

**ROCKETSHIP EDUCATION
REQUEST FOR PROPOSALS**

NO. 2017Prop39Lighting

For

Mosaic and Discovery

DATED September 25, 2017

(Proposition 39 Lighting)

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Rocketship Prop 39 Project (Lighting and HVAC) Bids Invitation Notice:

1. Notice is hereby given that the Rocketship Education will receive sealed bids for the Prop 39 HVAC and Lighting Projects (“Projects”) up to, but not later than, 1:00 PM, on November 7, 2017, and will thereafter publicly posting the bids at Rocketship Education’s Web site. The Projects cover 2 schools (Discovery Prep. and Mosaic Elementary).
2. All bids shall be received at both of the following Email addresses: Laura Kozel: Email lkozel@rsed.org ; King Tang: Email: king.tang@clearesult.com.
3. Each bid shall be completed on the Bid Proposal Form included in the Contract Documents, and must conform and be fully responsive to this invitation, the performance specifications and all other Contract Documents. Bidders may submit for either or both projects.
4. Electronic copies of this RFP and all the bid documents may be downloaded at <http://www.rsed.org/2017rfp.cfm> Provide all RFP questions to King Tang at king.tang@clearesult.com.
5. Bid Bond is not required per District’s direction.
6. The successful bidder shall comply with the provisions of the Labor Code pertaining to payment of the generally prevailing rate of wages and apprenticeships or other training programs. Copies of prevailing rates are available online at <http://www.dir.ca.gov/DLSR>. The Contractor and all Subcontractors shall pay not less than the specified rates to all workers employed by them in the execution of the Contract. Bidders and Bidders’ subcontractors shall comply with the registration and qualification requirements pursuant to sections 1725.5 and 1771.1 of the California Labor Code.
7. The substitution of appropriate securities in lieu of retention amounts from progress payments in accordance with Public Contract Code §22300 is permitted.
8. Each bid shall include the name and location of the place of business of each subcontractor who shall perform work or service or fabricate or install work for the contractor in excess of one-half of one percent (1/2 of 1%) of the bid price.
9. Minority, women, and disabled veteran contractors are encouraged to submit bids. This bid is not subject to Disabled Veteran Business Enterprise requirements.
10. The project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations. In accordance with SB 854, all bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations at time of bid opening and at all relevant times. Proof of registration shall be provided as to all such contractors prior to the commencement of any work. Each bidder shall possess at the time the bid

is awarded the following classification(s) of California State Contractor's license: All applicable "C" class licenses.

11. The Governing Board has found that the Project is substantially complex and therefore requires a retention amount of 5%.
12. Mandatory bidders' conferences for Lighting and HVAC will be held at Rocketship Discovery Prep, 370 Wooster Ave. San Jose, CA on October 26, 2017. (9 AM for Lighting and 1 PM for HVAC). Walkthrough for both Discover Prep and Mosaic Elementary will take place immediately after. Failure to attend the conference may result in the disqualification of the bid of the non-attending bidder.

Rocketship Education
By: Laura Kozel

October 4th, 2017 (1st Ad)

October 11, 2017, (2nd Ad)

B. Instructions to Bidders

General

Each bid submitted to the Rocketship Education (“District”) for the Prop 39 –Lighting (“Project”) shall be in accordance with the following instructions and requirements, which are part of the Contract Documents for this Project.

1. **Deadline For Receipt of Bids.** Each bid shall be sealed and submitted to the District Superintendent or designee no later than 1:00 PM on **November 7, 2017**. The District required that bids be emailed in order to ensure their timely receipt. Any bids received after the time stated, regardless of the reason, shall be returned, unopened, to the bidder.

All bids shall be received at both of the following Email addresses:

Laura Kozel, Email: lkoz@rsed.org
King Tang, Email: king.tang@clearesult.com

Provide Bid proposal in PDF format and Price Breakout sheets in Excel format.

2. **Bidders’ Conference/ Job Walk.** A mandatory bidders’ conference will be held on **October 26, 2017 at 9 AM, at Discovery Prep, 370 Wooster Ave. San Jose, CA**, for the purpose of acquainting all prospective bidders with the Contract Documents and the Project site. It is imperative that all prospective bidders attend this conference. The failure to attend the conference may result in the disqualification of the bid of the non-attending bidder.
3. **Requests for Information.** A bidder’s failure to request clarification or interpretation of an apparent error, inconsistency or ambiguity in the Contract Documents waives that bidder’s right to thereafter claim entitlement to additional compensation based upon an ambiguity, inconsistency, or error, which should have been discovered by a reasonably prudent Contractor, subject to the limitations of Public Contract Code §1104. Any questions relative to the bid shall be in writing and directed to King Tang, Project Management Consultant Email: king.tang@clearesult.com. These requests shall be submitted to the King Tang at least five working days prior to the date the bid is due.
4. **Bid Proposal Forms.** All bid proposals shall be made on the form provided by the District. All items on the form shall be filled out in ink. Numbers should be stated in figures, and the signatures of all individuals must be in long hand. The completed form should be without interlineations, alterations, or erasures
5. **Execution of Forms.** Each bid shall give the full business address of the bidder and must be signed by the bidder or bidder’s authorized representative with his or her usual signature.

Bids by partnerships must furnish the full names of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters. Bids by corporations must be signed with the legal name of the corporation, followed by the signature and designation of the president, secretary, or other person authorized to bind the corporation in this matter. The name of each person signing shall also be typed or printed below the signature. When requested by the District, satisfactory evidence of the authority of the officer signing on behalf of the corporation or partnership shall be furnished. A bidder's failure to properly sign required forms may result in rejection of the bid. All bids must include the bidder's contractor license number(s) and expiration date(s).

6. Bid Security. Not required per District's direction.
7. Withdrawal of Bid Proposals. Bid proposals may be withdrawn by the bidders prior to the time fixed for the opening of bids, but may not be withdrawn for a period of sixty (60) days after the opening of bids, except as permitted pursuant to Public Contract Code §5103.
8. Addenda or Bulletins. The District reserves the right to issue addenda or bulletins prior to the opening of the bids subject to the limitations of Public Contract Code §4104.5. Any addenda or bulletins issued prior to bid time shall be considered a part of the Contract Documents.
9. Bonds. The successful bidder shall be required to submit payment and performance bonds as specified in and using the bond forms included with the Contract Documents. All required bonds shall be based on the maximum total contract price as awarded, including additive alternates, if applicable.
10. Rejection of Bids and Award of Contract. The District reserves the right to waive any irregularities in the bid and reserves the right to reject any and all bids. The Contract will be awarded, if at all, within sixty (60) calendar days after the opening of bids to the lowest responsible and responsive bidder, subject to Governing Board approval. The time for awarding the Contract may be extended by the District with the consent of the lowest responsible, responsive bidder.
11. Execution of Contract. The successful bidder shall, within ten (10) calendar days of the Notice of Award of the Contract, sign and deliver to the District the executed contract along with the bonds and certificates of insurance required by the Contract Documents. In the event the successful bidder fails or refuses to execute the Contract or fails to provide the bonds and certificates as required, the District may award the work to the next lowest responsible, responsive bidder, or may reject all bids and, in its sole discretion, call for new bids. In all cases, the District reserves the right, without any liability, to cancel the award of Contract at any time prior to the full execution of the Contract.
12. Drawings and Specifications. All drawings, specifications and other documents used or prepared during the project shall be the exclusive property of the District.

13. Evidence of Responsibility. Upon the request of the District, a bidder shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, the bidder's experience in the type of work being required by the District, the bidder's availability to perform the Contract and any other required evidence of the bidder's qualifications and responsibility to perform the Contract. The District may consider such evidence before making its decision to award the Contract. Failure to submit requested evidence may result in rejection of the bid.
14. Taxes. Applicable taxes shall be included in the bid prices.
15. Bid Exceptions. Bid exceptions are not allowed. If the Bidder has a comment regarding the bid documents or the scope of work, the Bidder shall submit those comments to the District for evaluation at least five working days prior to the opening of the bids. No oral or telephonic modification of any bid submitted will be considered and a sealed written modification may be considered only if received prior to the opening of bids. E-mailed or faxed bids or modifications will not be accepted.
16. Discounts. Any discounts which the bidder desires to provide the District must be stated clearly on the bid form itself so that the District can calculate the net cost of the bid proposal. Offers of discounts or additional services not delineated on the bid form will not be considered by the District in the determination of the lowest responsible responsive bidder.
17. Quantities. The quantities shown in the performance specifications are approximate. The District reserves the right to increase or decrease quantities as desired.
18. Prices. Bidders must quote prices F.O.B. unless otherwise noted. Prices should be stated in the units specified and bidders should quote each item separately. The price shall include all material, labor, and equipment, including paying for permits, fees, bonds, and insurance, rentals, waste disposal required for the complete and working installation of the project.
19. Samples. On request, samples of the products being bid shall be furnished to the District.
20. Special Brand Names/Substitutions. In describing any item, the use of a manufacturer or special brand does not restrict bidding to that manufacturer or special brand, but is intended only to indicate quality and type of item desired, except as provided in §3400 of the Public Contract Code. Substitute products will be considered either prior to or after the award of the Contract in accordance with §3400 and as set forth in either the Supplemental Conditions or the Specifications. All data substantiating the proposed substitute as an "equal" item shall be submitted with the written request for substitution. The District reserves the right to make all final decisions on product and vendor selection.

21. Container Costs and Delivery. All costs for containers shall be borne by the bidder. All products shall conform to the provisions set forth in the federal, county, state and city laws for their production, handling, processing and labeling. Packages shall be so constructed to ensure safe transportation to the point of delivery.
22. Bid Negotiations. A bid response to any specific item of the bid using terms such as “negotiable,” “will negotiate,” or similar phrases, will be considered non-responsive.
23. Prevailing Law. In the event of any conflict or ambiguity between these instructions and state or federal law or regulations, the latter shall prevail. All equipment to be supplied or services to be performed under the bid proposal shall conform to all applicable requirements of local, state and federal law, including, but not limited to, Labor Code §§1771, 1778 and 1779.
24. Allowances. An “allowance” means an amount included in the bid proposal for work that may or may not be included in the Project, depending on conditions that will become known only after the Project is underway.
25. Subcontractors. Pursuant to the Subletting and Subcontracting Fair Practices Act, Public Contract Code §§4100-4114, every bidder shall, on the enclosed Subcontractor List Form, set forth:
 - a. The name and location of the place of business of each Subcontractor who will perform work or labor or render service to the bidder in or about the work or fabricate and install work in an amount in excess of one-half (1/2) of the one percent (1%) of the bidder's total bid.
 - b. If the bidder fails to specify a Subcontractor for any portion of the work to be performed under the Contract in excess of one-half (1/2) of one percent (1%) of the bidder's total bid, bidder agrees that bidder is fully qualified to and shall perform that portion of the work. The successful bidder shall not, without the written consent of the District or compliance with Public Contract Code §§4100 - 4114, either:
 - 1) Substitute any person as Subcontractor in place of the Subcontractor designated in the original bid;
 - 2) Permit any subcontract to be voluntarily assigned or transferred or allow the work to be performed by anyone other than the original Subcontractor listed in the bid; or
 - 3) Sublet or subcontract any portion of the work in excess of one-half (1/2) of one percent (1%) of the total bid as to which the bidder's original bid did not designate a Subcontractor.

26. Examination of Contract Documents and Work Site. Before submitting a bid proposal, all bidders shall carefully examine the Contract Documents, including the plans and specifications, shall visit the site of the proposed work, and shall fully inform themselves of all conditions in and about the work site, as well as applicable federal, state and local laws and regulations that may affect the work. No bidder shall visit the site without prior authorization of the District. Bidders shall contact the District Superintendent or designee for coordination of site visits. Contact for site visits is: Sherry Iida
27. Form and Approval of Contract. The Contract Documents must be approved by the Governing Board of the District and its legal counsel. The bidder selected by the District shall execute the contract provided by the District.
28. Licenses and Permits. Each bidder, and its Subcontractors, if any, shall at all times possess all appropriate and required licenses or other permits to perform the work as identified in the Contract Documents. Upon request, each bidder shall furnish the District with evidence demonstrating possession of the required licenses or permits.
29. Denial of Right to Bid. Contractors or Subcontractors who have violated state law governing public works shall be denied the right to bid on this public works contract pursuant to Labor Code §1777.7.
30. Bidders Interested in More Than One Bid. No person, firm, or corporation shall make, or file, or be interested in more than one bid. However, a person, firm, or corporation that has submitted a sub-proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders or from submitting a prime proposal.
31. Contractor's State License Board. Contractors and Subcontractors are required by law to be licensed and regulated by the California Contractors' License Board.
32. Fingerprinting. The successful bidder, its employees, subcontractors, and agents may be fingerprinting as required by the Education Code.
33. Disabled Veterans Participation Goals. This Contract is not subject to Education Code §17076.11.,
34. Labor Compliance. The project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations. In accordance with SB 854, all bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations at time of bid opening and at all relevant times. Proof of registration shall be provided as to all such contractors prior to the commencement of any work.
36. Additive and Deductive Items: Method of Determining Lowest Bid. Pursuant to Public

Contract Code §20103.8, if the bid solicitation includes additive and/or deductive items, the checked [X] method shall be used to determine the lowest bid: *[check one]*

_____ (a) The lowest bid shall be the lowest bid price on the base contract without consideration of the prices on the additive or deductive items.

X (b) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items that were specifically identified in the bid solicitation or Bid Proposal Form as being used for the purpose of determining the lowest bid price.

_____ (c) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items taken in order from a specifically identified list of those items that, when in the solicitation, and added to, or subtracted from, the base contract, are less than, or equal to, a funding amount publicly disclosed by the District before the first bid is opened.

_____ (d) The lowest bid shall be determined in a manner that prevents any information that would identify any of the bidders or the proposed Subcontractors or suppliers from being revealed to the public entity before the ranking of all bidders from lowest to highest has been determined.

If no method is checked, sub-paragraph (a) shall be used to determine the lowest bid.

Notwithstanding the method used by the District to determine the lowest responsible bidder, the District retains the right to add to or deduct from the Contract any of the items included in the bid solicitation.

37. Bid Protest. Any bid protest must be in writing and received by the District Office before 5:00 PM no later than three (3) working days following bid opening and shall comply with the following requirements:

- a. The bid protest must contain a complete statement of the basis for the protest and all supporting documentation.
- b. The party filing the protest must have actually submitted a bid for the Project. A Subcontractor of a bidder submitting a bid for the Project may not submit a bid protest. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
- c. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based.
- d. The protest must include the name, address and telephone number of the person representing the protesting bidder.

- e. The bidder filing the protest must concurrently transmit a copy of the bid protest and all supporting documentation to all other bidders with a direct financial interest which may be affected by the outcome of the protest, including all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
 - f. The bidder whose bid has been protested may submit a written response to the bid protest. Such response shall be submitted to the District before 5 PM no later than two (2) working days after the deadline for submission of the bid protest or receipt of the bid protest, whichever is sooner, and shall include all supporting documentation. Such response shall also be transmitted concurrently to the protesting bidder and to all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.
 - g. The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest, including filing a Government Code claim or legal proceedings.
 - h. If the District determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards by the District.
 - i. A "working day" for purposes of this section means a weekday during which the District's office is open and conducting business, regardless of whether or not school is in session.
38. Code Review, Permit. Contract(s) shall be responsible for providing documents for code review (if required). Contract shall submit and pay for permit, and be responsible for permit inspections.
39. Proposal Evaluation. A Contract for the Project pursuant to this RFP, if any, will be awarded to the lowest responsible bidder determined by the Base Bid set forth in the Bid Form that is Appendix D to this RFP. If the bid solicitation requires alternate bids for additive or deductive items, or both, the Contract award shall be made to the lowest responsible bidder based on the either the base bid or the alternate bids, with consideration of the additive or deductive items. Demonstrated design and Title 24 control experience, as well as favorable references from similar projects will be a consideration in the award.

Winning bidders

Contractors and subcontractors on funded projects will be required to furnish certified payroll records directly to the Department of Industrial Relations in accordance with Labor Code Sections 1771.4(a) and 1776. In addition, contractors and subcontractors must be registered with the Department of Industrial Relations in order to bid or work on any public works project. The Department maintains a list of registered contractors and subcontractors on its website at <https://efiling.dir.ca.gov/PWCR/Search>.

Contractor will be required to furnish three (3) references for similar projects with public entities in the state of California, at least one of which must be a school district. See Form in Exhibit 12.

At the time of contract award, contractor(s) shall be required to submit manufacturers' specification sheets and product details for any of the equipment they intend to provide.

A complete proposal must include all of the items on the Bidder's Checklist.

Bidder Qualifications

Bidders for this SOW will be expected to provide the following evidence of qualification for this project:

- A. Copy of their State of California contractor's license(s); this may mean more than one "C" type license based on the scope of work
- B. Proof of existing Registration with the Department of Industrial Relations (DIR) for both contractors and their subcontractors.
- C. Proof of Liability Insurance
- D. Proof of a Contractor Bond in the amount of \$15,000.
- E. Statement of the ability to secure payment and performance bonds for this specific project

Rebates Eligible Products

Contractor shall provide products that are eligible for PG&E rebates if such items are listed.

For all catalog rebates, please refer to the PG&E rebate catalogs for rebate requirements.

<http://www.pge.com/en/mybusiness/save/rebates/byequipment/index.page>

http://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/rebatesincentives/schools_catalog.pdf

BIDDER’S CHECKLIST

The following items must be included with all bids. Bids lacking any of the required items will be rejected. The checklist items should be delivered in order in the proposal package:

#	Document	Included with proposal? Y / N
1	Cover letter with signature of authorized company officer summarizing the scope on which the company is bidding and a summary of the main components of the price.	
2	This bidder’s checklist, completed	
3	Copy of business license(s) – all necessary “C” licenses	
4	Proof of insurance	
5	Proof of the ability to obtain payment and performance bonds	
6	Completed bid forms for various measures	

C. Schedule of Events

The estimated timetable for the bidding period and the work is as follows (subject to change by the District):

Bidders' Conference and site walkthrough (NO SCHOOL DAY)	Thursday, October 26, 2017	9 AM Lighting
Q&A by contractor	Monday, October 30, 2017	
Q&A Responses published	Thursday, November 02, 2017	
Bids Due	Tuesday, November 07, 2017	
Review of bids and interviews with select bidders; references checked	Tuesday, November 14, 2017	
Contract Discussions with intended bidders and contracts finalized (approximately)	Tuesday, November 21, 2017	
Board approval	Friday, December 01, 2017	
Bid Result Posted on District's website	Monday, December 04, 2017	
Target for start of project implementation	Friday, December 15, 2017	
Winter Break start	Thursday, December 21, 2017	Exterior lighting and HVAC (Tstats)
Winter break ends	Friday, January 05, 2018	Exterior lighting and HVAC (Tstats)
Summer starts	Friday, June 15, 2018	Interior lighting to begin/ 6 weeks duration
Project Completion	Monday, July 30, 2018	All projects completed

Appendix A- Project Manual, Specifications

All proposals for providing the goods and services in SOW shall comply with the most recent applicable versions of the California Title 24, CA Building Codes and Standards. Excerpts from 2016 Title 24 are provided in Appendix B of the SOW, but bidders are responsible for understanding all relevant and current aspects of Title 24.

1. Project Summary

EEM – Interior/Exterior LED Lighting, Interior/Exterior Lighting Controls

- Interior LED Lighting BASE Bid - Provide a bid for a total of (236) LED recessed fixtures at Discovery Prep and (239) LED recessed fixtures at Mosaic Elementary and (6) LED T8 lamps.
- Interior LED Lighting ALTERNATE Bid - Provide a bid for a total of (236) LED retrofit kits at Discovery Prep and (239) LED retrofit kit at Mosaic Elementary and (6) LED T8 lamps.
- Interior Lighting T24 Controls – Provide a bid for upgrading interior lighting controls to Title 24 standards when necessary.
- Exterior LED Lighting – Provide a bid for a total of (25) LED exterior fixtures at Discovery Prep and (21) LED exterior fixtures at Mosaic Elementary.
- Exterior Lighting T24 Controls – Provide a bid for upgrading exterior lighting controls to Title 24 standards.

Provide all equipment, labor, and materials for a lighting upgrade. Include all installation of proposed upgrades and removal of existing fixtures. Include design, permits and inspections, and applicable taxes and fees.

Successful bidder will perform a final lighting survey to confirm all requirements. Before ordering equipment, bidders must supply details of product name, manufacturer and model # for each product proposed.

2. General Lighting Requirements

2.1 2016 BUILDING ENERGY EFFICIENCY STANDARDS

(California Title 24, Part 6)

Note: This is only an excerpt of a version of Title 24. The contractor is responsible for understanding and adhering to the current version of Title 24.

The 2016 Building Energy Efficiency Standards commonly known as Title 24, Part 6 can be found on the California Energy Commission's website here:

<http://www.energy.ca.gov/2015publications/CEC-400-2015-037/CEC-400-2015-037-CMF.pdf>

In addition, the California Statewide Codes & Standards Program is an additional resource that can be used to aid in understanding of codes and standards set forth by Title 24, Part 6. The Energy Code Ace website is the vehicle through which they provide free tools and resources, such as triggers sheets. They are funded by utility customers under the California Public Utilities Commission and the major investor owned utilities. The previously mentioned trigger sheets can be found on their website here:

https://energycodeace.com/content/resources-ace/file_type=trigger-sheet

2.2 REQUIRED LIGHTING LEVELS FOR VARIOUS TASKS

(Reference: IES recommendation list from the 10th Edition IES Handbook)

Building Area & Task	Average Maintained Footcandles (Horizontal) (FC)	Range of Maintained Footcandles (Horizontal) (FC)	Average Maintained Footcandles (Vertical) (FC)	Range of Maintained Footcandles (Vertical) (FC)	Comments
EDUCATIONAL (SCHOOLS)					
Classroom	40	30 - 50			@30" AFF
Gymnasium					
Class I (Pro or Div. 1 College)	125		30		
Class II (Div. 2 or 3 College)	80		20		
Class III (High School)	50		150		
Class IV (Elementary)	30		100		
Auditorium	7.5	3 - 10	5	2.5 - 10	
Corridor	25	10 - 40			

2.3 REBATE PROGRAM REQUIREMENTS

Note: Rebates are available for certain fixture types, including low- and high-bay, track, surface, pendant and recessed downlights. Fixtures or retrofit kits in all bids must be on the State of California approved list and PG&E's approved list at:

<http://caioulightingqpl.com/>

For all catalog rebates, please refer to the PG&E rebate catalogs for rebate requirements.

http://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/rebatesincentives/schools_catalog.pdf

http://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/incentivesbyindustry/lighting_catalog_final.pdf

2.4 LIGHT DESIGN REQUIREMENTS

Exterior Lighting: Replace Exterior Lighting Fixtures

Contractor shall provide all labor and materials to replace all exterior lights with appropriate LED fixtures and lamps. If the new fixture's footprint is different than the fixture to be replaced, and leaves apparent marks on the building façade, contractor is responsible for painting and patching to match building's finish.

Contractor shall ensure that exterior lighting retrofit design is in accordance with IES RO-33-14: Lighting for Exterior Environments and CEC-400-2012-004-CMF-REV2: Title 24 Part 6 Building Energy Efficiency Standards. The exterior lighting should provide suitable light levels, minimize energy consumption, allow for night-time safety and utility, be controlled according to Title 24 requirements, and minimize adverse impacts such as glare and obtrusive light.”

All equipment provided must be on PG&E's approved list at: <http://caioulightingqpl.com/>

For all catalog rebates, please refer to the PG&E rebate catalogs for rebate requirements (pg 11-12)

<http://www.pge.com/en/mybusiness/save/rebates/byequipment/index.page>

Exterior Lighting: Controls

The three sensor technologies listed here may be required by Title 24 in retrofit situations.

- All installed outdoor lighting shall be controlled by a photocell or astronomical time clock control, or other control capable of automatically shutting off the outdoor lighting when the daylight is available.
- All installed outdoor lighting shall be independently controlled from other electrical loads by an automatic scheduling control.
- All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls that meet all of the following requirements:
 - Shall be motion sensors or other lighting control systems that automatically controls lighting in accordance with Item B in response to the area being vacated of occupants; and
 - Shall be capable of automatically reducing the lighting power of each luminaire by at least 40 percent but not exceeding 90 percent, or provide continuous dimming through a range that includes 40 percent through 90 percent, and
 - Shall employ auto-ON functionality when the area becomes occupied; and
 - No more than 1,500 watts of lighting power shall be controlled together.

Photocells

All new exterior fixtures shall be specified with photocell sensors. Photocell sensors will detect when the sun rises and sets and will ensure that the fixture is turned off during the day. Contractor shall avoid placing photocells in shaded areas.

Time Clocks

Time clocks are to be installed if there are no existing timeclocks or if existing timeclocks are not compatible with other controls or fixtures. A time clock shall be installed concurrently with the photocells so that the lights can be shut down during the daylight hours even though the photocell may detect that the area appears dark. (The three sensor technologies listed here are required by Title 24 in most retrofit situations.) Sensor installations may be on each fixture individually or included at a site level through an EMS control strategy, but a complete and working system for controlling the lights is required. This strategy and how it will be implemented must be fully explained in the proposal.

Occupancy Sensors

Occupancy sensors shall also be provided and will turn the individual fixtures on to full brightness when the sensor detects movement, heat, or both.

Interior Lighting: Linear Fluorescent to LED

Contractor shall provide all labor and material to replace T8 troffer and wraparound fixtures with LED troffer or surface-mount replacement fixtures or retrofit kits. It is the contractor's responsibility, however, to make sure that the post-retrofit lighting system provides the amount of lighting necessary to match the primary task performed in each room. In most cases, a lighting system upgrade will trigger California Building Code (otherwise known as Title 24). To ensure compliance with Title 24, all mandatory measures pertaining to Altered Lighting Systems will need to be followed.

Rebates are available for certain fixture types, including low- and high-bay, track, surface, pendant and recessed downlights. Fixtures or retrofit kits must be on PG&E's approved list at:

<http://caioulightingqpl.com/>

Proposals shall also adhere to the following PG&E requirements at this link to ensure that deemed LED troffer rebates are obtained:

[http://caioulightingqpl.com/Downloads/CA/LED Troffer Deemed Rebate Product Qualification and Rebate Changes external 071516 final.pdf](http://caioulightingqpl.com/Downloads/CA/LED_Troffer_Deemed_Rebate_Product_Qualification_and_Rebate_Changes_external_071516_final.pdf)

See Appendix A for recommendations on replacement fixtures for the district's existing fixtures.

For all catalog rebates, please refer to the PG&E rebate catalogs for rebate requirements (pg 9 -15)

http://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/rebatesincentives/schools_catalog.pdf

Interior Lighting: Controls

The three sensor technologies listed here may be required by Title 24 in retrofit situations. Sensor installations may be on each fixture individually. However, all fixtures should result in greater than 35%

reduction in power utilizing the Rated Power Reduction Method and likely will not require multi-level lighting controls or automatic daylighting controls.

Daylighting System

Contractor shall provide all materials and labor for a daylight harvesting system that maximizes the potential to reduce interior lighting energy use while the space is occupied. The daylight sensors shall react to light levels and the light emitted from each fixture associated with a sensor shall automatically adjust accordingly to apply a uniform, consistent light level across the space. The design and functioning of the system shall be based on a coherent and sensible strategy. (As a possible reference refer to Daylighting Pattern Book, Lighting Research Center, 2010.) Note that daylighting controls are now required in certain spaces by Title 24.

Dimming System

Contractor shall provide all labor and materials necessary to assure the new lighting systems the ability to decrease lighting levels in individual rooms from full brightness down to 10% brightness. See Appendix A for room-by-room details.

The system shall allow the light in the room to be tailored to a specific activity: examples would include full bright for lab time and dimmed down for smart board or projector based lessons. Title 24 code specifies how many “steps” or levels of dimming are required for a particular space type.

Vacancy System

Contractor shall provide all materials and labor to equip certain rooms with occupancy/vacancy sensors. (See Appendix A for room-by-room details). In order to limit the occurrence of “false-offs,” sensors shall employ both technologies, (sometimes known as “Dual Technology Sensors): Passive Infrared (PIR), which detects large motions, and Ultrasonic, which can detect smaller motions. Contractor shall make sure the sensor has a clear view to all areas for proper operation and can cover the space required. Any ceiling mounted occupancy sensors shall only be installed in large, open areas where their high position reduces the likelihood furniture, like TV stands or book cases, will block the sensor's view. Each fixture will have its own, integral occupancy sensor.

Whenever possible, install wall-switch occupancy sensors that can replace a normal wall switch without special wiring.

Note: Title 24 now requires occupancy-based lighting controls for most interior spaces.

3. Detailed List of all items in the Lighting scope of work

Rocketship ESD – Discovery Prep Exterior Lighting

Line #	Existing Lighting			Proposed Lighting (A)		Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Description	Qty	Description	Qty	Description	Qty
1	Building Facade	32W CFL Wall Pack	5	LED Wall Pack	5	-	1	T24 Controls (P+M)	5
2	Building Facade	150W MH Wall Pack	5	LED Wall Pack	5	-	1	T24 Controls (P+M)	5
3	Shade Structure	2-lamp (SM) Fluorescent Fixture	3	LED Canopy Fixture	3	-	-	T24 Controls (P+M)	3
4	Parking Lot	250W MH Pole Fixture	12	LED Retrofit Kit	12	-	1	T24 Controls	12

Rocketship ESD – Discovery Prep Interior Lighting

Line #	Existing Lighting			Proposed Lighting (A)			Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Base	Alternate	Qty	Description	Qty	Description	Qty
1	Admin Offices 102	3-lamp (T) Fluorescent Fixture	5	LED Fixture	Retrofit Kit	5	(C) Occupancy Sensor	1	T24 Controls	1
2	Hallway 1st Floor	3-lamp (T) Fluorescent Fixture	12	LED Fixture	Retrofit Kit	12	(C) Occupancy Sensor	2	T24 Controls	2
3	Hallway 1st Floor - Elevator Zone	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	-	-	T24 Controls	1
4	Office 103	1-lamp (T) Fluorescent Fixture	6	LED Fixture	Retrofit Kit	6	(W) Occupancy Sensor	1	T24 Controls	1
5	Conference Room 104	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(W) Occupancy Sensor	1	T24 Controls	1
6	Custodian 105	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	-	-	T24 Controls	1
7	MPR 106-2	3-lamp (T) Fluorescent Fixture	19	LED Fixture	Retrofit Kit	19	(C) Occupancy Sensor	2	T24 Controls	2
8	MPR 106-1	3-lamp (T) Fluorescent Fixture	6	LED Fixture	Retrofit Kit	6	(C) Occupancy Sensor	1	T24 Controls	1

Line #	Existing Lighting			Proposed Lighting (A)			Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Base	Alternate	Qty	Description	Qty	Description	Qty
9	Classroom 107	3-lamp (T) Fluorescent Fixture	7	LED Fixture	Retrofit Kit	7	(W) Occupancy Sensor	1	T24 Controls	1
10	Classroom 108	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
11	Boys R/Rs 109	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
12	Girls R/Rs 110	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
13	Servery 111	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4	(W) Occupancy Sensor	1	T24 Controls	1
14	Boys R/Rs 112	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
15	Girls R/Rs 113	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
16	Classroom 114	3-lamp (T) Fluorescent Fixture	7	LED Fixture	Retrofit Kit	7	(W) Occupancy Sensor	1	T24 Controls	1
17	Classroom 115	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
18	Classroom 116	3-lamp (T) Fluorescent Fixture	7	LED Fixture	Retrofit Kit	7	(W) Occupancy Sensor	1	T24 Controls	1
19	Classroom 117	3-lamp (T) Fluorescent Fixture	11	LED Fixture	Retrofit Kit	11	(W) Occupancy Sensor	1	T24 Controls	1
20	Classroom 117 - Storage	2-lamp (SM) Fluorescent Fixture	1	2-lamp Tubular LED	-	1	-	-	-	-
21	Classroom 118	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
22	Hallway 2nd Floor	3-lamp (T) Fluorescent Fixture	12	LED Fixture	Retrofit Kit	12	(C) Occupancy Sensor	2	T24 Controls	2
23	Hallway 2nd Floor - Stairs near 203	3-lamp (T) Fluorescent Fixture	5	LED Fixture	Retrofit Kit	5	(C) Occupancy Sensor	1	T24 Controls	1
24	Hallway 2nd Floor - Stairs near 219	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4	(C) Occupancy Sensor	1	T24 Controls	1
25	Boys R/Rs 201	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
26	Girls R/Rs 202	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1

Line #	Existing Lighting			Proposed Lighting (A)			Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Base	Alternate	Qty	Description	Qty	Description	Qty
27	Classroom 203	3-lamp (T) Fluorescent Fixture	7	LED Fixture	Retrofit Kit	7	(W) Occupancy Sensor	1	T24 Controls	1
28	Boys R/Rs 204	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
29	Girls R/Rs 205	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
30	Office 208	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
31	Staff Room 209	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
32	Staff Room 209 - R/Rs #1	3-lamp (SM) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	-	-	T24 Controls	1
33	Staff Room 209 - R/Rs #2	3-lamp (SM) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	-	-	T24 Controls	1
34	Office 210	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4	(W) Occupancy Sensor	1	T24 Controls	1
35	Classroom 211	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
36	Classroom 212	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
37	Classroom 213	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
38	Classroom 214	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
39	Classroom 215	3-lamp (T) Fluorescent Fixture	7	LED Fixture	Retrofit Kit	7	(W) Occupancy Sensor	1	T24 Controls	1
40	Classroom 216	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
41	Classroom 217	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
42	Office 218	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
43	Classroom 219	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1

Rocketship ESD – Mosaic Elementary Exterior Lighting

Line #	Existing Lighting			Proposed Lighting (A)	
	Location	Description	Qty	Description	Qty
1	Building Facade	32W CFL Wall Pack	6	LED Wall Pack	6
2	Building Facade	150W MH Wall Pack	5	LED Wall Pack	5
3	Parking Lot	250W MH Pole Fixture	10	LED Retrofit Kit	10

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
-	1	T24 Controls (P+M)	6
-	1	T24 Controls (P+M)	5
-	1	T24 Controls	10

Rocketship ESD – Mosaic Elementary Interior Lighting

Line #	Existing Lighting			Proposed Lighting (A)		
	Location	Description	Qty	Base	Alternatre	Qty
1	Admin 114	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4
2	Office 108	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2
3	Office 108 - Storage	13W Compact Fluorescent Lamp	1	Replacement LED Lamp	-	1
4	Office 109	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2
5	Hallway 1st Floor	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10
6	Hallway 1st Floor - R/Rs Zone	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1
7	Girls Restroom 110	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2
8	Boys Restroom 111	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2
9	Boys Restroom 112	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2
10	Girls Restroom 113	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
(W) Occupancy Sensor	1	T24 Controls	1
-	-	T24 Controls	1
-	-	-	-
-	-	T24 Controls	1
(W/C) Occupancy Sensor	2/2	T24 Controls	2/2
-	-	T24 Controls	1
(C) Occupancy Sensor	1	T24 Controls	1
(C) Occupancy Sensor	1	T24 Controls	1
(C) Occupancy Sensor	1	T24 Controls	1
(C) Occupancy Sensor	1	T24 Controls	1

Line #	Existing Lighting			Proposed Lighting (A)			Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Base	Alternatre	Qty	Description	Qty	Description	Qty
11	Classroom 102	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10	(W) Occupancy Sensor	1	T24 Controls	1
12	Data 101	2-lamp (SM) Fluorescent Fixture	1	2-lamp Tubular LED	-	1	-	-	-	-
13	Classroom 103	3-lamp (T) Fluorescent Fixture	5	LED Fixture	Retrofit Kit	5	(W) Occupancy Sensor	1	T24 Controls	1
14	Learning Lab 104	3-lamp (T) Fluorescent Fixture	20	LED Fixture	Retrofit Kit	20	(W) Occupancy Sensor	2	T24 Controls	2
15	Custodian 105	2x2' (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	-	-	T24 Controls	1
16	Servery 104	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4	-	-	T24 Controls	1
17	Classroom 118	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
18	Classroom 119	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
19	Classroom 120	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
20	Classroom 121	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
21	Classroom 122	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
22	Classroom 123	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
23	Storage 124	2-lamp (SM) Fluorescent Fixture	1	2-lamp Tubular LED	-	1	-	-	-	-
24	Hallway 2nd Floor - Stairs near CR102	3-lamp (T) Fluorescent Fixture	6	LED Fixture	Retrofit Kit	6	(C) Occupancy Sensor	1	T24 Controls	1
25	Hallway 2nd Floor - Stairs near CR123	3-lamp (T) Fluorescent Fixture	5	LED Fixture	Retrofit Kit	5	(C) Occupancy Sensor	1	T24 Controls	1
26	Hallway 2nd Floor	3-lamp (T) Fluorescent Fixture	9	LED Fixture	Retrofit Kit	9	(C) Occupancy Sensor	2	T24 Controls	2
27	Hallway 2nd Floor - R/Rs Zone	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(W) Occupancy Sensor	1	T24 Controls	1
28	Classroom 201	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10	(W) Occupancy Sensor	1	T24 Controls	1

Line #	Existing Lighting			Proposed Lighting (A)			Existing Controls		Proposed Controls (B)	
	Location	Description	Qty	Base	Alternatre	Qty	Description	Qty	Description	Qty
29	Classroom 202	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10	(W) Occupancy Sensor	1	T24 Controls	1
30	Office 203	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
31	Classroom 204	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10	(W) Occupancy Sensor	1	T24 Controls	1
32	Classroom 205	3-lamp (T) Fluorescent Fixture	10	LED Fixture	Retrofit Kit	10	(W) Occupancy Sensor	1	T24 Controls	1
33	Office 206	3-lamp (T) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
34	Staff Room 207	3-lamp (T) Fluorescent Fixture	6	LED Fixture	Retrofit Kit	6	(W) Occupancy Sensor	1	T24 Controls	1
35	Staff Room 207 - R/Rs #1	2-lamp (SM) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
36	Staff Room 207 - R/Rs #2	2-lamp (SM) Fluorescent Fixture	1	LED Fixture	Retrofit Kit	1	(W) Occupancy Sensor	1	T24 Controls	1
37	Classroom 208	3-lamp (T) Fluorescent Fixture	4	LED Fixture	Retrofit Kit	4	(W) Occupancy Sensor	1	T24 Controls	1
38	Boys Restroom 209	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
39	Girls Restroom 210	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
40	Boys Restroom 211	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
41	Girls Restroom 212	3-lamp (T) Fluorescent Fixture	2	LED Fixture	Retrofit Kit	2	(C) Occupancy Sensor	1	T24 Controls	1
42	Classroom 215	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
43	Classroom 216	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
44	Classroom 214	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
45	Classroom 217	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1
46	Classroom 218	3-lamp (T) Fluorescent Fixture	8	LED Fixture	Retrofit Kit	8	(W) Occupancy Sensor	1	T24 Controls	1

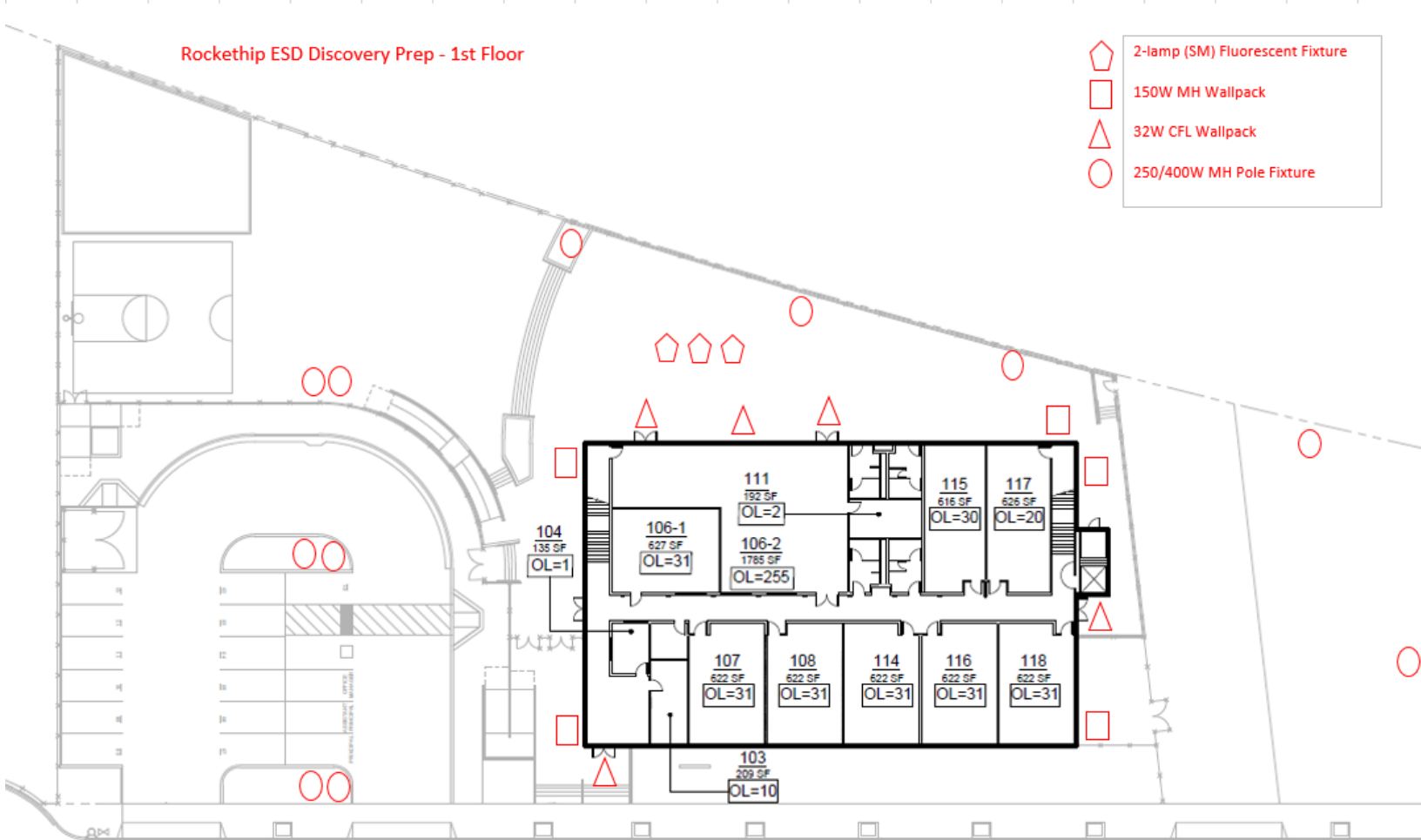
Legend	
(T)	Troffer
(SM)	Surface-mounted
(W)	Wall-mounted
(C)	Ceiling-mounted
(P)	Photocell Sensor
(M)	Motion Sensor
	<i>Daylighting Required</i>

4. Attachments

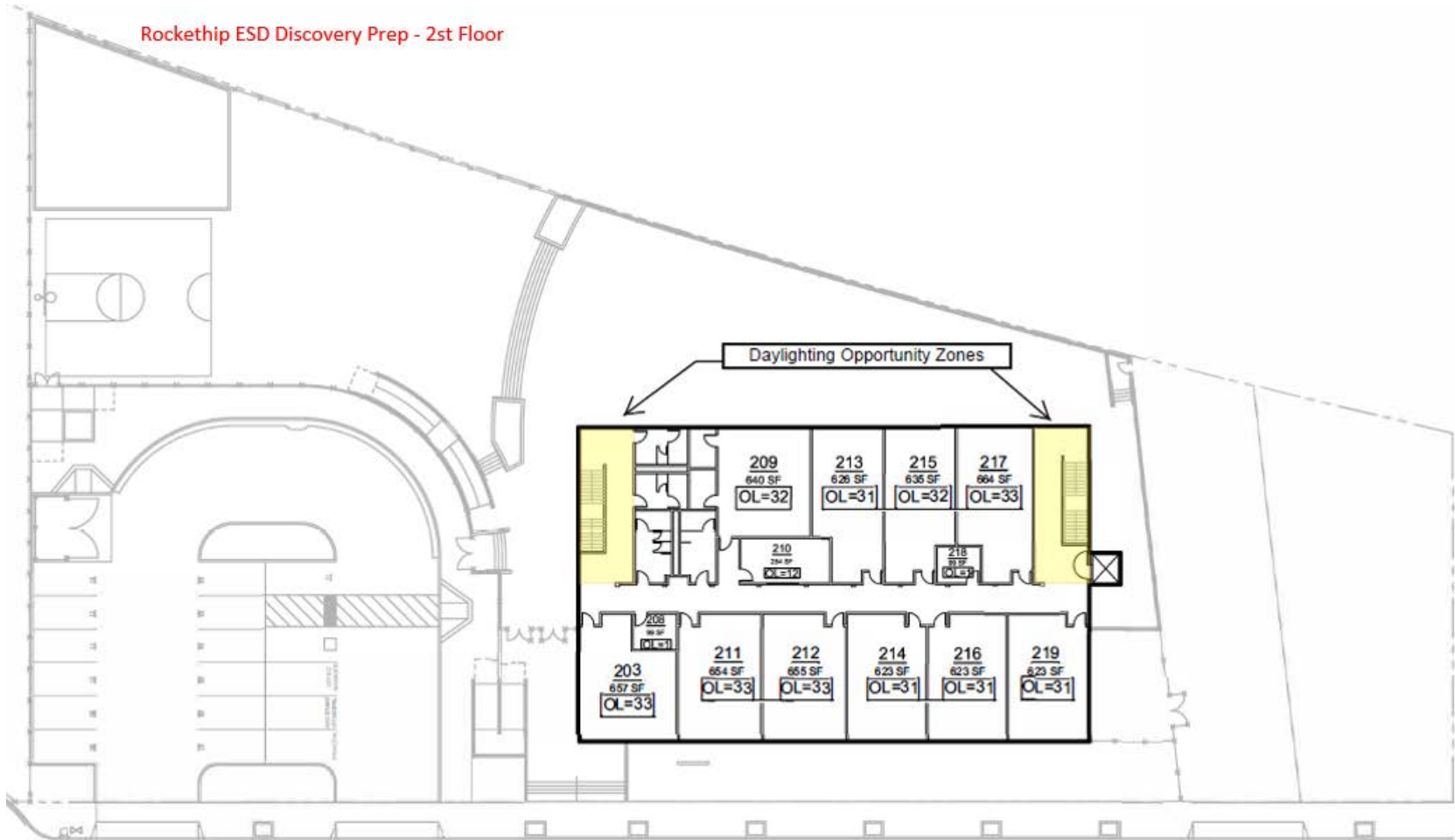
Rocketship ESD – Discovery Prep Site Map

Rockethip ESD Discovery Prep - 1st Floor

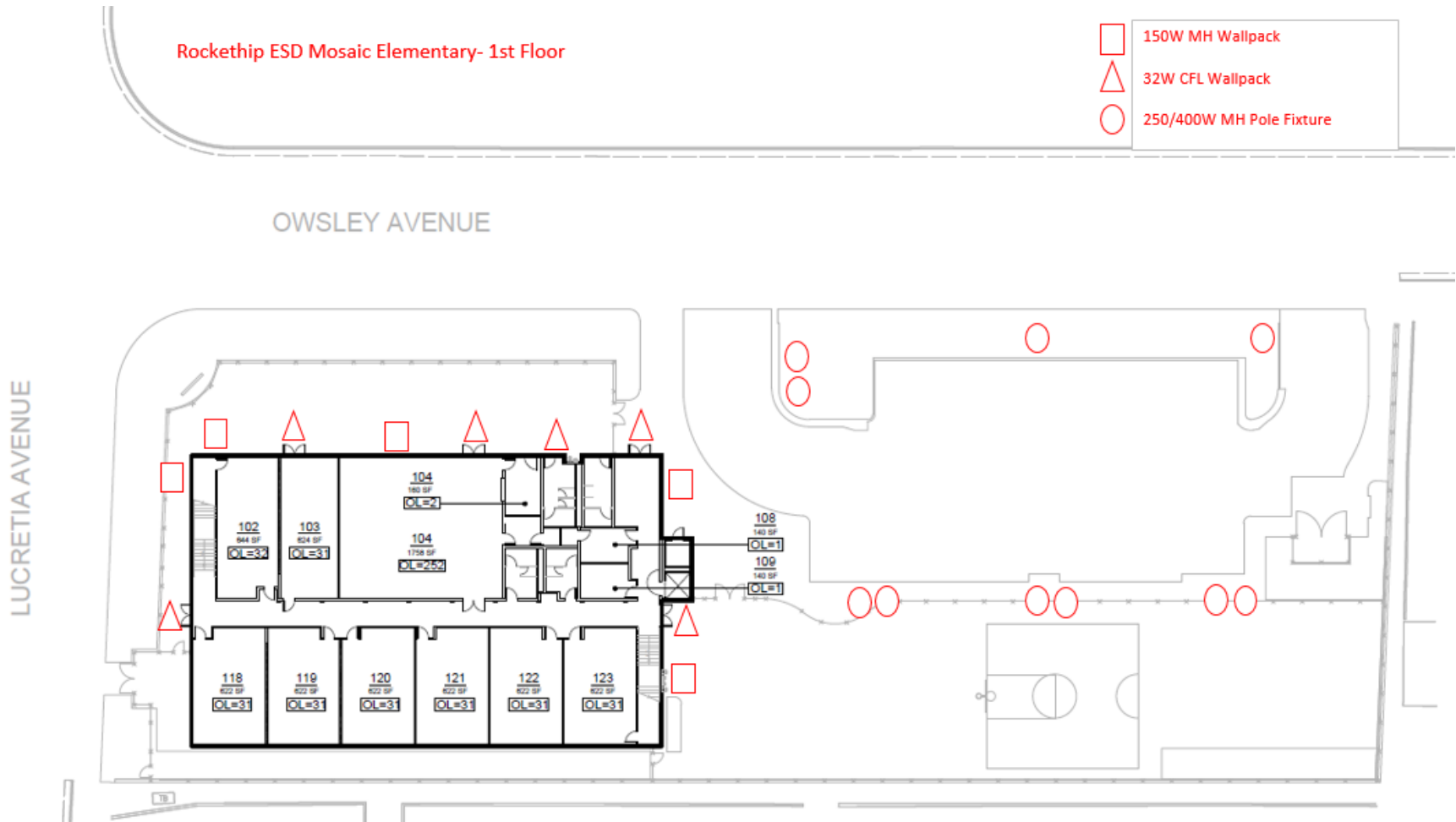
-  2-lamp (SM) Fluorescent Fixture
-  150W MH Wallpack
-  32W CFL Wallpack
-  250/400W MH Pole Fixture



Rockethip ESD Discovery Prep - 2st Floor



Rocketship ESD – Discovery Prep Site

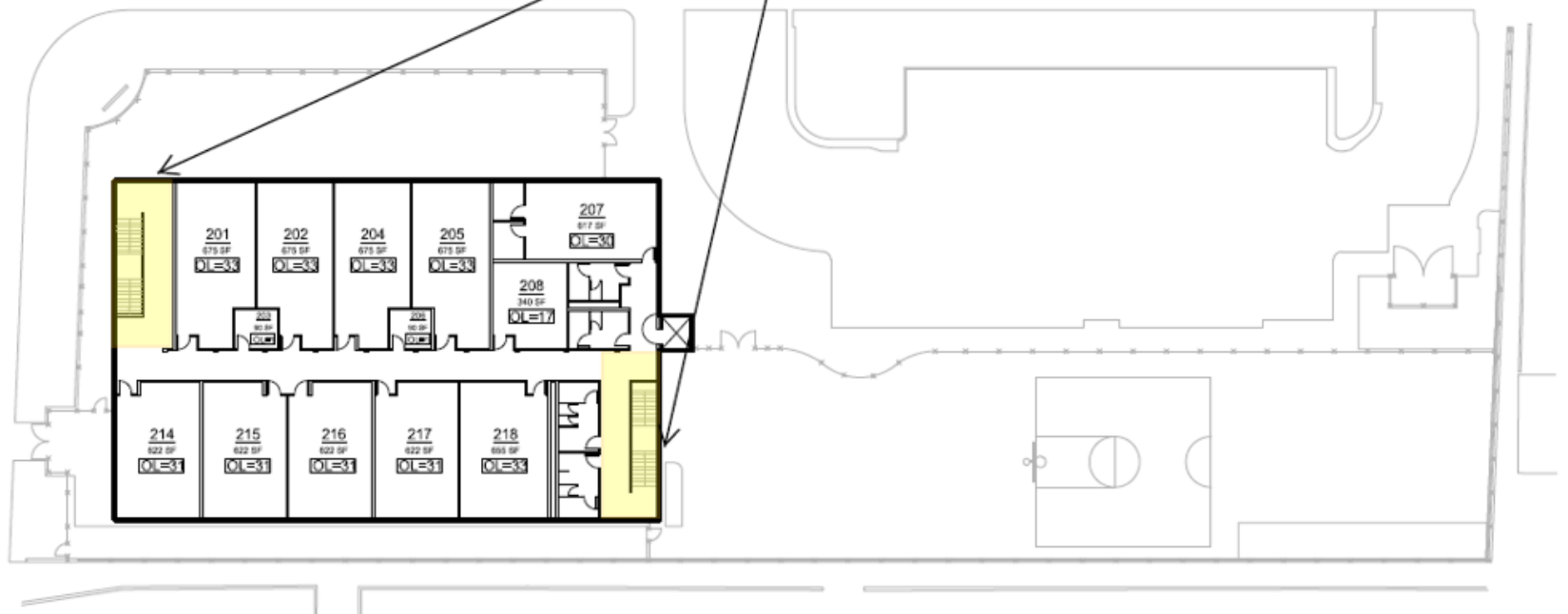


LUCRETIA AVENUE

OWSLEY AVENUE

Rockethip ESD Mosaic Elementary- 2st Floor

Daylighting Opportunity Zones



Appendix B- Contract Template

***District should provide actual contract upon solicitation**

This Contract (“Contract”) is made by and between the _____ District (“District”), and _____ (“Contractor”).

District and Contractor hereby agree as follows:

1. Description of Work

The Contractor agrees to furnish all labor, materials, equipment, tools, supervision, appurtenances, and services, including transportation and utilities, required to perform and satisfactorily complete all work required for the following project (“Project”) in full conformance with the Contract Documents: _____

2. Contract Documents

The Contract Documents consist of the executed Contract and all Addenda, all approved change orders, the completed Bid Form, the required Bonds and the Insurance forms, the Notice Inviting Bids, the Instructions to Bidders, the Notice of Award, the Notice to Proceed, the General Conditions and any supplemental conditions, the Technical Specifications, the Drawings, and _____.

3. Compensation

As full compensation for the Contractor's complete and satisfactory performance of the work and activities described in the Contract Documents, the District agrees to pay Contractor, and Contractor agrees to accept the sum of _____ Dollars (\$ _____), which shall be paid to the Contractor according to the Contract Documents.

4. Prevailing Wages

This Project is subject to prevailing wage requirements and Contractor and its Subcontractors are required to pay all workers employed for the performance of this Contract no less than the applicable prevailing wage rate for each such worker. Contractor acknowledges that the project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations in accordance with SB 854.

5. Time for Completion

The starting date of the Contract shall be the day listed by the District in the Notice to Proceed and the Contractor shall fully complete all the work before the expiration of _____ calendar days from the starting date. Time is of the essence in the performance of this Contract.

6. Liquidated Damages

Liquidated damages for the Contractor's failure to complete the Contract within the time fixed for completion are established in the amount of \$_____ per calendar day. _____

IN WITNESS WHEREOF, the parties agree to the terms of this Contract on the day and year written below.

District

Contractor

Resolution No. _____

Contractor License No. and Expiration Date

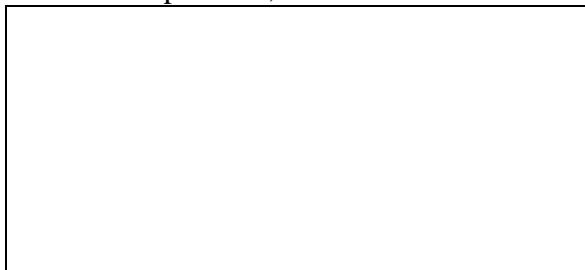
Date: _____

By: _____
Individual Signature

Title

Date

If Corporation, Place Seal Below.



For: _____
Corporation or Partnership

Appendix C- Non Collusion Declaration

To be executed by the bidder and submitted with the bid.

_____, declares and says that he or she is _____ of _____, the party making the foregoing bid, and affirms that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true and correct; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date: _____
Signature _____

State of _____
County of _____

Appendix D- Bid Proposal Form

Governing Board
_____ District

Dear Members of the Governing Board:

The undersigned, doing business under the name of _____, having carefully examined the location of the proposed work, the local conditions of the place where the work is to be done, the Notice Inviting Bids, the General Conditions, the Instructions to Bidders, the Plans and Specifications, and all other Contract Documents for the proposed _____ Project ("Project"), proposes to perform all work and activities in accordance with the Contract Documents, including all of its component parts, and to furnish all required labor, materials, equipment, transportation and services required for the construction of the Project in strict conformity with the Contract Documents, including the Plans and Specifications, as follows:

BASE BID-

For the sum of

_____ Dollars (\$ _____).

ADDITIVE/DEDUCTIVE ALTERNATE *[if applicable]*:

Additive/Deductive Alternate #1

Add/Subtract _____ Dollars (\$ _____)

Additive/Deductive Alternate #2 _____

Add/Subtract _____ Dollars (\$ _____)

Additive/Deductive Alternate #3 _____

Add/Subtract _____ Dollars (\$ _____)

The undersigned has checked carefully all the above figures and understands that the District is not responsible for any errors or omissions on the part of the undersigned in making this bid.

Enclosed find certified or cashier's check no. _____ of the _____ Bank for _____ Dollars (\$ _____) or Bidder's Bond of the _____ surety company in an amount of not less than zero percent (0%) of the entire bid. The undersigned further agrees, on the acceptance of this proposal, to execute the Contract and provide the required bonds

~~and insurance and that in case of default in executing these documents within the time fixed by the Contract Documents, the proceeds of the check or bond accompanying this bid shall be forfeited and shall become the property of the District.~~

Contractor agrees to commence the work within the time specified in the Notice to Proceed. It is understood that this bid is based upon completing the work within the number of calendar days specified in the Contract Documents.

ADDENDA:

Receipt of the following addenda is hereby acknowledged:

Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____

Respectfully submitted,

Company: _____

Address: _____

By: _____
(Please Print Or Type)

Signature: _____

Title: _____

Date: _____

Telephone: _____

Contractor's License No: _____ Expiration Date _____

Required Attachments: Subcontractor List Form
 Non-Collusion Declaration
 Pricing Breakout Form

Mosaic

Cost Breakout- provide both printed and excel electronic copies with Bid

Provide Make and Modcel # _____

Line #	Existing Lighting		Proposed Lighting (A)	
	Location	Qty	Description	
1	Building Facade	6	LED Wall Pack	
2	Building Facade	5	LED Wall Pack	
3	Parking Lot	10	LED Retrofit Kit	

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
-	1	T24 Controls (P+M)	6
-	1	T24 Controls (P+M)	5
-	1	T24 Controls	10

Cost (A)- Base	Cost (A) - retrofit	Cost (B)- Controls
\$ -	\$ -	\$ -

Line #	Existing Lighting		Proposed Lighting (A)	
	Location	Qty	Base	Alternatre
1	Admin 114	4	LED Fixture	Retrofit Kit
2	Office 108	2	LED Fixture	Retrofit Kit
3	Office 108 - Storage	1	Replacement LED Lamp	-
4	Office 109	2	LED Fixture	Retrofit Kit
5	Hallway 1st Floor	10	LED Fixture	Retrofit Kit
6	Hallway 1st Floor - R/Rs Zone	1	LED Fixture	Retrofit Kit
7	Girls Restroom 110	2	LED Fixture	Retrofit Kit
8	Boys Restroom 111	2	LED Fixture	Retrofit Kit
9	Boys Restroom 112	2	LED Fixture	Retrofit Kit

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
(W) Occ Sensor	1	T24 Controls	1
-	-	T24 Controls	1
-	-	-	-
-	-	T24 Controls	1
(W/C) Occ Sensor	2/2	T24 Controls	2/2
-	-	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1

Cost (A)- Base	Cost (A) - retrofit	Cost (B)- Controls

Line #	Existing Lighting		Proposed Lighting (A)	
	Location	Qty	Base	Alternatre
11	Classroom 102	10	LED Fixture	Retrofit Kit
12	Data 101	1	2-lamp Tubular LED	-
13	Classroom 103	5	LED Fixture	Retrofit Kit
14	Learning Lab 104	20	LED Fixture	Retrofit Kit
15	Custodian 105	1	LED Fixture	Retrofit Kit
16	Servery 104	4	LED Fixture	Retrofit Kit
17	Classroom 118	8	LED Fixture	Retrofit Kit
18	Classroom 119	8	LED Fixture	Retrofit Kit
19	Classroom 120	8	LED Fixture	Retrofit Kit
20	Classroom 121	8	LED Fixture	Retrofit Kit
21	Classroom 122	8	LED Fixture	Retrofit Kit
22	Classroom 123	8	LED Fixture	Retrofit Kit
23	Storage 124	1	2-lamp Tubular LED	-
24	Hallway 2nd Floor - Stairs near CR102	6	LED Fixture	Retrofit Kit
25	Hallway 2nd Floor - Stairs near CR123	5	LED Fixture	Retrofit Kit
26	Hallway 2nd Floor	9	LED Fixture	Retrofit Kit
27	Hallway 2nd Floor - R/Rs Zone	2	LED Fixture	Retrofit Kit
28	Classroom 201	10	LED Fixture	Retrofit Kit
29	Classroom 202	10	LED Fixture	Retrofit Kit
30	Office 203	1	LED Fixture	Retrofit Kit
31	Classroom 204	10	LED Fixture	Retrofit Kit
32	Classroom 205	10	LED Fixture	Retrofit Kit
33	Office 206	1	LED Fixture	Retrofit Kit
34	Staff Room 207	6	LED Fixture	Retrofit Kit

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
(W) Occ Sensor	1	T24 Controls	1
-	-	-	-
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	2	T24 Controls	2
-	-	T24 Controls	1
-	-	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
-	-	-	-
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	2	T24 Controls	2
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1

Cost (A)- Base	Cost (A) - retrofit	Cost (B)- Controls

Line #	Existing Lighting		Proposed Lighting (A)	
	Location	Qty	Base	Alternatre
35	Staff Room 207 - R/Rs #1	1	LED Fixture	Retrofit Kit
36	Staff Room 207 - R/Rs #2	1	LED Fixture	Retrofit Kit
37	Classroom 208	4	LED Fixture	Retrofit Kit
38	Boys Restroom 209	2	LED Fixture	Retrofit Kit
39	Girls Restroom 210	2	LED Fixture	Retrofit Kit
40	Boys Restroom 211	2	LED Fixture	Retrofit Kit
41	Girls Restroom 212	2	LED Fixture	Retrofit Kit
42	Classroom 215	8	LED Fixture	Retrofit Kit
43	Classroom 216	8	LED Fixture	Retrofit Kit
44	Classroom 214	8	LED Fixture	Retrofit Kit
45	Classroom 217	8	LED Fixture	Retrofit Kit
46	Classroom 218	8	LED Fixture	Retrofit Kit

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1

Cost (A)- Base	Cost (A) - retrofit	Cost (B)- Controls
\$ -	\$ -	\$ -

Legend	
(T)	Troffer
(SM)	Surface-mounted
(W)	Wall-mounted
(C)	Ceiling-mounted
(P)	Photocell Sensor
(M)	Motion Sensor
	<i>Daylighting Required</i>

Discovery

Cost Breakout- provide both printed and excel electronic copies with Bid

Provide Make and Model # _____

Line #	Existing Lighting	Proposed Lighting (A)	
	Location	Description	Qty
1	Building Facade	LED Wall Pack	5
2	Building Facade	LED Wall Pack	5
3	Shade Structure	LED Canopy Fixture	3
4	Parking Lot	LED Retrofit Kit	12

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
-	1	T24 Controls (P+M)	5
-	1	T24 Controls (P+M)	5
-	-	T24 Controls (P+M)	3
-	1	T24 Controls	12

Cost (A)-Base	Cost (A)-retrofit	Cost (B)-Controls
\$ -	\$ -	\$ -

Line #	Existing Lighting	Proposed Lighting (A)		
	Location	Base	Alternate	Qty
1	Admin Offices 102	LED Fixture	Retrofit Kit	5
2	Hallway 1st Floor	LED Fixture	Retrofit Kit	12
3	Hallway 1st Floor - Elevator Zone	LED Fixture	Retrofit Kit	1
4	Office 103	LED Fixture	Retrofit Kit	6
5	Conference Room 104	LED Fixture	Retrofit Kit	2
6	Custodian 105	LED Fixture	Retrofit Kit	2
7	MPR 106-2	LED Fixture	Retrofit Kit	19

Existing Controls		Proposed Controls (B)	
Description	Qty	Description	Qty
(C) Occ Sensor	1	T24 Controls	1
(C) Occ Sensor	2	T24 Controls	2
-	-	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
(W) Occ Sensor	1	T24 Controls	1
-	-	T24 Controls	1
(C) Occ Sensor	2	T24 Controls	2

Cost (A)-Base	Cost (A)-retrofit	Cost (B)-Controls

Appendix E- Subcontractor List Form

Each bidder shall list below the name and location of place of business for each Subcontractor who will perform a portion of the Contract work in an amount in excess of 1/2 of 1 percent of the total contract price. The nature of the work to be subcontracted shall also be described.

DESCRIPTION OF WORK #	NAME	LOCATION	LICENSE
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Appendix F- List of References

The following are the names, addresses, and telephone numbers of three (3) references for which BIDDER has performed similar work within the past three years. Public Agencies are preferred.

Reference 1

Name and Address of Owner

Name and Telephone Number of Person Familiar with Project

Contract Amount

Type of Work

Date Completed

Reference 2

Name and Address of Owner

Name and Telephone Number of Person Familiar with Project

Contract Amount

Type of Work

Date Completed

Reference3

Name and Address of Owner

Name and Telephone Number of Person Familiar with Project

Contract Amount

Type of Work

Date Completed
