevator Machine Room	B	1	2x2T 2L F34T12/UTF Pris	1	FRL G2 22 LW UV FA 940 ZESMC	E	8-16	8-16	Hard/Open		Prescriptive	\$80.00	\$80.00			
207	Girls Locker Room	B	6	2' 2L F17T8 Wrap	6	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$240.00			
208	Girls Locker Room Closet	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
209	Girls Restroom	B	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Upstream	\$25.00	\$50.00			
210	Library Book Stock Room	B	1	A19-INC-60W	1	800 Lumen LED A19	AB	8-16	8-16	Hard/Open		Prescriptive	\$6.00	\$6.00			
211	Library Book Stock Room	B	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom					
212	Room B-1	B	1	2' 2L F17T8 Wrap	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$40.00			
213	Room B-1 Closet	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
214	Room B-1 Offices (3)	B	3	4' 2L TLED Wrap	3	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom				U	3
215	Room B-1 Offices (3) Closet	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
216	Room B-1 Restroom	B	1	2' 2L F17T8 Wrap	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$40.00			
217	Room B-1 Restroom	B	1	3' 2L F25T8 Vanity	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open		Prescriptive	\$40.00	\$40.00			
218	Room B-1 Restroom Hall	B	1	13W CFL Drum	1	ECL N G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open							
219	Room B-1 Restroom Hall Closet	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
220	Room B-10	B	5	8' 2L TLED Wrap	5	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	1
221	Room B-2	B	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	2
222	Room B-2 Closet	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00			
223	Room B-2 Room B-3	B	4	8' 2L TLED Wrap	4	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	1
224	Room B-4	B	12	8' 2L TLED Wrap	12	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	2
225	Room B-4 Closet	B	1	4' 2L F32T8 Wrap	1	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Prescriptive	\$60.00	\$60.00			
226	Room B-5	B	9	8' 2L TLED Wrap	9	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	2
227	Room B-5 Closet	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A							
228	Room B-6	B	18	8' 2L TLED Wrap	18	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	3
229	Room B-7	B	6	8' 2L TLED Wrap	6	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	1
230	Room B-8 Stock Room	B	5	8' 2L TLED Wrap	5	ECL N G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open		Custom				U	1
231	Room B-8 Stock Room	B	2	LED Strip Fixture	2	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Upstream	\$25.00	\$50.00			
232	Showers	B	19	4' 2L TLED Wrap	19	ECL N G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open		Custom					
233	Towels	B	1	8' 2L TLED Wrap	1	ECL N G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open		Custom					

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Attachment A - Fixture Schedule

Branch Ave School

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule.

Fixture Type	Quantity	Performance Criteria				Recommended Fixture Information			Note
		Measure Type	Equipment Description	Maximum Wattage	Minimum Lumens	Fixture Description	Part Number	Cut Sheet Link	
K	9	Replace Existing Fixture	LED 2' Wrap w/Integrated network sensor	9	1043	LumenFocus 2ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 2 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2023/03/ECLN_G2_2_LED_v1.2.pdf	Sensors will require commissioning/programming
M	23	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	15	2092	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
N	22	Replace Existing Fixture	LED 4' Wrap w/Integrated network sensor	30	4047	LumenFocus 4ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 4 MD UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_4_LED_v1.1.pdf	Sensors will require commissioning/programming
P	120	Replace Existing Fixture	LED 8' Wrap w/Integrated network sensor	29	4250	LumenFocus 8ft LED Wrap w/ Philips EasySense wireless OCC/Daylight/Dimming Sensor	ECL N G2 8 LW UV FR 940 ZESMC	https://lumenfocus.com/wp-content/uploads/2022/09/ECLN_G2_8_LED_v1.1.pdf	Sensors will require commissioning/programming
U	34	Replace Existing Switch	Dimmer Switch			Illumra Dimmer Switch	ZBT-S1AWH	https://illumra.com/wp-content/uploads/2016/07/AHD0611D_ZBT-S1AWH_web.pdf	Switches will require commissioning/programming
AC	34	Replace Switch Plate	Switch Plate			Switch Plate			
Total	242								
<p>Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work in accordance with Attachment C - Supplemental Conditions Section 3.6</p> <p>The listed products were chosen and are recommended based on their technological feasibility, performance, efficiency, appearance, quality and impact on the project economics. Alternate products which are equal in all aspects</p> <p>1. Alternate products must be proposed as a written question during the designated "Question and Answer" period as defined in the bid solicitation. A product specification sheet designating catalog number, DLC Product ID, and performance data for each proposed alternate must be included.</p> <p>2. The listed Recommended Fixtures have been approved for incentives from the utility. Any Alternate product must qualify for incentive and meet or exceed requirements for a comparable incentive amount.</p> <p>3. In reviewing the supporting data submitted for alternates, the Owner will use for purposes of comparison all the characteristics of the specified material or equipment as they appear in the manufacturer's published data even</p> <p>4. The use of alternates may require modifications to the project design, the project documents, utility incentive applications etc. If such alternatives are proposed by the Contractor and are approved by the Owner, the</p> <p>Contractor shall assume all costs required to make necessary revisions and modifications.</p>									

Attachment B - Installation Schedule

Branch Ave School

9/18/2023

The Contractor will supply and install lighting fixtures and lighting controls as listed in the following schedule. Quantities and descriptions are listed for solicitation purposes. Upon contract award the contractor will verify the scope of work

Item Number	Location Description	Floor	QTY	Existing Conditions		Proposed Measure				Note	Incentive Program	Unit Incentive	Total Incentive \$	Control Device	Qty
				Description	QTY	Description	Type	Ceiling Hgt	Mounting Hgt	Ceiling Ty					
	Project Wide			Emergency Generator Circuits		Maintain Existing Emergency Circuits as Required									
	Project Wide			Local ON/Off Switching		Maintain Local On/Off Switches									
	Project Wide			Local Ceiling Sensors		Disconnect and Remove Existing Ceiling Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits.				
	Project Wide			Local Wall Sensors		Disconnect and Remove Existing Wall Sensors					Properly Terminate Sensor Connections and Remove Associated Sensors, powerpacks etc. Re-establish line voltage circuits. Install On/Off Switch.				
	Project Wide					Program (Commission) Network Sensors & and switches					Program all fixture mounted integral sensors and dimmer switches.				
1	Foyer	1	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
2	Foyer	1	2	8' 2L F32T8 Wrap	2	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00	U	1
3	Main Office	1	2	8' 2L F32T8 Wrap	2	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00		
4	Main Office Closet	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A					
5	Main Office Restroom	1	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
6	Main Office Restroom	1	1	2' 1L F17T8 Vanity	1	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open					
7	1st Floor Halls	1	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
8	1st Floor Halls	1	5	8' 2L F32T8 Wrap	5	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$300.00		
9	Administrative Suite	1	7	8' 2L F32T8 Wrap	7	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$420.00		
10	Administrative Suite Offices (4) LOCKED (2)	1	2	8' 2L F32T8 Wrap	2	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00	U	4
11	Administrative Suite Offices (4) LOCKED (2)	1	2	4' 2L F32T8 Wrap	2	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00		
12	Administrative Suite Restroom	1	1	8' 2L F32T8 Wrap	1	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		
13	Room 104	1	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
14	Room 105	1	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
15	Room 106	1	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
16	Room 107	1	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
17	Stairway "Down"	1	3	4' 1L F32T8 Wrap	3	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$75.00		
18	Stairway "Down"	1	3	8' 2L F32T8 Wrap	3	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
19	Stairway "Down" Closets (3)	1	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
20	Stairway "Down" Closets (3)	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A					
21	Stairway "Down" Closets (3)	1	1	60W Keyless	1	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$40.00		
22	Stairway "Up"	1	3	8' 2L F32T8 Wrap	3	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00		
23	Stairway "Up"	1	3	4' 1L F32T8 Wrap	3	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$75.00		
24	Stairway "Up" Closets (4) LOCKED	1	2	60W Keyless	2	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00		
25	Stairway "Up" Closets (4) LOCKED	1	1	No Light	1	No Change	N/A	N/A	N/A	N/A					
26	2nd Floor Halls	2	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
27	2nd Floor Halls	2	6	8' 2L F32T8 Wrap	6	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00		
28	Room 201	2	3	8' 2L F32T8 Wrap	3	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00	U	1
29	Room 202	2	3	8' 2L F32T8 Wrap	3	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00	U	2
30	Room 203	2	2	4' 1L F32T8 Wrap	2	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$50.00	U	2
31	Room 203	2	4	8' 2L F32T8 Wrap	4	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$240.00	U	2
32	Room 203 Closet	2	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
33	Room 204	2	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
34	Room 205	2	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
35	Room 206	2	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
36	Room 207	2	9	8' 2L F32T8 Wrap	9	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$540.00	U	2
37	School Store	2	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
38	Teachers Room	2	2	8' 2L F32T8 Wrap	2	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00	U	1
39	Teachers Room Closet	2	1	No Light	1	No Change	N/A	N/A	N/A	N/A					
40	Teachers Room Restroom	2	1	4' 1L F32T8 Wrap	1	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Upstream	\$25.00	\$25.00		
41	Teachers Room Restroom	2	1	2' 1L F17T8 Vanity	1	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open					
42	Basement Hallway	B	9	LED Drum	9	No Change		8-16	8-16	Hard/Open					
43	Boiler Room	B	5	4' 2L F32T8 Wrap	5	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$300.00		
44	Boiler Room	B	2	Drum 3L 13W CFL	2	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00		
45	Boys Restroom	B	6	4' 2L F32T8 Wrap	6	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00		
46	Cafe	B	2	8' 4L F32T8 Wrap	3	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$180.00	U	2
47	Cafe	B	2	4' 2L F32T8 Wrap	2	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00		
48	Cafe Closets (2)	B	1	4' 2L F32T8 Wrap	1	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$60.00		
49	Cafe Closets (2)	B	1	No Light	1	No Change	N/A	N/A	N/A	N/A					
50	Closets (2)	B	2	60W Keyless	2	ECL G2 2 LW UV FR 940 ZESMC	K	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$80.00	U	1
51	Custodian Office	B	3	LED Drum	3	No Change		8-16	8-16	Hard/Open					
52	Girls Restroom	B	6	4' 2L F32T8 Wrap	6	ECL G2 4 MD UV FR 940 ZESMC	N	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$360.00		
53	Gym	B	2	4' 2L F32T8 Wrap	2	ECL G2 8 LW UV FR 940 ZESMC	P	8-16	8-16	Hard/Open	Prescriptive	\$60.00	\$120.00	U	2
54	Gym	B	9	4' 1L F32T8 Wrap	7	ECL G2 4 LW UV FR 940 ZESMC	M	8-16	8-16	Hard/Open	Prescriptive	\$40.00	\$280.00		
55	Mechanical Room H2V	B	1	LED Drum	1	No Change		8-16	8-16	Hard/Open					
56	School Support Office	B	3	LED Drum	3	No Change		8-16	8-16	Hard/Open					

An Equal Opportunity Employer. The Providence School Department does not discriminate on the basis of race, age, sex, religion, sexual orientation, gender identity or expression, national origin, color, disability or veteran status.

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III. Contractor Required Qualifications

PPSD requires the contractor to meet the qualifications and specifications listed below.

- Possess all licensing and manpower under direct employ or disclose of outsourced manpower on the project, copies subcontractor labor provided with submission
- Must demonstrate capacity and project management to complete this project with designated timelines.
- Must provide list of employees with names, years with the company and experience in lighting projects in complete resume format by employee.
- Contractor must provide 5 reference customer names for lighting upgrades projects in K-12, municipal or Higher Education.
- Contractor shall provide minimum of three references in public schools in similar size, in good standing and contacts with phone numbers provided for reference check, references shall provide similar volume of work to this project
- Contractor will run background checks on employees if requested prior to commencing work in the schools.
- If deemed necessary by PPCD, contractor shall remove an employee from the project if requested.

IV. Supplemental Requirements and Conditions

Table of Contents This Section

1. General description of the Work
 - 1.1 Project Documents Listing
2. Working Conditions
 - 2.1 Operation of Facility
 - 2.2 Schedule
 - 2.3 Safety
 - 2.4 Identification
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 - 2.6 Access to work area
 - 2.7 Protection of property
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 - 4.1 General Installation
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- 6. Project Completion
 - 6.1 Closeout Meeting
 - 6.2 Closeout Documents
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 - 6.4 Backup Stock/Spare Parts
 - 6.5 Additional Requirements

Project Information

Project ID- Providence Schools Lighting Retrofit
Location-

- 1.0 Mt. Pleasant High School at 434 Mount Pleasant Ave**
- 2.0 Roger Williams Middle School at 278 Thurbers Ave**
- 3.0 Lillian Feinstein Elementary School at 159 Sackett St**
- 4.0 Branch Ave School at 425 Branch Ave**
- 5.0 Nathanael Green Middle School at 721 Chalkstone Ave**

Agency- Providence School Department

1.0 General Description of the Work

Upgrade of the existing lighting system including luminaires and lighting controls to improve the quality of the working environment, reduce energy consumption and maintenance costs.

Replace the existing lighting fixtures and lighting controls as listed in Attachment A- Fixture Schedule and Attachment B –Installation Schedule

Provide all necessary supervision, installation personnel, equipment and materials to complete the work in a professional and timely manner as defined in Attachment A- Fixture Schedule, Attachment B- Installation Schedule and in Supplemental Conditions.

Provide a 1-year warranty for all parts and labor associated with the project.

Provide As-Built Documentation and Closeout Procedures as defined in this Supplemental Conditions.

- 1.1 The following are included in the contract documents:
Attachment A - Fixture Schedule listed by school in this document
Attachment B - Installation Schedule listed by school in this document

2.0 Working Conditions

2.1 Operation of Facility - The facility will remain open and occupied. There will be a summer school program running concurrently to the Contractor's work. Contractor will make every effort to minimize disruption of the operation of the facility. Contractor will perform work after summer school hours and days that summer school does not take place.

2.2 Schedule - The work shall proceed as established in the Project Schedule as determined in section

2.2.1 Expected project completion date: To be determined

2.3 Safety - Safety is of the utmost importance. Contractor will provide for the protection of School Staff and students and contractor personnel as well as the protection of Agency workers and the general public. Contractor will supply all protective equipment, signage, barricades, etc. required to maintain a safe working environment at all times. Contractor shall comply with safety requirements and practices in accordance with Agency requirements and Occupational Safety and Health Administration (OSHA). Active work areas shall be clearly marked with safety cones or similar signage.

2.3.1 Additional Safety requirements for this project include the following; To be determined

2.4 Identification - Contractor will maintain a daily log of all personnel and visitors on site. All contractor personnel will display identification at all times when on site. Contractor shall log in to project sites on daily basis and follow all safety protocols at schools.

2.4.1 Additional identification and sign-in requirements for this project include the following; All vendors must sign in when entering the facility to work, and comply with any and all Covid 19 or regulatory protocols

2.5 Working Hours Monday – Friday 6:30 am – 10:00 pm in rooms not occupied by Summer School programs. Monday – Thursday 1:30 pm – 10:00 pm anywhere in the building, Friday 6:30 am – 10:00pm schedules could vary and will be determined prior to starting work for convenience and productivity.

2.5.1 Special working hours requirements for this project include the following; To be determined based on school schedule needs.

2.6 Access to Work Area – On-site agency personnel will provide contractor access to the work area in accordance with the Schedule of Work submitted by the contractor. Changes and adjustments to the Schedule should be requested as far in advance as is practical. The OPM will make every effort to accommodate such changes but cannot guarantee access for schedule change requests submitted with less than 24 hr. notice.

2.7 Protection of Property – Contractor will provide all equipment, coverings etc. required for the protection of facility and personal property located in the construction area. Contractor will identify any specific property that requires protection by others in the Pre-Construction Report as defined in sec 3.6.

2.7.1 Additional property protection requirements for this project include the following: To be determined

2.8 On-Site Storage - The security of all project material is the sole responsibility of the Contractor until installation is completed and accepted.

2.8.1 On-site storage is available as follows: Facilities staff will designate an area in the building before the commencement of work.

2.9 On-Site Parking Contractor personnel will park in designated areas only or in public spaces. Daily parking for construction vehicles will be in designated areas only. No overnight parking of construction vehicles is permitted.

2.9.1 Designated On-site parking could be provided with limit to a few spaces.

2.10 Special Working Conditions – Contractor will ensure that all project personnel are properly informed of and in compliance with any additional requirements for working in specified areas or conditions.

2.10.1 Special working conditions for this project are as follows; TBD

2.11 Supervision - The Owner will designate an Owner's Project Manager prior to the start of work. The Owner's Project Manager will be the primary point of contact for all matters related to the project. The Contractor will provide on-site supervision whenever work is in progress. Site supervisor(s) must be identified in the Project Personnel Listing (sec 3.1) and provide emergency contact information to the Owner's Project Manager and Facility Contact. The on-site supervisor will meet daily with designated facility contact(s) to coordinate current and future work. On-site supervisor will attend meetings as requested by the Owner's Project Manager.

3.0 Pre-Construction Requirements - Upon contract award and prior to the start of construction, the contractor will transmit to the Owner's Project Manager the following:

3.1 Project Personnel Listing - Provide Name, Title, and contact information for Primary Contractor contact, Contractor's On-Site Supervisor, Construction Foreman.

3.2 Project Schedule– Provide an installation schedule in sufficient detail to facilitate coordination with facility personnel to expedite the work.

3.3 Schedule of Project Values – Provide a schedule of project phases and associated contract values.

3.4 Schedule of Fixture Unit Prices –Provide a schedule of unit pricing for the installation of fixtures listed in Attachment A. This schedule will establish unit pricing for potential changes in installed quantities and adjustments to the final price per the contract documents.

3.5 Materials Submittals – Provide technical data specification sheets for all materials to be installed in the project for review and approval. Proposed materials shall be consistent with bid specifications. Changes to the materials specifications required by special field conditions or technical requirements should be listed separately with supporting documentation. Prior to ordering materials, the contractor shall verify the quantity, voltage, color temperature, diffuser, controls and mounting hardware are as specified and appropriate for the intended use.

3.6 Pre-Construction Report – Contractor will verify the scope of work as listed in Attachment B Installation Schedule and include in the report any discrepancy in quantities or required changes to the specification. The Contractor will inspect the facility and report any existing condition that will impact the contractor's work schedule or that may require correction prior to the commencement of the contractor's work.

3.7 Permits and Licenses - Contractor will obtain and pay for all necessary permits required prior to the commencement of work. Such permits shall be properly displayed at the work site and a copy transmitted to the OPM. Contractor will deliver to the OPM a copy of the Contractor's or subcontractor's State of Rhode Island Electrician's License or any other License or certification required for the project work.

3.7.1 Specified permits or licenses required for this project as follows: To be determined

3.8 Hazard Response Plan – The contractor will provide a detailed procedure to be implemented in the event of any of the following conditions:

Broken Lamps
Broken Lamp Containing Mercury
Discovery of a Ballast Containing PCB

4.0 Installation

4.1 General Installation - All new fixtures, retrofits, and accessories shall be installed in a workmanlike manner to industry standard and in compliance with all applicable codes. Installation shall comply with the manufacturer instructions and ensure warranty requirements are met. Work shall be continuous per the established Project Schedule, see Section 3.2.

4.2 Removal and Disposal - Contractor is responsible for the proper disposal of all materials and equipment removed, construction waste, packaging materials, and trash. Contractor will supply disposal receptacles and may not use the facility's waste receptacles or systems.

4.2.1 Space for a dumpster will be provided by OPM.

4.3 Recycling - Contractor will provide for the proper recycling of lamps and ballasts as required by local, state, and federal laws. Certification of recycling documentation will be transmitted to the OPM upon completion of the project.

4.4 Material Handling - Contractor is responsible for the delivery, off-loading, Inventory, storage, and distribution of the project material. Owner's personnel cannot receive material deliveries on behalf of the Contractor.

4.5 Equipment - Contractor will provide all ladders, staging, lifts, and equipment required for the safe completion of the work. No Owner-owned equipment may be utilized by the contractor. All equipment operators must carry valid certification as required for the equipment being operated.

4.6 Fastening and Suspension - All fixtures will be installed in accordance with the manufacturer's instructions and shall meet requirements of all codes in force. Fasteners of high quality and in sufficient quantity shall be employed to ensure proper installation. Secondary suspension, if required, shall be in accordance with local and state building code in force.

4.7 Electrical - Fixtures shall be installed in accordance with NEMA standards and requirements of the National Electrical Code pertaining to installation of interior lighting fixtures and with applicable portions of NECA's "Standard of Installation." All electrical components shall be RoHS compliant. Certification: New and/or Retrofit Fixtures, Electrical Components, Devices, Accessories, and Sensors & Controls and associated components shall be listed and UL labeled and marked for intended location and application and comply with current National Electric Code. All fixtures and retrofits shall be listed with Design Lights Consortium (DLC), or EnergyStar.

4.8 Surface Restoration - Contractor will restore any surface damaged during installation to match existing conditions. Unfinished areas exposed by installation will be restored as well.

4.8.1 Specified surface restoration requirements for this project include the following; To be determined

4.9 Cleaning – Throughout the workday the contractor will maintain a clean work area. At the end of each workday the Contractor will ensure the work area is cleaned and returned to the condition in which it was found. Included in daily cleanup is the removal of all dust and debris from work surfaces and floors. All installation equipment, tools, and uninstalled materials should be removed to the storage area. Upon completing a fixture installation, clean and wipe down all fixture surfaces.

4.10 Hazardous Condition – Upon the creation or discovery of a hazardous condition the Contractor will immediately stop all work, notify the OPM, notify Onsite Facility Contact, and implement the appropriate Hazard Response Plan as established in section 3.8.

4.10.1 Specified Installation conditions for this project include the following: To be determined

4.11 Control Systems – Contractor will install, and commission specified lighting controls in accordance with the manufacturer's instructions. The Contractor will coordinate with the OPM to establish a list of control parameters for each room and area type. Utilizing the established parameters, controls/sensors shall be programmed & commissioned concurrent with the installation of the fixtures being controlled.

4.11.1 Additional control system and commissioning requirements for this project include: To be determined

5.0 Warranty - The Contractor shall warrant its work against defective materials and workmanship for a period of one year from the date of acceptance of the entire project, unless longer term is specified. Neither Final Payment nor any provisions in the Contract Documents shall relieve the Contractor of the responsibility for faulty materials or workmanship. Contractor shall register all materials installed for the project with the manufacturer and ensure all applicable manufacturer warranties are in force and valid at the time of project completion. Warranty shall be for the entire fixture and its associated components and shall not refer warranty of components to other manufacturers of components that make up the fixture. LEDs and drivers for LED fixtures shall be covered by a minimum of a five-year manufacturer's warranty against defects in workmanship or material. Warranty shall not define any limitations or percentage of acceptable failure for any component thereby allowing the failure or any component to not be covered under the warranty. Any failure of any component(s) and/or sub-components shall be deemed a failure and subject to replacement of the failed component(s) and/or sub-components under the warranty.

6.0 Project Completion

6.1 Closeout Meeting - Upon substantial completion of the work, the Contractor will attend a closeout meeting to determine punch list items, discrepancies or changes in the scope of work and any final requirements for completion of the project.

6.2 Closeout Documents - Contractor will transmit to OPM the following:

Project Book – Provide a binder of related project information including warranty information, product data sheets, as-built listing of fixtures installed and product manuals and training materials. Both hard copy and digital to be provided.

Service Plan – Provide contact information and procedure to request a service call during the contractor warranty period.

Certificate(s) of recycling.

Signed permits.

6.3 Training and Commissioning - Contractor will provide instruction in the proper use of all installed equipment. Contractor will supply the Owner with necessary commissioning and control equipment for the future programming and maintenance of the system(s) installed.

6.4 Back up Stock / Spare Parts– Upon project completion Contractor will deliver to the facility the following additional material(s): To be determined

6.5 Additional Requirements - Additional project closeout requirements are as follows:
To be determined.

V. Timeline for Implementation

BID RELEASED	SEPTEMBER 21, 2023
<u>MANDATORY</u> SCHOOL WALK THROUGH	OCTOBER 3, 2023 STARTING AT MT. PLEASANT HIGH SCHOOL @ 9:00 AM
QUESTIONS DUE to PPSD	OCTOBER 10, 2023
RESPONSES TO QUESTIONS	OCTOBER 17, 2023
BID SUBMISSION DUE	OCTOBER 26, 2023 @ 1:00 PM – Purchasing Dept. or by email date stamped no later than bid date & time
AWARD NOTIFICATION	NOVEMBER 10, 2023
SUBSTANTIAL COMPLETION	12 MONTHS FROM START CONSTRUCTION
PROJECT COMPLETION	14 MONTHS FROM START CONSTRUCTION

VI. Proposal Requirements

Each bidder should ensure to provide thorough and complete explanations for the scope of work at each school. Any ambiguity in your proposal will be deemed insufficient, which could cause your proposal to be considered unresponsive and disqualified. Ensure all forms and documents requested are complete and understandable. If you provide an alternate proposal to the fixtures in the base bid, bidder must provide complete and clear documentation including technical data and RI Energy approved fixtures meeting the fixture requirements for both incentives and application by TBD Lighting.

Any deviation from requirements could cause the assessed value to be lower on the contractor evaluation.

In no circumstance, will there be any cost of the base bid work to be the responsibility of Providence Public Schools.

There could be scope added by Providence Public Schools to enhance exterior lighting for staff and student safety, in this case this scope will be requested and proposed separately under this project. It will not have any impact on the incentive provided by RI Energy.

Ensure all information requested throughout this RFP are complete and responsive.

VII. Limitations

This Request for Proposals (RFP) does not commit the Providence School Department to award any contract or pay for the preparation of any proposal submitted in response to this RFP. The Providence School Department may withdraw or amend this RFP in its entirety or in part, at any time if it is in the best interests of the organization to do so. This award is contingent upon the receipt of funding.

VIII. Questions

Questions concerning this solicitation should be emailed to:

1. Peter Kazarian, Deputy Director of Facilities at Peter.Kazarian@ppsd.org

Questions are due by October 10, 2023 close of business

Questions will be answered via addendum by October 17, 2023.

IX. Evaluation of Proposals

Each vendor proposal will be reviewed and scored against the criteria in the table below. A review committee with at least three members will evaluate the proposals. Each member of the committee will conduct a thorough, independent evaluation of each proposal. The committee will then meet for a discussion after which members will have the option to revise their scores. The technical score will be determined by averaging each member's score in each category.

The maximum number of points scored is 100. The threshold to advance to cost proposal review is 75 points. Proposals scoring below 75 points will be deemed technically unacceptable and will not be considered in the cost proposal review.

The award will be based on the lowest cost, qualified and technically acceptable proposal(s).

Vendor Name:	
Technical Proposal Category	Score
<i>Executive Summary (0 - 10 points)</i>	
<i>Previous Experience and Background (0 -10 points)</i>	
<i>Capability, Capacity, Staffing and Qualifications of the Vendor (0 -40 points)</i>	
<i>Work Plan/Approach Proposed (0-40 points)</i>	
Total Score	

Providence Public Schools may choose to seek clarifications from vendors with regard to their proposals. All responses will be provided in writing, and incomplete and/or unclear responses may result in a proposal being deemed technically unacceptable. Providence Public Schools reserves the right to make a selection without requesting clarification. Additionally, Providence Public Schools may not necessarily seek clarifications from all vendors submitting proposals.