McKim Design Group

ADDENDUM NO. 5

Planning • Design • Architecture

Page 1 of 2 DSA #01-120361 / File 43-7

<u>District Office- Tenant Improvement</u>

981 Ridder Park Drive, San Jose, CA 95131 MDG Project # 2203

MECHANICAL UPGRADES – BID #B-03-2022-23 ELECTRICAL UPGRADES – BID #B-04-2022-23 GENERAL CONSTRUCTION – BID #B-05-2022-23

November 10, 2022
Berryessa Union School District
SAN JOSE, CALIFORNIA

This Addendum forms a part of the Contract Documents and modifies and clarifies the Notice to Bidders as noted below. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

GENERAL BIDDING CLARIFICATION

Item #1: REVISED BID DATE - ELECTRICAL UPGRADES - Bid #B-04-2022-23

A. BID #B-04-2022-23 – ELECTRICAL UPGRADES – Revised bid date – The bid date has been changed to November 17, 2022, at 2:30PM.

SPECIFICATIONS CLARIFICATIONS

Item #1:

A. Section 00 21 13 – Instructions to Bidders – Replace the section in its entirety with the revised section 00 21 13 – Instructions to Bidders marked addendum 5. Clarified Bid proposal signature requirements.

Item #2:

B. Section 00 41 26 – Bid Form – Replace the section in its entirety with the revised section 00 41 26 – Bid Form marked addendum 5. Added second signature block and clarified signature requirements.

Item #3:

A. Section 00 43 13 – Bid Bond – Replace the section in its entirety with the revised section 00 43 13 – Bid Bond marked addendum 5. Included Bid package title & bid number.

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Item #4:

A. Section 01 10 12 – Bid Division Descriptions – Replace the section in its entirety with the revised section 01 10 12 – Bid Division Descriptions marked addendum 5. Revised Bid Division 3 (Electric Upgrades) information.

DRAWING CLARIFICATIONS

------ELECTRICAL & FIRE ALARM------

Item #1: Electrical Plan Sheets (17 pages)

A. Replace all Electrical Plans Sheets with the revised Electrical Plan Sheets marked addendum 5.

Item #2: Fire Alarm Plan Sheets (4 pages)

A. Replace all Fire Alarm Plans Sheets with the revised Fire Alarm Plan Sheets marked addendum 5.

Attachments:

Section 00 21 13 - Instructions to Bidders - Addendum 5

Section 00 41 26 - Bid Form - Addendum 5

Section 00 43 13 - Bid Bond - Addendum 5

Section 01 10 12 - Bid Division Descriptions

Electrical Plan Sheets - Addendum 5

Fire Alarm Plan Sheets - Addendum 5

End of Addendum #05

DOCUMENT 00 2113

INSTRUCTIONS TO BIDDERS

SECURING DOCUMENTS:

Drawings and Specifications are available for review and downloading online on September 16, 2022 at:

http://www.berryessa.k12.ca.us/OUR-DISTRICT/Business-Services/Purchasing/Current-Bids/index.html or Strawn Construction

Strawn Construction contact: Jim Wilson: jwilson@scmdinc.com 408-605-7240

Contact the Purchasing Department and/or Strawn Construction for any technical questions about bidding or bid documents.

BID FORMAT:

NOTE - A SEPARATE BID WITH A BID BOND AND ASSOCIATED DOCUMENTS ARE REQUIRED FOR EACH BID PACKAGE

Bids should be submitted using the District provided Bid Documents. Please include the following documents with your bid(s):

MECHANICAL UPGRADE PROJECT – BID #B-03-2022-23

- 00 41 26 Bid Form
- 00 43 13 Bid Bond
- 00 43 36 Designation of Subcontractors
- 00 43 40 Sufficient Funds Declaration
- 00 45 19 Non-Collusion Affidavit
- 00 45 32 Fingerprinting Notice and Acknowledgement

ELECTRICAL UPGRADE PROJECT – BID #B-04-2022-23

- 00 41 26 Bid Form
- 00 43 13 Bid Bond
- 00 43 36 Designation of Subcontractors
- 00 43 40 Sufficient Funds Declaration
- 00 45 19 Non-Collusion Affidavit
- 00 45 32 Fingerprinting Notice and Acknowledgement

GENERAL CONSTRUCTION - BID #B-05-2022-23

- 00 41 26 Bid Form
- 00 43 13 Bid Bond
- 00 43 36 Designation of Subcontractors

00 43 40 Sufficient Funds Declaration00 45 19 Non-Collusion Affidavit00 45 32 Fingerprinting Notice and Acknowledgement

PREQUALIFICATION:

This Project is not subject to prequalification.

SB854 REGISTRATION:

The Owner shall not accept any bid as of March 1, 2015, or enter into any contract as of April 1, 2015, without proof of the bidder's current registration to perform public work under Labor Code section 1725.5.

The bidder shall not accept any subbid as of March 1, 2015, or enter into any subcontract as of April 1, 2015, without proof of the subcontractor's current registration to perform public work under Labor Code section 1725.5.

BIDS:

Bids to receive consideration shall be made in accordance with the following instructions:

- 1. Bids shall be made on a form therefor, obtained from the Architect or Owner. Bids not made on the proper form shall be disregarded. Numbers must be stated in words and figures, and the signatures of all individuals must be in longhand.
- 2. No bid will be considered which makes exceptions, changes, or in any manner makes reservations to the terms of the drawings or specifications.
- 3. Questions regarding documents, discrepancies, omissions, or doubt as to meanings shall be referred immediately to the Architect who will send written instructions clarifying such questions to each bidder. Oral responses will not be binding on the Owner or Architect or any Construction Manager.
- 4. NOTE: Please note the signature requirements for each company type.

Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature.

Bids by Partnerships - must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature.

Bids by Corporations - must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the

signature and designation of the chairman of the board, president or any vice president, and **then followed by a second signature** by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. **Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.**

- 5. Pursuant to the provisions of Sections 4100 to 4114, inclusive, of the Public Contract Code of the State of California, which are hereby incorporated and made a part hereof and these Instructions to Bidders, every bidder shall set forth in its bid:
 - A. The name and location of the place of business and the California contractor's license number of each subcontractor who will perform work or labor or render service to the bidder in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the bidder, specially fabricates and installs a portion of the Work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half (½) of one percent (1%) of the bidder's total bid. An inadvertent error in listing a California contractor's license number shall not be grounds for filing a bid protest or for considering the bid nonresponsive if the bidder submits the corrected contractor's license number to the Owner within 24 hours after the bid opening, or any continuation thereof, so long as the corrected contractor's license number corresponds to the submitted name and location for that subcontractor.
 - B. The portion of the Work which will be done by each such subcontractor. 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 (½) of one percent (1%) of the bidder's total bid, the bidder agrees to perform that portion itself. The successful bidder shall not, without the consent of the Owner:
 - 1) Substitute any person as subcontractor in place of the subcontractor designated in the original bid.
 - 2) Permit any subcontract to be assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the bid.
 - 3) Sublet or subcontract any portion of the Work in excess of one-half (½) of one percent (1%) of the total bid as to which the original bid did not designate a subcontractor.

- 6. The Director of Industrial Relations of the State of California, in the manner provided by law, has ascertained the general prevailing rate of per diem wages and the rate for legal holidays and overtime work. The Contractor must pay for any labor therein described or classified in an amount not less than the rates specified. Copies of the required rates are on file at the Owner's business office and are available to any interested party on request.
- 7. All bids must be accompanied by a completed Noncollusion Declaration and Sufficient Funds Declaration (Labor Code § 2810). All bids must be accompanied by an executed Fingerprinting Notice and Acknowledgment.
- 8. Bids must be accompanied by a certified check, cashier's check, or bidder's bond, for an amount not less than ten percent (10%) of the amount of the base bid, made payable to the order of the Owner. If a bidder's bond accompanies the bid, said bond shall be secured by an Admitted Surety (an insurance organization authorized by the Insurance Commissioner to transact business of insurance in the State of California during this calendar year). The surety insurer must, unless otherwise agreed to by Owner in writing, at the time of issuance of the bond, have a rating not lower than "A-" as rated by A.M. Best Company, Inc. or other independent rating companies. Owner reserves the right to approve or reject the surety insurer selected by Contractor and to require Contractor to obtain a bond from a surety insurer satisfactory to the Owner. Said check or bond shall be given as a guarantee that the bidder will enter into the Contract if awarded the Work, and in case of refusal or failure to enter into said Contract, the check or bond, as the case may be, shall be payable to the Owner and retained as liquidated damages.
- 9. Bids shall be sealed and filed as indicated in the Notice to Bidders. Irrespective of how a bidder chooses to deliver the bid and other documents to the Owner, the bidder is responsible for ensuring that the bid and other documents are actually received at the location designated in the Contract Documents for receipt of the bid and other documents prior to the time for the bid opening. Bids and other documents for any reason not actually received at the designated location prior to the time for the bid opening shall not be opened or considered.
- 10. THIS CONTRACT IS NOT SUBJECT TO THE DVBE REQUIREMENTS OF EDUCATION CODE SECTION 17076.11.

WITHDRAWAL OF BIDS:

Bids may be withdrawn by bidders prior to the time fixed for the submittal of bids or any authorized postponement thereof. A successful bidder shall not be relieved of the bid unless by consent of the Owner or bidder's recourse to Public Contract Code §5100 et seq.

OPENING OF BIDS:

Opening of bids shall be as soon after the hour set as will be possible; opening and declaration to be as set forth in the Notice to Bidders. Any and all bidders will be permitted to attend.

EXAMINATION OF CONTRACT DOCUMENTS AND SITE:

Before submitting a bid, bidders shall examine the drawings, read the specifications, the form of Agreement between Contractor and Owner, and the other Contract Documents. Bidders shall visit the site of the proposed Work; examine the building, or buildings, if any, and any work that may have been done thereon. Bidders shall fully inform themselves of all conditions, in, at, and about the site, the building or buildings, if any, and any work that may have been done thereon.

Pursuant to Public Contract Code section 1104: 1) bidders shall not be required to assume responsibility for the completeness and accuracy of architectural or engineering plans and specifications, except on clearly designated design build projects; 2) however, bidders shall be required to review architectural or engineering plans and specifications prior to submission of their bids and to report any errors and omissions to the Architect or Owner; and 3) the review shall be confined to the bidder's capacity as a bidder and not as a licensed design professional.

FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR:

The form of Agreement between Owner and Contractor which the successful bidder will be required to execute, if awarded the Work, is a part of this Bid Package.

ADDENDA OR BULLETINS:

Any addenda or bulletins, issued during the time of bidding, shall form a part of the drawings and specifications loaned to the bidder for the preparation of its bid, shall be covered in the bid, and shall be made a part of the Contract Documents. All addenda or bulletins shall be signed by the Architect and approved by the Division of State Architect.

EVIDENCE OF RESPONSIBILITY:

Upon the request of Owner, a bidder shall submit promptly to the Owner or its designee satisfactory evidence showing the bidder's financial resources, the bidder's experience in the type of work required by the Owner, the bidder's organization available for the performance of the Contract, and any other required evidence of the bidder's or its subcontractor's qualifications to perform the proposed Contract. The Owner may consider such evidence before making its decision awarding the proposed Contract. Failure to submit evidence of the bidder's or its subcontractors' responsibility to perform the proposed Contract may result in rejection of the bid.

AWARD OF CONTRACT:

Rejection of any or all bids, to contract work with whomever and in whatever manner, to abandon work entirely, and/or to waive any informality in receiving of bids is reserved as the right of the Owner. Before the Contract(s) are awarded, the Owner may at its sole discretion, require from the proposed Contractor on the Project further evidence of the reasonable qualifications of such contractor to faithfully, capably, and reasonably perform such proposed Contract and may consider such evidence before making its decision on the award of such proposed Contract.

The Contract(s) shall be awarded to the lowest responsible and responsive bidder as interpreted by the Owner under California law and as specified herein and shall be entered into by the successful bidder within ten (10) days after mailing, faxing or delivery of the Notice of Award of Contract. Owner reserves the right, without any liability, to cancel the award of any bid for any reason at any time before the full execution of the Agreement between Owner and Contractor.

EXECUTION OF AGREEMENT BETWEEN OWNER AND CONTRACTOR:

The Agreement between Owner and Contractor shall be signed by the successful bidder in as many originals as the Owner deems necessary and returned, together with the required Contract bonds, insurance certificates, additional insured endorsement, declarations page, a Public Contract Code section 3006(a) Roof Project Certification, if required, and Independent Contractor Student Contact Form, within ten (10) days after the mailing, faxing or delivering of the Notice of Award of Contract. If the ten (10) day period would expire after the date for commencement of the Work, Contractor must submit the documents before the date of commencement of the Work. If the successful bidder does not comply with this paragraph, Owner may revoke and/or cancel the award to the successful bidder and award the Contract to the next lowest bidder, or may otherwise proceed as allowed by law. A Roof Project Certification is not required if (1) the Owner has ADA (average daily attendance) of 2,500 or less, or (2) the Project involves repair of 25% or less of the roof, or costs \$21,000 or less.

CONTRACT BONDS:

As required by the Contract Documents, two bonds, as itemized below and in the forms presented in these Contract Documents, shall be furnished by the successful bidder on the Project at the time of entering into the Contract and filed with the Owner before the successful bidder commences any work on the Project. They shall be in the form of surety bonds issued by Admitted Surety insurers (an insurance organization authorized by the Insurance Commissioner to transact business of insurance in the State of California during this calendar year). The surety insurers must, unless otherwise agreed to by Owner in writing, at the time of issuance of the bond, have a rating not lower than "A-" as rated by A.M. Best Company, Inc. or other independent rating companies. Owner reserves the right to approve or reject the surety insurers selected by Contractor and to require Contractor to obtain bonds from surety insurers satisfactory to the Owner.

Performance Bond in the amount of one hundred percent (100%) of the Contract Sum to insure Owner during construction, and for one year after completion and during any warranty or guaranty period, against faulty or improper materials or workmanship and to assure Owner of full and prompt performance of the Contract.

Payment Bond (Labor and Material) in the amount of one hundred percent (100%) of the Contract Sum in accordance with the laws of the State of California to secure payment of any and all claims for labor and materials used or consumed in performance of this Contract.

DRAWINGS, SPECIFICATIONS AND ADDENDA OR BULLETINS:

Drawings, Project Manuals, Specifications, Addenda and Bulletins will be posted on the District website at www.berryessa.k12.ca.us click on Business Services > Purchasing > Current Bids for updates. Staff recommends that all vendors periodically check the District current bid section on the website for updates and addenda during the bidding process.

SUBSTITUTION OF MATERIALS:

The Contractor must ensure that the proposed substitutions by the Contractor or its subcontractors are submitted to the Architect's office a minimum of fourteen (14) calendar days prior to the Bid Opening for review and possible approval of any equipment or materials thought to be equal to or better than those specified in the drawings or specifications. An addendum will be issued seven (7) calendar days prior to Bid Opening, including all equipment and materials deemed equivalent to those specified and approved by the Architect. Submittals shall include comparative spec-data of the specified equipment or material and the proposed substitution as set forth in the Contract Documents. Submittals without this information will be automatically rejected.

PAYMENTS:

Payments to the Contractor on account of the Contract shall be made in accordance with the terms of the Contract Documents.

TAXES:

The Owner is generally exempt from payment of Federal Excise Tax on materials. The Owner will furnish exemption certificates to the Contractor to be used to obtain materials ordinarily subject to Federal Excise Tax without payment of the tax. Bidder shall deduct Federal Excise Taxes from their bid prices before submitting bids, so that such taxes will not be included in the Contract Sum.

EARLY TERMINATION:

Notwithstanding any provision herein to the contrary, if for any fiscal year of this Contract the governing body of the Owner fails to appropriate or allocate funds for future periodic payments under the Contract after exercising reasonable efforts to do so, the Owner may upon thirty (30) days' notice, order work on the Project to cease. The Owner will remain obligated to pay for the work already performed but shall not be obligated to pay the balance remaining unpaid beyond the fiscal period for which funds have been appropriated or allocated and for which the work has not been done.

TIME OF COMPLETION AND LIQUIDATED DAMAGES:

Time of Completion for the Project shall be as follows:

Sixty-three (63) consecutive calendar days after receipt of the District's Notice to Proceed.

Liquidated damages will accrue and may be assessed as provided in the Contract Documents. Should said Work not be Completed within the time limit as may be extended as herein provided (i.e., the Completion deadline), damages will be sustained by the Owner. It is understood and agreed that it is and will be impracticable or extremely difficult to determine the actual amount of damages which the Owner will sustain in the event of and by reason of such delay, and it is therefore agreed that the Contractor will pay the Owner the sum of **One Thousand Dollars (\$1,000.00) per calendar day** for each and every day's delay beyond the Completion deadline as and for liquidated damages, during or as a result of each calendar day by which Completion of the Project is delayed beyond the Completion deadline; in case the Contractor fails to make such payment, the Owner may deduct the amount thereof from any money due or that may become due the Contractor under the Contract. Should such money not be sufficient, the Owner shall have the right to recover the balance from the Contractor or its Sureties.

BID PROTEST PROCEDURE

Any bidder may file a bid protest. The protest shall be filed in writing with the Purchasing and Contracts Manager not more than ONE (1) business day after the date of the bid opening. An e-mail address shall be provided and by filing the protest, the protesting bidder consents to receipt of e-mail notices for purposes of the protest and protest related questions and protest appeal, if applicable. The protest shall specify the reasons and facts upon which the protest is based.

<u>Resolution of Bid Controversy:</u> Once the bid protest is received, the apparent lowest responsible bidder will be notified of the protest and the evidence presented. If appropriate, the apparent low bidder will be given an opportunity to rebut the evidence and present evidence that the apparent low bidder should be allowed to perform the work. If deemed appropriate by the District, an informal hearing will be held. District will issue a written decision within fifteen (15) calendar days of receipt of the protest, unless factors

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beyond the District's reasonable control prevent such resolution. The decision on the bid protest will be copied to all parties involved in the protest.

<u>Appeal</u>: If the protesting bidder or the apparent low bidder is not satisfied with the decision, the matter may be appealed to the Assistant Superintendent of Business Services, or their designee, within three (3) business days after receipt of the District's written decision on the bid protest. The appeal must be in writing and sent via overnight registered mail with all accompanying information relied upon for the appeal and an email address from which questions and responses may be provided to:

Berryessa Union School District Attn: Assistant Superintendent of Business Services 1376 Piedmont Rd San Jose, CA 95132

Appeal Review: The Assistant Superintendent of Business Services or their designee shall review the decision on the bid protest from the Purchasing and Contracts Manager and issue a written response to the appeal, or if appropriate, appoint a Hearing Office to conduct a hearing and issue a written decision. The written decision of the Purchasing and Contracts Manager shall be rendered within fifteen (15) calendar days and shall state the basis for the decision. The decision concerning the appeal will be final and not subject to any further Appeals.

Reservation of Rights to Proceed with Project Pending Appeal. The District reserves the right to proceed to award the Contract for the Project and commence construction pending an Appeal. If there is State Funding or a critical completion deadline, the District may choose to shorten the time limits set forth in this Section due to the urgency of proceeding with work if written notice is provided to the protesting party. E-mailed notice with a written confirmation sent by First Class Mail shall be sufficient to constitute written notice. If there is no written response to a written notice shortening time, the District may proceed with the award.

<u>Finality</u>. Failure to comply with this Bid Protest Procedure shall constitute a waiver of the right to protest and shall constitute a failure to exhaust the protesting bidder's administrative remedies.

END OF DOCUMENT

DOCUMENT 00 41 26

BID FORM – ELECTRICAL UPGRADES

Berryessa Union School District 1376 Piedmont Rd. San Jose, CA 95132

Dear Board Members:

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nereby	propose	and	agree	to	enter	into	a	Contract,	to	Turnish	any	and	ali	labor,	materials	

applicable taxes, equipment and services for the completion of Work described hereinafter and in

New District Office Electrical Upgrades Bid # B-04-2022-23

the Contract Documents:

prepared by: McKim Design Group for the amount of:

The undersigned doing business under the firm name of:

1	Dollars	
	Amount in Words	\$
	Base Bid – Electrical Upgrades	
2		
	Seventy-Five Dollars	
	Allowance for Unforeseen Conditions	\$75,000.00
3		
	Dollars	
	Total Amount in Words	\$
	Base Bid + Allowance	

11.1.6.1 UNIT PRICES

Any and all additional work and/or deductions shall be based on the Unit Prices. DO NOT INCLUDE THE UNIT PRICING IN YOUR BASE BID.

N/A

COURSE-OF-CONSTRUCTION INSURANCE REQUIREMENTS 11.1.6.2

Contractor, during the progress of the Work and until final acceptance of the Work by Owner upon completion of the entire Contract, shall maintain Builder's Risk/Course-of-Construction insurance satisfactory to the Owner, issued on a completed value basis on all insurable Work included under the Contract Documents. This insurance shall insure against all risks, including but not limited to the following perils: vandalism, theft, malicious mischief, fire, sprinkler leakage, civil authority, sonic boom, explosion, collapse, flood, earthquake (for projects not

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solely funded through revenue bonds, limited to earthquakes equivalent to or under 3.5 on the Richter Scale in magnitude), wind, hail, lightning, smoke, riot or civil commotion, debris removal (including demolition) and reasonable compensation for the Architect's services and expenses required as a result of such insured loss. This insurance shall provide coverage in an amount not less than the full cost to repair, replace or reconstruct the Work. Such insurance shall include the Owner, the Architect, and any other person or entity with an insurable interest in the Work as an additional named insured.

The Contractor shall submit to the Owner for its approval all items deemed to be uninsurable under the Builder's Risk/Course-of Construction insurance. The risk of the damage to the Work due to the perils covered by the Builder's Risk/Course-of-Construction insurance, as well as any other hazard which might result in damage to the Work, is that of the Contractor and the surety, and no claims for such loss or damage shall be recognized by the Owner, nor will such loss or damage excuse the complete and satisfactory performance of the Contract by the Contractor.

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:
Our Public Liability and Property Damage Insurance is placed with:
Our Workers' Compensation Insurance is placed with:
Circular letters, bulletins, addenda, etc., bound with the specifications or issued during the time of bidding are included in the bid, and, in completing the Contract, they are to become a part thereof.
The receipt of the following addenda to the specifications is acknowledged:
Addendum No Date Addendum No Date Addendum No Date
This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected. Any bid not containing the above information

may be considered nonresponsive and may be rejected.

NOTE: Please note the signature requirements for each company type.

Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature.

Bids by Partnerships - must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature.

Bids by Corporations - must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and **then followed by a second signature** by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. **Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.**

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

CONTRACTOR Name of Company as Licensed: Business Address: Telephone Number: California Contractor License No.: Class and Expiration Date: DIR Number: ____ State of Incorporation: _____ () Evidence of authority to bind corporation is attached. Dated: _____ Signed: Title (if Corporation Chairman, President Its: Title (if Corporation Secretary, Assistant Or Vice President) Secretary, Chief Financial Officer, Treasurer, or Assistance Treasurer

END OF DOCUMENT

DOCUMENT 00 43 13

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we the undersigned as Principal and as
Surety, are hereby held and firmly bound unto the Berryessa Union School District ("Owner") in the sum of Dollars (\$) for payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.
The condition of the above obligation is such that whereas the Principal has submitted to the Owner a certain bid, attached hereto and hereby made a part hereof, to enter into a Contract in writing for the construction of Tenant Improvements at the New District Office Project – Bid Division – Electrical Upgrades B-04-2022-23 in strict accordance with Contract Documents.
NOW, THEREFORE,
a. If said bid shall be rejected, or, in the alternative;
b. If said bid shall be accepted and the Principal shall execute and deliver a contract in the form of agreement attached hereto and shall execute and deliver Performance and Payment Bonds in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the agreement created by the acceptance of said bid;
Then this obligation shall be void, otherwise the same shall remain in full force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of this obligation as herein stated.
Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract on the call for bids, or to the Work to be performed hereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the Work, or to the specifications.
IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under several seals this day of, 202, the name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body. In the presence of:

(Notary Seal)	
	(Principal)
	(Business Address)
	(Corporate Surety)
	Business Address)
	By:
The rate or premium of this bond is amount of premium charged, \$	per thousand, the total
(The above must be filled	d in by Corporate Surety).
END OF	F DOCUMENT

DOCUMENT 01 10 12

BID DIVISION DESCRIPTIONS

PART 1 - GENERAL

1.1 Section Includes

A. Descriptions of Bid Divisions.

1.2 Related Sections

A. Section 01 11 00 - Summary of Work.

1.3 DESCRIPTIONS OF BID DIVISIONS

- A. For the purpose of clarity, the scope of work for each Bid Division has been divided into three categories: "INCLUDED", "ALSO INCLUDED", and "EXCLUDED".
 - 1. Items listed under "INCLUDED" are the standard and/or "conventional" work scope of each Bid Division.
 - 2. Information provided under "ALSO INCLUDED" points out some items which may be considered less obvious or "unconventional," but which are included in the work scope of a particular Bid Division. (Information under this heading is not always necessary to delineate a Bid Division.)
 - 3. Information provided under the heading "EXCLUDED" is for the purpose of indicating beginning and termination points, and/or to provide an understanding of fringe involvements included in Bid Divisions. (Information under this heading is not always necessary to delineate a Bid Division.)
- B. Bid Divisions are the categories of Work into which the Project will be divided for bidding and construction. Bid Divisions should not be confused with Specification Sections.
 - 1. Bid Division Descriptions (Section 01 11 12) are a written description of the Scope of the Work included in each of the Bid Divisions.
 - 2. Bid Division Descriptions have been written to clearly define each Bid Division. Contractors are encouraged to request information or clarification by calling the Construction Manager. The Owner will not be responsible for a Contractor's incorrect interpretation of the Descriptions.
 - 3. Although each Bid Division involves a standard segment of

- "conventional" trade contracting, multiple contract project delivery requires that adjustments be made to permit the completion of each Bid Division as a separate segment of construction. Each Contractor shall carefully review the total scope of responsibilities with respect to the Work of the Bid Division(s), and shall provide for the total scope in Contractor's Bid Division Proposal.
- 4. Each Contractor shall become familiar with the work scopes of all other Bid Divisions which interface with the Bid Division of which a proposal is being submitted. Each Contractor shall consider that the work of Contractor's Bid Division(s) may follow the work of another Bid Division, that other Contractors may perform work after the work of Contractor's Bid Division(s), and that other Contractors may work simultaneously with the work of Contractor's Bid Division(s). Each Contractor shall include provisions for such sequencing and scheduling, and for cooperation and coordination with such other Contractors in the Bid Proposal.
- 5. Nothing contained in the Bidding Documents, including the Bid Division descriptions, shall be construed by Bidders as an assignment of work to any construction industry trade. Each Bidder is responsible for Bidder's own work assignments within the Bid Division.

1.4 BID DIVISION DESCRIPTIONS

A. BID DIVISION 1: MECHANICAL UPGRADES – B-03-2022-23

1. Included: The work under this contract includes but not limited to: Demolition of the existing ductwork, grilles, registers, T-stats, mixing boxes and controls. Provide and install new ductwork, mixing boxes, grilles, and registers. The contractor will also provide testing, adjustments, and balancing. The HVAC controls will be provided and installed by the District's EMS vendor. The mechanical contractor will coordinate the EMS work with the District's EMS vendor. Also included in this bid division is all labor and materials required to complete the plumbing work as detailed on plan sheet P1.0 and shown on the Plumbing material & fixture selections information included in Addendum 2.

Division 01	General Requirements
Division 02	Existing Conditions & Demolition
07 27 00	Firestopping
23 00 00	Mechanical General Requirements
23 05 00	Heating Ventilating Air Conditioning
23 05 93	Testing Adjusting Balancing
	Plumbing material & fixture selections

Also included but not limited to:

Provide As-built drawings (for this Bid Division) showing original contract, change order work, RFI'S and any other additional work.

All construction included in this Bid Divisions shall be in accordance with all documents, all organizations having jurisdiction, and all other, applicable design criteria.

Any cutting and patching necessary to install conduits, boxes, and raceways for Bid Division.

Provide roof jacks to the Bid Division 3 contractor for any roof penetrations need to perform the Bid Division 1 work.

Provide access panels to the Bid Division 3 contractor as needed for the Bid Division 1 work.

Provide all labor and material to install condensate lines for all new and existing HVAC equipment.

Provide coordination with other Bid Divisions, District Maintenance staff and District vendors.

Excluded:

Bid Division 2 work Bid Division 3 work 23 09 22 Climate Management Control For HVAC

A. BID DIVISION 2: ELECTRICAL UPGRADES – B-04-2022-23

1. **Included:** The work under this contract includes but not limited to: Selective demolition of existing outlets, switches, abandoned power circuits & cabling, security cabling, data cabling and panels. Provide and install new panels, light fixtures (both new and OFCI), switches, outlets, and line voltage for new equipment for all bid divisions. The contractor will also provide all fire alarm work included in this bid division.

Division 01	General Requirements
Division 02	Existing Conditions & Demolition
07 27 00	Firestopping
26 05 00	General Electrical Requirements
26 05 19	Line Voltage Wire and Cable
26 05 26	Grounding
26 05 33	Outlet, Junction and Pull Boxes
26 05 42	Conduits, Raceways and Fittings
26 05 50	Through-Penetration Firestopping for Electrical Systems
26 24 16	Panelboards and Distribution Panels
26 27 26	Devices Wiring

26 28 16	Circuit Breakers
26 51 00	Lighting
27 51 17	Assistive Listening Device - Portable
28 31 00	Fire Alarm System

Also included but not limited to:

Provide As-built drawings (for this Bid Division) showing original contract, change order work, RFI'S and any other additional work.

Provide shop drawings for review and approval prior to installation of any power, tele or data outlets, including elevations showing the proposed location and height of all power, tele & data outlets.

Provide all labor and materials to install OFCI light fixtures on the entire first floor and second floor lobby.

Coordinate the installation of any power, tele or data outlets in casework with the casework contractor.

Provide all labor and material to install any in-floor boxes or in-floor outlets as shown on E6.2, including all saw-cutting and/or coring and patch-back for any in-floor boxes or outlets.

All construction included in this Bid Divisions shall be in accordance with all documents, all organizations having jurisdiction, and all other, applicable design criteria.

Any cutting and patching necessary to install conduits, boxes, and raceways for this Bid Division.

Provide all labor and materials to install tele/data raceways, conduits and outlets as shown on 1/E6.1.

Provide coordination with other Bid Divisions, District Maintenance staff and District vendors.

Provide roof jacks to the Bid Division 3 contractor for any roof penetrations need to perform the Bid Division 2 work.

Provide access panels to the Bid Division 3 contractor as needed for the Bid Division 2 work.

Provide temporary power and lighting for all Bid Divisions, District Maintenance staff and District vendors.

Provide line voltage for new or existing equipment installed and/or relocated by this and all other Bid Divisions.

MDF room - Provide line voltage for the existing UPS power strip & disconnect. Provide line voltage to the existing HVAC unit.

MDF room – Provide a minimum of four (4) 120v quad outlets in the MDF room. Provide a minimum of four (4) dedicated circuits. Location and mounting height to be determined by the BUSD IT Director.

Board Room – BOE Dias – Provide a minimum of seven (7) power/data outlets. Location and mounting heights to be determined by BUSD IT Director. Coordinate pathways and box location with casework contractor.

Provide all labor and material to remove and dispose of any existing power circuits, power cabling/wiring, security cabling/wiring, data cabling/wiring, or devices not shown to be re-used.

Excluded:

Bid Division 1 work

Bid Division 3 work

Supply, installation, termination & testing of data cabling and fiber.

Supply and installation of data rack in MDF room.

Supply and installation of data outlets as shown on E6.2, details 1,2 &3.

A. BID DIVISION 3: GENERAL CONSTRUCTION—B-05-2022-23

1. **Included:** The work under this contract includes but not limited to: Selective demolition of existing ceiling grid & tiles, walls, etc. Provide and install new metal stud walls, gypsum board, ceiling grid & tiles, ceramic tile in Men's restroom, new & existing doors, door hardware, glazing, storefront door, and interior painting. Casework, plumbing, Civil work, flooring & fire sprinklers not part of these contract.

General Requirements
Existing Conditions & Demolition
Finish Carpentry
Insulation
Firestopping
Joint Sealers
Standard Steel Frames
Wood Doors
Aluminum Entrances and Storefronts
Door Hardware
Glazing
Gypsum Board Systems
Metal Studs- Non Load Bearing
Ceramic Tile
Acoustical Suspension Systems

09 51 14	Acoustical Ceilings – Lay-in
09 67 23	Resinous Flooring – Epoxy
09 91 00	Painting

Also included but not limited to:

Provide As-built drawings (for this Bid Division) showing original contract, change order work, RFI'S and any other additional work.

All construction included in this Bid Divisions shall be in accordance with all documents, all organizations having jurisdiction, and all other, applicable design criteria.

Any cutting and patching necessary to install conduits, boxes, and raceways for Bid Division

Provide all labor and material to install blocking as needed for casework, toilet partitions, wall-mounted accessories, mechanical and electrical equipment for all Bid Divisions.

Provide all labor and material to install access doors for all Bid Divisions.

Provide all labor and material to install roof jacks for all Bid Divisions.

Provide continuous clean up. Provide one laborer all day each Friday for a weekly jobsite cleanup (broom clean).

Provide coordination with other Bid Divisions, District Maintenance staff and District vendors.

Provide labor for the daily securing of the site at the end of each workday.

Excluded:

Bid Division 1 work

Bid Division 2 work

05 52 00 – Handrails and Railings

06 41 00 – Custom Casework

09 65 13 – Resilient Base and Accessories

09 68 13 – Carpet Tiles

10 14 10 – Room Signage

10 14 11 – Restroom Signage

31 00 00 – Earthwork

Division 32 work

CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK

CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BULT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.

ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" ECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING

8. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.

9 ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF EXTERIOR CONDUITS RUN ITO BUILDINGS SHALL BE INSTALLED WITH FLASHING CALLIKED AND SEALED CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.

10. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12S WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.

11. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NO

12. ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.

13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID

14. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.

FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.

16. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE

17 ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE CUIT AND PATCH EXISTING WALLS WHERE NECESSARY WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE.

18. WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT U NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.

19. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER

21. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.

WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.

23. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ARCHITECT BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ARCHITECT. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE ARCHITECT. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.

24. UNLESS SPECIFICALLY SHOWN ON THESE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT. DRILLED NOR NOTCHED WITHOUT PRIOR AUTHORIZATION IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD AND DSA

25. CONTRACTOR SHALL COORDINATE PLANS AND SPECIFICATIONS FOR ALL OTHER DISCIPLINES FOR ADDITIONAL SCOPE OF WORK THAT MAY NOT BE SHOWN HERE. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM ENTIRE SCOPE OF WORK HAS BEEN INCLUDED."

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS FLUORESCENT OR LED LUMINAIRE -SEE SCHEDULF 0 SECURITY DOOR CONTACTS HMD→ SECURITY MOTION DETECTOR EMERGENCY OR NIGHT LIGHT 0 HSCI⊲ CCTV CAMERA STRIP FLUORESCENT OR LED LUMINAIRE SEE SCHEDULE LUMINAIRE - RECESSED - SEE SCHEDULE H KP SECURITY SYSTEM KEYPAD \Box RECESSED WALL WASHER ΗO DOOR BELL PUSHBUTTON НСН DOOR CHIME WITH LED LUMINAIRE - SURFACE MOUNTED -SEE SCHEDULE Ф RECEPTACLE - DUPLEX * •0 LUMINAIRE - POLE OR POST MOUNTED -LUMINAIRE - WALL MOUNTED SEE SCHEDULE Ю BOLLARD OR PATH LIGHT - SEE SCHEDULE n EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE # RECEPTACLE DOUBLE DUPLEX* TRACK LIGHTING - SEE SCHEDULE HALF SWITCHED DUPLEX RECEPTACLE * EMERGENCY LIGHT SINGLE RECEPTACLE* DIGITAL DUAL TECHNOLOGY OCC. SENSOR

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER -GFCI CONVENIENCE RECEPTACLE - DUPLEX* GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT Φ DUPLEX RECEPTACLE - CEILING MOUNTED LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE * Ф LETTER INDICATES DUPLEX FULLY ⊚ FLOOR MOUNTED DUPLEX RECEPTACLE

 \odot ₽ POWER OUTLET - SEE PLANS FOR NEMA TYPE* POWER POLE WALL TELEPHONE OUTLET ** ∇ V VOICE/DATA WALL OUTLET★ VOICE/DATA OUTLET MOUNTED ABOVE **Y** SURFACE MOUNTED VOICE/DATA WALL OUTLET # SURFACE MOUNTED VOICE/DATA OUTLET X MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT -**(a)**≻

WIRELESS ACCESS POINT (WAP) -CEILING MOUNTED VOICE/DATA OUTLET - FLOOR MOUNTED \mathbf{A} VOICE/DATA OUTLET - CEILING MOUNTED S INTERIOR SPEAKERS CEILING MOUNTED

KS) INTERIOR SPEAKERS WALL MOUNTED CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION Ю

PANELBOARD - FLUSH MOUNTED EQUIPMENT PANEL - FLUSH MOUNTED PANEL BOARD - SURFACE MOUNTED

222 FOUIPMENT PANEL - SURFACE MOUNTED \longrightarrow METER W/ CURRENT TRANSFORMER

JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES ⊕/ю Ø MOTOR CONNECTION

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NON-FUSED DISCONNECT SWITCH FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFGR'S NAMEPLATE DATA

COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFGRS NAMEPLATE DATA

MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED CIRCUIT BREAKER

GROUND ROD WITH GROUNDWELL BOX

GROUND ELECTRODE

NORMALLY OPEN CONTACT NORMALLY CLOSED CONTACT

TRANSFORMER - SEE SINGLE LINE FOR SIZE

ELEX CONDUIT WITH CONNECTION

CONDUIT - UP

CONDUIT - DOWN

— E — CONDUIT EMERGENCY SYSTEM

- I V - I OW VOLTAGE WIRING

SURFACE METAL OR NON-METALLIC RACEWAY

CONDUIT - CONCEALED IN WALLS OR CEILING ----- CONDUIT - EXISTING

CONDUIT - BELOW SLAB OR

CAPPED OR STUB-OUT CONDUIT

CONDUIT CONTINUATION

CONDUIT - HOME RUN TO PANEL TERMINAL CONDUIT - HOME RON TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE, CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG

SHEET NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET $\langle 3 \rangle$ SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET

2 DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL

FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETAIL F301

ARCHITECT

CONDUIT CABLE TV

CIRCUIT

CEILING

DIMMER

DIMENSION

EQUIPMEN'

FIRE ALARM

FIRE ALARM

FOOT CANDLE

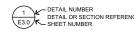
FUTURE GENERAL CONTRACTOR

CENTER LINE

CONDUIT ONLY CENTER

CIRCUIT BREAKER

CLOSED CIRCUIT TV



- INDICATES QUANTITY OF TELEPHONE OUTLET

-INDICATES QUANTITY OF DATA OUTLETS

ABBREVIATIONS

NOT TO SCALE OVERALL HEIGHT ON CENTER NTS OAH OC OH PA PB GROUND FAULT GFCI GFI ABOVE FINISHED FLOOR INTERRUPTING GND, G GRS GROUND GALVANIZED RIGID OVERHEAD PUBLIC ADDRESS POWER FACTOR PF PH PIR PNL PV PVC IC IDF INTERMEDIATE DISTRIBUTION FRAME IVE INFRARED INCANDESCENT JUNCTION BOX OVOLTAIC KILOVOLT KILOVOLT AMPERES CHLORIDE KW LCP LIGHTING CONTROL RELOCATED REMOVABLE POLE LTG LIGHTING RECPT'S RECEPTACLES LOW VOLTAGE REQUIRED LV KCM REQMT'S REQUIREMENT(S) THOUSAND CIRCULAR MILS SHEET SINGLE LINE DIAGRAM SYSTEMS TERMINATION SHT SLD STC ELECTRICAL CONTRACTOR MAIN CIRCUIT BREAKER CABINET MINIMUM CIRCUIT AMPS MDF MAIN DISTRIBUTION FRAME MECHANICAL TELEPHONE TERMINAL MH MLO MPOE MTD MTG MOCP METAL HALIDE
MAIN LUGS ONLY
MAIN POINT OF ENTRANCE
MOUNTED
MOUNTING ELECTRICAL VEHICLE UNDERGROUND LTAGE DROF

FIRF ALARM

STROBE ONLY

HORN ONL

MINI HORN

HORN/STROBE

(I) HEAT DETECTOR

SMOKE DETECTOR

CARBON MONOXIDE ALARM

ň

ARCH AWG

CB CCTV CKT

EQUIP

FACE

NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIES AND MOUNTING HEIGHTS

(NL) NO. NOM

P MANUAL PULL STATION DUCT SMOKE DETECTOR APS AUXILIARY POWER SUPPLY TAMPER SWITCH FSA FIRE SYSTEM ANNUNCIATOR FLOW SWITCH FTR FIRE ALARM TRANSPONDER OR TRANSMITTER POST INDICATING VALVE ESR ELEVATOR STATUS/RECALL FIRE SMOKE DAMPER FAC FIRE ALARM COMMUNICATOR CHIME/STROBE BELL (GONG) REMOTE ANNUNCIATORS

FCP FIRE ALARM CONTROL PANEL

EOL FND OF LINE

* +15" A.F.F. TO BOTTOM OF BOX, U.O.N ** +48" A.F.F. TO TOP OF BOX, U.O.N. [#] NUMBER IN BRACKETS DENOTES NUMB OF CABLE DROPS WHEN MORE THAN (2)

WEATHERPROOF

XFMR

EQUIPMENT ANCHORAGE

M/E/P COMPONENT ANCHORAGE NOTES:

0

<

DRC

PC

RC

LCP

(1)

\$

\$s

③

\$>.

32

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LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED

DIMMER ROOM CONTROLLER

ROOM LIGHTING CONTROLLER

PLUG LOAD CONTROLLER

LIGHTING CONTROL PANEL

DIGITAL DAYLIGHT SENSOR

SINGLE POLE SWITCH **

THREE WAY SWITCH**

FOUR WAY SWITCH**

LIGHTING DIMMER ++

DIGITAL MULTI SCENE

MANUAL MOTOR STARTER

KEY OPERATED SWITCH **

DIGITAL ON/OFF SWITCH **

DIGITAL DIMMER SWITCH **

DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **

WALL OCCUPANCY SENSOR **

DOUBLE SWITCHED WALL OCCUPANCY SENSOR **

DIMMING DUAL TECHNOLOGY
WALL SWITCH OCCUPANCY SENSOR **

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 & 30:

ALL PERMANENT EQUIPMENT AND COMPONENTS.

TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED(e.g. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 120 / 220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED IN THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FELXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHTING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT

B. COMPONENTS WEIGHTING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT OF THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5. 13.6.6. 13.6.7, 13.6.8 AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION THE ME HOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCT LIVE FOR THE IDENTIFIED DISTRIBUTION. SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PRE-APPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOSSITE PRIOR TO THE STATT OF AND DURING THE HANDIGK AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANDER AND BRACE LOAD.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ■ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #)

APPLICABLE CODES & STANDARDS

CODES:

1. 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1

2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.

2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.

4. 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.

5. 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AME

6 2019 CALIFORNIA ENERGY CODE C.C.R. TITLE 24 PART 6

7 2019 CALIFORNIA FIRE CODE (CEC) C.C.R. TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IEC) WITH CALIFORNIA AMENDMENTS

8. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.

9. 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.

10. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

11. NATIONAL FIRE ALARM CODE (NFPA 72) 2016

STANDARDS:

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)

4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) 5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)

6. UNDERWRITER LABORATORIES (UL)

7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX.

E0.2 CALIFORNIA ENERGY COMPLIANCE TITLE 24 - INDOOR

E1.1 EXISTING ELECTRICAL SINGLE LINE DIAGRAM & LIGHT FIXTURE SCHEDULE.

E1.2 PANELBOARD SCHEDULES.

E3.1 ELECTRICAL DEMOLITION PLAN - FIRST FLOOR.

E3.2 ELECTRICAL DEMOLITION PLAN - SECOND FLOOR

E3.3 ELECTRICAL DEMOLITION REFLECTED CEILING PLAN-FIRST FLOOR. E3.4 ELECTRICAL DEMOLITION REFLECTED CEILING PLAN SECOND FLOOR

E3.5 ELECTRICAL DEMOLITION PLAN - ROOF. E4.1 POWER & SYSTEM PLAN - FIRST FLOOR.

E4.2 POWER & SYSTEM PLAN - SECOND FLOOR

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E6.3 ELECTRICAL DETAILS.

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FA1.1 FIRE ALARM RISER DIAGRAM, BATTERY & VOLTAGE DROP CALCULATIONS.

FA4.1 FIRE ALARM PLAN - FIRST FLOOR

FA4.2 FIRE ALARM PLAN - SECOND FLOOR

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval



Engineer Seal



AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00 60 Garden Court

Suite 210

Monterey, CA 93940

T.831.646.3330 • F.831.646.3336 • www.acemb.com

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Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

No	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
<u>√</u> 5	Addendum No. 5	Nov. 3, 2022

SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX

2203

Drawing Title

July 19, 2022 Drawing Numbe

CD

E0.1



rate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scapes using the

Area Category 14,223

 Conditioned Spaces
 Unconditioned Spaces

 02
 03
 04
 05

 Calculation Method
 Area (ft²)
 Calculation Method
 Area (ft²)

April 2011

Indoor Lighting

CERTIFICATE OF COMPLIANCE

New Lighting System

Altered Lighting System

Project Name: District Office Ti
Project Address: 981 Ridder Park Drive San Jose CA 95131

3 Occupancy Types Within Project (select all that apply):

Office Retail Warehouse

tion method, please open a new form or use "Save As".

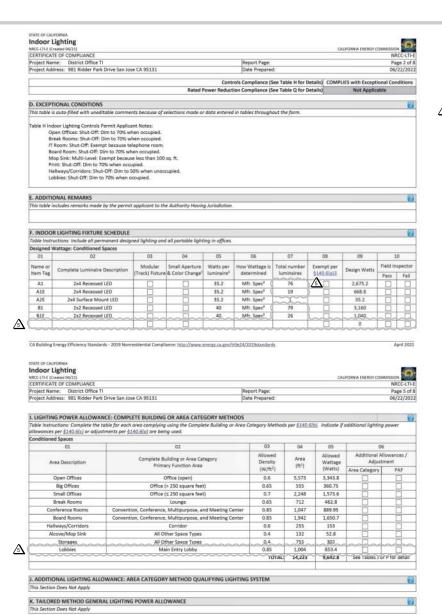
Scope of Work

My Project Consists of (check all that apply):

Office Retail Warehouse
Parking Garage High-Rise Residential Relocatable

B. PROJECT SCOPE
Trable instructions: Include any lighting systems that are within the scape of the permit application and are demonstrating compile instructions: Include any lighting systems that are within the scape of the permit application and are demonstrating compile instructions: Include any lighting systems that are within the scape of the permit application and are demonstrating compiled in this table will result in the deletion of data

A. GENERAL INFORMATION



CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name: District Office TI
Project Address: 981 Ridder Park Drive San Jose CA 95131 Page 8 of 8 06/22/2022 DOCUMENTATION AUTHOR'S DECLARATION STATEMENT l certify that this Certificate of Compliance documentation is accurate and complete Documentation Author Name: Najib Anwary 1798 Technology Drive Suite 242 CEA/ HERS Certification Identification (if applicable): San Jose, CA 95110 (408) 564-7925 RESPONSIBLE PERSON'S DECLARATION STATEMENT RESPONSIBLE PERSON'S DECLARATION STATEMENT
Learlify the following under penality of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance confirms to the requirements of Title 28, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable In the utuning design resurves of system design resurves assertions to the state of compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

1. Will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit application.

1. Will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit application. In the shall be made available with the building permit application in the building permit application. In the shall be made available with the building permit application in the building permit application.

1. Will never that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. ponsible Designer Signature: 7449

Phone:

Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name: District Office TI
Project Address: 981 Ridder Park Drive San Jose CA 95131 01 02 03 04 05 06 07 08 09 *FOOTNOTE: Design Watts for small operture and color changing luminaires which qualify per \$140.5(a)48 is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per \$130.0(c) Wattage used must be the maximum rated for the luminaire, not the lumin.

H. INDOOR LIGHTING CONTROLS (Not Including PAFs) unconditioned spaces in this table. When an option having a * is selected, the notes section of this table able instructions: Please include lighting controls for conditioned Pass Fail Required > 10,000 SF Complete Building or Area Category Primary Function Area State Sta Multi-Level Area Description | Manual ON/ | Dimmer | Partial On* | NA: 5.80% | NA: 5.80% | DF (alt only) | Open Offices Office (open)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards April 2011

Indoor Lighting NICC-LITH. (Invaded 04/23)

CERTIFICATE OF COMPLIANCE

Project Name: District Office TI

Project Address: 981 Ridder Park Drive San Jose CA 95131 M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Table instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.amergy.cu.gov/ Intel®24/201934800046/20192. complaine. documents/MEC/2 YES NO

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

NRCI-LTI-Q2-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

NRCI-LTI-01-E - Must be submitted for all buildings

0

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval



Engineer Seal



60 Garden Court

Suite 210

Monterey, CA 93940

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Architect Seal

Project Title

0 0

DISTRICT OFFICE TI 981 RIDDER PARK DR

SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT

No	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
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4	Addendum No. 4	Oct. 26, 2022
5	Addendum No. 5	Nov. 3, 2022

Drawing Title

CALIFORNIA ENERGY COMPLIANCE TITLE 24 -INDOOR

Project No. 2203

July 19, 2022 Drawing Number

CD E0.2

Page 7 of 8 06/22/2022

rum Consulting Engineers

San Jose, CA 95110

1798 Technology Drive Suite 242

City/State/Zip:

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

F21043

(408) 564-7925

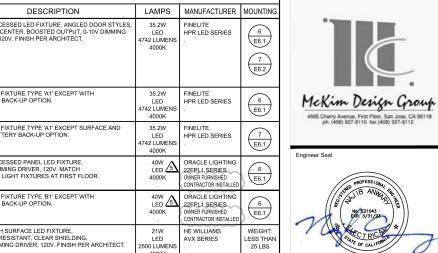
FIXTURE NOTES:

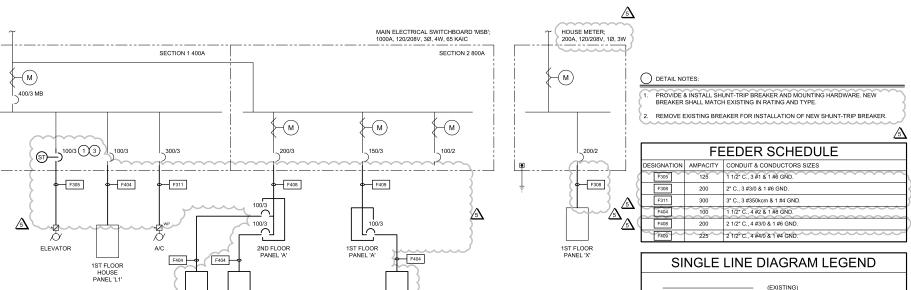
- ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.
- ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).
- 4. EXIT SIGNS, EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.
- 5. ALL RECESSED LIGHT FIXTURES SHALL BE U.L. APPROVED FOR ZERO CLEARANCE INSULATION COVER WHEN INSTALLED IN INSULATED CEILINGS.

TYPE	DESCRIPTION	LAMPS	MANUFACTURER	MOUNTING
A1	2 x 4 RECESSED LED FIXTURE. ANGLED DOOR STYLES. DIFFUSE CENTER, BOOSTED OUTPUT, 0-10V DIMMING DRIVER, 120V. FINISH PER ARCHITECT.	35.2W LED 4742 LUMENS 4000K	FINELITE HPR LED SERIES	6 E6.1 7 E6.2
A1E	SAME AS FIXTURE TYPE 'A1' EXCEPT WITH BATTERY BACK-UP OPTION.	35.2W LED 4742 LUMENS 4000K	FINELITE HPR LED SERIES	6 E6.1
A2E	SAME AS FIXTURE TYPE 'A1' EXCEPT SURFACE AND WITH BATTERY BACK-UP OPTION.	35.2W LED 4742 LUMENS 4000K	FINELITE HPR LED SERIES	7 E6.1
B1	2' x 2' RECESSED PANEL LED FIXTURE, 0-10V DIMMING DRIVER, 120V. MATCH EXISTING LIGHT FIXTURES AT FIRST FLOOR.	40W LED 4000K	ORACLE LIGHTING 22FPL1 SERIES OWNER FURNISHED CONTRACTOR INSTALLED	6 E6.1
в1Е	SAME AS FIXTURE TYPE 'B1' EXCEPT WITH BATTERY BACK-UP OPTION.	40W LED 4000K	ORACLE LIGHTING 22FPL1 SERIES OWNER FURNISHED CONTRACTOR INSTALLED	6 E6.1
C1	2' LENGTH SURFACE LED FIXTURE, VANDAL RESISTANT, CLEAR SHIELDING, NON-DIMMING DRIVER, 120V. FINISH PER ARCHITECT.	21W LED 2500 LUMENS 4000K	HE WILLIAMS AVX SERIES	WEIGHT: LESS THAN 25 LBS
E1	EXIT EDGE-LIT LED LIGHT, EMERGENCY PATTERY BACK-UP AND "SPECTRON" SELF-TEST; SELF-DIAONOSTICS ELECTRONICS, GREEN LETTER, WHITE BACKGROUND, SEE PLANS FOR MOUNTING, NUMBER OF FACES AND ARROWS, 120.	LED ·	DUAL LITE LE SERIES	WEIGHT: LESS THAN 20 LBS
E2	EMERGENCY LIGHT WITH BATTERY BACK-UP AND "SPECTRON" SELF-TEST/SELF-DIAGNOSTICS ELECTRONICS, 120V. FINISH PER ARCHITECT.	2 WATTS HEADS LED	DUAL LITE EV SERIES	WEIGHT: LESS THAN 20 LBS
XAE	11" W x 7" H x 4" DEEP SCONCE LED FIXTURE WITH BATTERY BACK-UP AND "SPECTRON" SELF-TESTISELF-DIAGNOSTICS ELECTRONICS, WET LABEL, 120V. FINISH PER ARCHITECT.	LED	DUAL LITE PG SERIES	WEIGHT: LESS THAN 20 LBS

(NEW)

(N) FLOOR/PAD MOUNTED EQUIPMENT





1ST FLOOR PANEL 'A1'

ELECTRICAL SINGLE LINE DIAGRAM

Project Title

DISTRICT OFFICE TI

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AURUM CONSULTING ENGINEERS MONTEREY BAY, INC. Project No. 22-149.00 60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

Regulatory Agency Approval

DSA: 01 -120361 / File: 43-7

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

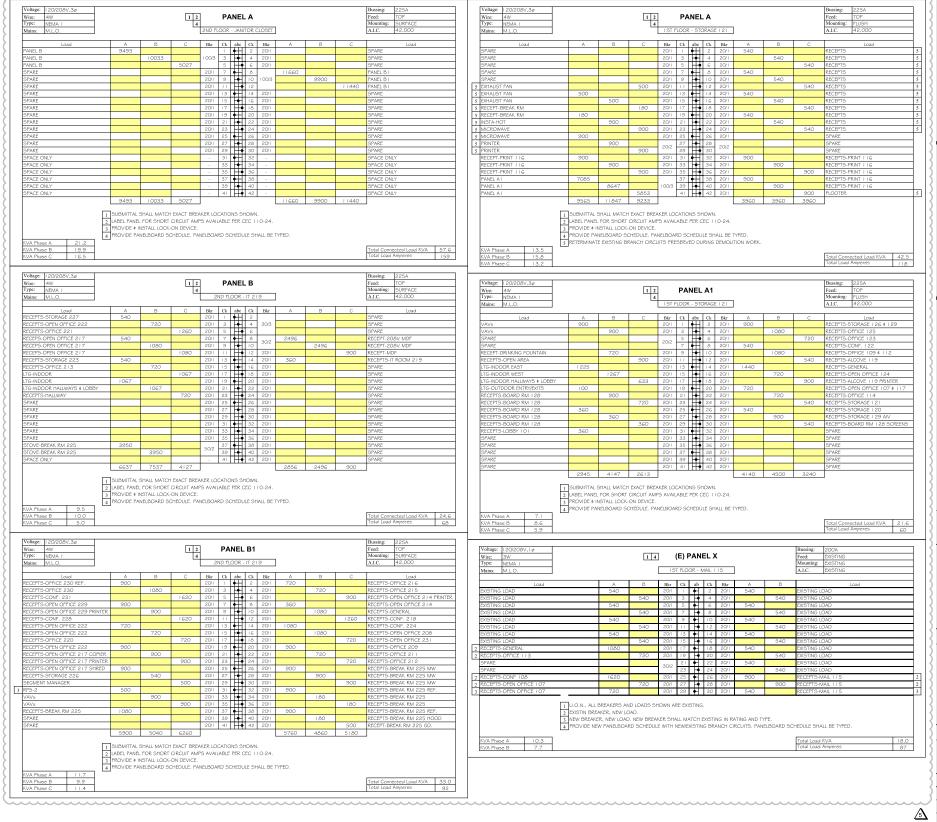
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\triangle	Addendum No. 5	Nov. 3, 2022
Deni	vice Title	

ELECTRICAL SINGLE LINE DIAGRAM & LIGHT FIXTURE SCHEDULE

July 19, 2022 2203

> Drawing Number CD

E1.1



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Engineer Seal



AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

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Architect Seal

Project Title

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<u></u>	Addendum No. 5	Nov. 3, 2022		
Describe Title				

PANELBOARD SCHEDULES

Project No. 2203

July 19, 2022

Drawing Number

CD

E1.2

 PER GENERAL DEMOLITION NOTES, DEMOLISH ALL NOTIFICATION FIRE ALARM DEVICES (HORNS, STROBES & HORN/STROBES). PER GENERAL DEMOLITION NOTES, DEMOLISH TELE/DATA DEVICES AND ASSOCIATED CABLING, NO CABLING SHALL BE

ABANDONED ON SITE. 4. PER GENERAL DEMOLITION NOTES, DEMOLISH RECEPTACLES

IMPACTED BY DEMOLITION WORK. 5. PER GENERAL DEMOLITION NOTES, DISCONNECT AND

PRESERVE BRANCH CIRCUITS NOT IMPACTED BY DEMOLITION WORK FOR REUSE UNDER NEW WORK. SEE NEW WORK FOR REQUIREMENTS.

. PER GENERAL DEMOLITION NOTES, DEMOLISH ELECTRICAL PANEL.

PER GENERAL DEMOLITION NOTES, DEMOLISH SECURITY DEVICES AND ASSOCIATED CABLING. NO CABLING SHALL BE ABANDONED ON SITE.

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXTENT OF ELECTRICAL DEMOLITION AND QUANTITIES OF ELECTRICAL TO BE REMOVED AS DICTATED BY THE REQUIREMENTS OF THE PROJECT.

REMOVAL SHALL INCLUDE WIRING, RACEWAY, BOXES, SWITCHES, LIGHT FIXTURES, ETC. AS INDICATED ON THE PLANS AND AS REQUIRED BY THESE DEMOLITION NOTES.

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AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

60 Garden Court

Suite 210

Monterey, CA 93940 T.831.646.3330 • F.831.646.3336 • www.acemb.com

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981 RIDDER PARK DR SAN JOSE, CA 95131

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BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

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<u></u>	Addendum No. 5	Nov. 3, 2022
Drav	wing Title	

ELECTRICAL DEMOLITION PLAN -FIRST FLOOR

2203 July 19, 2022

Drawing Number CD E3.1

ELECTRICAL DEMOLITION PLAN - FIRST FLOOR

ELECTRICAL CONTRACTOR SHALL INSURE THAT ALL REMAINING ELECTIFICAL CONTINACTOR SHALL INSURE THAT ALL REMINATOR ACTIVE CIRCUITS, DEVICES, OUTLETS, LIGHT FIXTURES, ETC. HAVE NOT BEEN DISCONNECTED OR MADE INOPERATIVE DURING DEMOLITION. ELECTRICAL CONTRACTOR SHALL RESTORE ALL INTERRUPTED OR DISCONNECTED CIRCUITS TO OPERATION.

G. ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL REMOVED ELECTRICAL EQUIPMENT AND MATERIAL.

NO REMOVED EQUIPMENT OR MATERIAL SHALL BE REUSED AS PART OF NEW WORK, U.O.N.

EXISTING REMAINING CONCEALED RACEWAYS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK.

EXISTING FLUSH OUTLETS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK, MEET THE REQUIREMENTS OF THE CURRENT C.E.C. FOR VOLUME AND COINCIDE WITH LOCATION SHOWN FOR THE NEW WORK.

FLUSH OUTLET BOXES IN EXISTING WALLS TO REMAIN MAY BE ABANDONED IN PLACE. REMOVE DEVICES AND WIRING, PLUG OPENING AND PROVIDE AND INSTALL A BLANK DEVICE PLATE.

EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.

M. WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE ALARM OR OTHER COMMUNICATIONS QUILETS OR WITHING IS TO BE DEMOLISHED IT SHALL BE REMOVED BACK TO THE NEXT TERMINAL POINT ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER OR OWNERS REPRESENTATIVE TO HAVE EQUIPMENT AND WIRING DESIGNATED FOR REMOVAL OR PRESERVATION PRIOR TO REMOVAL OR OUTLET BOXES, CONDUIT OR WIRING BY ELECTRICAL CONTRACTOR.

N. COORDINATE WITH OWNER PRIOR TO START OF DEMOLITION TO MINIMIZE POWER INTERRUPTIONS, WORK MAY HAVE TO OCCUR DURING NON-REGULAR BUSINESS HOURS. COORDINAT IN WRITING WITH OWNER ONE WEEK PRIOR TO PLANNED POWER INTERRUPTIONS.

- PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH ALL NOTIFICATION FIRE ALARM DEVICES (HORNS, STROBES & HORNSTROBES) AND ASSOCIATED FIRE ALARM REMOTE POWER SUPPLIES.
- PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH TELE/DATA DEVICES AND CABLING. NO CABLING SHALL BE ABANDONED ON SITE.
- . PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH ALL RECEPTACLES.
- 5. DEMOLISH PER GENERAL DEMOLITION NOTES ON E3.1.
- PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH
 SECURITY DEVICES AND ASSOCIATED CABLING. NO CABLING
 SHALL BE ABANDONED ON SITE.

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Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

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5	Addendum No. 5	Nov. 3, 2022

ELECTRICAL DEMOLITION PLAN -SECOND FLOOR

July 19, 2022 2203

CD

E3.2

- 1 LINI ESS OTHERWISE NOTED EXISTING TO REM
- 2. PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH ALL LIGHTING CONTROLS.
- 3. LIGHT FIXTURES TO BE REMOVED AND STORED, SCOPE IS DONE BY OTHERS. CONTRACTOR TO INSTALL LIGHT FIXTURES IN T-BAR CELING SYSTEM UNDER NEW WORK, LIGHT FIXTURES TO BE OWNER FURNISHED, CONTRACTOR INSTALLED.

<u>\$</u>

DSA: 01 -120361 / File: 43-7

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Engineer Seal



AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

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Architect S

Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

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<u></u>	Addendum No. 5	Nov. 3, 2022
5	The	

Drawing

ELECTRICAL DEMOLITION REFLECTED CEILING PLAN -FIRST FLOOR

Project No.
2203 Date
July 19, 2022

Drawing Number

CD

E3.3

1 ELECTRICAL DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR

1. UNLESS OTHERWISE NOTED, EXISTING TO REMAIN.

2. PER GENERAL DEMOLITION NOTES ON E3.1, DEMOLISH ALL LIGHTING CONTROLS.

3. LIGHT FIXTURES TO BE REMOVED AND DISPOSED, SCOPE IS DONE BY OTHERS.

DSA: 01 -120361 / File: 43-7

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AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

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5	The	

ELECTRICAL DEMOLITION REFLECTED CEILING PLAN -SECOND FLOOR

2203 Drawing Number

CD

E3.4

July 19, 2022

PER GENERAL DEMOLITION NOTES ON E3.1; DISCONNECT AND PRESERVE ELECTRICAL CONNECTIONS. COORDINATE WITH MECHANICAL CONTRACTOR FOR UNIT SHUT-OFF.

2. CONNECT AIR CONDITIONING UNIT. PROVIDE & INSTALL FEEDER PER ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1.

<u></u>

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AURUM CONSULTING

ENGINEERS MONTEREY BAY, INC.

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Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

No	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
5	Addendum No. 5	Nov. 3, 2022

ELECTRICAL DEMOLITION PLAN -ROOF

Date July 19, 2022 2203 Drawing Number

CD

E3.5

DSA: 01 -120361 / File: 43-7





AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

0 Garden Court

Suite 210

Monterey, CA 93940 T.831.646.3330 • F.831.646.3336 • www.acemb.com

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Architect Seal

Project Title

DISTRICT OFFICE TI 981 RIDDER PARK DR

SAN JOSE, CA 95131

Client

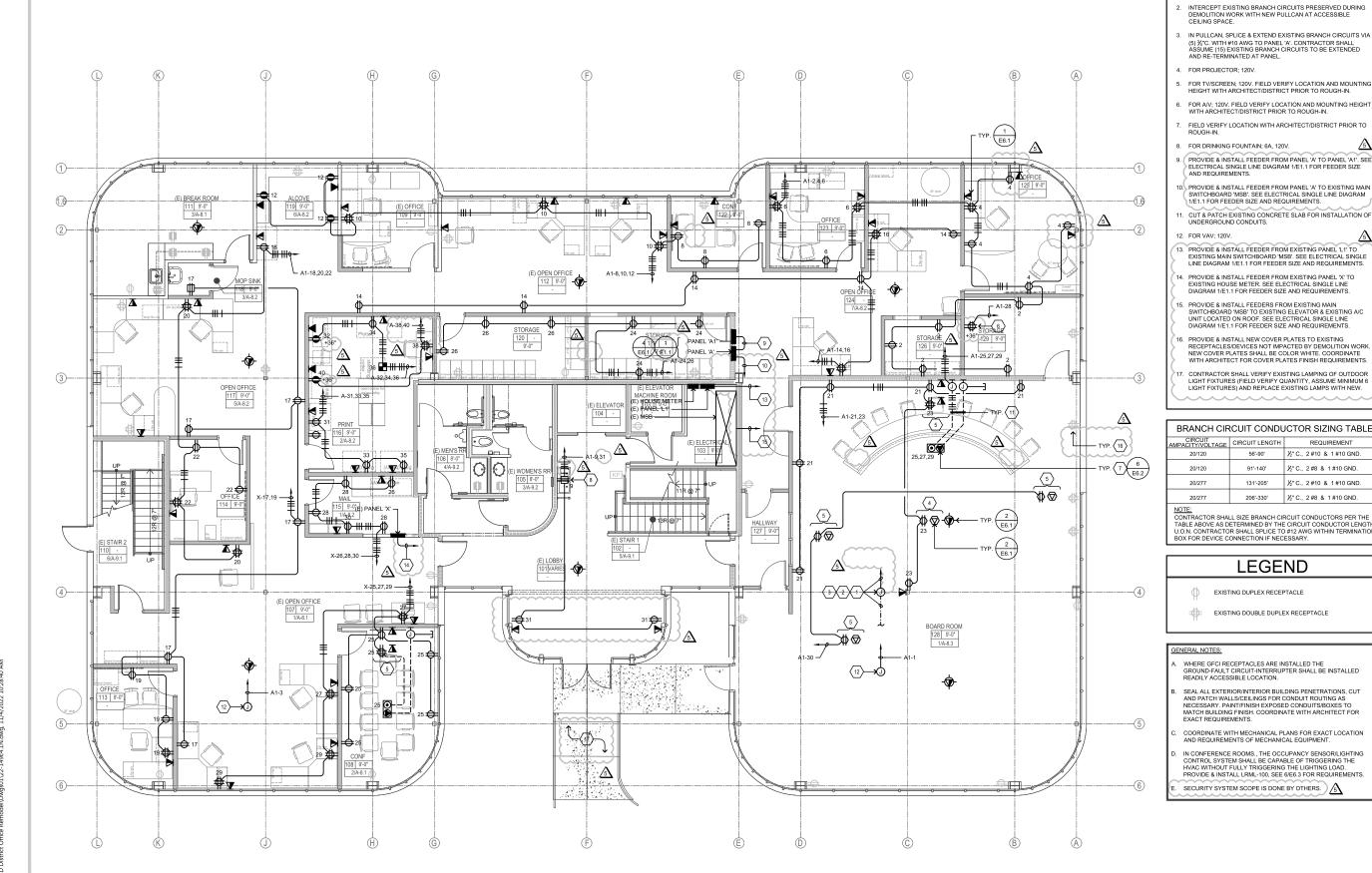
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Dray	wing Title	-

POWER & SYSTEMS PLAN -FIRST FLOOR

July 19, 2022 2203

Drawing Number CD E4.1



○ SHEET NOTES PROVIDE & INSTALL 12" SQ. x 4" DEEP PULLCAN AT ACCESSIBLE CEILING SPACE.

CIRCUIT LENGTH

206'-330'

EXISTING DUPLEX RECEPTACLE

LEGEND

EXISTING DOUBLE DUPLEX RECEPTACLE

REQUIREMENT

½" C., 2 #10 & 1 #10 GND.

½" C., 2#8 & 1#10 GND.

½" C., 2#8 & 1#10 GND.

POWER & SYSTEMS PLAN - FIRST FLOOR

DSA: 01 -120361 / File: 43-7





AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

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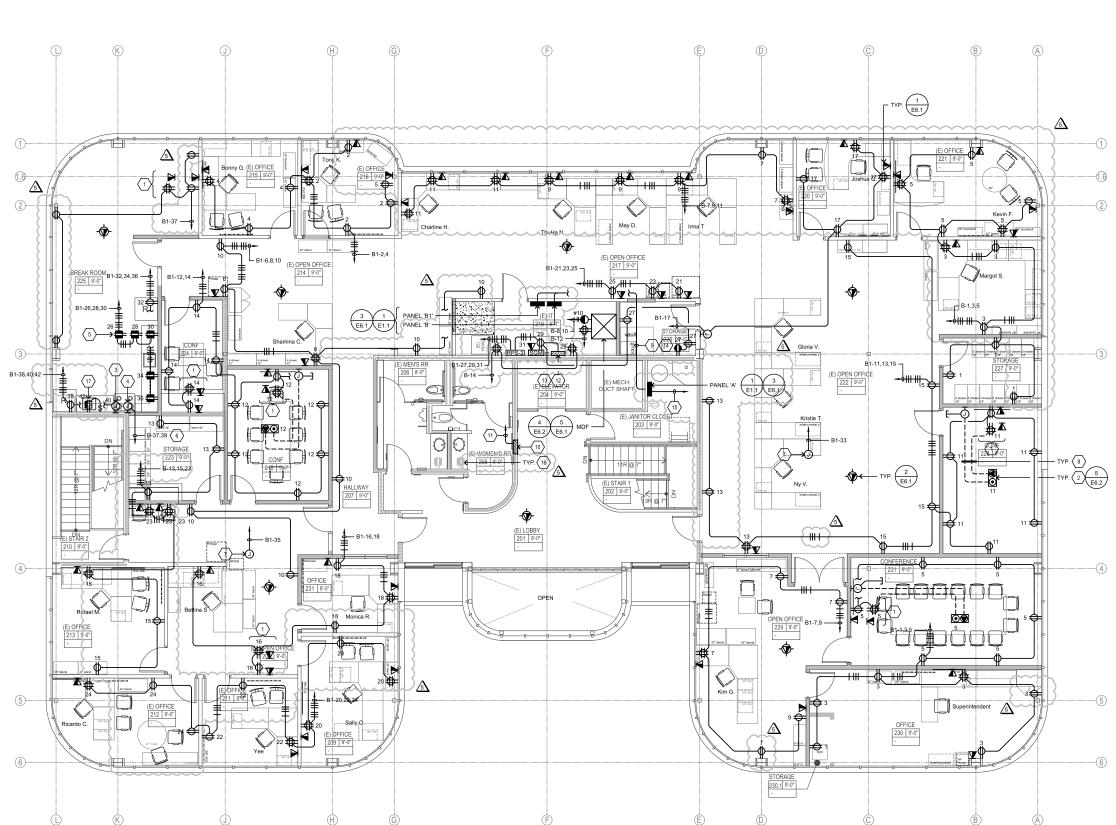
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POWER & SYSTEMS PLAN -SECOND FLOOR

July 19, 2022

Drawing Number CD

E4.2



POWER & SYSTEMS PLAN - SECOND FLOOR



FOR TV/SCREEN. FIELD VERIFY LOCATION AND MOUNTING

2. FIELD VERIFY LOCATION WITH ARCHITECT/DISTRICT PRIOR TO ROUGH-IN.

FOR HOOD; 1A, 120V.

4. FOR ELECTRIC STOVE; 7.9KW, 208V, 1Ø. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS

FOR STACK MICROWAVES, 120V.

6. ¾" C., 2 #6 & 1 #10 GND.

7. FOR VAV; 120V.

8. CUT & PATCH EXISTING CONCRETE SLAB FOR INSTALLATION OF 9. PROVIDE & INSTALL FEEDER FROM PANEL '81' FOR FEEDER SIZE AND REQUIREMENTS.

10. IP RECESSED MOUNTED TWO WAY COMMUNICATION SYSTEM CALL BOX. MOUNT AT 48" TO TOP OF CALL BOX. RATH ELECTRONICS 2100 SERIES.

11. ¾"C. TO RAF CONTROL PANEL LOCATED IN IT ROOM.

PROVIDE & INSTALL TWO WAY COMMUNICATION, IP COMMAND CENTER AND DISTRIBUTION MODULE; RATH AREA OF REFUGE 2500 SERIES, VERIEY EXACT LOCATION WITH LOCAL AUTHORIT HAVING JURISDICTION (AHJ).

THE EMERGENCY COMMUNICATION HARDWARE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA). THE IP CALL BOX SHALL HAVE THE ABILITIES ACT (ADA). THE IP CALL BOX SHALL HAVE THE ABILITIES ACT (ADA). THE IP TO 2 EMERGENCY PHONE NUMBERS (EITHER BOTH OFF-SITE) OR BASE STATION AND OFF-SITE). UPON ACTIVATION OF THE EMERGENCY PUSH BUTTON, A CALL WILL BE AUTOMATICALLY PLACED TO THE IP COMMAND CENTER. IF NO ONE ANSWERS AT THE IP CALL BOX MUST DIAL SECONDARY LOCATION OUTSIDE THE BUILDING TO ACTIVATE TWO WAY OFF-SITE PERSON TO PERSON VOICE COMMUNICATIONS.

14. PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO PANEL 'B', SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.

15. PROVIDE & INSTALL FEEDER FROM PANEL 'A' TO EXISTING MAIN SWITCHBOARD 'MSB'. SEE ELECTRICAL SINGLE LINE DIAGRAM 1/E1.1 FOR FEEDER SIZE AND REQUIREMENTS.

PROVIDE & INSTALL NEW COVER PLATES TO EXISTING RECEPTACLES/DEVICES NOT IMPACTED BY DEMOLITION WORK, NEW COVER PLATES SHALL BE COLOR WHITE. COORDINATE WITH ARCHITECT FOR COVER PLATES FINISH REQUIREMENTS.

7. FOR GARBAGE DISPOSAL; 120V.

BRANCH CIRCUIT CONDUCTOR SIZING TABLE CIRCUIT MPACITY/VOLTAGE CIRCUIT LENGTH REQUIREMENT ½" C., 2#10 & 1#10 GND. ½" C., 2#8 & 1#10 GND.

206'-330'

NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE
TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGT
U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATIC
BOX FOR DEVICE CONNECTION IF NECESSARY.

½" C., 2#8 & 1#10 GND.

LEGEND

EXISTING DUPLEX RECEPTACLE

EXISTING GFCI DUPLEX RECEPTACLE

20/277

WHERE GECL RECEPTACLES ARE INSTALLED THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED READILY ACCESSIBLE LOCATION.

SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

COORDINATE WITH MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

IN CONFERENCE ROOMS., THE OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF TRIGGERING THE HVAC WITHOUT FULLY TRIGGERING THE LIGHTING LOAD. PROVIDE & INSTALL LRML-100, SEE 6/E6.3 FOR REQUIREMENTS.

SECURITY SYSTEM SCOPE IS DONE BY OTHERS.

- CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT UNSWITCHED HOT AND ALLOW FOR NORMAL SWITCHING DURING NORMAL OPERATION.
- CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT UNSWITCHED HOT.
- 5. PROVIDE & INSTALL ¾"C. FROM ROOM CONTROLLER TO EACH DEVICE IN SPACE CONNECTED TO ROOM CONTROLLER MODULE (SWITCHES, OCCUPANCY SENSORS, DAYLIGHT
- 6. MOUNT AT 9'-0" ABOVE FINISH FLOOR.

McKim Design Group

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval

4595 Cherry Avenue, First Floor, San Jose, CA 95118 ph. (408) 927-8110 fax (408) 927-8112



REQUIREMENT

火" C., 2#10 & 1#10 GND. ½" C., 2#8 & 1#10 GND.

½" C., 2 #10 & 1 #10 GND.

½" C., 2#8 & 1#10 GND.

AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

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Architect Seal

Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

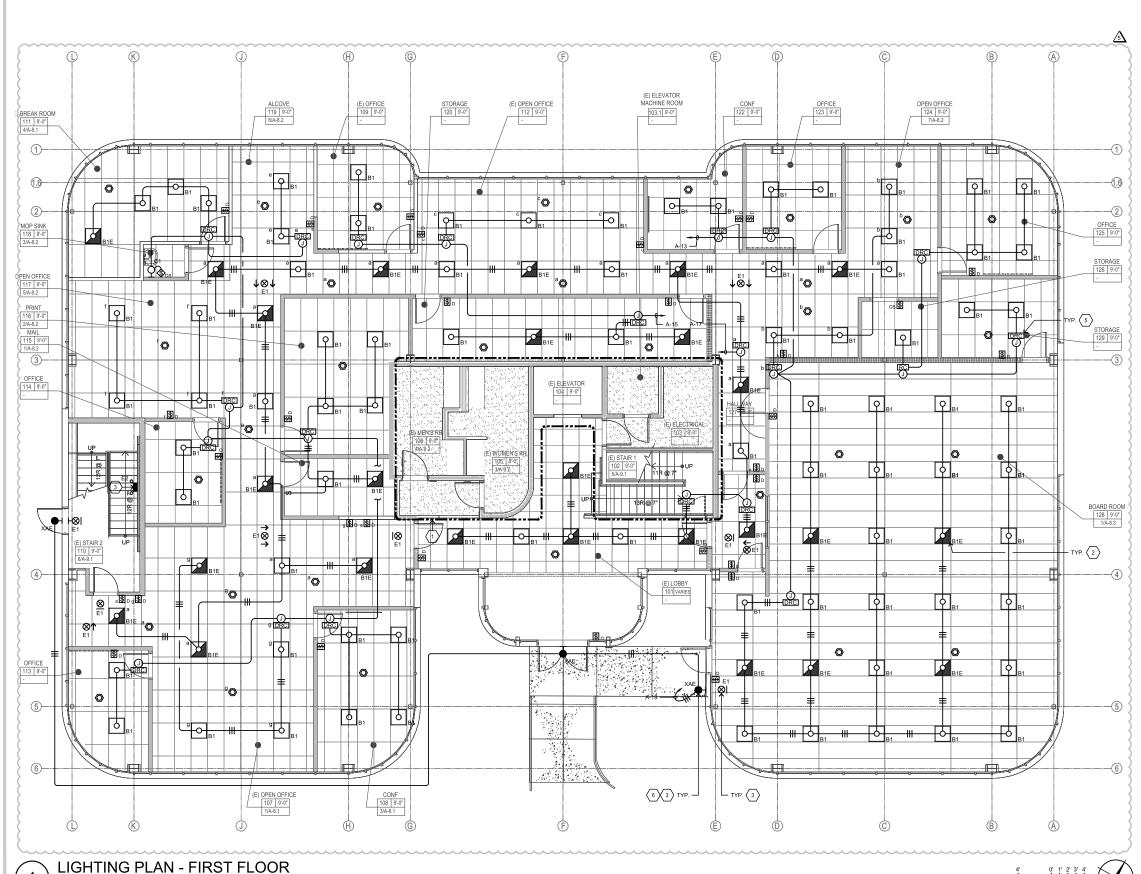
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4	<u>/5</u>	Addendum No. 5	Nov. 3, 2022

Drawing Title

LIGHTING PLAN -FIRST FLOOR

2203

July 19, 2022 Drawing Number



SCALE: 3/16"=1'-0"

CD

E5.1

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SAN JOSE, CA 95131

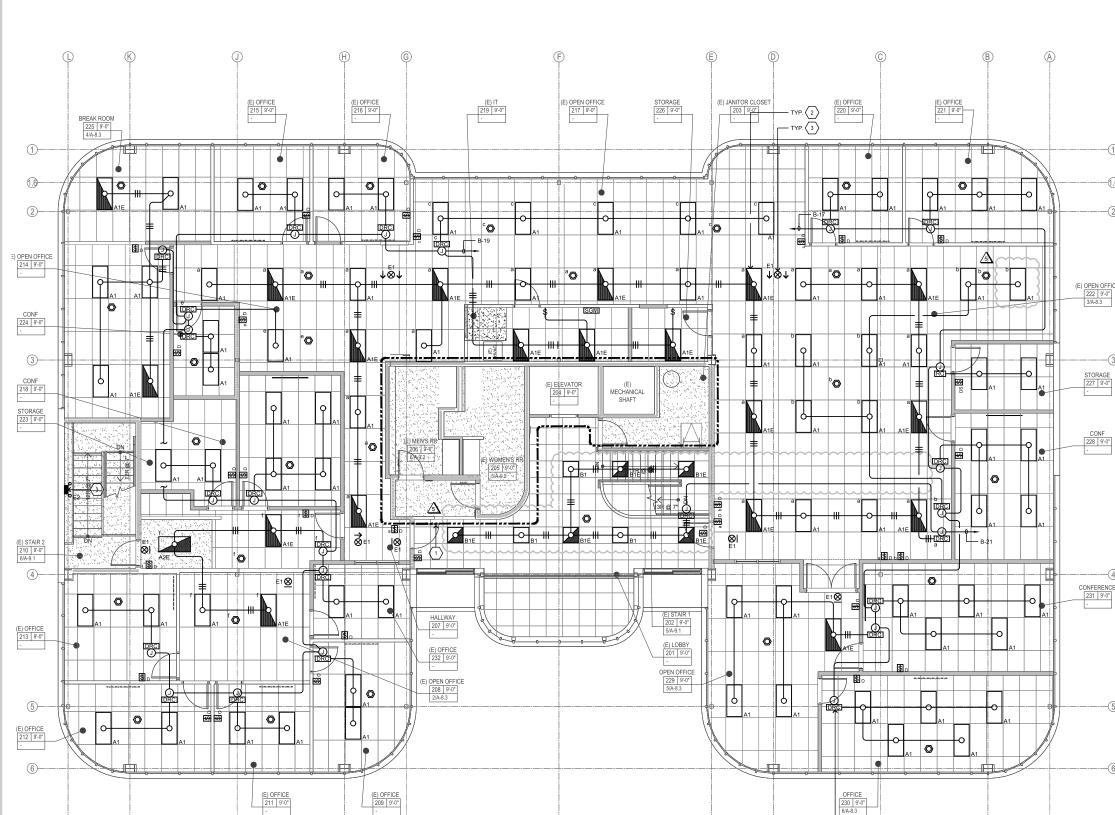
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LIGHTING PLAN -

2203

CD



CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT UNSWITCHED HOT AND ALLOW FOR NORMAL SWITCHING DURING NORMAL OPERATION.

CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT UNSWITCHED HOT.

PROVIDE & INSTALL ¾"C. FROM ROOM CONTROLLER TO EACH DEVICE IN SPACE CONNECTED TO ROOM CONTROLLER MODULE (SWITCHES, OCCUPANCY SENSORS, DAYLIGHT SENSOR, ETC.).

LEGEND

O LUMINAIRE - SEE SCHEDULE

EMERGENCY LUMINAIRE - SEE SCHEDULE

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT
MPACITY/VOLTAGE CIRCUIT LENGTH REQUIREMENT ½" C., 2 #10 & 1 #10 GND. ½" C., 2#8 & 1#10 GND. 131'-205' ½" C., 2#10 & 1#10 GND. 20/277 206'-330' ½" C., 2#8 & 1#10 GND.

NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE
TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGT
U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATIC
BOX FOR DEVICE CONNECTION IF NECESSARY.

GENERAL NOTES:

SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

LIGHTING CONTROL SYSTEM ALONG PATH OF EGRESS SHALL BE PROGRAMMED TO MAINTAIN A MINIMUM OF 1 F.C.

FOR LIGHTING CONTROLS SEE E6.3.

LIGHTING PLAN - SECOND FLOOR SCALE: 3/16"=1'-0"

○ SHEET NOTES NOT IN SCOPE OF WORK.

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Client

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<u>√</u> 5	Addendum No. 5	Nov. 3, 2022
Drav	wing Title	

SECOND FLOOR

July 19, 2022 Drawing Number

E5.2







ANGLE HANGER BRACKET CADDY #CATHBA OR EQUAL. 60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

2" DIAMETER CABLE HOOK: CADDY "CABLE CAT" #CAT32 OR EQUAL. These drawings are instruments of service and are the property of AURUM CONSULTING ENGINEERS MONTERY BAY, MC, All designs and other information in the drawings are for use on the specified project and shall not be used otherwise without the expression of AURUM CONSULTING ENGINEERS MONTEREY BAY, INC. ACCESSIBLE OR ACOUSTICAL T-BAR CEILING.

Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

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Drawing Title

ELECTRICAL DETAILS

2203

O DETAIL NOTES: 7 6 (5) DIRECT MOUNTING 6. SURFACE MOUNTED FIXTURE 9

6

MOUNTING TO BLOCKING

ALL SCREWS TO HAVE MIN. 1½" PENETRATION INTO FRAMING.

FINISHED CEILING MATERIAL (SEE ARCHITECTURAL DRAWINGS).

#12 SHEET METAL SCREWS AT EACH CORNER

8 CENTERING CLAMP

400 S200-54 BLOCK WITH 16GAUGEx2"x2"x0"-3" ANGLE EACH END WITH 2-#12 SHEET METAL SCREWS EACH LEG COPE FLANGES ASHELESS.

10. NUT & WASHER.

11. ½" DIA. BOLT, (2) REQUIRED

SURFACE MOUNTING FIXTURE DETAIL

O DETAIL NOTES:

1. WIRE TO SUPPORT "T-BAR" CEILING GRID BY OTHERS.

2. ROOF STRUCTURE (METAL DECK).

3. SEE X/AX.X FOR FASTENING TO METAL DECK.

4. #12 GAUGE HANGER WIRES AT EACH CORNER PER FIXTURE MOUNTING GENERAL NOTES BELOW.

5. LIGHT FIXTURE WEIGHT: 50 LBS MAX.

6. CEILING GRID SYSTEM BY OTHERS.

2 #8 SMS IN OPPOSITE SIDES (4 TOTAL) LOCATE SCREWS NEAR THE CENTER OF LIGHT FIXTURE. REQUIRE AT LEAST (2) POSITIVE CLAMPING DEVICES.

8. ANCHOR FIXTURE OUTLET BOX TO ROOF STRUCTURE METAL DECK WITH 2-#8 SHEET METAL SCREWS TO UNDERSIDE OF THE ROOF DECKING

10. IF FLEX CONDUIT LENGTH EXCEEDS 6 FOOT, FASTEN FLEX CONDUIT TO FLEX CONDUIT SUPPORT WIRE PER N.E.C. SPACING.

11. CONNECT FLEX CONDUIT SUPPORT WIRE TO FIXTURE

FIXTURE MOUNTING GENERAL NOTES:

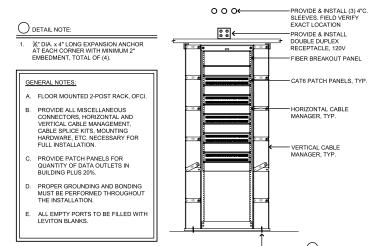
ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE.

FLUSH OR RECESSED LIGHT FIXTURE WEIGHING LESS THAN OR EQUAL TO 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THE FIXTURES MUST HAVE A MINIMUM OF TWO (2) #12 GAUGE SLACK SAFETY WIRES ATTACHED TO THE DIAGONAL CORNERS & ANCHORED TO THE STRUCTURE ABOVE.

ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING GREATER THAN 56 POUNDS MUST BE INDEPENDENTLY SUPPORTED BY NO LESS THAN FOUND (4) TAUT #1/2 GAUGE WIRES. EACH "TAUT" WIRE SHALL BE ATTACHED TO THE STRUCTURE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.

THE FOUR (4) TAUT #12 GAUGE WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE NOTED ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE COMPLETE UNIT.

T-BAR MOUNTING FIXTURE DETAIL



2 POST RACK MOUNTING DETAIL



FLUSH MTD. PANEL DETAIL - METAL STUD

SECTION

16 GA. "C" SHAPE BLOCKING BEHIND PANEL AT FASTENER LOCATIONS. 2. EXISTING METAL STUD WALL 3. PANEL (WEIGHT 300 LBS MAX). 4. #12 SELF-TAPPING SCREWS INTO METAL BLK'G TYPICAL (4) PER PANEL AT CORNERS 2)-

SURFACE MTD. PANEL DETAIL - METAL STUD

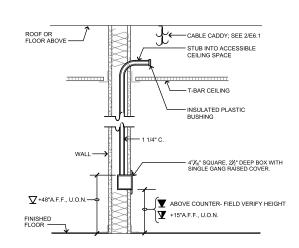
2)-2. FACE OF WALL 3)-3. #14 GAUGE SHEET METAL PANEL 4. 2" x 6" 16 GA. STUDS FOR FRAMING - 5 3/4 CENTER OF GRAVITY 125lbs

20" CLEAR

ELEVATION

DETAIL NOTES:

1. STUD BESIDE PANEL



DETAIL NOTES:

ACCESSIBLE CEILING SPACE OR UNDER FLOOR.

TELE/DATA OUTLET DETAIL

X" DIA. SHEET METAL SCREW FOR PAN DECK. #12 × 1½" DHSM SCREW FOR WOOD, SEE GENERAL CONSTRUCTION NOTES ON E0.1 —

NOT TO EXCEED 12" SAG IN CABLE

NO SCALE

J-HOOK MOUNTING DETAIL

1

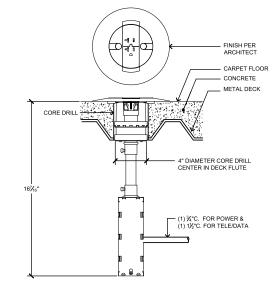
CD

E6.1

July 19, 2022

COMBINATION 2%" x ¾" FLUSH COVER HUBBELL #2425 DUPLEX FLAP FLUSH COVER WITH 20A 120V DUPLEX RECEPTACLE HUBBELL #3825 SAW CUT & REMOVE (E) SLAB TO INSTALL (N) FLOOR BOX. PATCH FLOOR TO MATCH (E) SURROUNDING CONCRETE FLOOR SLAB SURFACES -(E) FLOOR SLAB--FULLY ADJUSTABLE CAST IRON FLOOR BOX, HUBBELL #B4233-TWO GANG SET BOX IN CONCRETE (1) ¾"C. FOR POWER & (1) 1½"C. FOR TELE/DATA

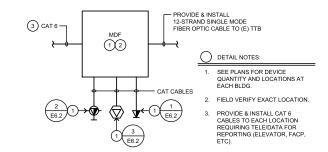
FLUSH FLOOR MOUNTED BOX 6



GENERAL NOTE: PROVIDE & INSTALL (1) DOUBLE DUPLEX RECEPTACLE AND (4) TELE/DATA DEVICE MOUNTING PLATE PER FLOOR BOX.

WIREMOLD RC3 SERIES POKE-THRU

5



GENERAL NOTES:

- A. U.O.N., ALL SHOWN IS NEW.
- B. AT EACH LOCATION SHOWN ON POWER & SYSTEMS; PROVIDE COMPATIBLE FACE PLATE WITH DISTRICT STANDAR
- WHERE CABLES ARE TO BE INSTALLED OUTSIDE OR UNDERGROUND THEY SHALL BE RATED FOR SUCH USE
- D. PROVIDE & INSTALL NECESSARY PATCH PANELS AND ASSOCIATED
- MOUNTING HARDWARE FOR NEW CONNECTIONS.

TELE/DATA SYSTEM RISER DIAGRAM

WORKSTATION OUTLET 1 NO SCALE

LEVITON QUICK PORT 2 PORT FACE PLATE -LABEL PER SPECIFICATIONS, 0 COORDINATE WITH DISTRICT IT FOR EXACT REQUIREMENTS CAT 8 CAT 6 4-PAIR TO IDF 123 TWO LEVITON JACKS SEE SPECIFICATIONS FOR PART #'S-CAT 6 4-PAIR → TO IDF (1 2 3) CABLE - BLUE DETAIL NOTES: W-B TO NEAREST MDF/IDF PATCH PANEL, SEE DRAWINGS FOR IDF/MDF LOCATIONS. LABEL PAIRS USED AND LABEL \bigcirc ROOM NUMBER. 3. LABEL PER I.T. DEPT. STANDARDS.

McKim Design Group 4595 Cherry Avenue, First Floor, San Jose, CA 95118 ph. (408) 927-8110 fax (408) 927-8112

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DISTRICT OFFICE TI

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BERRYESSA UNION SCHOOL DISTRICT

1376 PIEDMONT RD. SAN JOSE, CA 95132

Oct. 21, 2022

Oct. 26, 2022

Nov. 3, 2022

Revisions/Submissions

District/ CM Comments

Addendum No. 3

Addendum No. 4

Addendum No. 5

ELECTRICAL DETAILS

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval

CEILING OUTLET

GENERAL NOTE: SEE SPEC SECTION 271000 FOR PART #'S.

LEVITON QUICK PORT 2 PORT FACE PLATE ABEL PER SPECIFICATIONS COORDINATE WITH DISTRICT IT FOR EXACT REQUIREMENTS W-A CAT 8 CAT 6A 4-PAIR TO IDF 1 2 3 TWO LEVITON JACKS SEE SPECIFICATIONS FOR PART #'S CAT 6A 4-PAIR TO IDF 1 2 3 الجها DETAIL NOTES: W-B TO NEAREST MDF/IDF PATCH PANEL, SEE DRAWINGS FOR IDF/MDF LOCATIONS. WP /--

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3. LABEL PER I.T. DEPT. STANDARDS

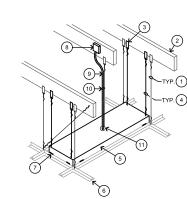
WIRELESS OUTLET NO SCALE

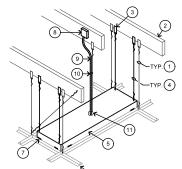
> LEVITON QUICKPOR 2 PORT FACE PLATE - LABEL PER SPECIFICATIONS. COORDINATE WITH DISTRICT IT FOR EXACT REQUIREMENTS W-A CAT 6 TWO LEVITON JACKS SEE SPECIFICATIONS FOR PART #'S-CAT 6 4-PAIR TO IDF 1 2 3 CAT 8 CAT 6 4-PAIR TO IDF 1 2 3 DETAIL NOTES: W-B TO NEAREST MDF/IDE PATCH PANEL. SEE DRAWINGS FOR IDF/MDF LOCATIONS. ABOVE COUNTER \mathbf{I}

LABEL PAIRS USED AND LABEL

3. LABEL PER I.T. DEPT, STANDARDS.

2203 July 19, 2022 Drawing Numbe







- WIRE TO SUPPORT "T-BAR" CEILING GRID BY OTHERS.
- 2. CEILING STRUCTURE.
- TYPICAL ANCHOR TO CEILING STRUCTURE, SAME AS APPROVED GRID WIRE ANCHOR.
- 4. ONE #12 GA TAUT WIRE AT EACH CORNER OF FIXTURE W/ FOUR (4) FULL TURNS FOR EACH #12 WIRE IN 1 ½" DISTANCE. (BY ELECTRICAL CONTRACTOR).
- 6. CEILING GRID SYSTEM BY OTHERS.
- 7. EARTHQUAKE CLIPS, 4 EA. TYP.
- ANCHOR FIXTURE OUTLET BOX TO CEILING STRUCTURE
- 9. $\frac{1}{2}$ " FLEX CONDUIT, 2#12 & 1#12GND.
- 10. IF FLEX CONDUIT LENGTH EXCEEDS 6 FOOT, FASTEN FLEX CONDUIT TO FLEX CONDUIT SUPPORT WIRE PER N.E.C. SPACING.
- 11. CONNECT FLEX CONDUIT SUPPORT WIRE TO FIXTURE.

- A. ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL
- B. FLUSH OR RECESSED LIGHT FIXTURE WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THE FIXTURES MUST HAVE A MINIMUM OF TWO (2) #12 GAUGE SLACK SAFETY WIRES ATTACHED TO THE DIAGONAL CORNERS & ANCHORED TO THE STRUCTURE ABOVE. LIGHT FIXTURES IN A MEDIUM DUTY GRID SYSTEM MUST HAVE
- C. ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 56 POUNDS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NO LESS THAN FOUR (4) TAUT #12 GAUGE WIRES. EACH "TAUT" WIRE SHALL BE ATTACHED TO THE STRUCTURE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.
- D. THE FOUR (4) TAUT #12 GAUGE WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE NOTED ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE COMPLETE UNIT.

T-BAR MOUNTING FIXTURE DETAIL

GENERAL NOTE: SEE SPEC SECTION 271000 FOR PART #'S.

GENERAL NOTE: SEE SPEC SECTION 271000 FOR PART #'S.

CD

Project Title

Client

E6.2

DETAIL NOTES:

FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.

ONE ZONE DAY LIGHT
 PHOTOCELL; SEE PLANS FOR
 QUANTITIES & LOCATIONS.

SYMBOLS/CONTROLS NOT SHOWN IN PLANS

DETAIL NOTES:

FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.

INCLUDE (1) IN EVERY ROOM/SPACE.

GENERAL NOTES: A. ALL PART NUMBERS ARE WATTSTOPPER.

B. DISREGARD SYMBOLS/CONTROLS NOT SHOWN IN PLANS

INCLUDE (1) IN EVERY ROOM/SPACE.

PROGRAM ZONE 1 (PRIMARY DAY LIT ZONE) AT 40FC.



AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

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Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

Addendum No. 3 Oct. 21, 2022 Addendum No. 4 Oct. 26, 2022 Addendum No. 5 Nov. 3, 2022

ELECTRICAL DETAILS

2203

July 19, 2022



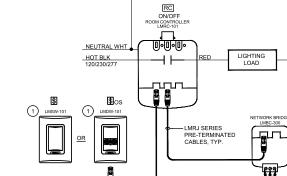
DETAIL NOTES:

FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.

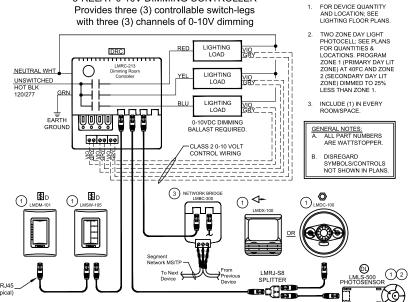
GENERAL NOTES:

A. ALL PART NUMBERS
ARE WATTSTOPPER.

SYMBOLS/CONTROLS NOT SHOWN IN PLANS



ALL PART NUMBERS ARE WATTSTOPPER. ISOLATED RELAY FOR HVAC INTERFACE



3-ZONE DIMMING LIGHTING CONTROLS

LMSM-3E ONE OF THE REAL PROPERTY. LMRJ SERIES PRE-TERMINATED CABLES OR CATSE. FREE TOPOLOGY & SPLITTER ACCEPTABLE, TYP. LMRJ SERIES PRE-TERMINATED

SEGMENT MANAGER

DETAIL NOTES:

2

1-ZONE DIMMING LIGHTING CONTROLS

99

LMRC-212 2--RELAY 0-10V DIMMING CONTROLLER Provides two (2) controllable switch-legs

2-ZONE DIMMING LIGHTING CONTROLS

LMRC-211

1-RELAY 0-10V DIMMING CONTROLLER

Provides one (1) controllable switch-leg

with one (1) channel of 0-10V dimming

0000

0-10VDC DIMMING BALLAST REQUIRED.

① ❖

1-ZONE NON-DIMMING LIGHTING CONTROLS LMRC-213 3-RELAY 0-10V DIMMING CONTROLLER

NEUTRAL WHT,

UNSWITCHED HOT BLK

CONNECT TO DIMMING ROOM CONTE

ISOLATED RELAY

7mA Low Voltage

For fan control, HVAC or

Alarm interface. 24V 1A SPDT Relay

1 NO/NC output terminal

SGM

3-PORT

6

5

GENERAL NOTE:

CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE, TYP.

CD

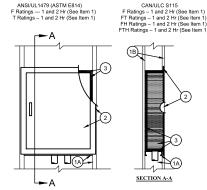
E6.3

GENERAL NOTE: BACK TO BACK BOXES NOT ALLOWED.

1-HR FIRE RATED WALL PENETRATION ELECTRICAL RECEPTACLE CAULKING (TYP.)

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

System No. W-L-7190



- Wall Assembly The 1 or 2 hr fire rated framed gypsum board wall assembly shall be constructed of the materials and in the manne specified in the individual 1300, 1400, 1400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and st include the following construction features:
- A. Studs Wall framing shall consist of steel channel studs or wood studs. Steel studs to be min 6 in. (152 mm) wide and spaced max 24 in. (610 mm) OC. Wood studs to be norn 2 by 6 in. (51 by 152 mm) or larger and spaced max 16 in. (406 mm) OC. An additional framing member shall be used to form a shelf within the wall cavity to support the steel box (Item 2) and mat fill material (Item 3). The framed opening is to be 1 in. (25 mm) wider than the width of the steel box.

The hourly F. T. FT. FH and FTH Ratings are equal to the hourly rating of the wall assembly.

- The hourly F. T. F.T. PH and FTH Ratings are equal to the hourly rating of the wall assembly.

 2. Steel Box Nin 19 gauge, max 20 in, 608 mm) wide by max 48 in, (122 m) high by max 6 in, (152 mm) deep for steel stud valls. Min 19 gauge, max 12 in, (305 mm) wide by max 48 in, (122 m) high by max 6 in, (122 m) high by max 6 in, (152 mm) deep for wood stud valls. Box to be recessed with hipped steel door and mounting flagos. Steel box secured to steel studs with steels acreed after application of mat material (Item 3) on exterior surfaces of steel box. Bottom and/or top of steel box may be penetrated by one 2 in, (51 mm) diam steel EMT conduit and up to hever 1 in, (25 mm) max diam installed from the top and one in, (25 mm) and one 34 in, (19 mm) diam conduit and up to hever 1 in, (25 mm) max diam installed from the bottom of the box. Open pipes or tubes which terminate within the box shall be sealed with caulk (Item 4) or plugged with a bail of putty (Item 5).

 5. Fill, Vold or Gavity Materials* Mat Nominal 0 J ht, (10 mm) bits cluminum foll faced endothermic max supplied in 24 in wide rolls, individual pieces of mat cut to cover four sides and back of box and laminated to box with high strength, fast, contact bye adhesive (oil face exposed). The mat sections on the top and bottom of the box shall be cut to overfait by max 6 in the mat or box. The mat sections on the back of the box shall be cut to power the edge of the mat sections on the sides of the box. The mat section of the box shall be cut to overfait in, (in 6 to 13 mm) larger than outside diam of pipe or tube. All corners and butted seams in the mat are to be covered with min 2 mil aluminum foil tape.

 334 COMBANY 38 IEEE PROTECTION BOX DESTA 57.54 Are 15.44 Met

3M COMPANY 3M FIRE PROTECTION PRODUCTS - Type E-54A or E-5A-4 Mat

- 4. Fill, Void or Cavity Materials* Caulk or Sealant (Not Shown) Non 1/4 in. (6 mm) diam bead of caulk applied to the edge of the mat material around the perimeter of the box mounting flange. Additional caulk fill material shall be used to completely fill each circular cutout made in the mat material to accommodate a pipe or tube. The end of each open pipe or tube which terminates within the box shall be sealed with a min 1/2 in. (13 mm) depth of caulk.
- 3M COMPANY 3M FIRE PROTECTION PRODUCTS Type CP 25WB+ Caulk, FB-3000WT Sealant Fill, Void or Cavity Materials* – Putty – (Not Shown) - As an alternate to the caulk (Item 4), the end of each open pipe or tube which
 terminates within the box may be sealed with a min 1/2 in. (13 mm) depth of putty fill material.
- 3M COMPANY 3M FIRE PROTECTION PRODUCTS Type MP+ Moldable Putty

Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

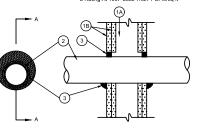
1-HR & 2-HR FIRE RATED WALL PENETRATION (FOR RECESSED PANEL)

Regulatory Agency Approval

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

U.L. System No. W-L-1049

F Rating-1 and 2 Hr (See Item 1B)
T Rating-0 HR
L Rating At Ambient-Less Than 1 CFM/sq f
L Rating At 400F-Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly-The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating litem such that, when the penetrating litem is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.

B. Wallboard, Gypsum*-5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 25-3/4 in. for steel stud walls. Max diam of opening is 14-1/2 in.

2. Through Penetrant-One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/4 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe-Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe

B. Iron Pipe-Nom 24 in. diam (or smaller) cast or ductile iron pipe

C. Conduit-Nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) steel conduit or nom I

D. Copper Tubing-Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe-Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe

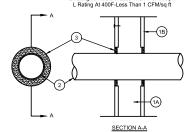
3. Fill. Void or Cavity Material*-Sealant-Min 5/8 in. thickness of fill ial applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrant naterial applies whith a finding, lost with our surfaces of wait. At the point contact account retrieves introop, pertectant and gypsum wallboard, a min 3/8 in, diam bead of fill material shall be applied at the gypsum wallboard/through penetrant interface on both surfaces of wall.

Specified Technologies Inc.-SpecSeal 100, 101, 102 or 105 Sealant bearing the UL Classification Marking

2-HR FIRE-RATED WALL PENETRATION

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

U.L. System No. W-L-1062 F Rating-1 HR T Rating-0 HR mbient-Less Tha



1. Wall Assembly-The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Director, and shall include the following construction feature.

A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in OC. Steel studs to be min 3 5/8 in. wide and spaced max 24 in. OC.

B. Wallboard Gypsum*-One Layer of nom 5/8 in. thick gypsum wallboard as specified in the individual Wall and Partition

2. Through Penetrants-One metallic conduit to be installed within the firestop system. The space between the conduit and periphery of opening shall be a min 14 in. to a max 38 in. Conduit to be rigidly supported on both sides of wall assembly. A nominal 4 in. diameter (or smaller) electrical metallic bubing or steel conduit may be used.

3. Fill, Void or Cavity Material*-Caulk-Min 1 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall

General Electric Co.-Pensit 100 Caulk.

Specified Technologies Inc.-Pensil 100 Sealant and Pensit 300 Sealant.

1-HR FIRE-RATED WALL PENETRATION

DSA: 01 -120361 / File: 43-7





AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

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BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

INU	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
<u></u>	Addendum No. 5	Nov. 3, 2022

ELECTRICAL DETAILS

July 19, 2022

E6.4

CD

GROUT OR MORTAR

INSTALLED IN THE ANNULAR

SEE FLOOR PLAN DRAWINGS

FOR RATED FLOOR LOCATIONS

FLOOR PENETRATION PER 2019 CALIFORNIA

SECTION 714.5.1, EXCEPTION 2.

SECTION

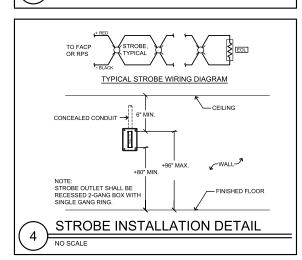
2-HR FIRE-RATED FLOOR PENETRATION

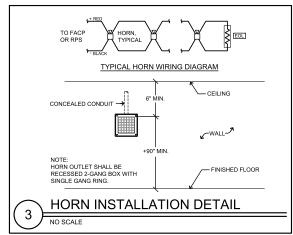
- STEEL, FERROUS OR COPPER

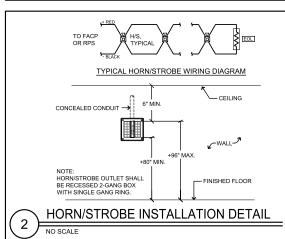
NOMINAL DIAMETER

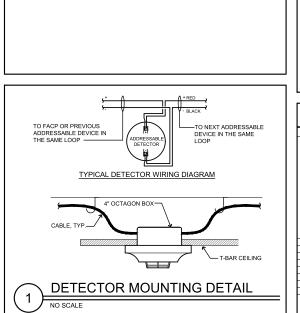
CONDUITS, PIPES TUBES AND VENTS WITH A MAXIMUM 6-INCH

3









FIRE ALARM EQUIPMENT LIST DESCRIPTION AND MODEL NUMBER MFGR'S PART No. CSFM LISTING EXISTING FIRE ALARM CONTROL PANE AND DIGITAL ALARM COMMUNICATOR TRANSMITTER (DACT). FACP ADDRESSABLE MONITOR MODULE. Δ М ADDRESSABLE CONTROL MODULE. С DUAL-ACTION ADDRESSABLE PULL STATION WITH A KEY LOCK RESET FEATURE. 50-0075:018 □Р ADDRESSABLE PHOTOELECTRIC SMOK FIRE LITE SD355 272-0075:019 **2** 315-0075:051 RPS SYSTEM SENSOR 125-1653:050 Ø 员 SYSTEM SENSOR 135-1653:050 WALL MOUNTED WEATHERPROOF HOR Zw SYSTEM SENSOR 300-1653:018 END OF LINE EOL

FIRE ALARM GENERAL NOTES

- . WIRING MUST BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ARTICLE 760
- WIRE USED IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WIT 3-310-8, T24/CEC (I.E. THHW OR EQUAL).
- . UNDER GROUND AND EXTERIOR CONDUITS TO HAVE WATERTIGHT FITTINGS AND WIRES APPROVED FOR WET LOCATION.
- 4. ALL CONDUCTORS SHALL BE ROUTED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. MINIMUM CONDUIT SIZE SHALL BE 3/4."
- . THE CONDUIT AND WIRE SHOWN ON THESE PLANS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS. "AS-BUILT" PLANS SHALL BE MAINTAINED AND BE PROVIDED AS REQUIRED BY THE ARCHITECT OR ELECTRICAL ENGINEER.
- PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CHAPTER 7, TITLE 24. PROVIDE DETAILS OF THROUGH PENETRATION FIRE-STOP SYSTEMS FOR ALL PIPE/CABLE/CONDUIT PASSING THROUGH FIRE RATED WALLS/FLOORS REQUIRING PROTECTED OPENINGS.
- ALL DEVICES SHALL BE "CSFM" LISTED.
- EXTERIOR DEVICES SHALL BE LISTED FOR EXTERIOR USE BY "CSFM."
- 9. AUDIBLE ALARM PRODUCED BY "FACP" SHALL SOUND THE CALIFORNIA UNIFORM SIGNAL IN TEMPORAL MODE
- AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15DBA ABOVE THE AVERAGE SOUND LEVEL.
- 11. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 50BA AT 10 FEB TO R MORE THAN 110DBA AT THE MINIMUM HEARING DISTANCES FROM THE AUDIBLE APPLIANCE.
- WHERE VISUAL DEVICES ARE REQUIRED, VISUAL DEVICE SHOULD NOT EXCEED 2
 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND.
 THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. NO
 PLACE IN ANY ROOM SHALL BE MORE THAN 50 FEET FROM A DEVICE.
- 13. POWER SERVICE SHALL BE ON A DEDICATED, 120V BRANCH CIRCUIT, WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL."
- 14. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY OFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UIUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
- 15. EXISTING FIELD DEVICES SHALL REMAIN IN PLACE UNTIL NEW FIELD DEVICES ARE IN PLACE AND NEW WIRING HAS BEEN HOMERAN TO THE FACP.
- 16. UNLESS SPECIFICALLY SHOWN ON THESE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR AUTHORIZATION IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD AND DSA.

SYMBOLS & ABBREVIATIONS

SYMBOL

CONDUIT - CONCEALED IN WALLS OR CEILING.

CONDUIT - IN OR BELOW FLOOR: 3/4°C MIN.

CONDUIT CONTINUATION.

201 ROOM NUMBER.

2

SEE ASSOCIATED NOTE ON SAN SHEET.

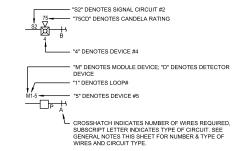
2 E1

DETAIL OR SECTION DESIGNATION

ABBREVIATIONS

ARCH.	ARCHIECI	rou	LIKE SIMOKE DAIMINEK
AWG	AMERICAN WIRE	IDC	INITIATING DEVICE
	GAUGE		CIRCUITS
BKR	BREAKER	(N)	NEW
C	CONDUIT	NAC	NOTIFICATION APPLIANCE
CB	CIRCUIT BREAKER		CIRCUITS
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
(E)	EXISTING	SLC	SIGNALING LINE
EOL	END OF LINE		CIRCUITS
FA	FIRE ALARM	TYP	TYPICAL
		UON	UNLESS OTHERWISE
FACP	FIRE ALARM		NOTED
	CONTROL PANEL	WP	WEATHERPROOF
FBO	FURNISHED BY OTHERS		

TYPICAL ZONE NOMENCLATURE



PROJECT DESCRIPTION

SCOPE OF WORK: INSTALL ADDRESSABLE INITIATION AND NOTIFICATION FIRE ALARM DEVICES.

SYSTEM DESCRIPTION: SLC = CLASS B IDC = CLASS B NAC = CLASS B

FIRE ALARM SYSTEM DESIGN BY: NAJIB ANWARY PE

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval

McKim Design Group

4595 Cherry Avenue, First Floor, San Jose, CA 95118
ph. (408) 927-8110 tax (408) 927-8112

Engineer Seal



AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

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Architect Seal

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\triangle	Addendum No. 5	Nov. 3, 2022
Dray	wing Title	

FIRE ALARM SYMBOLS, ABBREVIATIONS, EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES

Project No. 2203

July 19, 2022

Drawing Number

CD FA0.1

FIRE ALARM SYSTEM OPERATIONAL MATRIX

ALARM TROUBLE SUPERVISORY MISC.

ALARM TROUBLE SUPERVISORY MISC.

REMARKS

MOKE DETECTORS

EAT DETECTORS

ANUAL PULL STATIONS

ANUAL PULL S

		EXISTING FIRE LITE ES-50X				
QTY	PRODUCT	DESCRIPTION		NDBY	ALARA	
	ID		EACH	TOTAL	EACH	TOTAL
- 1		(E) PANEL CONNECTIONS	0.140200	0.140200	0.309200	0.309200
		PANEL STANDBY CURRENT		0.140200		
		PANEL ALARM CURRENT				0.309200
		FIELD DEVICES				
QTY	PRODUCT	DESCRIPTION		NDBY	ALARA	
	ID		EACH	TOTAL	EACH	TOTAL
1	CMF-300	ADDRESSABLE CONTROL MODULE	0.000375	0.000375	0.000375	0.000375
10	BG-12LX	ADDRESSABLE DUAL ACTION PULL STATION	0.000375	0.003750	0.005000	0.050000
2	SD355	ADDRESSBALE PHOTOELECTRIC SMOKE DETECTOR	0.000300	0.000600	0.000300	0.000600
- 1	MMF-300	ADDRESSABLE MONITOR MODULE	0.000375	0.000375	0.000375	0.000375
- 1	NAC #1	NOTIFICATION CIRCUIT S1	0.000000	0.000000	0.949000	0.949000
1	NAC #2	NOTIFICATION CIRCUIT S2	0.000000	0.000000	0.850000	0.850000
		DESCRIPTION		STANDBY		ALARM
		CONTROL PANEL		0.140200		0.3092
		FIELD DEVICES		0.004725		1,8499
		TOTAL STANDBY CURRENT		0.144925		
		X 24 HOUR STANDBY	_	3.478200		
		TOTAL ALARM CURRENT 15 MINUTES OF ALARM (X. 25)				2.1591
						0.5397
		TOTAL BATTERY REQUIREMENT				4.0179
		SAFETY MARGIN (20%) BATTERY SUPPLIED				4.8215 (2) 12V 32
		BATTERY CALCULATION	N RPS-2			
QTY	MODEL		N RPS-2	STANDBY		ALARM
		No. DEVICE DESCRIPTION	-	ACH TO		ACH TOTAL
1	MODEL I	No. DEVICE DESCRIPTION S REMOTE POWER SUPPLY	E 0.	ACH TO	290 0.13	ACH TOTAL 290 0.1290
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CIRCUIT 53	0.	ACH TO 1290 0.1: 1000 0.0	290 0.12	ACH TOTAL 290 0.1290 760 0.7760
1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CIRCUIT S3 NOTIFICATION CIRCUIT S4	0.	ACH TO 1290 0.11 0000 0.0 0000 0.0	290 0.12 000 0.7 000 0.7	ACH TOTAL 290 0.1290 760 0.7760
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CIRCUIT S3 NOTIFICATION CIRCUIT S4 PANEL STANDBY CURRENT	0.	ACH TO 1290 0.1: 1000 0.0	290 0.12 000 0.7 000 0.7	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CIRCUIT S3 NOTIFICATION CIRCUIT S4	0.	ACH TO 1290 0.11 0000 0.0 0000 0.0	290 0.12 000 0.7 000 0.7	ACH TOTAL 290 0.1290 760 0.7760
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION GROUT S3 NOTIFICATION GROUT S4 PANEL STANDBY CURRENT PANEL ALARMS CURRENT	0.	ACH TO 1290 0.1: 1000 0.0: 0.0: 0.1: 0.1: 0.1: 0.1	290 0.12 000 0.7 000 0.7	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION GROUT S3 NOTIFICATION GROUT S4 PANEL STANDBY CURRENT PANEL ALARMS CURRENT	E 0.	ACH TO 1290 0.1: 1000 0.0: 0.0: 0.1: 0.1: 0.1: 0.1	290 0.15 300 0.75 300 0.76 290	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040 1.6090
1 1		No. DEVICE DESCRIPTION S REMOTE POWER SUPPLY NOTHERATION CRECUIT SS NOTHERATION CRECUIT SI PANEL STANDBY CURRENT PANEL ALARM CURRENT TOIL	E 0.	ACH TO' 1290 0.1: 1000 0.00 1000 0.01 1011 0.1: RRENT	290 0.15 300 0.75 300 0.76 290	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040 1.6090
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CIRCUIT SI NOTIFICATION CIRCUIT SI NOTIFICATION CIRCUIT SI PANEL STANDBY CURRENT PANEL ALARM CURRENT TOI DESCRIPTION	E 0.	ACH TO 1290 0.1: 10000 0.0 10000 0.0 1011 RREENT	290 0.13 300 0.73 300 0.73 290	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040 1,6090
1 1		No. DEVICE DESCRIPTION S REACTIF POWER SUPPLY NOTIFICATION CROUIT 53 NOTIFICATION CROUIT 54 PAREL STANDEY CLIRENTY POREL ALGORIC CONFERNY DOES CREPTION TOTAL STANDER CLIRENTY (4)	E 0.	ACH TO 1290 0.1: 10000 0.0 10000 0.0 1011 RREENT	290 0.1: 500 0.7: 500 0.7: 500 0.7: 290	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040 1.6060
1 1		No. DEVICE DESCRIPTION REMOTE POWER SUPPLY NOTIFICATION CROUIT SS NOTIFICATION CROUIT SS NOTIFICATION CROUIT SS PAGE, LEVILOR COMMENT THOSE AND COMMENT TOTAL SAME COMMENT (A) TOTAL STANDEY COMMENT (A) TOTAL STANDEY COMMENT (A) TOTAL ANAMICAMENT (S) TOTAL ANAMICAMENT (S)	E 0.	ACH TO 1290 0.1: 10000 0.0 10000 0.0 1011 RREENT	290 0.1: 500 0.7: 500 0.7: 500 0.7: 290	ACH TOTAL 250 0.1250 760 0.7760 040 0.7040 1.6050 ALARM
1 1		No. DEVICE DESCRIPTION 3 REMOTE POWER SUPPLY NOTPICATION CREQUIT SS NOTPICATION CREQUIT SS PANEL SANDEY CURRENT PANEL BLAMM CURRENT DESCRIPTION TOTAL STANDEY CURRENT (A) X 24 HOUR STANDEY TOTAL ALAMA CURRENT (B)	E 0.	ACH TO 1290 0.1: 10000 0.0 10000 0.0 1011 RREENT	290 0.1: 500 0.7: 500 0.7: 500 0.7: 290	ACH TOTAL 290 0.1290 760 0.7760 040 0.7040

GENERAL NOTE:

CABLE LEGEND

UNLESS OTHERWISE NOTED, ALL SHOWN IS NEW.

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14

TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

DENOTES NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (J. PAR OF BY 2 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

Regulatory Agency Approval

DSA: 01 -120361 / File: 43-7







ENGINEERS MONTEREY BAY, INC.

Project No. 22-149.00

60 Garden Court

Suite 210

Monterey, CA 93940 T.831.646.3330 • F.831.646.3336 • www.acemb.com

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Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

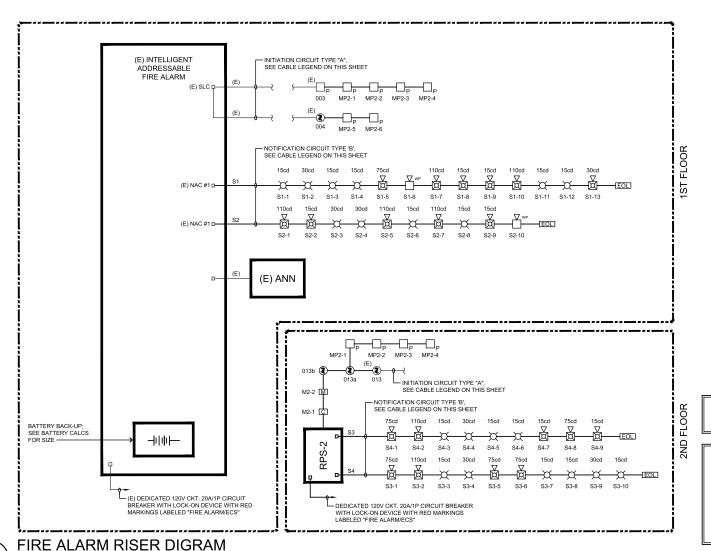
NO	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
<u></u>	Addendum No. 5	Nov. 3, 2022
D	- In a Tital -	

FIRE ALARM RISER DIAGRAM, BATTERY & VOLTAGE DROP CALCULATIONS

2203

July 19, 2022

Drawing Number



CD

FA1.1

. PROVIDE & INSTALL ENGRAVED LAMICOID NAMEPLATE ON FACE OF DEVICE READING "EOL".

DSA: 01 -120361 / File: 43-7

Regulatory Agency Approval

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14
TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.





AURUM CONSULTING Engineers MONTEREY BAY, INC.

Project No. 22-149.00

60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

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Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

INO	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
<u></u>	Addendum No. 5	Nov. 3, 2022
_		

Drawing Title

FIRE ALARM PLAN -FIRST FLOOR

July 19, 2022 2203 Drawing Number

CD

FA4.1

FIRE ALARM PLAN - FIRST FLOOR SCALE: 3/16"=1'-0"

Regulatory Agency Approval

DSA: 01 -120361 / File: 43-7

CABLE LEGEND

○ SHEET NOTES

. PROVIDE & INSTALL ENGRAVED LAMICOID NAMEPLATE ON FACE OF DEVICE READING "EOL".

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14
TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.



Engineer Se





Project No. 22-149.00

60 Garden Court ◆ Suite 210 ◆ Monterey, CA 93940 T.831.646.3330 ◆ F.831.646.3336 ◆ www.acemb.com

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Architect Sea

Project Title

DISTRICT OFFICE TI

981 RIDDER PARK DR SAN JOSE, CA 95131

Client

BERRYESSA UNION SCHOOL DISTRICT 1376 PIEDMONT RD. SAN JOSE, CA 95132

NO	Revisions/Submissions	Date
2	District/ CM Comments	Oct. 6, 2022
3	Addendum No. 3	Oct. 21, 2022
4	Addendum No. 4	Oct. 26, 2022
<u></u>	Addendum No. 5	Nov. 3, 2022
5	1 Miles	

Drawing Title

FIRE ALARM PLAN -SECOND FLOOR

Project No.
2203

Date
July 19, 2022

Drawing Number

CD

FA4.2

1 FIRE ALARM PLAN - SECOND FLOOR
SCALE: 3/16"=1'-0"

NODELL