Chualar Union School District

CONTRACT FOR REPAIRS, MAINTENANCE OR CONSTRUCTION SERVICES OVER $75,000 AWARDED PURSUANT TO CUPCCAA

THIS CONTRACT is made and entered into as of the last date of signature hereto ("**Contract**"), by and between **JAMES DAY CONSTRUCTION, INC. DBA COASTAL MOUNTAIN ELECTRIC** ("**Contractor**") and **CHUALAR UNION SCHOOL DISTRICT** ("District"). Contractor and District may be referred to herein individually as a "**Party**" or collectively as the "**Parties**."

1. **Contract Price & Services.**

a. After the District has issued a Notice to Proceed or a fully executed Contract, the Contractor shall furnish to the District the repairs, maintenance or construction services identified below and as more fully described in **Exhibit A** attached hereto ("**Services**" or "**Work**") subject to the conditions below and for the price indicated below.

Project: Emergency Backup Generator Installation for the Nutrition Services Department's Walk-In Refrigerator and Freezer.

("**Contract Price**"):

BASE CONTRACT (In Dollars$):

		,				.		
8	**4**		**9**	**9**	**8**		**0**	**0**
Dollars							Cents	

Allowance to provide additional similar work as may be needed based on final tracing and trouble identification.	$ 1,000.00 Dollars
Maximum Contract Price	**$ 85,998.00 Dollars**

b. **Allowances**: If this Contract includes allowances, an allowance is a value added to the Base Contract amount for scope items defined by the district. **Allowance items shall only be used by Contractor with the District's prior written permission**. Contractor shall use the change order provisions of this Contract to apply for the use of an Allowance item. All unused allowance values at the end of the Project shall be retained by the District.

1. **Payment.** Payment for the Work shall be made in accordance with the Terms and Conditions to Contract ("**Terms and Conditions**") attached hereto.

2. **Site and Work Time/Noise.** Contractor shall perform the Work at 24285 Lincoln Street, Chualar, CA 93925. The "**Project**" is the scope of Work performed at the Site. Construction work is limited to weekdays between the hours from 8:00 a.m. to 5:00 p.m. Exceptions shall only be granted by written permission from the District Representative at least 48 hours in advance.

3. **Site Access and Security**. In addition to any requirements herein, Contractors' representatives driving motor vehicles on school grounds must use extreme caution during the times when school is in session or when children are on the playground. Drivers entering school premises when school is not in session will lock any gate or door to which they have access both when entering and/or leaving grounds. Any unusual Condition noted by drivers such as gates or doors found unlocked and/or opened, evidence of vandalism, etc., must be reported to the District Representative immediately.

4. **Contract Time & Liquidated Damages.** Work shall be completed by or before **05/22/2026** ("**Contract Time**"). Contractor agrees that if the Work is not completed within the Contract Time and/or pursuant to the completion schedule, construction schedule, or project milestones developed pursuant to provisions of the Contract, it is understood, acknowledged, and agreed that the District will suffer damage which is not capable of being calculated. Pursuant to Government Code section 53069.85, Contractor shall pay to the District, as fixed and liquidated damages for these incalculable damages, the sum of **$150.00** per day for each and every calendar day of delay beyond the Contract Time or beyond any completion schedule, construction schedule, or Project milestones established pursuant to the Contract.

5. **Bonds & Insurance.**

   a. **Payment Bond & Performance Bond:**
   ☐ **IS NOT REQUIRED – PROJECT SIZE IS DETERMINED TO BE BELOW $25K**

   ☒ **IS REQUIRED:** Contractor shall not commence the Work until it has provided to the District, a Payment (Labor and Material) Bond and a Performance Bond, in the forms attached hereto, each in an amount equivalent to one hundred percent (100%) of the Contract Price issued by a surety admitted to issue bonds in the State of California and otherwise acceptable to the District. The District reserves to waive this requirement in writing at its sole discretion and negotiate a deduction of the cost from the base proposal in the event the Contract Price is below $25,000.

   b. **Insurance:** Contractor shall have and maintain in force during the term of this Contract, with the minimum indicated limits, the following insurance:

Commercial General Liability, with Products and Completed Operations Coverage	$1,000,000 each occurrence $5,000,000 aggregate
Automobile Liability, Any Auto, Combined Single Limit	$1,000,000 each occurrence $2,000,000 aggregate
Workers Compensation	Statutory limits pursuant to State law

Employers' Liability	$1,000,000 each incident, disease $2,000,000 policy limit
~~**Sexual Abuse / Molestation**~~	~~$1,000,000 each incident~~ ~~$2,000,000 policy limit~~
Builder's Risk (Course of Construction)	N/A

DISTRICT MAY ADJUST THESE LIMITS AT THE DISTRICT'S SOLE DISCRETION BASED ON SIZE AND SCOPE OF THE CONTRACT.

Contractor shall provide the District certificate(s) of insurance and endorsements satisfactory to the District. The policy(ies) shall not be amended or modified, and the coverage amounts shall not be reduced without thirty (30) days written notice to the District prior to cancellation. Except for worker's compensation insurance, the District, the Architect, and the Project Manager shall be named as additionally insureds on all policies. Contractor's policy(ies) shall be primary; any insurance carried by the District shall only be secondary and supplemental. Contractor shall not allow any subcontractor, employee, or agent to commence Work on this Contract or any subcontract until the insurance required of Contractor, subcontractor, or agent has been obtained, and the certificate(s) of insurance and endorsements have been provided to the District; provided, however, that the District reserves the right to reject an insurance policy(ies) if they do not conform with the above insurance requirements.

6. **Project Oversight.** The District representative for the Project is Yen Le, Business Manager. Contact Information: Desk: 831-679-2504 x 108; email: yle@chualarusd.org

7. ☐ **This box will be checked by the district if Federal Funding requirements apply.** If the Project is funded in whole or part by federal funding, including, without limitation, any funds from any component or iteration of the Elementary and Secondary School Emergency Relief ("**ESSER**") programs, Contractor acknowledges that this Project is subject to federal procurement/contracting requirements. Contractor agrees to fully comply with all federal requirements, including, without limitation, the federally required contract provisions attached hereto as **Exhibit C**.

8. **Terms & Conditions.** The Contractor agrees to comply with the Terms and Conditions attached hereto.

9. **Contract Documents.** The Contract Documents include only the following documents, as indicated:

___ Proposal Form
___ Notice to Proceed
_✓_ Terms and Conditions to Contract
___ Non Collusion Declaration
___ Certifications to be Completed by Contractor
___ Criminal Background Investigation Certification

_✓_ Performance Bond
_✓_ Payment Bond
_✓_ **Exhibit A** (Scope of Work & Specifications)
_✓_ Map
___ Work Specifications
___ _____ [Other]
___ **Exhibit B** (Federal Procurement

___ Insurance Certificates and Endorsements Provisions)

10. **Notice**. Any notice required or permitted to be given under this Agreement shall be deemed to have been given, served, and received if given in writing and either personally delivered or sent by overnight delivery service addressed as follows:

District:
Chualar Union School District
24285 Lincoln St., PO BOX 188,
Chualar, CA 93925-0188
Attn: Yen Le, Business Manager

Contractor:
James Day Construction, Inc.
DBA Coastal Mountain Electric
P.O. Box 678
Lower Lake, CA 95457
Attn: Bryan Mann, Project Manager

Any notice personally given shall be effective upon receipt. Any notice sent by overnight delivery service shall be effective the business day next following delivery thereof to the overnight delivery service.

ACCEPTED AND AGREED on the date indicated below. By signing this Contract, Contractor certifies, under penalty of perjury, that all the information provided in the Contract Documents is true, complete, and correct:

James Day Construction, Inc. dba Coastal Mountain Electric	**CHUALAR UNION SCHOOL DISTRICT**
Contractor	**District**
3/17/26	3/17/26
Date	**Date**
Jon Rogers	Ruben Pulido
Signature	**Signature**
Jon Rogers	**RUBEN PULIDO**
Print Name	**Print Name**
President	**SUPERINTENDENT/PRINCIPAL**
Print Title	**Print Title**
License #: 507105	
DIR Registration # 1000008522	

NOTE: If the Contractor is a corporation, Contractor must attach a certified copy of the corporation's by-laws, or of the resolution of the Board of Directors of the corporation, authorizing the above person to execute this Agreement and the bonds required by the Contract Documents.

END OF AGREEMENT

Information regarding Contractor:

Type of Business Entity:
____ Individual
____ Sole Proprietorship
____ Partnership
____ Limited Partnership
__X__ Corporation
____ Limited Liability Company
____ Other:
_____

Employer Identification Number or Social Security Number:
68-0116758

NOTE: United States Code, title 26, sections 6041 and 6109 require non-corporate recipients of $600 or more to furnish their taxpayer identification number to the payer. The United States Code also provides that a penalty may be imposed for failure to furnish the taxpayer identification number. In order to comply with these rules, the District requires your federal tax identification number or Social Security number, whichever is applicable.

Contractor representative for onsite work:

Name:	Title:	Mobile:
Jon Rogers	President	707-350-2603

Email:
jonrogers48@gmail.com

TERMS AND CONDITIONS TO CONTRACT

1. NOTICE TO PROCEED: District shall provide a Notice to Proceed to Contractor pursuant to the Contract at which time Contractor shall proceed with the Work.

2. SITE EXAMINATION: Contractor has examined the Site and certifies that it accepts all measurements, specifications and conditions affecting the Work to be performed at the Site. By submitting its bid/proposal and signing this Contract, Contractor warrants that it has made all Site examination(s) that it deems necessary as to the condition of the Site, its accessibility for materials, workers and utilities, and Contractor's ability to protect existing surface and subsurface improvements. No claim for allowance of time or money will be allowed as to any other undiscovered condition on the Site.

3. CONSTRUCTION SCHEDULE / SUBCONTRACTOR LIST: Contractor shall provide the District a Construction Schedule for the Work and a Subcontractor List as indicated in this Contract. Both the Construction Schedule and Subcontractor List are subject to the District's approval.

4. EQUIPMENT AND LABOR: The Contractor shall furnish all tools, equipment, apparatus, facilities, transportation, labor, and material necessary to furnish the Services, the Services to be performed at such times and places as directed by and subject to the approval of the authorized District representative indicated in the Work specifications attached hereto. All equipment onsite must be compliant with the California Air Resources Board (CARB) regulations as appropriate and certifications shall be available upon request.

5. SUBCONTRACTORS: Contractor shall comply with the Subletting and Subcontracting Fair Practices Act (Public Contract Code, section 4100 et. seq.) Contractor shall identify by name and location of the place of business of each subcontractor who will perform work or labor or render service in or about the construction of the Project in an amount in excess of one-half of 1 percent of the Contractor's contract price or ten thousand dollars ($10,000) whichever is greater. Subcontractors, if any, engaged by the Contractor for any Service or Work under this Contract shall be subject to the approval of the District. Contractor agrees to bind every subcontractor by the terms of the Contract as far as such terms are applicable to subcontractor's work, including, without limitation, all indemnification, insurance, bond, and warranty requirements. If Contractor subcontracts any part of this Contract, Contractor shall be fully responsible to the District for acts and omissions of its subcontractor and of persons either directly or indirectly employed by itself. Nothing contained in the Contract Documents shall create any contractual relations between any subcontractor and the District.

6. TERMINATION: If Contractor fails to perform the Services and Contractor's duties to the satisfaction of the District, or if Contractor fails to fulfill in a timely and professional manner Contractor's obligations under this Contract, or if Contractor violates or otherwise breaches any of the Terms or Provisions of this Contract, the District shall have the right to terminate this Contract effective immediately upon the District giving written notice thereof to the Contractor. District shall also have the right in its sole discretion to terminate the Contract for its own convenience. Termination shall have no effect upon any of the rights and obligations of the Parties arising out of any transaction occurring prior to the effective date of termination. Upon termination, Contractor shall provide the District with all documents produced maintained or collected by Contractor pursuant to this Contract, whether or not such documents are final or draft documents.

7. SAFETY AND SECURITY: Contractor is responsible for maintaining safety in the performance of this Contract. Contractor shall be responsible for complying with the District's rules and regulations pertaining to safety, security, and driving on school grounds, particularly when children are present.

8. CHANGE IN SCOPE OF WORK:

8.1. No Change Without Authorization: Any change in the scope of the Work, method of performance, nature of materials or price thereof, the time for performance, or any other matter materially affecting the performance or nature of the Work shall not be paid for or accepted by the District unless that change, addition, or deletion is approved in advance and in writing by a valid change order executed by the District.

8.2. District Right to Request Changes: Contractor specifically understands, acknowledges, and agrees that the District shall have the right to request any alterations, deviations, reductions, or additions to the Project or Work, and the cost thereof shall be added to or deducted from the amount of the Contract Price by fair and reasonable valuations. The District may accomplish any of the foregoing, in its discretion, by issuing a unilateral change order.

8.3. Proposed Change Order:

8.3.1. **Submission / Time to Submit**: Contractor may seek an adjustment to the Contract Time or Contract Price only by submitting a proposed change

order to the District within five (5) days of the date Contractor discovers, or reasonably should discover, the circumstances giving rise to the proposed change order, unless additional time to submit a proposed change order is granted in writing by the District.

8.3.2. **Content of Proposed Change Order**: Contractor and subcontractors shall include the following in any proposed change order:

8.3.2.1. Labor: Labor breakdown by trade classification, wage rates, and estimated hours. Wages shall not exceed current prevailing wages in the locality for performance of the changes. The Contractor's or subcontractors' (including second-tier subcontractors') labor burden and Workers' Compensation premium shall only be charged at 20% of the total charge for labor costs. In no event shall Contractor include any other charges than as indicated herein without the District's prior written approval.

8.3.2.2. Material: Material quantities, and types of products, and transportation costs, if applicable.

8.3.2.3. Equipment: Equipment breakdown by make, type, size, rental rates (if not owned), equipment hours and transportation costs, if applicable. The equipment costs shall not exceed one hundred percent (100%) of the Association of Equipment Distributors (AED) rental rates and delay factors or Caltrans rates and delay factors, whichever is less. Hourly, daily, or weekly rates shall be used, whichever is lower. Hourly rates including operator shall not be used. The time to be paid for equipment shall be the actual time that the equipment is in (1) productive operation on the Work or (2) idled because of the event or circumstance giving rise to the proposed change order.

8.3.2.4. Mark-Up for Overhead and Profit: Mark-up for overhead and profit in a proposed change order shall be calculated as follows:

8.3.2.4.1. **Subcontractor-Performed Work**: Subcontractors shall be entitled to a total cumulative mark-up for overhead and profit of 8% on the total of Labor (including labor burden and Workers' Compensation premium), Material, and Equipment **only** for both the subcontractor and the subcontractor's subcontractor(s) (e.g., all "lower-tier" subcontractors) performed Work. Contractor shall be entitled to a 6% mark-up on the same items, **excluding subcontractor's mark-up for overhead and profit**.

8.3.2.4.2. **Contractor-Performed Work**: Contractor shall be entitled to a mark-up for overhead and profit of 6% of the total of the Labor (including labor burden and Workers' Compensation premium), Material, and Equipment for Contractor performed Work.

8.3.3. **Contract Time**: Any request for an adjustment to the Contract Time must be supported by a time impact analysis identifying critical schedule activities delayed by an event beyond the Contractor's reasonable control.

8.4. Determination of Change Order Cost: The District shall use any reasonable means to calculate the cost of a change order in its sole discretion, including, without limitation: the acceptance of a proposed change order; agreement between the District and Contractor; and, the actual and necessary costs incurred by Contractor based on cost records produced to the District and based on the District's reasonable evaluation of the Work and market research.

8.5. Contractor Obligation to Substantiate: Contractor agrees to provide the District with all information requested to substantiate the cost of any change order and to inform the District whether the Work will be done by the Contractor or a subcontractor. If Contractor fails to reasonably substantiate any requested change in the scope of work, or Contractor fails to timely cooperate with the District to provide substantiation for the costs of any change order, Contractor waives any claim for additional compensation. In addition to any other information requested, Contractor shall submit, prior to approval of any change order, its request for a time extension (if any), as well as all information necessary to substantiate Contractor's belief that such change will delay the completion of the Work.

8.6. Waiver: If Contractor fails to submit its request for a time extension or the necessary supporting information, it shall be deemed to have waived its right to request such extension. Contractor waives any claim for additional compensation for any change in the scope of work if Contractor performs the work without written approval of the District.

9. TRENCH SHORING: If this Contract is in excess of $25,000 and is for the excavation of any trench deeper than five (5) feet, Contractor must submit and obtain District's approval and acceptance, in advance of excavation, of a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If the plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer.

10. EXCAVATIONS OVER FOUR FEET: If this Contract includes excavations over four (4) feet,

Contractor shall promptly, and before the following conditions are disturbed, notify the District, in writing, of any: (1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (2) Subsurface or latent physical conditions at the Site differing from those indicated; or (3) Unknown physical conditions at the Site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract. The District shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a change order under the procedures described in the Contract. In the event that a dispute arises between the District and the Contractor regarding whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the Contract, but shall proceed with all Work. Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

11. LEAD-BASED PAINT: Pursuant to the Lead-Safe Schools Protection Act (Education Code Section 32240 et seq.) and other applicable law, no lead-based paint, lead plumbing and solders, or other potential sources of lead contamination shall be utilized on this Project, and only trained and state-certified contractors, inspectors and workers shall undertake any action to abate existing risk factors for lead. Contractor must execute the Lead-Based Paint Certification, if applicable.

12. WORKERS: Contractor shall at all times enforce strict discipline and good order among its employees and the employees of its subcontractors and shall not employ or work any unfit person or anyone not skilled in work assigned to him or her. Any person in the employ of the Contractor or a subcontractor whom the District may deem incompetent or unfit shall be dismissed from the Site and shall not again be employed at the Site without written consent from the District.

13. DRUG-FREE / TOBACCO FREE / SMOKE FREE POLICY: No drugs, alcohol, tobacco, and/or smoking are allowed at any time in any buildings and/or grounds on District property. No students, staff, visitors, consultants or contractors are to use drugs on these sites.

14. FINGERPRINTING: Contractor shall comply with and provide to the District a fully executed Criminal Background Investigation /Fingerprinting Certification, attached hereto, prior to mobilizing at the Site.

15. CORRECTION OF ERRORS: Contractor shall perform, at its own cost and expense and without reimbursement from the District, any work necessary to correct errors or omissions that are caused by the Contractor's failure to comply with the standard of care required herein. If Contractor fails to correct any those errors, the District reserves the right to deduct the value of the work from any payment(s) owed to Contractor, or to perform the work itself and deduct from any payment(s) owed to contractor the cost to perform the work.

16. FAILURE TO PERFORM. If the District at any time believes that the Contractor is behind schedule, is failing to construct the Project pursuant to the Contract Documents, or is otherwise failing to perform any provisions of this Contract, the District, after FORTY-EIGHT (48) hours written notice to the Contractor, may take any action necessary or beneficial to the District to complete the Project, takeover the Work of the Contract, terminate or suspend the Contract as indicated herein, or any combination or portion of those actions. The Contractor shall be liable to the District for any cost incurred by the District in those actions and the District has the right to deduct the cost thereof from any payment then or thereafter due the Contractor.

17. SUBSTITUTIONS: No substitutions of material from those specified in the Work Specifications shall be made without the prior written approval of the District.

18. CONTRACTOR SUPERVISION: Contractor shall provide competent supervision of personnel employed on the job Site to monitor the use of equipment and the quality of workmanship.

19. PERSONNEL: Contractor, Contractor's employees, Subcontractors, Subcontractors' employees, or any person associated with the Work shall conduct themselves in a manner appropriate for a school site. The District will not permit any (1) verbal or physical contact with neighbors, students, and faculty; (2) profanity, or inappropriate attire or behavior; (3) photographing, videoing, or audio recording of any neighbors, students, and faculty or any posting of any photographs, videos, or audio recordings of any neighbors, students, and faculty on any internet site, social media platform of any kind, regardless of source of any photograph, video, or audio recording. District

may require Contractor to permanently remove noncomplying persons from Project Site

20. CLEAN UP: Debris shall be removed from the Premises. The Site shall be in order at all times when work is not actually being performed and shall be maintained in a reasonably clean condition. Onsite trash bins shall not be used.

21. ACCESS TO WORK: District representatives shall at all times have access to the Work wherever it is in preparation or in progress. Contractor shall provide safe and proper facilities for such access.

22. PROTECTION OF WORK AND PROPERTY: Contractor shall erect and properly maintain at all times, as required by conditions and progress of the Work, all necessary safeguards, signs, barriers, lights, and security persons for protection of workers and the public and shall post danger signs warning against hazards created by the Work. In an emergency affecting life and safety of life or of Work or of adjoining property, Contractor, without special instruction or authorization from District, is permitted to act at his discretion to prevent such threatened loss or injury. Contractor shall provide stormwater control protections, hazardous materials controls, air quality controls and comply with those and similar regulations.

23. ASSIGNMENT OF CONTRACT: Contractor shall not assign or transfer in any way any or all of its rights, burdens, duties, or obligations under this Contract without the prior written consent of the District.

24. TIME IS OF THE ESSENCE: Time is of the essence in the performance of and compliance with each of the provisions and conditions of this Contract.

25. OCCUPANCY: There is no "Substantial Completion" or "Beneficial Occupancy" for this Project, although the District reserves the right to occupy buildings at any time before formal Contract completion and that occupancy shall not constitute final acceptance or approval of any part of the Work covered by this Contract, nor shall that occupancy extend the date specified for completion of the Work.

26. FORCE MAJEURE CLAUSE: Contractor shall be excused from performance hereunder during the time and to the extent that it is prevented from obtaining delivery, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, pandemic, product, plant, or facilities by the government, when satisfactory evidence thereof is presented to the District, provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of Contractor. Any delay associated with Covid-19, or any derivative or similar strain thereof, or any federal, state, or local order relating thereto, shall not be considered a Force Majeure Event unless it renders Contractor's performance of the Work impossible, and that event was not reasonably foreseeable at the time of the execution of the Contract.

27. INDEMNIFICATION / HOLD HARMLESS CLAUSE: To the furthest extent permitted by California law, Contractor shall defend, indemnify, and hold free and harmless the District, its agents, representatives, officers, Contractors, employees, trustees, and volunteers ("**the indemnified parties**") from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, including without limitation the payment of all consequential damages, arising out of, pertaining to or relating to, in whole or in part, the negligence, recklessness, errors or omissions, or willful misconduct of Contractor, its officials, officers, employees, subcontractors, Contractors, or agents directly or indirectly arising out of, connected with, or resulting from the performance of the Services or from any activity, work, or thing done, permitted, or suffered by the Contractor in conjunction with this Contract, unless the claims are caused wholly by the sole negligence or willful misconduct of the indemnified parties. The District shall have the right to accept or reject any legal representation that Contractor proposes to defend the indemnified parties.

28. PAYMENT: On a monthly basis, Contractor shall submit an application for payment based upon the estimated value for materials delivered or Services performed under the Contract as of the date of submission ("**Application for Payment**"). Within thirty (30) days after District's approval of the Application for Payment, Contractor shall be paid a sum equal to ninety-five percent (95%) of the value of the Work performed (as verified by Architect and Inspector and certified by Contractor) up to the last day of the previous month, less the aggregate of previous payments and amount to be withheld. The District may deduct from any payment an amount necessary to protect the District from loss because of: (1) liquidated damages which have accrued as of the date of the application for payment; (2) any sums expended by the District in performing any of Contractor's obligations under the Contract which Contractor has failed to perform or has performed inadequately; (3) defective Work not remedied; (4) stop notices as allowed by state law; (5) reasonable doubt that the Work can be completed for the unpaid balance of the total Contract Price or by the scheduled completion date; (6) unsatisfactory prosecution of the Work by Contractor;

(7) unauthorized deviations from the Contract; (8) failure of the Contractor to maintain or submit on a timely basis proper and sufficient documentation as required by the Contract or by District during the prosecution of the Work; (9) erroneous or false estimates by the Contractor of the value of the Work performed; (10) any sums representing expenses, losses, or damages, as determined by the District, incurred by the District for which Contractor is liable under the Contract; and (11) any other sums which the District is entitled to recover or withhold from Contractor under the terms of the Contract or pursuant to state law, including section 1727 of the California Labor Code. The failure by the District to deduct any of these sums from a progress payment shall not constitute a waiver of the District's right to recover those sums. The District shall retain five percent (5%) from all amounts owing as retention. Retention shall be paid pursuant to Public Contract Code sections 7107 and 7200.

29. PERMITS AND LICENSES: Contractor and all of its employees, agents, and subcontractors shall secure and maintain in force, at Contractor's sole cost and expense, all licenses and permits as are required by law, in connection with the furnishing of materials, supplies, or Services herein listed.

30. INDEPENDENT CONTRACTOR STATUS: While engaged in carrying out the Services of this Contract, the Contractor is an independent contractor, and not an officer, employee, agent, partner, or joint venture of the District. Contractor shall be solely responsible for its own Worker's Compensation insurance, taxes, and other similar charges or obligations. Contractor shall be liable for its own actions, including its negligence or gross negligence, and shall be liable for the acts, omissions, or errors of its agents or employees.

31. ANTI-DISCRIMINATION: It is the policy of the District that in connection with all work performed under contracts there be no discrimination against any employee engaged in the work because of race, color, ancestry, national origin, or religious creed, and therefore the Contractor agrees to comply with applicable Federal and California laws including, but not limited to the California Fair Employment Practice Act beginning with Government Code Section 12900 and Labor Code Section 1735. In addition, the Contractor agrees to require like compliance by all its subcontractor(s).

32. DISABLED VETERAN BUSINESS ENTERPRISES: Section 17076.11 of the Education Code requires school districts using funds allocated pursuant to the State of California School Facility Program for the construction or modernization of a school building (SFP Funds) to have a participation of at least three percent (3%), per year, of the overall dollar amount expended each year by the school district, for disabled veteran business enterprises (DVBE). If this Contract uses School Facilities Program Funds, Contractor must submit, with its executed Contract, appropriate documentation to the District identifying the steps Contractor has taken to solicit DVBE participation in conjunction with this Contract.

33. WARRANTY/QUALITY: Unless a longer warranty is called for elsewhere in the Contract, Contractor, manufacturer, or their assigned agents shall guarantee the workmanship, product or Services performed against defective workmanship, defects or failures of materials for a minimum period of one (1) year from District's written acceptance of the Work. All workmanship and merchandise must be warranted to be in compliance with applicable California energy, conservation, environmental, and educational standards.

34. CONFIDENTIALITY: Contractor shall maintain the confidentiality of all information, documents, programs, procedures, and all other items that Contractor encounters while performing the Contractor's Services to the extent allowed by law. This requirement shall be ongoing and shall survive the expiration or termination of this Contract and specifically includes all student, parent, and disciplinary information.

35. COMPLIANCE WITH LAWS: Contractor shall give all notices and comply with all laws, ordinance, rules and regulations bearing on conduct of the Work as indicated or specified. If Contractor observes that any of the Work required by this Contract is at variance with any such laws, ordinance, rules or regulations, Contractor shall notify the District, in writing, and, at the sole option of the District, any necessary changes to the scope of the Work shall be made and this Contract shall be appropriately amended in writing, or this Contract shall be terminated effective upon Contractor's receipt of a written termination notice from the District. If Contractor performs any work that is in violation of any laws, ordinances, rules or regulations, without first notifying the District of the violation, Contractor shall bear all costs arising therefrom. Any fines levied resulting from Contractor's or Contractor's personnel or subcontractors actions or lack thereof shall be the responsibility of the Contractor.

36. DISPUTES/CLAIMS: Public Contract Code § 9204. Claims between the District and the Contractor shall be resolved in accordance with the procedures established in Public Contract Code § 9204.

36.1. Claim. The term "**Claim**" means a written demand by the Contractor sent by registered mail or certified mail with return receipt requested for:

36.1.1. An extension of the Contract Time, including relief from damages or penalties assessed by the District for delay;

36.1.2. Payment of money or damages arising from work done by, or on behalf of, the Contractor pursuant to the Contract and payment that is not otherwise expressly provided for in the Contract Documents or to which the Contractor is not otherwise entitled; or

36.1.3. Payment of an amount that is disputed by the District.

36.2. Submission of Claim. A Claim arises upon the District's rejection of a request by the Contractor for a change order. The Contractor shall submit the Claim by registered mail or certified mail with return receipt requested to the District's Director of construction and Modernization, with a copy to the Project Manager/Construction Manager. The Contractor shall submit its Claim in writing, together with all Supporting Documentation no later than the earlier of either: (1) thirty (30) days after the date the Claim arises; or (2) sixty (60) days after the date of completion. It is the intent of the District to evaluate and resolve Claims with the Contractor as close to the events giving rise to such Claims as possible and to avoid stale or late Claims, including late notice and documenting of Claims, and to timely mitigate the issue, event, condition, circumstance and/or cause of the Claim and any adverse impacts or damages related thereto.

36.3. Contents of Claim. A Claim must include all Supporting Documentation and a statement identifying it as a Claim signed by an authorized agent or officer of the Contractor under penalty of perjury and including the following language immediately above or before the Contractor's signature: "I declare under penalty of perjury under the laws of the State of California that the information provided and statements made in this Claim are true and correct, substantiated and of merit." The Contractor recognizes and acknowledges that this requirement is not a mere formality but is intended to ensure that the Contractor only submits Claims that it believes are true and correct, substantiated and have merit.

36.4. Subcontractor Claims. Pursuant to Public Contract Code § 9204(d)(5), a Subcontractor may request in writing, either on its own behalf or on behalf of a lower tier Subcontractor, that the Contractor submit to the District a claim for work which was performed by the Subcontractor or by a lower tier Subcontractor on behalf of the Subcontractor. The Subcontractor requesting that the claim be submitted to the District shall furnish reasonable documentation to support the claim. Regardless of whether or not the Contractor decides to submit the Subcontractor's claim to the District, Contractor shall provide a copy of the Subcontractor's written request, including all supporting documentation, to the Project Manager/Construction Manager within ten (10) days of Contractor's receipt of the request. In the event the Contractor agrees to submit a Subcontractor's claim to the District, the Contractor shall submit such claim as a request for a change order, unless such claim was previously submitted to the District as a request for a change order. Within forty-five (45) days of receipt of the Subcontractor's written request, the Contractor shall notify the Subcontractor in writing as to whether the Contractor submitted the claim to the District and, if the Contractor did not submit the claim, the Contractor shall provide the Subcontractor with a written statement of the reasons for not having done so and shall concurrently provide a copy of such written statement to the Project Manager/Construction Manager. In the event the Contractor includes supporting documentation with such written statement, the Contractor shall concurrently provide a copy of such supporting documentation to the Project Manager/Construction Manager. If the Contractor submits a Claim on behalf of a Subcontractor, the Claim shall include a statement in writing and signed by an authorized agent or officer of the Contractor under penalty of perjury that includes the following language immediately above or before the Contractor's signature: "I declare under penalty of perjury under the laws of the State of California that [insert name of Contractor] has thoroughly evaluated the claim of [insert name of Subcontractor] and determined that the information provided and statements made in the claim are true and correct, substantiated and of merit."

36.5. District Review of Claim. Upon receipt of a Claim, the District shall review the Claim and, within a period not to exceed forty-five (45) days, shall provide Contractor a written statement identifying what portion of the Claim is disputed and what portion is undisputed. Upon receipt of a Claim, the District and the Contractor may, by mutual written agreement, extend the forty-five (45) day time period. The District shall process and make payment of any undisputed portion of a Claim within sixty (60) days after the District issues its written statement. Failure by the District to provide a written statement in response to a Claim from the Contractor within the forty-five (45) day time period, or within an

agreed upon extended time period, shall result in the Claim being deemed rejected in its entirety. A Claim that is rejected by reason of the District's failure to respond, or failure to timely respond, to the Claim shall not constitute an adverse finding regarding the merits of the Claim or the claimant's responsibility or qualifications.

36.6. Meet and Confer Meeting. If the Contractor disputes the District's written response, or if the District fails to respond within the time frame prescribed above, the Contractor, within fifteen (15) days of the District's written response or, if the District fails to respond, within fifteen (15) days after the District's response was due, may demand, in a writing sent to the District's Superintendent by registered mail or certified mail, return receipt requested, with a copy to the District's Director of Construction and Modernization, and Project Manager/Construction Manager, an informal conference to meet and confer for settlement of the issues in dispute. The District shall schedule a meet and confer conference within thirty (30) days of its receipt of the Contractor's written demand.

36.7. Mediation. Within ten (10) business days following the conclusion of the meet and confer conference, if the Claim or any portion of the Claim remains in dispute, the District shall provide the Contractor a written statement identifying the portion of the Claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the Claim shall be processed and made within sixty (60) days after the District issues its written statement. Any disputed portion of the Claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation. The expenses and fees of the mediator and the administrative fees shall be divided among the parties equally. Each party shall pay its own legal fees, witness fees, and other expenses. The District and the Contractor shall mutually agree to a mediator within ten (10) business days after the disputed portion of the Claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the Claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. The foregoing notwithstanding, pursuant to Public Contract Code § 9204(f), the parties may mutually agree in writing to waive mediation.

36.8. Pending resolution of the dispute, Contractor agrees it will neither rescind the Contract nor stop the progress of the Work but will allow determination by the court of the State of California, in the county in which the District's administration office is located, having competent jurisdiction of the dispute.

36.9. Nothing in this Article shall prevent the Parties from resolving any disputes or claims pursuant to Public Contract Code section 20104, et seq., if applicable.

36.10. Nothing in this Contract, waives, modifies or tolls the Contractor's obligation to present a timely claim under Government Code § 910, et seq. Therefore, in addition to complying with the contractual Claims procedures, the Contractor is required to present claims to the District pursuant to Government Code § 910, et seq.

37. LABOR CODE REQUIREMENTS: Provided that the Contract Price is more than $1,000, and the Work is a "public works" under the Labor Code, the parties agree as follows:

37.1. The Work is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

37.2. District hereby provides notice of the requirements described in Labor Code § 1771.1(a) that a contractor or subcontractor shall not be qualified to bid or propose on, be listed in a bid or proposal, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code § 1725.5.

37.3. Contractor acknowledges that all or a portion of the Services under this Contract are a public work, and that it and its subcontractors have complied with Labor Code § 1725.5, including, without limitation, the registration requirements thereof.

37.4. Contractor shall post all required job site notices and shall comply with all applicable requirements prescribed thereby, including but not limited to Labor Code § 1771.4.

37.5. Contractor shall comply with all applicable provisions of the Labor Code, Division 3, Part 7, Chapter 1, Articles 1-5, including, without limitation, the payment of the general prevailing per diem wage rates for public work projects of more than one thousand dollars ($1,000).

37.6. Copies of the prevailing rate of per diem wages are on file with the District.

37.7. Contractor and each subcontractor shall comply with Chapter 1 of Division 2, Part 7 of the Labor Code, beginning with § 1720, and including §§ 1735, 1777.5 and 1777.6, forbidding discrimination, and §§ 1776, 1777.5 and 1777.6 concerning the employment of apprentices by Contractor or subcontractors. Willful failure to comply may result in penalties, including loss

of the right to bid on or receive public works contracts. Contractor shall comply with Labor Code § 1777.5 pertaining to prevailing wage compensation to apprentices for preemployment activities.

38. PAYROLL RECORDS: Contractor and its subcontractor(s) shall keep accurate certified payroll records of employees and make them available to the District immediately upon request.

39. AUDIT: Contractor shall establish and maintain books, records, and systems of account, in accordance with generally accepted accounting principles, reflecting all business operations of Contractor transacted under this Contract. Contractor shall retain these books, records, and systems of account during the Term of this Contract. Contractor shall permit the District, its agent, other representatives, or an independent auditor to audit, examine, and make excerpts, copies, and transcripts from all books and records, and to make audit(s) of all billing statements, invoices, records, and other data related to the Services covered by this Contract. Audit(s) may be performed at any time, provided that the District shall give reasonable prior notice to Contractor and shall conduct audit(s) during Contractor's normal business hours, unless Contractor otherwise consents.

40. ANTI-TRUST CLAIM: Contractor and its subcontractor(s) agree to assign to the District all rights, title, and interest in and to all causes of action they may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the Contract or a subcontract. This assignment shall be made and become effective at the time the District tenders final payment to the Contractor, without further acknowledgment by the Parties.

41. GOVERNING LAW: This Contract shall be governed by and construed in accordance with the laws of the State of California with venue of any action in a in the county in which the District's administration office is located.

42. PROVISIONS REQUIRED BY LAW DEEMED INSERTED: Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and this Contract shall be read and enforced as though it were included therein.

43. BINDING CONTRACT: This Contract shall be binding upon the Parties hereto and upon their successors and assigns, and shall inure to the benefit of the Parties and their successors and assigns.

44. DISTRICT WAIVER: District's waiver of any term, condition, covenant or waiver of a breach of any term, condition or covenant shall not constitute the waiver of any other term, condition or covenant or the waiver of a breach of any other term, condition or covenant.

45. INVALID TERM: If any provision of this Contract is declared or determined by any court of competent jurisdiction to be illegal, invalid or unenforceable, the legality, validity or enforceability of the remaining parts, terms and provisions shall not be affected thereby, and said illegal, unenforceable or invalid part, term or provision will be deemed not to be a part of this Contract.

46. ENTIRE CONTRACT: This Contract sets forth the entire Contract between the Parties hereto and fully supersedes any and all prior agreements, understanding, written or oral, between the Parties hereto pertaining to the subject matter thereof. This Contract may be modified only by a writing evidencing the Parties' mutual consent.

CERTIFICATIONS TO BE COMPLETED BY CONTRACTOR

THE UNDERSIGNED MUST CHECK *ONE OR MORE BOXES IN EACH SECTION* AND EXECUTE THIS FORM AND HEREBY CERTIFIES TO THE GOVERNING BOARD OF THE DISTRICT THAT:

- He/she is a representative of the Contractor,
- He/she is familiar with the facts herein certified and acknowledged,
- He/she is authorized and qualified to execute this Agreement and these certifications on behalf of Contractor and that by executing this Agreement he/she is certifying the following items.

☐ **Labor Code Sections 1860-1861 (Workers' Compensation).** In accordance with Labor Code section 3700, every contractor will be required to secure the payment of compensation to his or her employees. I acknowledge and certify under penalty of perjury that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

☐ **Government Code Sections 8355-8357 (Drug-Free Workplace).** I acknowledge and certify under penalty of perjury that I will provide a drug-free workplace by doing all of the following:

(1) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in the person's or organization's workplace and specifying the actions that will be taken against employees for violations of the prohibition.

(2) Establishing a drug-free awareness program to inform employees about all of the following:

(A) The dangers of drug abuse in the workplace.

(B) The person's or organization's policy of maintaining a drug-free workplace.

(C) Any available drug counseling, rehabilitation, and employee assistance programs.

(D) The penalties that may be imposed upon employees for drug abuse violations.

(3) Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I also acknowledge that this Contract may be subject to suspension of payments under the contract or grant or termination of the contract or grant, or both, and the contractor or grantee thereunder may be subject to debarment, in accordance with the requirements of the above-referenced statute, if the contracting or granting agency determines that any of the following has occurred:

(1) The contractor or grantee has made a false certification under Section 8355.

(2) The contractor or grantee violates the certification by failing to carry out the requirements of subdivisions (a) to (c), inclusive, of Section 8355.

I also acknowledge that the Department of General Services shall establish and maintain a list of individuals and organizations whose contracts or grants have been canceled due to failure to comply with the above-referenced statute. This list shall be updated monthly and published each month. No state agency shall award a contract or grant to a person or organization on the published list until that person or organization has complied with the above-referenced statute.

☐ **Tobacco-Free Environment**. Pursuant to, without limitation, 20 U.S.C. section 6083, Labor Code section 6400 et seq., Health & Safety Code section 104350 et seq. and District Board Policies, all District sites, including the Project site, are tobacco-free environments. Smoking and the use of tobacco products by all persons is prohibited on or in District property. District property includes school buildings, school grounds, school owned vehicles and vehicles owned by others while on District property.

I acknowledge and certify under penalty of perjury that I am aware of the District's policy regarding tobacco-free environments at District sites, including the Project site and acknowledge and certify that I will adhere to the requirements of that policy and not permit any of my firm's employees, agents, subcontractors, or my firm's subcontractors' employees or agents to use tobacco and/or smoke on the Project site. The District also prohibits electronic cigarettes, "vaping" or similar product uses on District sites.

☒ **No Hazardous Materials.** I acknowledge and certify under penalty of perjury that no Asbestos, or Asbestos-Containing Materials, polychlorinated biphenyl (PCB), or any material listed by the federal or state Environmental Protection Agency or federal or state health agencies as a hazardous material, or any other material defined as being hazardous under federal or state laws, rules, or regulations ("**New Hazardous Material**"), shall be furnished, installed, or incorporated in any way into the Project or in any tools, devices, clothing, or equipment used to affect any portion of Contractor's work on the Project for District. I have instructed our employees with respect to the above-mentioned standards, hazards, risks, and liabilities.

(i) Asbestos and/or asbestos-containing material shall be defined as all items containing but not limited to chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite. Any or all material containing greater than one-tenth of one percent (.1%) asbestos shall be defined as asbestos-containing material. Any disputes involving the question of whether or not material is New Hazardous Material shall be settled by electron microscopy or other appropriate and recognized testing procedure, at the District's determination. The costs of any such tests shall be paid by Contractor if the material is found to be New Hazardous Material.

(ii) All Work or materials found to be New Hazardous Material or Work or material installed with equipment containing "New Hazardous Material," will be immediately rejected and this Work will be removed at Contractor's expense at no additional cost to the District.

The Contractor must immediately notify the District within two (2) Business Days, if the Contractor finds and before it disturbs, any material that the Contractor believes may be hazardous waste, as defined in section 25117 of the Health and Safety Code, and requires removal to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law

I acknowledge and certify under penalty of perjury that this certification provides notice to the Contractor that:

(1) The Contractor's work may disturb lead-containing building materials.

(2) The Contractor must notify the District if any work may result in the disturbance of lead-containing building materials.

☒ **Lead as a Health Hazard.** Lead poisoning is recognized as a serious environmental health hazard facing children today. Even at low levels of exposure, much lower than previously believed, lead can impair the development of a child's central nervous system, causing learning disabilities, and leading to serious behavioral problems. Lead enters the environment as tiny lead particles and lead dust disburses when paint chips, chalks, peels, wears away over time, or is otherwise disturbed. Ingestion of lead dust is the most common pathway of childhood poisoning; lead dust gets on a child's hands and toys and then into a child's mouth through common hand-to-mouth activity. Exposures may result from construction or remodeling activities that disturb lead paint, from ordinary wear and tear of windows and doors, or from friction on other surfaces.

Ordinary construction and renovation or repainting activities carried out without lead-safe work practices can disturb lead-based paint and create significant hazards. Improper removal practices, such as dry scraping, sanding, or water blasting painted surfaces, are likely to generate high volumes of lead dust.

Because the Contractor and its employees will be providing services for the District, and because the Contractor's work may disturb lead-containing building materials, **Contractor is hereby notified** of the potential presence of lead-containing materials located within certain buildings utilized by the District. All

school buildings built prior to 1993 are presumed to contain some lead-based paint until sampling proves otherwise.

(i) **Overview of California Law**

Education Code section 32240 et seq. is known as the Lead Safe Schools Protection Act. Under this act, the Department of Health Services ("**DHS**") is to conduct a sample survey of schools in the State of California for the purpose of developing risk factors to predict lead contamination in public schools. (Ed. Code, § 32241.)

Any school that undertakes any action to abate existing risk factors for lead is required to utilize trained and state-certified contractors, inspectors, and workers. (Ed. Code, § 32243, subd. (b).) Moreover, lead-based paint, lead plumbing, and solders, or other potential sources of lead contamination, shall not be utilized in the construction of any new school facility or the modernization or renovation of any existing school facility. (Ed. Code, § 32244.)

Both the Federal Occupational Safety and Health Administration ("**OSHA**") and the California Division of Occupational Safety and Health ("**Cal/OSHA**") have implemented safety orders applicable to all construction work where a contractor's employee may be occupationally exposed to lead.

The OSHA Regulations apply to all construction work where a contractor's employee may be occupationally exposed to lead. The OSHA Regulations contain specific and detailed requirements imposed on contractors subject to that regulation. The OSHA Regulations define construction work as work for construction, alteration, and/or repair, including painting and decorating. It includes, but is not limited to, the following:

a. Demolition or salvage of structures where lead or materials containing lead are present;
b. Removal or encapsulation of materials containing lead;
c. New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead;
d. Installation of products containing lead;
e. Lead contamination/emergency cleanup;
f. Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed; and
g. Maintenance operations associated with the construction activities described in the subsection.

Because it is assumed by the District that all painted surfaces (interior as well as exterior) within the District contain some level of lead, it is imperative that the Contractor, its workers and subcontractors fully and adequately comply with all applicable laws, rules and regulations governing lead-based materials (including title 8, California Code of Regulations, section 1532. 1).

The Contractor must notify the District if any Work may result in the disturbance of lead-containing building materials. Any and all Work that may result in the disturbance of lead-containing building materials must be coordinated through the District. A signed copy of this Certification must be on file prior to beginning Work on the Project, along with all current insurance certificates.

(ii) **Renovation, Repair and Painting Rule, Section 402(c)(3) of the Toxic Substances Control Act**

In 2008, the U.S. Environmental Protection Agency, issued a rule pursuant to the authority of Section 402(c)(3) of the Toxic Substances Control Act, requiring lead safe work practices to reduce exposure to lead hazards created by renovation, repair and painting activities that disturb lead-based paint (Renovation, Repair and Painting Rule). Renovations in homes, childcare facilities, and schools built prior to 1978 must be conducted by certified renovations firms, using renovators with accredited training, and following the work practice requirements to reduce human exposures to lead.

Contractor, its workers and subcontractors must fully and adequately comply with all applicable laws, rules and regulations governing lead-based materials, including those rules and regulations appearing within title 40 of the Code of Federal Regulations as part 745 (40 CFR 745).

The requirements apply to all contractors who disturb lead-based paint in a six-square-foot area or greater indoors or a 20-square-foot area outdoors. If a DPH-certified inspector or risk assessor determines that a home constructed before 1978 is lead-free, the federal certification is not required for anyone working on that particular building.

(iii)**Contractor's Liability**

If the Contractor fails to comply with any applicable laws, rules, or regulations, and that failure results in a site or worker contamination, the Contractor will be held solely responsible for all costs involved in any required corrective actions, and shall defend, indemnify, and hold harmless the District, pursuant to the indemnification provisions of the Contract, for all damages and other claims arising therefrom.

If lead disturbance is anticipated in the Work, only persons with appropriate accreditation, registrations, licenses, and training shall conduct this Work.

It shall be the responsibility of the Contractor to properly dispose of any and all waste products, including, but not limited to, paint chips, any collected residue, or any other visual material that may occur from the prepping of any painted surface. It will be the responsibility of the Contractor to provide the proper disposal of any hazardous waste by a certified hazardous waste hauler. This company shall be registered with the Department of Transportation (DOT) and shall be able to issue a current manifest number upon transporting any hazardous material from any school site within the District.

The Contractor shall provide the District with any sample results prior to beginning Work, during the Work, and after the completion of the Work. The District may request to examine, prior to the commencement of the Work, the lead training records of each employee of the Contractor.

I acknowledge and certify under penalty of perjury, that:

1. I have received notification of potential lead-based materials on the District's property;
2. I am knowledgeable regarding and will comply with all applicable laws, rules, and regulations governing work with, and disposal of, lead.

☒ **Imported Materials.** All soils, aggregate, or related materials ("**Fill**") that Contractor, a Subcontractor, agent or supplier, in any way, provides or delivers and/or supplies to the Project Site shall be free of any and all hazardous material as defined in section 25260 of the Health and Safety Code, shall satisfy the requirements of any environmental review of the Project performed pursuant to the statutes and guidelines of the California Environmental Quality Act, sections 21000 et seq. of the Public Resources Code ("**CEQA**"), and shall comply with the requirements of sections 17210 et seq. of the Education Code, including requirements for a Phase I environmental assessment acceptable to the State of California Department of Education and Department of Toxic Substances Control. I acknowledge that, to the furthest extent permitted by California law, the indemnification provisions in the Contract Documents apply to, without limitation, any claim(s) connected with providing, delivering, and/or supplying Fill.

Roofing Contract Financial Interest Certification (Public Contract Code § 3006)

For Projects <u>without</u> substantive roofing components, check the following box and execute this certification:

☐ The Work on the Contract (1) does not include the replacement or repair of a roof or (2) is a repair of twenty five percent (25%) or less of the roof, (3) or is a repair project that has a total cost of twenty-one thousand dollars ($21,000) or less.

For all other Projects complete this section:

☐ By signature below I certify that I have not offered, given, or agreed to give, received, accepted, or agreed to accept, any gift, contribution, or any financial incentive whatsoever to or from any person in connection with a roof project contract or subcontract on the Project. As used in this certification, "person" means any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

<u>And</u> CHECK ONLY 1 of the following 2 options:

☐ By signature below I certify that I do not have, and throughout the duration of the Contract, I will not have, any financial relationship in connection with the performance of the Contract with any architect, engineer, roofing consultant, materials manufacturer, distributor, or vendor that is not disclosed below.

<u>OR</u>

☐ By signature below I certify that I have the following financial relationships with an architect, engineer, roofing consultant, materials manufacturer, distributor, or vendor, or other person in connection with the following roof project contract:

Firm Name	Address
	City/State/Zip
Address of branch office used for this Project if applicable	City/State/Zip of branch office
If subsidiary, name of parent company	Address of parent company
	City/State/Zip of parent company

☐ **CARB CA Air Resources Board Compliance:** I hereby certify that any in-use off-road diesel-fueled fleet, inclusive of rented, owned or sub-contractor provided, shall at all times be in compliance with CARB regulations and that Certificates of Reported Compliance shall be provided to the District and be available onsite for inspection.

☐ **Russian Sanctions Certification**

On February 21, 2022, President Biden issued Executive Order 14065 (https://www.whitehouse.gov/briefing-

room/presidential-actions/2022/02/21/executive-order-on-blocking-property-of-certain-persons-and-prohibiting-certain-transactions-with-respect-to-continued-russian-efforts-to-undermine-the-sovereignty-and-territorial-integrity-of-ukraine/; "**Federal Order**") imposing economic sanctions and prohibiting many activities including, but not limited to, investing in, importing to, exporting from, and contracting with, areas of Ukraine and in Russia. On March 4, 2022, California Governor Newsom issued Executive Order N-6-22 requiring state agencies to take steps to ensure any agency and entity under contract with state agencies comply with the Federal Order (https://www.gov.ca.gov/wp-content/uploads/2022/03/3.4.22-Russia-Ukraine-Executive-Order.pdf; "**State Order**").

The District requires the Consultant, as a vendor with the District, to comply with the economic sanctions imposed in response to Russia's actions in Ukraine, including the orders and sanctions identified on the U.S. Department of the Treasury website (https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions).

If your Firm's contract with the District has a cumulative value of $5 million or more, your certification here is constitutes your written response to the District, indicating:

(1) that your Firm is in compliance with the required economic sanctions of the Federal and State Orders;

(2) the steps your Firm has taken in response to Russia's actions in Ukraine, including, but not limited to, desisting from making new investments in, or engaging in financial transactions with, Russian entities, not transferring technology to Russia or Russian entities, and directly providing support to the government and people of Ukraine.

I ACKNOWLEDGE AND CERTIFY UNDER PENALTY OF PERJURY THAT I AM DULY AUTHORIZED TO LEGALLY BIND THE CONTRACTOR TO ALL PROVISIONS AND ITEMS INCLUDED IN THESE CERTIFICATIONS, THAT THE CONTENTS OF THESE CERTIFICATIONS ARE TRUE, AND THAT THESE CERTIFICATIONS ARE MADE UNDER THE LAWS OF THE STATE OF CALIFORNIA.

3/17/26	James Day Construction, Inc dba Coastal Mountain Electric
Date	**Proper Name of Contractor**
Jon Rogers	Jon Rogers, President
Signed	**Print Name / Title**

END OF CONTRACTOR CERTIFICATIONS

CRIMINAL BACKGROUND INVESTIGATION /FINGERPRINTING CERTIFICATION

The undersigned does hereby certify to the governing board of the District that he/she is a representative of the Contractor, is familiar with the facts herein certified, is authorized and qualified to execute this certificate on behalf of Contractor; and that the information in this Criminal Background Investigation / Fingerprinting Certification is true and correct.

1. **Education Code.** Contractor has taken *at least one* of the following actions (**check all that apply**):

☒ **All Workers Fingerprinted.** The Contractor has complied with the fingerprinting requirements of Education Code section 45125.1 with respect to all Contractor's employees and all of its subcontractors' employees who interact with pupils, outside of the immediate supervision and control of the pupil's parent or guardian or a school employee, has a valid criminal records summary as described in Education Code Section 44237 (Contractor shall "require each applicant for employment in a position requiring contact with minor pupils to submit two sets of fingerprints prepared for submittal by the employer to the Department of Justice for the purpose of obtaining criminal record summary information from the Department of Justice and the Federal Bureau of Investigation."). A complete and accurate list of Contractor's employees and of all of its subcontractors' employees who may interact with District pupils during the course and scope of the Contract is attached hereto; and/or

☐ **Physical Barrier.** Pursuant to Education Code section 45125.2, Contractor has installed or will install, prior to commencement of work, a physical barrier at the Project site, that will limit contact between Contractor's employees and District pupils at all times; and/or

☐ **Continual Supervision by Fingerprinted Employee.** Pursuant to Education Code section 45125.2, Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice has ascertained has not been convicted of a violent or serious felony. The name and title of the employee who will be supervising Contractor's employees and its subcontractors' employees is:
Name: _____ **Title:** _____

☐ **Unoccupied Site**. The Work on the Contract is at an unoccupied school site and no employee and/or subcontractor or supplier of any tier of Contract shall come in contact with the District pupils.

2. **Megan's Law (Sex Offenders).** I have verified and will continue to verify that the employees of Contractor that will be on the Project site and the employees of the Subcontractor(s) that will be on the Project site are **not** listed on California's "Megan's Law" Website (http://www.meganslaw.ca.gov/).

Contractor's responsibility for background clearance extends to all of its employees, subcontractors, and employees of subcontractors coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

I certify that to the best of my knowledge, the contents of this disclosure are true, or are believed to be true.

3/17/26	James Day Construction, Inc dba Coastal Mountain Electric
Date	**Proper Name of Contractor**
Jon Rogers	Jon Rogers, President
Signed	**Print Name / Title**

PERFORMANCE BOND

PERFORMANCE BOND (100% of Contract Price)
(Note: Contractors must use this form, NOT a surety company form.)

WHEREAS, the governing board ("Board") of the _____("District") and

_____, ("Principal)" have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project: "**Project-Name**" ("Project" or "Contract")
which Contract dated _____, 20___, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

WHEREAS, the Principal is required under the terms of the Contract to furnish a bond for the faithful performance of the Contract;

NOW, THEREFORE, the Principal and _____
("Surety") are held and firmly bound unto the District in the penal sum of: $_____Dollars, lawful money of the United States, for payment to the District and will and truly be made pursuant to the provisions herein. Principal and Surety, each of us, bind ourselves, our heirs, executors, administrators, successors, and assigns jointly and severally to:

- Perform all the work required to complete the Project; and
- Pay to the District all damages the District incurs as a result of the Principal's failure to perform all the Work required to complete the Project.

In the event the Principal is declared by the District to be in breach or default in the performance of the Contract, then, after written notice from the District to the Surety, as provided for herein, the Surety shall either remedy the default or breach of the Principal or shall take charge of the Work of the Contract and complete the Contract with a Contractor other than the Principal at its own expense; provided, however, that the procedure by which the Surety undertakes to discharge its obligations under this Bond shall be subject to the advance written approval of the District.

The condition of the obligation is such that, if the above bounden Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in the Contract and any alteration thereof made as therein provided, on his or its part to be kept and performed at the time and in the intent and meaning, including all contractual guarantees and warrantees of materials and workmanship, and shall indemnify and save harmless the District, its trustees, officers and agents, as therein stipulated, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the Contract, the above obligation shall hold good for a period equal to the warranty and/or guarantee period of the Contract, during which time Surety's obligation shall continue if Contractor shall fail to make full, complete, and satisfactory repair, replace, and totally protect the District from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the District's rights or the Contractor's or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the

terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

Any claims under this bond may be addressed to the Surety at the following address. This cannot be the Contractor's broker for this bond, but must be an employee of the Surety or the Surety's legal counsel:

_____

Surety's Representative / Legal Counsel

_____

Attention

_____

Direct Telephone Number

_____

Email Address

_____

Mailing Address

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on _____, 20_____.

Principal	**Surety**
_____	_____
(Name of Principal)	(Name of Surety)
_____	_____
(Signature of Person with Authority)	(Signature of Person with Authority)
_____	_____
(Print Name)	(Print Name)
	_____
	(Name of California Agent of Surety)
	_____
	(Address of California Agent of Surety)
	_____
	(Telephone Number of California Agent of Surety)

Contractor <u>must attach</u> a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

PAYMENT BOND

PAYMENT BOND -- Contractor's Labor & Material Bond (100% of Contract Price)
(Note: Contractors must use this form, NOT a surety company form.)

WHEREAS, the governing board ("Board") of the **CHUALAR UNION SCHOOL DISTRICT**, ("District") and _____,("Principal)" have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project: _____which Contract dated _____, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

WHEREAS, pursuant to law and the Contract, the Principal is required, before entering upon the performance of the work, to file a good and sufficient bond with the body by which the Contract is awarded in an amount equal to 100 percent (100%) of the Contract price, to secure the claims to which reference is made in the Civil Code of California, including section 9100, and the Labor Code of California, including section 1741.

NOW, THEREFORE, the Principal and _____ ("Surety") are held and firmly bound unto all laborers, material men, and other persons referred to in said statutes in the penal sum of:

$ _____Dollars, lawful money of the United States, being a sum not less than the total amount payable by the terms of Contract, for the payment of which sum well and truly to be made pursuant to all applicable statutes and laws applicable to the provisions herein. Principal and Surety, each of us, bind ourselves, our heirs, executors, administrators, successors, or assigns, jointly and severally, to those applicable statutes and laws, and to the provisions herein.

The condition of this obligation is that if the Principal or any of his or its subcontractors, of the heirs, executors, administrators, successors, or assigns of any, all, or either of them shall fail to pay for any labor, materials, provisions, equipment, or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to that work or labor, that the Surety will pay the same in an amount not exceeding the amount herein above set forth, and also in case suit is brought upon this bond, will pay a reasonable attorney's fee to be awarded and fixed by the Court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under sections 9000 through 9566 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void; otherwise it shall be and remain in full force and affect.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

Any claims under this bond may be addressed to the Surety at the following address. This cannot be the Contractor's broker for this bond, but must be an employee of the Surety or the Surety's legal counsel:

_____

Surety's Representative / Legal Counsel

_____

Attention

_____

Direct Telephone Number

_____

Email Address

_____

Mailing Address

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on _____, 20_____.

Principal	**Surety**
_____	_____
(Name of Principal)	(Name of Surety)
_____	_____
(Signature of Person with Authority)	(Signature of Person with Authority)
_____	_____
(Print Name)	(Print Name)
	_____
	(Name of California Agent of Surety)
	_____
	(Address of California Agent of Surety)
	_____
	(Telephone Number of California Agent of Surety)

Contractor must attach a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

EXHIBIT A

DESCRIPTION OF WORK

A. The Work consists of any and all labor, materials, goods, supplies, equipment, tools, utilities, temporary facilities, transportation, delivery services, and other services and things of any nature whatsoever as are expressly and impliedly necessary to fully and satisfactorily complete the Project: (i) in strict accordance with the Contract Documents; and (ii) within the Contract Time and not later than the Required Completion Date specified in the Project Schedule. The Work consists generally of the following:

The contractor shall be responsible for installation of an Owner Furnished Contractor Installed emergency backup Generac generator for the School Walk-In Refrigerator & Freezer, inclusive of all elements stipulated in the proposal specifications and drawings.

Materials and supplies: Submittals 01, 02, 02 A, and 03 attached.

The District purchased a Generac industrial gaseous engine-driven generator.

The District obtained the permit from the Monterey Bay Air Resources District.

B. The Project Site: Chualar School – Walk-In Refrigerator and Freezer
24285 Lincoln Street
Chualar, CA 93925

END OF EXHIBIT A

[DELETE the body and AND INSERT an "X" for "RESERVED" IF NOT APPLICABLE]

EXHIBIT B
FEDERAL CONTRACTING PROVISIONS

☒ **RESERVED – NOT APPLICABLE**

END OF EXHIBIT B

FEDERATED INSURANCE®

Dear Policyholder,

Thank you for choosing Federated Insurance to handle your insurance and risk management needs. The attached certificate document(s) have been issued or updated.

Please feel free to contact us with any additional changes, additions or deletions that may be needed by contacting the Federated Client Contact Center at:

E-mail: clientcontactcenter@fedins.com
Phone: 1-888-333-4949
Fax: 507-446-4664

Thank you for your business!

Client Contact Center

Enclosed:
Certificate Document(s)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/04/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: CLIENT CONTACT CENTER	
FEDERATED MUTUAL INSURANCE COMPANY HOME OFFICE: P.O. BOX 328 OWATONNA, MN 55060	PHONE (A/C, No, Ext): 888-333-4949	FAX (A/C, No): 507-446-4664
	E-MAIL ADDRESS: CLIENTCONTACTCENTER@FEDINS.COM	
	INSURERS AFFORDING COVERAGE	NAIC #
	INSURER A: FEDERATED MUTUAL INSURANCE COMPANY	13935
INSURED	INSURER B:	
JAMES DAY CONSTRUCTION, INC., COASTAL MOUNTAIN ELECTRIC PO BOX 678 LOWER LAKE, CA 95457-0678	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 85** **REVISION NUMBER: 0**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	1883198	01/01/2026	01/01/2027	EACH OCCURRENCE	$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$100,000
							MED EXP (Any one person)	EXCLUDED
							PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
							PRODUCTS & COMP/OP ACC	$2,000,000
A	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY	Y	Y	1883198	01/01/2026	01/01/2027	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
							BODILY INJURY (Per Person)	
							BODILY INJURY (Per Accident)	
							PROPERTY DAMAGE (Per Accident)	
A	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION	Y	Y	1883199	01/01/2026	01/01/2027	EACH OCCURRENCE	$5,000,000
							AGGREGATE	$5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N ANY PROPRIETOR/PARTNER/ EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						[ ] PER STATUTE [ ] OTHER	
							E.L EACH ACCIDENT	
							E.L DISEASE -EA EMPLOYEE	
							E.L DISEASE - POLICY LIMIT	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

SEE ATTACHED PAGE

CERTIFICATE HOLDER

ATTN: YEN LE, BUSINESS MANAGER
CHUALAR UNION SCHOOL DISTRICT
PO BOX 188
24285 LINCOLN ST.
CHUALAR, CA 93925-0188

85 0

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Nicholas R. Zoeller

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

AGENCY		NAMED INSURED
FEDERATED MUTUAL INSURANCE COMPANY		JAMES DAY CONSTRUCTION, INC., COASTAL MOUNTAIN ELECTRIC PO BOX 678 LOWER LAKE, CA 95457-0678
POLICY NUMBER SEE CERTIFICATE # 85.0		
CARRIER SEE CERTIFICATE # 85.0	NAIC CODE	EFFECTIVE DATE: SEE CERTIFICATE # 85.0

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

CONTRACT #2026-03
RE: CHUALAR SCHOOL WALK-IN REFRIGERATOR - 24285 LINCOLN STREET, CHUALAR, CA 93925
SUBJECT TO THE TERMS AND CONDITIONS OF THE POLICY, ADDITIONAL INSUREDS ALSO INCLUDES THE DISTRICT, THE ARCHITECT, AND THE PROJECT MANAGER.
THE CERTIFICATE HOLDER IS AN ADDITIONAL INSURED SUBJECT TO THE CONDITIONS OF THE ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - AUTOMATIC STATUS WHEN REQUIRED IN A WRITTEN CONSTRUCTION AGREEMENT WITH YOU ENDORSEMENT FOR GENERAL LIABILITY.
THE CERTIFICATE HOLDER IS AN ADDITIONAL INSURED SUBJECT TO THE CONDITIONS OF THE ADDITIONAL INSURED BY CONTRACT ENDORSEMENT FOR BUSINESS AUTO LIABILITY.
INSURANCE PROVIDED BY THE GENERAL LIABILITY COVERAGE IS PRIMARY AND NONCONTRIBUTORY OVER OTHER INSURANCE SUBJECT TO THE CONDITIONS OF THE PRIMARY AND NONCONTRIBUTORY CLAUSE- OTHER INSURANCE CONDITION.
INSURANCE PROVIDED BY THE BUSINESS AUTO LIABILITY IS PRIMARY AND NONCONTRIBUTORY OVER OTHER INSURANCE SUBJECT TO THE CONDITIONS OF THE PRIMARY AND NONCONTRIBUTORY CLAUSE- OTHER INSURANCE CONDITION.
GENERAL LIABILITY CONTAINS A WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION) - AUTOMATIC ENDORSEMENT
BUSINESS AUTO LIABILITY CONTAINS A WAIVER OF SUBROGATION IN FAVOR OF THE CERTIFICATE HOLDER SUBJECT TO THE CONDITIONS OF THE BLANKET WAIVER OF TRANSFER OF RIGHTS OF RECOVERY ENDORSEMENT.
GENERAL LIABILITY COVERAGE CONTAINS CG 25 03 DESIGNATED CONSTRUCTION GENERAL AGGREGATE LIMIT ENDORSEMENT APPLICABLE TO EACH CONSTRUCTION PROJECT AS REQUIRED BY WRITTEN CONTRACT OR WRITTEN AGREEMENT.
COMMERCIAL UMBRELLA FOLLOWS FORM ACCORDING TO THE TERMS, CONDITIONS, AND ENDORSEMENTS FOUND IN THE COMMERCIAL UMBRELLA POLICY.
FOR REASONS OTHER THAN NON-PAYMENT OF PREMIUM, 30 DAYS NOTICE WILL BE PROVIDED TO THE CERTIFICATE HOLDER IN THE EVENT THAT THE ISSUING COMPANY CANCELS THE POLICY BEFORE THE EXPIRATION DATE OF THE POLICY.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

A. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance - Primary And Excess Insurance Provisions** in the Motor Carrier Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage is primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

B. The following is added to the **Other Insurance** Condition in the Auto Dealers Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage and General Liability Coverages are primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED BY CONTRACT ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

A. WHO IS AN INSURED for "bodily injury" and "property damage" liability is amended to include:
Any person or organization other than a joint venture, for which you have agreed by written contract to procure bodily injury or property damage "auto" liability insurance arising out of operation of a covered "auto" with your permission. However, this additional insurance does not apply to:
(1) The owner or anyone else from whom you hire or borrow a covered "auto". This exception does not apply if the covered "auto" is a "trailer" connected to a covered "auto" you own.
(2) Your "employee" if the covered "auto" is owned by that "employee" or a member of his or her household.
(3) Someone using a covered "auto" while he or she is working in a business of selling, servicing, repairing, parking or storing "autos" unless that business is yours.
(4) Anyone other than your "employees", partners (if you are a partnership), members (if you are a limited liability company), or a lessee or borrower or any of their "employees", while moving property to or from a covered "auto".
(5) A partner (if you are a partnership), or a member (if you are a limited liability company) for a covered "auto" owned by him or her or a member of his or her household.

B. The coverage extended to any additional insured by this endorsement is limited to, and subject to all terms, conditions, and exclusions of the Coverage Part to which this endorsement is attached.

In addition, coverage shall not exceed the terms and conditions that are required by the terms of the written agreement to add any insured, or to procure insurance.

C. The limits of insurance applicable to such insurance shall be the lesser of the limits required by the agreement between the parties, or the limits provided by this policy.

D. Additional exclusions. The insurance afforded to any person or organization as an insured under this endorsement does not apply:
1. To "loss" which occurs prior to the date of your contract with such person or organization;
2. To "loss" arising out of the sole negligence of any person or organization that would not be an insured except for this endorsement.
3. To "loss" for any leased or rented "auto" when the lessor or his or her agent takes possession of the leased or rented "auto" or the policy period ends, whichever occurs first.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET WAIVER OF TRANSFER OF RIGHTS OF RECOVERY

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

In the event of any payment for a loss under this Business Auto Coverage Part arising out of your ongoing operations, we agree to waive our rights under the TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US condition against any person or organization, its subsidiaries, directors, agents or employees, for which you have agreed by written contract, prior to the occurrence of any loss, to waive such rights, except when the payment results from the sole negligence of that person or organization, its subsidiaries, directors, agents or employees.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - AUTOMATIC STATUS WHEN REQUIRED IN A WRITTEN CONSTRUCTION AGREEMENT WITH YOU

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. **Section II - Who Is An Insured** is amended to include as an additional insured any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization be added as an additional insured on your policy. Such person or organization is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured.

However, the insurance afforded to such additional insured:

1. Only applies to the extent permitted by law; and
2. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

A person's or organization's status as an additional insured under this endorsement ends when your operations for that additional insured are completed.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to:

1. "Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:
   - **a.** The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
   - **b.** Supervisory, inspection, architectural or engineering activities.

   This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional architectural, engineering or surveying services.

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2. "Bodily injury" or "property damage" occurring after:
   a. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
   b. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III - Limits Of Insurance:**

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement you have entered into with the additional insured; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION) - AUTOMATIC

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
ELECTRONIC DATA LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART DESIGNATED SITES
POLLUTION LIABILITY LIMITED COVERAGE PART DESIGNATED SITES
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY DESIGNATED TANKS

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV - Conditions:**

We waive any right of recovery against any person or organization, because of any payment we make under this Coverage Part, to whom the insured has waived its right of recovery in a written contract or agreement. Such waiver by us applies only to the extent that the insured has waived its right of recovery against such person or organization prior to loss.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Project(s):
Each construction project as required by written contract or written agreement.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** - Coverage **A**, and for all medical expenses caused by accidents under Section **I** - Coverage **C**, which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage **A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage **C** regardless of the number of:
   a. Insureds;
   b. Claims made or "suits" brought; or
   c. Persons or organizations making claims or bringing "suits".
3. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

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B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** - Coverage **A**, and for all medical expenses caused by accidents under Section **I** - Coverage **C**, which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
2. Such payments shall not reduce any Designated Construction Project General Aggregate Limit.

C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.

D. If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.

E. The provisions of Section **III** - Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

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DAYJA-1

OP ID: JS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 02/24/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 925-475-8624 Nixon Insurance Agency aff. of Atlantic-Pacific Ins. 396 Civic Drive, #A Pleasant Hill, CA 94523 Chris Nixon, CIC, CPCU	CONTACT NAME: Jan Sprague PHONE (A/C, No, Ext): 925-475-8624 FAX (A/C, No): 925-521-1608 E-MAIL ADDRESS: jsprague@nixoninsuranceagency.com
INSURED James Day Construction,Inc dba: Coastal Mountain Electric 14832 Lakeshore Drive Clearlake, CA 95422	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Everest Premier Insurance Co — 16045 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	7600004663261	01/01/2026	01/01/2027	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE - Services for the District
Naming Chualar Union School District as Certificate holder including waiver of subrogation per WC040306 with respect to work performed; Cancellation per WC040601B

CERTIFICATE HOLDER CHUAL-1

Chualar Union School District
Attn Yen Le, Business Manager
24285 Lincoln St./P.O. Box 188
Chualar, CA 93925-0188

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jan Sprague

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WORKERS COMPENSATION AND EMPLOYERS LIABILITY INSURANCE POLICY WC 04 03 06

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2% of the California workers' compensation premium otherwise due on such remuneration.

SCHEDULE

PERSON OR ORGANIZATION	JOB DESCRIPTION
ANY PERSON OR ORGANIZATION FOR WHOM YOU ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT TO OBTAIN THIS WAIVER OF RIGHT FROM US PRIOR TO INJURY.	BLANKET WAIVER OF SUBROGATION

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective: **01/01/2026** Policy No. **7600004663261** Endorsement No. **001**

Insured: **James Day Construction Inc**

Premium $ INCL.

Insurance Company: **Everest Premier Insurance Company**

Countersigned By: Jan Sprague

- 1998 by the Workers' Compensation Insurance Rating Bureau of California. All rights reserved.
From the WCIRB's California Workers' Compensation Insurance Forms Manual - 1999.

POLICY NUMBER: 7600004663261

CALIFORNIA CANCELATION ENDORSEMENT

This endorsement applies only to the insurance provided by the policy because California is shown in Item 3.A. of the Information Page.

The cancelation condition in Part Six (Conditions) of the policy is replaced by these conditions:

Cancelation:

1. You may cancel this policy. You must mail or deliver advance written notice to us stating when the cancelation is to take effect.
2. We may cancel this policy for one or more of the following reasons:
   a. Non-payment of premium;
   b. Failure to report payroll;
   c. Failure to permit us to audit payroll as required by the terms of this policy or of a previous policy issued by us;
   d. Failure to pay any additional premium resulting from an audit of payroll required by the terms of this policy or any previous policy issued by us;
   e. Material misrepresentation made by you or your agent;
   f. Failure to cooperate with us in the investigation of a claim;
   g. Material failure to comply with federal or state safety orders or written recommendations of our designated loss control representatives;
   h. The occurrence of a material change in the ownership of your business;
   i. The occurrence of any change in your business or operations that materially increases the hazard for frequency or severity of loss;
   j. The occurrence of any change in your business or operation that requires additional or different classification for premium calculation;
   k. The occurrence of any change in your business or operation which contemplates an activity excluded by our reinsurance treaties.
3. If we cancel your policy for any of the reasons listed in (a) through (f), we will give you 10 days advance written notice, stating when the cancelation is to take effect. Mailing that notice to you at your mailing address shown in Item 1 of the Information Page will be sufficient to prove notice. If we cancel your policy for any of the reasons listed in Items (g) through (k), we will give you 30 days advance written notice; however, we agree that in the event of cancelation and reissuance of a policy effective upon a material change in ownership or operations, notice will not be provided.
4. If we mail the notice to you, the stated periods of notice and your right to remedy the condition will be extended by 5 days if the place of mailing and your mailing address is within California, 10 days if the place of mailing or your mailing address is outside of California and 20 days if the place of mailing or your mailing address is outside of the United States.
5. The policy period will end on the day and hour stated in the cancelation notice.

DATE OF ISSUE: 01-02-26

PERFORMANCE BOND Bond #: GRCA73344

PERFORMANCE BOND (100% of Contract Price)
(Note: Contractors must use this form, NOT a surety company form.)

WHEREAS, the governing board ("Board") of the Chualar Union School District ("District") and James Day Construction, Inc. dba Coastal Mountain Electric, ("Principal)" have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project: "**Project-Name**" (**"Project" or "Contract"**) Emergency Backup Generator Installation for Walk-In Refrigerator & Freezer at 24285 Lincoln Street, Chualar, CA 93925. C#2026-03 which Contract dated February 18, 2026, and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

WHEREAS, the Principal is required under the terms of the Contract to furnish a bond for the faithful performance of the Contract;

NOW, THEREFORE, the Principal and Granite Re, Inc. dba Granite Surety Insurance Company ("Surety") are held and firmly bound unto the District in the penal sum of: $ 84,998.00 (Eighty Four Thousand Nine Hundred Ninety Eighty & 00/100) Dollars, lawful money of the United States, for payment to the District and will and truly be made pursuant to the provisions herein. Principal and Surety, each of us, bind ourselves, our heirs, executors, administrators, successors, and assigns jointly and severally to:

- Perform all the work required to complete the Project; and
- Pay to the District all damages the District incurs as a result of the Principal's failure to perform all the Work required to complete the Project.

In the event the Principal is declared by the District to be in breach or default in the performance of the Contract, then, after written notice from the District to the Surety, as provided for herein, the Surety shall either remedy the default or breach of the Principal or shall take charge of the Work of the Contract and complete the Contract with a Contractor other than the Principal at its own expense; provided, however, that the procedure by which the Surety undertakes to discharge its obligations under this Bond shall be subject to the advance written approval of the District.

The condition of the obligation is such that, if the above bounden Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in the Contract and any alteration thereof made as therein provided, on his or its part to be kept and performed at the time and in the intent and meaning, including all contractual guarantees and warrantees of materials and workmanship, and shall indemnify and save harmless the District, its trustees, officers and agents, as therein stipulated, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the Contract, the above obligation shall hold good for a period equal to the warranty and/or guarantee period of the Contract, during which time Surety's obligation shall continue if Contractor shall fail to make full, complete, and satisfactory repair, replace, and totally protect the District from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the District's rights or the Contractor's or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the

terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

Any claims under this bond may be addressed to the Surety at the following address. This cannot be the Contractor's broker for this bond, but must be an employee of the Surety or the Surety's legal counsel:

Granite Re, Inc. dba Granite Surety Insurance Company
Surety's Representative / Legal Counsel

Claims Department
Attention

833-985-0288
Direct Telephone Number

staff@granitere.com
Email Address

14001 Quailbrook Dr.
Oklahoma City, OK 73134
Mailing Address

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on February 25, 2026.

Principal

James Day Construction, Inc.
dba Coastal Mountain Electric
(Name of Principal)

(Signature of Person with Authority)

Jon Rogers, President
(Print Name)

JAMES DAY CONSTRUCTION, INC. CORPORATE SEAL 01/01/1987 CALIFORNIA

Surety

Granite Re, Inc. dba Granite
Surety Insurance Company
(Name of Surety)

(Signature of Person with Authority)

Kenneth D. Whittington, Attorney-in-Fact
(Print Name)

John Meidinger - Federated Insurance
(Name of California Agent of Surety)
10850 Gold Center Dr., Suite 150
Rancho Cordova, CA 95670
(Address of California Agent of Surety)

Surety: 833-985-0288, Agent: 707-280-1336
(Telephone Number of California Agent of Surety)

Contractor must attach a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

ACKNOWLEDGMENT OF PRINCIPAL

State of California
County of Lake

On this 6 day of March, 2026, before me Susan E. Stone, Notary Public personally appeared
Here insert Name and Title of Officer

Jon Rogers, who proved to me on the basis of satisfactory evidence to be the person
Name of Signer

whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under the PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

SUSAN E. STONE
Notary Public - California
Lake County
Commission # 2396572
My Comm. Expires Apr 6, 2026

WITNESS my hand and official seal.

Signature Susan E Stone
Signature of Notary Public

ACKNOWLEDGMENT OF SURETY

State of Oklahoma
County of Oklahoma

On this 25 day of February, 2026 before me personally come(s) Kenneth D. Whittington, Attorney-in-Fact of Granite Re, Inc. DBA Granite Surety Insurance Company with whom I am personally acquainted, and who, being by me duly sworn, says that he reside(s) in Oklahoma City, Oklahoma that he is the Attorney-in-Fact of Granite Re, Inc. DBA Granite Surety Insurance Company, the company described in and which executed the within instrument; that he know(s) the corporate seal of such Company; and that the seal affixed to the within instrument is such corporate seal and that it was affixed by order of the Board of Directors of said company, and he signed said instrument as Attorney(s)-in-Fact of the said Company by like order.

Lauren N. Smith
Notary Public

LAUREN N. SMITH
NOTARY PUBLIC
STATE OF OKLAHOMA
COMMISSION #24014065
EXP. 11/12/28

GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

KENNETH D. WHITTINGTON; KYLE MCDONALD its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

KENNETH D. WHITTINGTON; KYLE MCDONALD may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 31st day of July, 2023.

Kenneth D. Whittington, President

Kyle P. McDonald, Assistant Secretary

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)

On this 31st day of July, 2023, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
April 21, 2027
Commission #: 11003620

Notary Public

GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY and that said Power of Attorney has not been revoked and is now in full force and effect.

> "RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this February 25, 2026.

Kyle P. McDonald, Assistant Secretary

PAYMENT BOND Bond #: GRCA73344

PAYMENT BOND -- Contractor's Labor & Material Bond (100% of Contract Price)
(Note: Contractors must use this form, NOT a surety company form.)

WHEREAS, the governing board ("Board") of the **CHUALAR UNION SCHOOL DISTRICT**, ("District") and James Day Construction, Inc. dba Coastal Mountain Electric ,("Principal)" have entered into a contract for the furnishing of all materials and labor, services and transportation, necessary, convenient, and proper to perform the following project: Emergency Backup Generator Installatic for Walk-In Refrigerator & Freezer at 24285 Lincoln Street, Chualar, CA 93925. C#2026-03 which Contract dated February 18, 2026 , and all of the Contract Documents attached to or forming a part of the Contract, are hereby referred to and made a part hereof, and

WHEREAS, pursuant to law and the Contract, the Principal is required, before entering upon the performance of the work, to file a good and sufficient bond with the body by which the Contract is awarded in an amount equal to 100 percent (100%) of the Contract price, to secure the claims to which reference is made in the Civil Code of California, including section 9100, and the Labor Code of California, including section 1741.

NOW, THEREFORE, the Principal and Granite Re, Inc. dba Granite Surety Insurance Company ("Surety") are held and firmly bound unto all laborers, material men, and other persons referred to in said statutes in the penal sum of:

$ 84,998.00 (Eighty Four Thousand Nine Hundred Ninety Eighty & 00/100) **Dollars,** lawful money of the United States, being a sum not less than the total amount payable by the terms of Contract, for the payment of which sum well and truly to be made pursuant to all applicable statutes and laws applicable to the provisions herein. Principal and Surety, each of us, bind ourselves, our heirs, executors, administrators, successors, or assigns, jointly and severally, to those applicable statutes and laws, and to the provisions herein.

The condition of this obligation is that if the Principal or any of his or its subcontractors, of the heirs, executors, administrators, successors, or assigns of any, all, or either of them shall fail to pay for any labor, materials, provisions, equipment, or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to that work or labor, that the Surety will pay the same in an amount not exceeding the amount herein above set forth, and also in case suit is brought upon this bond, will pay a reasonable attorney's fee to be awarded and fixed by the Court, and to be taxed as costs and to be included in the judgment therein rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under sections 9000 through 9566 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Should the condition of this bond be fully performed, then this obligation shall become null and void; otherwise it shall be and remain in full force and affect.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the Work to be performed thereunder shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the Contract Documents or to the Work.

Any claims under this bond may be addressed to the Surety at the following address. This cannot be the Contractor's broker for this bond, but must be an employee of the Surety or the Surety's legal counsel:

Granite Re, Inc. dba Granite Surety Insurance Company
Surety's Representative / Legal Counsel

Claims Department
Attention

833-985-0288
Direct Telephone Number

staff@granitere.com
Email Address

14001 Quailbrook Dr.
Oklahoma City, OK 73134
Mailing Address

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Principal and Surety above named, on February 25, 20 26.

Principal

James Day Construction, Inc.
dba Coastal Mountain Electric
(Name of Principal)

(Signature of Person with Authority)

Jon Rogers, President
(Print Name)

Surety

Granite Re, Inc. dba Granite
Surety Insurance Company
(Name of Surety)

(Signature of Person with Authority)

Kenneth D. Whittington, Attorney-in-Fact
(Print Name)

John Meidinger - Federated Insurance
(Name of California Agent of Surety)
10850 Gold Center Dr., Suite 150
Rancho Cordova, CA 95670
(Address of California Agent of Surety)

Surety: 833-985-0288, Agent: 707-280-1336
(Telephone Number of California Agent of Surety)

JAMES DAY CONSTRUCTION INC CORPORATE SEAL 01/01/1987 CALIFORNIA

Contractor must attach a Notarial Acknowledgment for all Surety's signatures and a Power of Attorney and Certificate of Authority for Surety. The California Department of Insurance must authorize the Surety to be an admitted surety insurer.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

ACKNOWLEDGMENT OF PRINCIPAL

State of California
County of Lake

On this 6 day of March, 2026, before me Susan E Stone, Notary Public personally appeared
Here insert Name and Title of Officer

Jan Rogers, who proved to me on the basis of satisfactory evidence to be the person
Name of Signer

whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under the PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

SUSAN E. STONE
Notary Public - California
Lake County
Commission # 2396572
My Comm. Expires Apr 6, 2026

WITNESS my hand and official seal.

Signature Susan E Stone
Signature of Notary Public

ACKNOWLEDGMENT OF SURETY

State of Oklahoma
County of Oklahoma

On this 25 day of February, 2026 before me personally come(s) Kenneth D. Whittington, Attorney-in-Fact of Granite Re, Inc. DBA Granite Surety Insurance Company with whom I am personally acquainted, and who, being by me duly sworn, says that he reside(s) in Oklahoma City, Oklahoma that he is the Attorney-in-Fact of Granite Re, Inc. DBA Granite Surety Insurance Company, the company described in and which executed the within instrument; that he know(s) the corporate seal of such Company; and that the seal affixed to the within instrument is such corporate seal and that it was affixed by order of the Board of Directors of said company, and he signed said instrument as Attorney(s)-in-Fact of the said Company by like order.

Lauren N. Smith
Notary Public

LAUREN N. SMITH
NOTARY PUBLIC
STATE OF OKLAHOMA
COMMISSION #24014065
EXP. 11/12/28
IN AND FOR

GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

KENNETH D. WHITTINGTON; KYLE MCDONALD its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

KENNETH D. WHITTINGTON; KYLE MCDONALD may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 31st day of July, 2023.

Kenneth D. Whittington, President

Kyle P. McDonald, Assistant Secretary

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)

On this 31st day of July, 2023, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
April 21, 2027
Commission #: 11003620

Notary Public

GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY, a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of GRANITE RE, INC. DBA GRANITE SURETY INSURANCE COMPANY and that said Power of Attorney has not been revoked and is now in full force and effect.

> "RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this February 25, 2026.

Kyle P. McDonald, Assistant Secretary

No. 6204-2

STATE OF CALIFORNIA

DEPARTMENT OF INSURANCE

OAKLAND

Amended

Certificate of Authority

THIS IS TO CERTIFY *that, pursuant to the Insurance Code of the State of California,*

Granite Re, Inc.

to conduct business in California under the operating name

Granite Surety Insurance Company

*of **Minnesota**, organized under the laws of **Minnesota**, subject to its Articles of Incorporation or other fundamental organizational documents, is hereby authorized to transact within this State, subject to all provisions of this Certificate, the following classes of insurance:*

Surety

as such classes are now or may hereafter be defined in the Insurance Laws of the State of California.

THIS CERTIFICATE *is expressly conditioned upon the holder hereof now and hereafter being in full compliance with all, and not in violation of any, of the applicable laws and lawful requirements made under authority of the laws of the State of California as long as such laws or requirements are in effect and applicable, and as such laws and requirements now are, or may hereafter be changed or amended.*

IN WITNESS WHEREOF, *effective as of the 15th day of July, 2020, I have set my hand and caused my official seal to be affixed this 15th day of July, 2020.*



Ricardo Lara
Insurance Commissioner

By

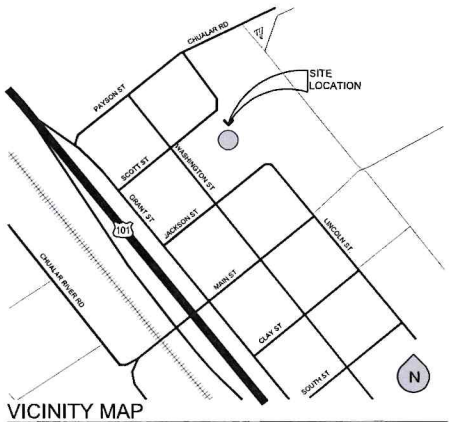
Valerie Sarfaty
for Catalina Hayes-Bautista
Insurance Chief Deputy

NOTICE:
Qualification with the Secretary of State must be accomplished as required by the California Corporations Code promptly after issuance of this Certificate of Authority. Failure to do so will be a violation of Insurance Code section 701 and will be grounds for revoking this Certificate of Authority pursuant to the covenants made in the application therefor and the conditions contained herein.

BACK-UP GENERATOR FOR:

CHUALAR UNION ELEMENTARY SCHOOL

24285 LINCOLN ST, CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT



VICINITY MAP

NO SCALE

SHEET INDEX

TOTAL SHEETS: 10

T1.0 TITLE SHEET

ARCHITECTURAL

A9.1 SITE DETAILS

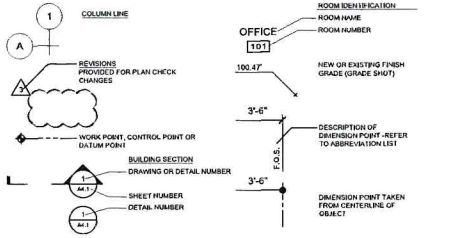
PLUMBING **

P0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES - PLUMBING
P2.1 FLOOR PLAN - PLUMBING

ELECTRICAL **

E001 SYMBOLS, ABBREVIATIONS, GENERAL CONSTRUCTION NOTES.
CODES & SHEET INDEX
E101 ELECTRICAL SINGLE LINE DIAGRAM
E201 ELECTRICAL SITE PLAN
E401 POWER & SYSTEMS PLAN
E601 ELECTRICAL DETAILS
E701 ELECTRICAL SPECIFICATIONS

SYMBOLS



ABBREVIATIONS

(E)	EXISTING	EXT	EXTERIOR	NTS	NOT TO SCALE
(N)	NEW	FA	FIRE ALARM	OC	ON CENTER
AC	ASPHALTIC CONCRETE	FD	FLOOR DRAIN	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
BLDG	BUILDING	FE	FIRE EXTINGUISHER	OFOI	OWNER FURNISHED OWNER INSTALLED
BLK	BLOCK	FEC	FIRE EXTINGUISHER CABINET	PLAM	PLASTIC LAMINATE
BLKG	BLOCKING	FIN	FINISH	PLYWD	PLYWOOD
BOT	BOTTOM	FL	FLOOR	PSI	POUNDS PER SQUARE INCH
BTWN	BETWEEN	FOF	FACE OF FINISH	RD	ROOF DRAIN
CLG	CEILING	FT	FOOT OR FEET	REQ	REQUIRED
CLR	CLEAR	GA	GAUGE	RM	ROOM
COL	COLUMN	GALV	GALVANIZED	RO	ROUGH OPENING
CONC	CONCRETE	GYPBD	GYPSUM BOARD	RR	RESTROOM
CONT	CONTINUOUS	HDR	HEADER	SF	SQUARE FEET
DBL	DOUBLE	HM	HOLLOW METAL	SIM	SIMILAR
DEPT	DEPARTMENT	HR	HOUR	SPEC	SPECIFICATION
DIA	DIAMETER	IN	INCH	TYP	TYPICAL
DIM	DIMENSION	INT	INTERIOR	UON	UNLESS OTHERWISE NOTED
DS	DOWNSPOUT	LAV	LAVATORY	W/	WITH
DWG	DRAWING	MAX	MAXIMUM	WC	WATER CLOSET
EA	EACH	MECH	MECHANICAL	W/O	WITHOUT
ELEC	ELECTRICAL	MIN	MINIMUM		
EQ	EQUAL	MISC	MISCELLANEOUS		
EW	EACH WAY	NIC	NOT IN CONTRACT		

SCOPE OF WORK

- BACKUP GENERATOR, CONCRETE PAD & REQUIRED ELECTRICAL WORK.

CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC); PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC); PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC); PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC); PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE; PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC); PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCE STANDARDS CODE; PART 12, TITLE 24, C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC & CFC, AND THE WRITTEN FIRE LIFE SAFETY PLAN.

DEFERRED SUBMITTALS

DEFERRED SUBMITTALS PER C.B.C. 107.3.4.2
- THERE ARE NO DEFERRED SUBMITTALS FOR THIS PROJECT.

DSA NOTES

1. TITLE 24, PARTS 1-5 MUST BE KEPT ON THE SITE DURING CONSTRUCTION.
2. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS WILL BE CONSIDERED AS CHANGES TO APPROVED PLANS OR SPECIFICATIONS. THEY ARE TO BE TREATED AS ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS, AND WILL REQUIRED DSA'S APPROVAL PRIOR TO FABRICATION AND INSTALLATION. (SEC. 4-338 (c). PART 1, TITLE 24 AND IR A-6).
3. ADDENDA MUST BE STAMPED AND SIGNED BY A/E ON RECORD AND DELEGATED DESIGN PROFESSIONAL WHEN APPLICABLE, AND APPROVED BY DSA, (SEC. 4-338 (SEC. 4-338(b), PART 1, TITLE 24).
4. CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE AND LIFE SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT (CCD, DSA FORM 140) AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. CHANGES AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, TITLE 24, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED, STAMPED AND SIGNED BY THE ARCHITECT AND ENGINEERS IN RESPONSIBLE CHARGE AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
5. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
6. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
7. CONTRACTOR, INSPECTOR, ARCHITECT AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM DSA-6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.
8. GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONCERNS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
9. PRIOR TO OCCUPANCY OF ANY BUILDING THE FIRE ALARM SYSTEM SHALL BE TESTED AND ACCEPTED BY THE LOCAL FIRE AUTHORITY.
10. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.

PROJECT TEAM

OWNER:
CHUALAR UNION SCHOOL DISTRICT
24285 LINCOLN STREET,
CHUALAR, CA 93925
CONTACT: RUBEN PULIDO
EMAIL: rpulido@chualarusd.org
OWNER: (831) 675-2504 x100

ARCHITECT:
PEARTREE+ BELLI ARCHITECTS
235 MONTEREY ST, SUITE B
SALINAS,CA 93901
CONTACT: DAVID PEARTREE
EMAIL: david@pearbelli.com
PHONE: (831) 424-4420

MECHANICAL/PLUMBING:
CYPRESS ENGINEERING GROUP, LLC
8 HARRIS COURT, BLDG. A - UNIT 6
MONTEREY, CA 93940
CONTACT: METIN SERTTUNC
EMAIL: metin@cypresseg.com
PHONE: (408) 510-0906

ELECTRICAL/FIRE ALARM:
AURUM CONSULTING ENGINEERS
60 GARDEN COURT, STE. 210
MONTEREY, CA 93940
CONTACT: NAJIB ANWARY
EMAIL: najib@arc-mb.com
PHONE: (831) 646-3300

PROJECT DATA

ASSESSOR PARCEL NUMBER (APN): 145-031-003-000, 145-042-003-000
ZONING: PQP - PUBLIC/ QUASI-PUBLIC

ALL BUILDING DATA IS EXISTING TO REMAIN (NO CHANGE)

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS INCLUDING BUT NOT LIMITED TO SHOW DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

(APPLICATION No. N/A FILE No. N/A)

** SHEETS: SEE SHEET INDEX

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME; AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-316 (b)).

I CERTIFY THAT:

☑ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☑ THIS DRAWING OR PAGE

☑ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND

☑ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

DAVID PEARTREE, LIC. C-30852, EXP.: 12/31/2025

SIGNATURE 06/13/2025 DATE

Peartree+Belli
ARCHITECTS
235 MONTEREY ST., SUITE B
SALINAS, CA 93901
(831) 424-4620
PEARTREEBELLI.COM

LICENSED ARCHITECT
DAVID PEARTREE
C-30852
EXP. 12/31/25
STATE OF CALIFORNIA

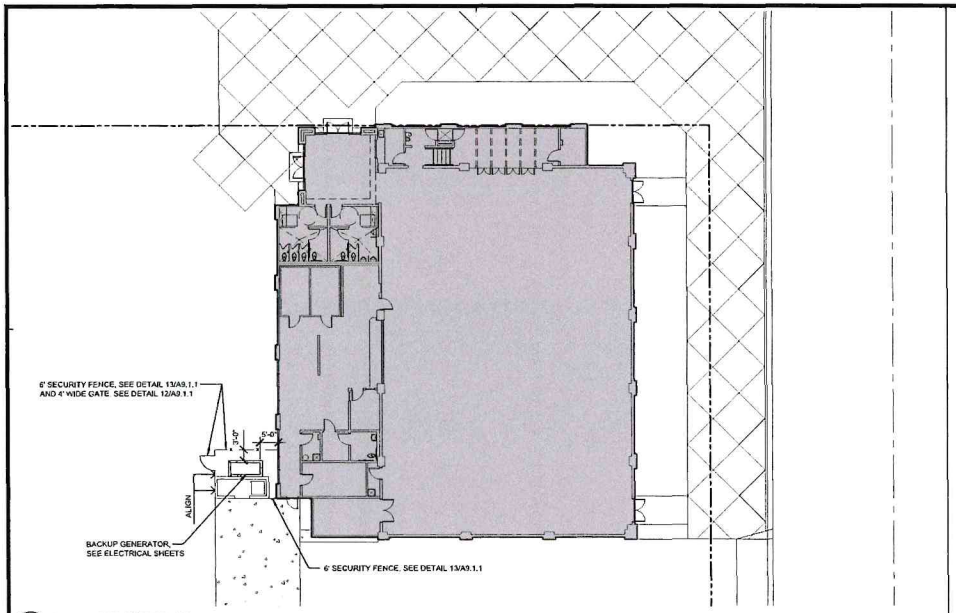
TITLE SHEET

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST, CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

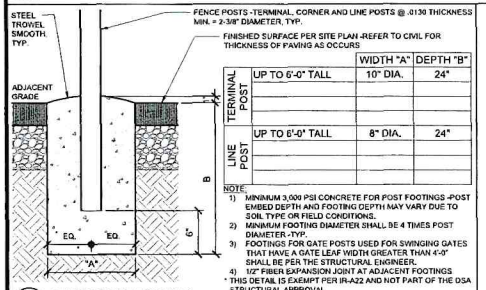
REV.	DATE	DESCRIPTION
	06/16/25	PROGRESS SET

SCALE: AS NOTED
DRAWN: YP
JOB: 25050
SHEET: T1.0

THE USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF PEARTREE+BELLI ARCHITECTS WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE VISUAL CONTRACT EVIDENCED BY THESE DRAWINGS AND SPECIFICATIONS MAY NOT BE USED BY ANY PERSON OR ENTITY FOR ANY PROJECT OTHER THAN THE PROJECT FOR WHICH THEY WERE PREPARED WITHOUT THE EXPRESS WRITTEN PERMISSION OF PEARTREE+BELLI ARCHITECTS. ANY UNAUTHORIZED USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE AT THE SOLE RISK AND LIABILITY OF THE PERSON OR ENTITY USING THEM OR CAUSING THEM TO BE USED.



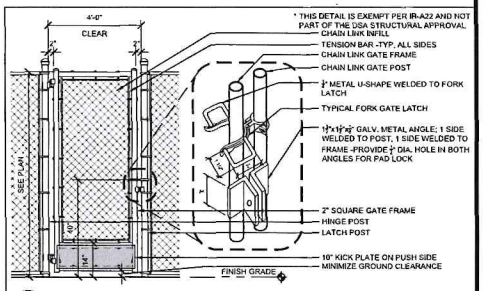
5 ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0"



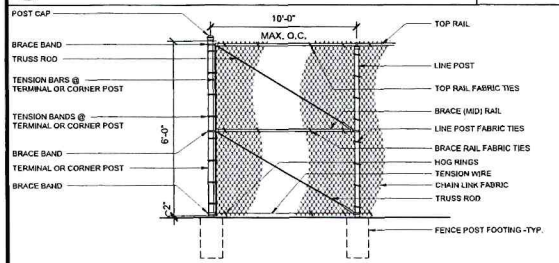
		WIDTH "A"	DEPTH "B"
TERMINAL POST	UP TO 6'-0" TALL	10" DIA.	24"
LINE POST	UP TO 6'-0" TALL	8" DIA.	24"

NOTE
1) MINIMUM 3,000 PSI CONCRETE FOR POST FOOTINGS -POST EMBED DEPTH AND FOOTING DEPTH MAY VARY DUE TO SOIL TYPE OR FIELD CONDITIONS.
2) MINIMUM FOOTING DIAMETER SHALL BE 4 TIMES POST DIAMETER -TYP.
3) FOOTINGS FOR GATE POSTS USED FOR SWINGING GATES THAT HAVE A GATE LEAF WIDTH GREATER THAN 4'-0" SHALL BE PER THE STRUCTURAL ENGINEER.
4) 1/2" FIBER EXPANSION JOINT AT ADJACENT FOOTINGS.
* THIS DETAIL IS EXEMPT PER IR-A22 AND NOT PART OF THE DSA STRUCTURAL APPROVAL

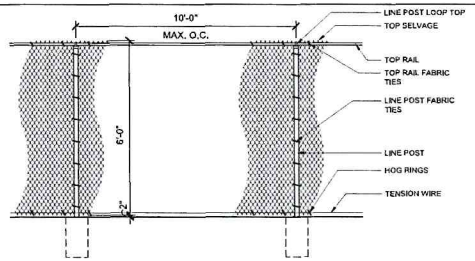
9 FENCE POST FOOTING
SCALE: 1-1/2" = 1'-0"



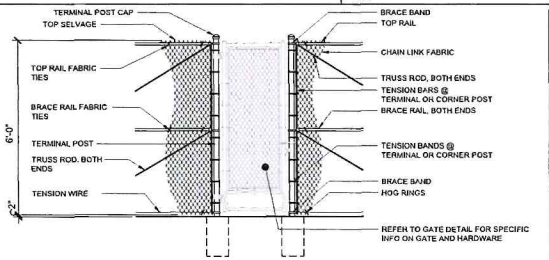
12 MAINTENENCE CHAIN LINK GATE
SCALE: 1/2" = 1'-0"



TYPICAL CORNER POSTS



TYPICAL LINE POSTS



TERMINAL POSTS AT GATE

CHAIN LINK SPECS (OVER 4'-0" TO 6'-0")

SELVAGE TYPE:	KNUCKLE
FABRIC MESH SIZE:	2"
MIN. MESH GAUGE:	6*
POST CAP TYPE:	DOME
LINE POST SIZE:	1- 7/8" SCHEDULE 40
CORNER POST SIZE:	2-3/8" SCHEDULE 40
TERMINAL POST SIZE:	2-3/8" SCHEDULE 40
TOP RAIL SIZE:	1-5/8" SCHEDULE 40
BRACE (MID) RAIL SIZE:	1-5/8" SCHEDULE 40
TENSION WIRE:	7 GAUGE
HOG RINGS:	18" ON CENTER
TRUSS ROD SIZE:	3/8" DIAMETER
TENSION BAR SIZE:	1/4" x 3/4"
TENSION BANDS:	12" ON CENTER
FABRIC TIES:	12" O.C. AT POSTS, 18" O.C. AT RAILS

NOTES:
1) ALL CHAIN LINK COMPONENTS AND SIZING SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE "CHAIN LINK FENCE MANUFACTURERS INSTITUTE"
2) ALL POSTS, RAILINGS, FITTINGS, ACCESSORIES AND FABRIC SHALL BE HOT DIPPED GALVANIZED.
3) ALL CORNER AND END POSTS SHALL BE PROVIDED WITH A BRACE RAIL AND TRUSS ROD.
4) CHAIN LINK FABRIC SHALL BE PLACED ON THE EXTERIOR OF THE DEFENSIBLE SPACE -TYP.
5) FENCE POST FOOTING -REFER TO 9/-
* THIS DETAIL IS EXEMPT PER IR-A22 AND NOT PART OF THE DSA STRUCTURAL APPROVAL

13 CHAIN LINK FENCING
SCALE: 3/8" = 1'-0"

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C-33852
12/31/25
STATE OF CALIFORNIA

SITE DETAILS
BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST, CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION
	06.16.25	PROGRESS SET

SCALE: AS NOTED
DRAWN: YP
JOB: 25050
SHEET: A9.1

THESE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF PEARTREE+BELLI ARCHITECTS. THEY ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF PEARTREE+BELLI ARCHITECTS. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE HEREBY RESERVED.

SYMBOL LEGEND

SYMBOL	ABBRV.	IDENTIFICATION
	CW	COLD WATER (DOMESTIC)
	HW	HOT WATER
	HWR	HOT WATER RETURN
	V	VENT
	TP	TRAP PRIMER LINE
	S OR W	SOIL OR WASTE ABOVE GRADE
	S OR W	SOIL OR WASTE BELOW GRADE
	AW	ACID WASTE
	GW	GREASE WASTE
	RWL	RAIN WATER LEADER
	OD	OVERFLOW DRAIN
	CD	CONDENSATE DRAIN
		CAP
	CONT	CONTINUATION
		BALL VALVE
OR		VALVE
	CKV	CHECK VALVE
	T&PRV	TEMP. & PRESS. RELIEF VALVE
	GPR	GAS PRESSURE REGULATOR
		CIRCULATION PUMP (DOMESTIC)
	WHA	WATER HAMMER ARRESTOR
	TP	TRAP PRIMER ACCESS PANEL
GCO/FCO	GCO/FCO	GRADE CLEAN-OUT/FLOOR CLEAN-OUT
	WCO	WALL CLEAN-OUT
	HB	HOSE BIBB
		UNION
	AN	PIPE ANCHOR
		FLEXIBLE CONNECTOR

SYMBOL	ABBRV.	IDENTIFICATION
	P.O.C.	POINT OF CONNECTION
		REMOVE EXISTING
		LINE BREAK
		TEE DOWN
		90 DOWN
		RISER
		CONCENTRIC & ECCENTRIC REDUCERS
	AD, AP	ACCESS DOOR, ACCESS PANEL
	MAV	MANUAL AIR VENT
T	T	THERMOSTAT MOUNTED @ 48" AFF, MAX
CO2	CO2	CARBON DIOXIDE (CO2) SENSOR
S		SWITCH
	AD	AREA DRAIN
	FD	FLOOR DRAIN
	FS	FLOOR SINK
OR	VB	VALVE IN BOX
	TH	THERMOMETER
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
WH / A-1		EQUIPMENT DESIGNATION / TAG NUMBER
1 / P2.1		SECTION 1 / SHEET P2.1

ABBREVIATIONS

&	AND	ESP	EXTERNAL STATIC PRESSURE	NO	NORMALLY OPEN
°F	DEGREES FAHRENHEIT	EWB	ENTERING WET BULB	NTS	NOT TO SCALE
AC	AIR CONDITIONER	EWT	ENTERING WATER TEMPERATURE	OA	OUTSIDE AIR
AD	ACCESS DOOR	EXT	EXTERIOR	OC	ON CENTER
AN	PIPE ANCHOR	FD	FLOOR DRAIN	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
AP	ACCESS PANEL	FFE	FINISHED FLOOR ELEVATION	PH	PHASE
AFF	ABOVE FINISH FLOOR	FLA	FULL LOAD AMPS	PRV	PRESSURE REDUCING VALVE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FLEX	FLEXIBLE	PSI	POUNDS PER SQUARE INCH
AL	ACOUSTICALLY LINED	FPM	FEET PER MINUTE FPM	P/T	PRESSURE/TEMPERATURE
AMP	AMPERE	FS	FLOOR SINK	QTY	QUANTITY
APPROX	APPROXIMATE	FT	FEET	RA	RETURN AIR
ARCH	ARCHITECT/ARCHITECTURAL	FT HD	FEET HEAD	RM	ROOM
AW	ACID WASTE	FTR	FLUE THRU ROOF	RP	REDUCED PRESSURE
BHP	BRAKE HORSEPOWER	G	GAS - LOW PRESSURE	RPM	REVOLUTIONS PER MINUTE
BLDG	BUILDING	GPM	GALLONS PER MINUTE	RV	RELIEF VALVE
BTU	BRITISH THERMAL UNIT	GPR	GAS PRESSURE REGULATOR	SA	SUPPLY AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	GW	GREASE WASTE PIPING	SC	SENSIBLE COOLING
CA	COMBUSTION AIR	HP	HORSEPOWER	SEER	SEASONAL ENERGY EFFICIENCY RATIO
CFH	CUBIC FEET PER HOUR	HR	HOUR	SOV	SHUT-OFF VALVE
CFM	CUBIC FEET PER MINUTE	HTG	HEATING	SP	STATIC PRESSURE
CIRC	CIRCULATING	HZ	HERTZ	SPEC	SPECIFICATION
℄	CENTER LINE	IE	INVERT ELEVATION	SQ	SQUARE
CLG	CEILING	IN	INCH	STRUCT	STRUCTURAL
CONC	CONCRETE	INV	INVERT	TC	TOTAL COOLING
CONN	CONNECTION	KW	KILOWATTS	TDH	TOTAL DYNAMIC HEAD
CONT	CONTINUED, CONTINUATION	LAT	LEAVING AIR TEMPERATURE	TEMP	TEMPERATURE
COOL	COOLING	LBS	POUNDS	TH	THERMOMETER
COP	COEFFICIENT OF PERFORMANCE	LWT	LEAVING WATER TEMPERATURE	TSP	TOTAL STATIC PRESSURE
DB	DRY BULB	LWB	LEAVING WET BULB	TV	TURNING VANES
DCV	DOUBLE CHECK VALVE	MAX	MAXIMUM	TYP	TYPICAL
DF	DRINKING FOUNTAIN	MBH	1000 BTU PER HOUR	UL	UNDERWRITER'S LABORATORIES
DL	DOOR LOUVER	MCA	MINIMUM CIRCUIT AMPS	UON	UNLESS OTHERWISE NOTED
DN	DOWN	MCP	MECHANICAL CONTROL PANEL	V	VOLT
DWGS	DRAWINGS	MECH	MECHANICAL	VB	VALVE IN VALVE BOX
(E)	EXISTING	MFR	MANUFACTURER	VTR	VENT THROUGH ROOF
EA	EXHAUST AIR	MG	GAS - MEDIUM PRESSURE	W	WITH
EAT	ENTERING AIR TEMPERATURE	MIN	MINIMUM	WB	WET BULB
EER	ENERGY EFFICIENCY RATIO	MOCP	MAXIMUM OVERCURRENT PROTECTION	WC	WATER COLUMN
ELEC	ELECTRICAL	(N)	NEW	WH	WATER HEATER
ELEV	ELEVATION	NC	NORMALLY CLOSED	WT	WEIGHT
EQUIP	EQUIPMENT	N/C	NOT IN CONTRACT		

PLUMBING NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING: LOCAL, STATE, NATIONAL, NFPA AGENCIES. INFORMATION INCLUDED WITHIN THESE DOCUMENTS SHALL NOT BE CONSTRUED AS TO BE IN CONFLICT WITH APPLICABLE CODES. WHERE A CONFLICT OCCURS, THE CONTRACTOR SHALL PERFORM THE WORK TO THE MORE RESTRICTIVE REQUIREMENT.
2. ALL EQUIPMENT FIXTURES AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
4. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF ALL BUILDING PENETRATIONS AND FRAMING REQUIREMENTS. THE CONTRACTOR SHALL VERIFY ALL PROPOSED BUILDING PENETRATIONS AND METHODS OF FLASHING AND WEATHERPROOFING WITH THE ARCHITECT BEFORE BEGINNING ANY INSTALLATION.
5. ALL PENETRATIONS THROUGH THE EXTERIOR BUILDING SURFACE SHALL BE PROPERLY SEALED AND CAULKED WEATHERTIGHT.
6. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
7. FOR PIPES PENETRATING WALL, PROVIDE ESCUTCHEON PLATES AROUND PIPES AT ALL EXPOSED LOCATIONS.
8. PIPING SHALL NOT PENETRATE INTO, OVER, OR THROUGH ELECTRICAL ROOMS UNLESS IT SERVES THE SPECIFIC ROOM. WHEN SERVICING ELECTRICAL ROOM, COMPLY WITH NATIONAL ELECTRICAL CODE REQUIREMENT.
9. INSULATE HOT WATER PIPING SUPPLY AND RETURN. INSULATE COLD WATER PIPING LOCATED EXPOSED IN TEMPERED ROOMS AND IN CEILING SPACE.
10. ALL RISERS AND PIPE DROPS SHALL BE IN WALL CAVITY OR PLUMBING CHASE SPARE, UNLESS OTHERWISE NOTED.
11. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF ALL PLUMBING FIXTURES.
12. COORDINATE AND FIELD VERIFY EXACT LOCATION, SIZE, POINT OF CONNECTION, AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER FIELD WORK, ETC., PRIOR TO TRENCHING OR INSTALLING ANY NEW WORK.
13. COORDINATE AND VERIFY WITH STRUCTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL GRADE BEAMS AND FOOTINGS.
14. COORDINATE AND VERIFY ALL LOCATIONS, SIZES AND ELEVATIONS OF ALL SLEEVES THROUGH BEAMS, COLUMNS, SLABS AND FOOTINGS WITH STRUCTURAL ENGINEER AND ARCHITECT PRIOR TO STARTING INSTALLATION OF THE PLUMBING SYSTEM.
15. ALL HORIZONTAL WASTE LINES SHALL BE RUN AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED ON PLAN.
16. ALL VENTS THROUGH ROOF SHALL BE 10'-0" MINIMUM AWAY FROM ANY FRESH AIR INTAKE OR WINDOW. COORDINATE WITH MECHANICAL CONTRACTOR.
17. THE LOCATION AND ELEVATION OF ALL PLUMBING PIPING SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES' STRUCTURAL CONDITIONS AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.
18. PROVIDE GAS SHUTOFF VALVE, UNION, FLEX CONNECTION, AND DIRT LEG AT EACH GAS CONNECTION TO MECHANICAL EQUIPMENT.
19. ALL VALVES AND COCKS SHALL BE LOCATED TO BE READILY ACCESSIBLE. WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS, PARTITIONS OR CEILINGS, AN ACCESS PANEL SHALL BE INSTALLED. COORDINATE ACCESS PANEL LOCATION WITH THE ARCHITECT, BEFORE BEGINNING INSTALLATION.
20. PROVIDE CLEANOUT AS REQUIRED BY PLUMBING CODE, WHETHER SHOWN ON THE DRAWINGS OR NOT.
21. ALL EQUIPMENT SHALL BE LISTED WITH AN APPROVED TESTING AGENCY.
22. ALL WORK IN THE PUBLIC RIGHT OF WAY SHALL BE COMPLETED IN ACCORDANCE WITH CITY STANDARDS & SHALL OBTAIN THE APPROVAL PERMITS FROM THE PUBLIC WORKS DEPARTMENT.
23. CAL GREEN: PLUMBING AND PIPING DESIGN SHALL BE IN ACCORDANCE WITH CAL GREEN STANDARDS AS LISTED BELOW.
    - 5.303.1 BUILDING IS A SINGLE TENANT WITH ONE WATER METER. PROJECT IS IN COMPLIANCE
    - 5.303.2 WATER SAVINGS.
      TOILETS: MAX 1.28 GPF
      URINALS: MAX 0.125 GPF
      LAVATORIES: MAX 0.5 GPM
      METERING FAUCETS: MAX 0.2 GALLONS PER CYCLE. ADJUST TO OPERATE FOR MINIMUM OF 10 SECONDS, AND MAXIMUM OF 20 SECONDS.
    - 5.303.6 PROVIDE PROOF THAT SPECIFIED PLUMBING FIXTURES MEET ASME, US EPA STANDARDS PER TABLE 5.303.6 IN CAL GREEN CODES.

LIST OF GOVERNING CODES

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.
2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

ALL SECTION NUMBERS BELOW REFER TO GROUP 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.

1. ADDENDA, CONSTRUCTION CHANGES PER SECTION 4-338.
2. INSPECTOR APPROVED BY DSA, INSPECTION AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(b) AND 4-342.
3. TESTS AND TESTING LABORATORY PER SECTION 4-335.
4. SPECIAL INSPECTION PER SECTION 4-333(c).
5. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(c).
6. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R. - DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(a) AND 4-341.
7. GOVERNING CODES: TITLE 24.
8. A COPY OF PARTS 1, 2, 3, 4, AND 5 OF TITLE 24 SHALL BE KEPT AVAILABLE IN THE FIELD DURING CONSTRUCTION.
9. DSA SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4-331.
10. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-334.

DSA GENERAL NOTES

1. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
2. THE SEISMIC SUPPORT AND ANCHORAGE OF THE EQUIPMENT DESCRIBED ON THESE DRAWINGS HAVE BEEN ENGINEERED BY THE ENGINEER OF RECORD FOR CONFORMANCE WITH APPROPRIATE BUILDING CODES. THE ENGINEER OF RECORD WAS NOT RESPONSIBLE FOR THE EQUIPMENT DESIGN.
3. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE CRITERIA FROM CHAPTER 16A CALIFORNIA BUILDING CODE (CBC) 2022.
4. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
5. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
6. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. 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 DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING 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 TO 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 THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.5.5, 13.6.5, 13.6.7, AND 13.6.8; AND 2022 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 SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP[X] MD[X] PP[ ] E[ ] - OPTION 1: IR 16-13 SECTION 2.1: PROJECT-SPECIFIC DESIGN.
SHEET NUMBERS: _____

MP[ ] MD[ ] PP[ ] E[ ] - OPTION 2: IR 16-13 SECTION 2.2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.
OPM NUMBERS: _____
SHEET NUMBERS: _____

MP[ ] MD[ ] PP[ ] E[ ] - OPTION 3: IR 16-13 SECTION 2.2.6: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF FINAL BID TO VERIFY ALL EXISTING SITE CONDITIONS WHICH MAY AFFECT THE COMPLETION OF THE INSTALLATION. ALL METHODS AND REQUIREMENTS FOR INSTALLATION SHALL BE DETERMINED PRIOR TO BID DATE. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT REFERENCED ON THESE PLANS PRIOR TO SUBMITTING BID. SUBMITTAL OF THE CONTRACTOR'S BID DEMONSTRATES THE CONTRACTOR'S AWARENESS OF ALL SITE CONDITIONS AND REQUIRED WORK TO BE PERFORMED.
2. CONTRACTOR SHALL INCLUDE AND PROVIDE IN BID ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND OPERATIONAL INSTALLATION OF ALL SYSTEMS.
3. THE DRAWINGS INCLUDED IN THIS SET ARE DIAGRAMMATIC. THEY ARE REPRESENTATIVE OF THE ENGINEER OF RECORD'S DESIGN INTENT FOR ALL EQUIPMENT AND RELATED PIPING ETC. INDIVIDUAL POWER NEEDS, CONTROLS AND OTHER CONNECTIONS SHALL BE COORDINATED AND COMPLETELY PROVIDED FOR COMPLETE SYSTEM OPERATION BY CONTRACTOR.
4. EQUIPMENT/FIXTURE LOCATIONS AND PIPE ROUTING ARE NOT PRECISE AND SHALL BE COORDINATED, VERIFIED, AND DETERMINED IN THE FIELD. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE HEIGHTS. CONTRACTOR SHALL INSTALL ALL EQUIPMENT/FIXTURES AND ROUTE PIPING IN LOCATIONS WHICH MEET CODE REQUIREMENTS FOR ACCESSIBILITY/MOUNTING AND DO NOT INTERFERE WITH ANY BUILDING STRUCTURES, UTILITIES, OR OTHER TRADE EQUIPMENT.
5. (E) PIPING AND ITEMS TO BE REMOVED ARE SHOWN HATCHED. SEE LEGEND. COORDINATE CLOSELY WITH (N) PIPING AND P.O.C.'S SHOWN. ALL OTHER (E) PIPING, ETC. TO REMAIN.
6. UNLESS OTHERWISE NOTED OR REFERENCED ON THE DRAWINGS, EVERYTHING IS NEW.
7. ALL EQUIPMENT, EQUIPMENT CONNECTIONS, PIPING, MOUNTING LOCATIONS ETC. ARE TO BE VERIFIED WITH OWNER'S REPRESENTATIVE AND EQUIPMENT SUPPLIER PRIOR TO BEGINNING OF THE ROUGH-IN.
8. ALL WORK SHALL BE PERFORMED TO STATE, LOCAL, NATIONAL AND DISTRICT STANDARDS AND CODES. COORDINATE SPECIFIC REQUIREMENTS WITH DISTRICT STANDARDS AND AUTHORITY HAVING JURISDICTION.
9. ALL EQUIPMENT SHALL BE NEW AND CLEARLY LABELED AND IDENTIFIED. LABELS SHALL NOT BE COVERED BY OTHER CONSTRUCTION ELEMENTS.
10. UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS, CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WORK FOR A PERIOD OF ONE YEAR.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAW CUTTING, CORE DRILLING, PATCHING, REFINISHING, ETC. AS REQUIRED FOR INSTALLATION OF SYSTEMS. ANY PENETRATIONS OR OPENINGS MADE IN WALLS OR STRUCTURES SHALL BE PATCHED AND/OR SEALED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE WALL OR STRUCTURE.
12. STRUCTURAL WORK: ALL CORE DRILLING, BOLT ANCHOR INSERTION, OR CUTTING OF EXISTING STRUCTURAL CONCRETE SHALL BE APPROVED PRIOR TO EXECUTION OF ANY CONSTRUCTION. AT ALL STRUCTURAL CONCRETE TO BE DRILLED, CUT OR BOLT ANCHORS INSERTED, THE CONTRACTOR SHALL FIND AND MARK ALL REINFORCING IN BOTH FACES LOCATED BY MEANS OF X-RAY, PACH-OMETER, OR PROF-OMETER. SUBMIT SKETCH SHOWING LOCATION OF REBAR AND PROPOSED CUTS, CORES, OR BOLT ANCHOR LOCATIONS FOR APPROVAL.
13. CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT AND SHALL INCLUDE THE PRICE OF INSTALLING ALL CONNECTIONS AS REQUIRED IN THEIR BIDS.
14. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE APPROVAL OF THE ENGINEER OF RECORD , ALL APPROVALS BY THE ENGINEER OF RECORD MUST BE SECURED PRIOR TO COMPLETION OF ANY PURCHASE ORDERS OR ROUGH-IN WORK.
15. THESE DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE TO BE CONSIDERED CONTRACT DOCUMENTS FOR AGENCY REVIEW APROVAL AND CONTRACTOR BIDDING PURPOSES.
16. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS.
17. ANY AND ALL WORK THAT REQUIRES AN INTERRUPTION TO BUILDING SERVICES(S) (ELECTRICAL/ HVAC/ PLUMBING ETC.) MUST BE COORDINATED WITH THE DISTRICT A MINIMUM OF 48 HOURS IN ADVANCE. ANY SERVICE DOWNTIME SHALL NOT OCCUR DURING SCHOOL OPERATION HOURS.
18. IN INSTANCES WHERE A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND INSTALLATION MANUALS FOR THE PROJECT EXISTS, THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT REQUIREMENT.
19. ANY EXISTING BUILDING STRUCTURES OR SURFACES DAMAGED BY DEMOLITION OR DURING INSTALLATION ACTIVITIES SHALL BE REPAIRED, PATCHED, AND/OR REFINISHED TO THE SATISFACTION OF THE OWNER.
20. ALL PIPING, CONDUITS, BOXES, SURFACE MOUNTED RACEWAYS, SUPPORT DEVICES, AND ASSOCIATED FITTINGS SHALL BE MOUNTED IN CONCEALED LOCATIONS ABOVE CEILINGS, DUCTS, TRUSSES, BEAMS, ETC. WHERE WORK HAS TO BE INSTALLED IN EXPOSED LOCATIONS, IT SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES OR PER ARCHITECT'S DIRECTION.
21. CONTRACTOR SHALL PREPARE AND SUBMIT THE CALIFORNIA ENERGY COMMISSION TITLE 24 CERTIFICATE OF ACCEPTANCE FORMS RELATED TO INSTALLED EQUIPMENT AND SYSTEMS.
22. SAFETY: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
23. CONTRACTOR'S EQUIPMENT: COORDINATE WITH OWNER'S REPRESENTATIVE FOR APPROVED LOCATION OF JOB SITE ACCESS, PARKING, AND LOCATION OF CONTRACTOR'S EQUIPMENT AND MATERIAL STORAGE AREA. COORDINATE WITH OWNER FOR LOCATION AND PROCEDURES.
24. ALL BUILDING MATERIALS MUST BE ASBESTOS FREE.
25. CONSTRUCTION SCHEDULING: CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND START OF THE WORK. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING SPACES AND SYSTEMS WHICH ARE IN USE, ADJOINING THE PROJECT, AND NOT PART OF THE PROJECT.
26. TITLE 24 COMPLIANCE: THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (2022 CBC). SHOULD ANY CONDITIONS BE DISCOVERED NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK DOES NOT COMPLY WITH 2022 CBC, A CONSTRUCTION CHANGE DOCUMENT OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK.
27. THESE DOCUMENTS MAKE NO REPRESENTATION AS TO THE EXISTENCE OR LOCATION OF EXISTING HAZARDOUS MATERIALS (INCLUDING ASBESTOS CONTAINING MATERIALS) AT THE SITE. SHOULD CONTRACTOR DISCOVER SUSPECTED HAZARDOUS MATERIALS AT THE SITE HE SHALL IMMEDIATELY BRING IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO STARTING OR CONTINUING WORK INVOLVING THOSE MATERIALS.

DRAWING INDEX

P0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES - PLUMBING
P2.1 FLOOR PLAN - PLUMBING

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CYPRESS Engineering Group

REGISTERED PROFESSIONAL ENGINEER — MATTHEW J. SERTIC — No. M31059 — EXP. JUNE 30, 2027 — MECHANICAL — STATE OF CALIFORNIA

SYMBOL LEGENDS, ABBREVIATIONS, NOTES - PLUMBING

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST, CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

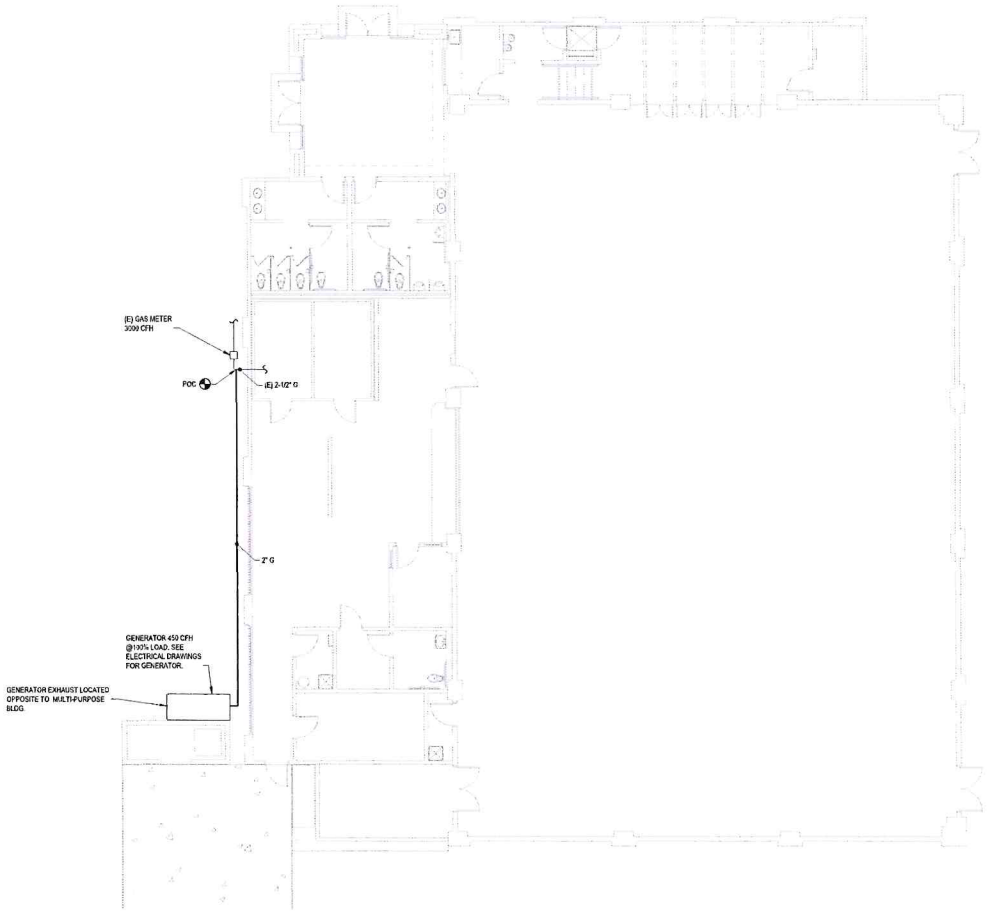
REV	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: MS
JOB: 25050
SHEET: P0.1

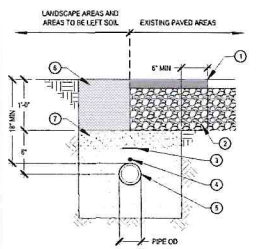
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GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW BUILDING STRUCTURES, SERVICES, AND OWNER'S PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
2. COORDINATE THE LOCATIONS OF ROOF/WALL OPENINGS, PENETRATIONS, DUCTWORK, PIPING, AND ALL MECHANICAL AND PLUMBING EQUIPMENT WITH RESPECT TO BUILDING STRUCTURE AND OTHER BUILDING SERVICES TO AVOID CONFLICT.
3. SEE ARCHITECT'S DRAWINGS FOR PATCHING AND REPAIR OF ROOF, WALL, AND FLOOR PENETRATIONS.
4. INFORMATION SHOWN IS BASED ON AVAILABLE AS-BUILTS AND THE LOCATION OF ALL EQUIPMENT, DUCTS, PENETRATIONS, PIPING, AND OTHER PROJECTIONS SHOWN ON THE PLANS IS APPROXIMATE. NOT ALL EXISTING ITEMS ARE IDENTIFIED OR SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS, INCLUDING ALL RELEVANT DIMENSIONS, EQUIPMENT COUNTS, AND LOCATIONS PRIOR TO SUBMITTING A BID.
5. SEE 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.
6. GAS PIPE ROUTING IS DIAGRAMMATIC. COORDINATE WITH (E) FIELD CONDITIONS. LOCATE AND AVOID EXISTING UNDERGROUND UTILITIES.



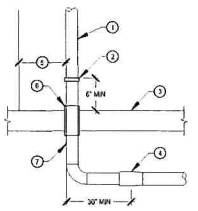
1 / P2.1 NEW FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



1 TRENCH DETAIL N.T.S.

DETAIL NOTES:

1. SAWCUT PAVEMENT EACH SIDE OF TRENCH 6" FROM TRENCH EDGE. REMOVE PAVEMENT AND BASEROCK. REPLACE AND RECOMPACT BASEROCK, TACKCOAT EDGE AND REPAVE.
2. CLASS 2 AGGREGATE BASE ROCK.
3. PLASTIC WARNING TAPE.
4. COPPER TRACER WIRE TAPED ON TOP OF ALL NON-METALLIC PIPE.
5. GAS PIPING. SEE PLANS FOR SIZE.
6. SELECT NATIVE SOILS, 90% COMPACTION FOR AREAS TO BE LEFT IN NATIVE STATE ONLY. CAP AREAS IN UNPAVED ROADWAYS WITH 12" CLASS 2 AGGREGATE BASE, 95% COMPACTION.
7. SELECT SAND BACKFILL AT 95% COMPACTION.



2 GAS RISER N.T.S.

DETAIL NOTES:

1. ABOVE GROUND GALV. STEEL PIPE
2. TRANSITION TO METAL PIPE WITH GAS SEAL
3. GRADE
4. TRANSITION TO PLASTIC PIPE WITH MOISTURE SEAL AND SECONDARY GAS SEAL
5. RISE AS CLOSE TO BUILDING AS POSSIBLE
6. GALVANIZED STEEL OR PVC SLEEVE THROUGH THE CONCRETE SLAB ON GRADE. SLEEVE SIZE TO BE MIN. ONE NOMINAL SIZE LARGER THAN THE GAS PIPE UP TO 1" ANNULAR CLEAR SPACE BETWEEN PIPING AND SLEEVE. EXTEND SLEEVE MIN 3" ABOVE THE FLOOR. FILL THE ANNULAR SPACE WITH EPDM-RUBBER.
7. STEEL PIPE CASING

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CYPRESS
Engineering Group

REGISTERED PROFESSIONAL ENGINEER
MATTHEW SERVIS
No. M21059
EXP. JUNE 30, 2027
CIVIL
STATE OF CALIFORNIA

FLOOR PLAN - PLUMBING

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST., CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: MS
JOB: 25050
SHEET: P2.1

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
3. 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 PROJECT
4. 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.
5. 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-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
6. 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.
7. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
8. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
11. 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
12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
14. CONTRACTOR SHALL PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
15. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION
16. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT 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.
17. WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
18. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
19. 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.
20. 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.
21. 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
22. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY [ARCHITECT] [ELECTRICAL ENGINEER] 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

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

- FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
- EMERGENCY OR NIGHT LIGHT
- STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
- LUMINAIRE - RECESSED - SEE SCHEDULE
- RECESSED WALL WASHER
- LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE
- LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE
- LUMINAIRE - WALL MOUNTED SEE SCHEDULE
- BOLLARD OR PATH LIGHT - SEE SCHEDULE
- EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE
- TRACK LIGHTING - SEE SCHEDULE
- EMERGENCY LIGHT
- DIGITAL DUAL TECHNOLOGY OCC. SENSOR
- LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED
- DIMMER ROOM CONTROLLER
- PLUG LOAD CONTROLLER
- ROOM LIGHTING CONTROLLER
- LIGHTING CONTROL PANEL
- DIGITAL DAYLIGHT SENSOR
- SINGLE POLE SWITCH**
- SINGLE POLE SWITCH, ** a = CIRCUIT CONTROLLED
- THREE WAY SWITCH**
- FOUR WAY SWITCH**
- MANUAL MOTOR STARTER
- KEY OPERATED SWITCH**
- LIGHTING DIMMER**
- DIGITAL ON/OFF SWITCH **
- DIGITAL DIMMER SWITCH **
- DIGITAL MULTI SCENE LIGHTING SWITCH **
- DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **
- WALL OCCUPANCY SENSOR **
- DOUBLE SWITCHED WALL OCCUPANCY SENSOR **
- DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
- 2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
- SECURITY DOOR CONTACTS
- SECURITY MOTION DETECTOR
- CCTV CAMERA
- SECURITY SYSTEM KEYPAD
- DOOR BELL PUSHBUTTON
- DOOR CHIME WITH LED
- RECEPTACLE - DUPLEX *
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- GFCI CONVENIENCE RECEPTACLE - DUPLEX*
- GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- RECEPTACLE DOUBLE DUPLEX *
- HALF SWITCHED DUPLEX RECEPTACLE *
- SINGLE RECEPTACLE*
- DUPLEX RECEPTACLE - CEILING MOUNTED
- LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *
- LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *
- FLOOR MOUNTED DUPLEX RECEPTACLE
- FLOOR MOUNTED BOX
- POWER OUTLET - SEE PLANS FOR NEMA TYPE*
- POWER POLE
- WALL TELEPHONE OUTLET **
- VOICE/DATA WALL OUTLET *
- VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- SURFACE MOUNTED VOICE/DATA WALL OUTLET *
- SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED
- WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT
- VOICE/DATA OUTLET - FLOOR MOUNTED
- TV OUTLET *
- VOICE/DATA OUTLET - CEILING MOUNTED
- INTERIOR SPEAKERS CEILING MOUNTED
- INTERIOR SPEAKERS WALL MOUNTED
- CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION
- PANELBOARD - FLUSH MOUNTED
- EQUIPMENT PANEL - FLUSH MOUNTED
- PANELBOARD - SURFACE MOUNTED
- EQUIPMENT PANEL - SURFACE MOUNTED
- METER W/ CURRENT TRANSFORMER
- JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES
- SURGE PROTECTIVE DEVICE
- MOTOR CONNECTION
- 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
- PULLBOX
- ERMS
- FLEX CONDUIT WITH CONNECTION
- CONDUIT - UP
- CONDUIT - DOWN
- CONDUIT EMERGENCY SYSTEM
- LOW VOLTAGE WIRING
- SURFACE METAL OR NON-METALLIC RACEWAY
- CONDUIT - CONCEALED IN WALLS OR CEILING
- CONDUIT - EXISTING
- CONDUIT - BELOW SLAB OR UNDERGROUND, 3/4"MIN.
- CAPPED OR STUB-OUT CONDUIT
- CONDUIT CONTINUATION
- CONDUIT - HOME RUN 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
- SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET
- DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL
- FXXX FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETAIL
- DETAIL NUMBER / DETAIL OR SECTION REFERENCE SHEET NUMBER
- INDICATES QUANTITY OF TELEPHONE OUTLETS
- INDICATES QUANTITY OF DATA OUTLETS

ABBREVIATIONS

A	AMPERE	GFCI	GROUND FAULT	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	GFI	INTERRUPTING	OAH	OVERALL HEIGHT
ALUM/AL	ALUMINUM	GND, G	GROUND	OC	ON CENTER
ARCH	ARCHITECT	GRS	GALVANIZED RIGID STEEL	OH	OVERHEAD
AWG	AMERICAN WIRE GAUGE	HT	HEIGHT	OFCI	OWNER FURNACED CONTRACTOR INSTALLED
BKR	BREAKER	IC	INTERCOM	PA	PUBLIC ADDRESS
C	CONDUIT	IDF	INTERMEDIATE DISTRIBUTION FRAME	PB	PULL BOX
CATV	CABLE TV			PF	POWER FACTOR
CB	CIRCUIT BREAKER	INCAND	INCANDESCENT	PH	PHASE
CCTV	CLOSED CIRCUIT TV	JB	JUNCTION BOX	PIR	PASSIVE INFRARED
CKT	CIRCUIT	KV	KILOVOLT	PNL	PANEL
CL	CENTER LINE	KVA	KILOVOLT AMPERES	PV	PHOTOVOLTAIC
CLG	CEILING	KW	KILOWATT	PVC	POLYVINYL CHLORIDE
C.O.	CONDUIT ONLY	LCP	LIGHTING CONTROL PANEL	PWR	POWER
CTR	CENTER			(R)	RELOCATE
D	DIMMER	LTG	LIGHTING	(RP)	REMOVABLE POLE
DIM	DIMENSION	LV	LOW VOLTAGE	RECPT'S	RECEPTACLES
DIST	DISTRIBUTION	KCM	THOUSAND CIRCULAR MILS	REQD	REQUIRED
(E)	EXISTING			REQMT'S	REQUIREMENT(S)
EC	ELECTRICAL CONTRACTOR	M.B.	MAIN CIRCUIT BREAKER	SHT	SHEET
(EL)	EVENING LIGHT	MCA	MINIMUM CIRCUIT AMPS	SLD	SINGLE LINE DIAGRAM
EM	EMERGENCY	MDF	MAIN DISTRIBUTION FRAME	STC	SYSTEMS TERMINATION CABINET
EMT	ELECTRICAL METALLIC TUBING	MECH	MECHANICAL	SW	SWITCH
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH	MH	METAL HALIDE	SWBD	SWITCHBOARD
		MLO	MAIN LUGS ONLY	TTB	TELEPHONE TERMINAL BACKBOARD
EQUIP	EQUIPMENT	MPOE	MAIN POINT OF ENTRANCE	TYP	TYPICAL
EV	ELECTRICAL VEHICLE	MTD	MOUNTED	UON	UNLESS OTHERWISE NOTED
FA	FIRE ALARM	MTG	MOUNTING	UG	UNDERGROUND
FACP	FIRE ALARM CONTROL PANEL	MOCP	MAXIMUM OVER CURRENT PROTECTION	V	VOLT
		(N)	NEW	VD	VOLTAGE DROP
FC	FOOT CANDLE	NIC	NOT IN CONTRACT	W	WATT
FIN	FINISH	NIEC	NOT IN ELECTRICAL CONTRACT	W/	WITH
FL	FLOOR			WP	WEATHERPROOF
FLA	FULL LOAD AMPS	(NL)	NIGHT LIGHT	XFMR	TRANSFORMER
FLUOR	FLUORESCENT	NO.	NUMBER		
(F)	FUTURE	NOM	NOMINAL		
GC	GENERAL CONTRACTOR				

★ =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 NUMBER OF CABLE DROPS WHEN MORE THAN (2).

EQUIPMENT ANCHORAGE

M/EP COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1,16 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13 .26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110 / 220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. 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. FLEXIBLE 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.

M/EP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT:

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 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 SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP ☐ MD ☐ PP ☐ E ■ - OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPOD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPOD OPM, DEFERRED SUBMITTAL.

APPLICABLE CODES & STANDARDS

CODES:

1. 2022 CALIFORNIA ADMINISTRATIVE CODE C.A.C., PART 1, TITLE 24, C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
3. 2022 CALIFORNIA RESIDENTIAL CODE C.C.R., TITLE 24, PART 2.5 BASED ON THE 2021 INTERNATIONAL RESIDENTIAL CODE WITH CALIFORNIA AMENDMENTS.
4. 2022 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
5. 2022 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
6. 2022 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
7. 2022 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
8. 2022 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
9. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
10. 2022 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
11. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
12. NATIONAL FIRE ALARM CODE (NFPA 72) 2022.

STANDARDS:

1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
3. 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 (CALOSHA)

SHEET INDEX

E001	SYMBOLS, ABBREVIATIONS, GENERAL CONSTRUCTION NOTES, EQUIPMENT ANCHORAGE NOTES, CODES & SHEET INDEX.
E101	ELECTRICAL SINGLE LINE DIAGRAM & PANELBOARD SCHEDULE.
E201	ELECTRICAL SITE PLAN.
E401	POWER & SYSTEMS PLAN.
E601	ELECTRICAL DETAILS.
E701	ELECTRICAL SPECIFICATIONS.

Peartree+Bell ARCHITECTS
235 MONTEREY ST., SUITE B
SALINAS, CA 93901
(831) 424-4620
PEARTREEBELL1.COM

LICENSED ARCHITECT — C-30852 — Exp. 12/31/25 — STATE OF CALIFORNIA

SYMBOLS, ABBREVIATIONS, GENERAL CONSTRUCTION NOTES, CODES & SHEET INDEX

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST., CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET: E001

PANELBOARD SCHEDULES

Voltage:	120/208V 3ø			[1] [2] PANEL FE						Bussing:	125A		
Wire:	4W									Feed:	TOP		
Type:	NEMA 1									Mounting:	SURFACE		
Mains:	100/3 M.B.									A.I.C.	22,000		
Load	A	B	C	Ckt	Adv	Ckt	Ckt	A	B	C	Load		
BATTERY CHARGER	1800			2	1	2		1920					
JACKET WATER		1800		3	1	4	2		1920		FREEZER CONDENSER		
FREEZER LIGHTS			500	5	1	6	3			1920			
REFRIGERATOR LIGHTS	500			7	1	8		1920					
REFRIGERATOR EVAP		1800		9	1	10	4		1920		REFRIGERATOR CONDENSER		
SPARE				11	1	12				1920			
SPARE				13	1	14	5	2496			FREEZER EVAP		
SPARE				15	1	16			2496				
SPARE				17	1	18	6				SPARE		
SPACE ONLY				-	1	20	-				SPACE ONLY		
SPACE ONLY				-	1	22	-				SPACE ONLY		
SPACE ONLY				-	1	24	-				SPACE ONLY		
	2300	3600	500					4316	6316	3840			

[1] SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.
[2] LABEL PANEL F OR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110.24.

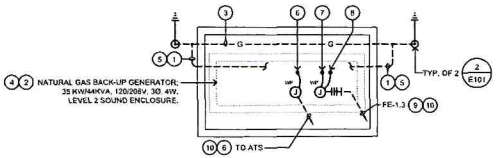
KVA Phase A	8.6
KVA Phase B	9.5
KVA Phase C	4.3
Total Connected Load KVA	22.5
Total Load Amperes	64

3 STAND-BY GENERATOR ELECTRICAL DETAIL

NO SCALE

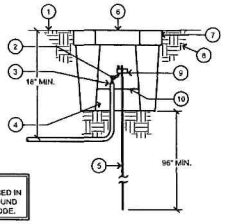
DETAIL NOTES:

1. GROUND FRAMING OF GENERATOR, DO NOT GROUND GENERATOR NEUTRAL, SEE 1/E1.1.
2. BACK-UP POWER GENERATOR SHALL BE FURNISHED WITH FUEL ALARM (LOW LEVEL/LEAK DETECTION).
3. PROVIDE #2 AWG BARE COPPER GROUND CONDUCTOR BURIED 18" BELOW FINISHED GRADE MINIMUM. INSTALL GROUND GRID 2'-0" FROM THE EDGE OF THE GENERATOR PAD.
4. GENERATOR SHALL BE PROVIDED WITH TYPE NEMA 3R AND SOUND ATTENUATED ENCLOSURE (70 dba @ 7 METERS).
5. PROVIDE #2 AWG BARE COPPER SERVICE GROUND CONDUCTOR AND CONNECT GENERATOR CASING TO THE GROUND GRID.
6. PROVIDE & INSTALL (1) CIRCUIT FOR ENGINE START.
7. POWER CONNECTION TO THE BATTERY CHARGER; 20A, 120V.
8. POWER CONNECTION TO THE JACKET WATER HEATER 1800W, 120V.
9. FOR BATTERY CHARGER AND JACKET WATER HEATER.
10. SEE 1/E101 FOR CIRCUIT CONDUIT/WIRE SIZES TO PANEL "FE", CONTRACTOR SHALL HOMERUN CONDUITS TO INTERIOR OF BUILDING. PAINT MATCH EXPOSED CONDUITS AND BOXES. INSTALL A MINIMUM OF (2) NEMA 3R 6" SQ x 4" DEEP FOR ROUTING OF CONDUITS.



2 GROUND ROD BOX DETAIL

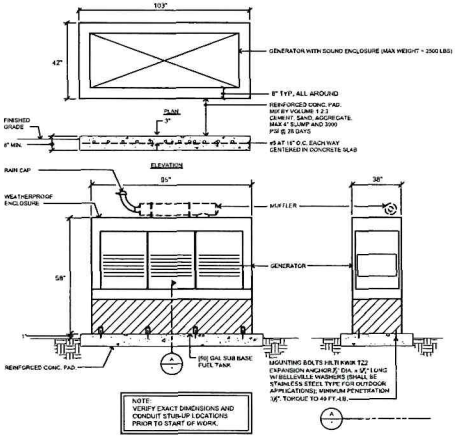
NO SCALE



GENERAL NOTE:
WHERE METAL CONDUIT USED IN LIEU OF PVC, PROVIDE GROUND BUSHINGS & BONDS PER CODE.

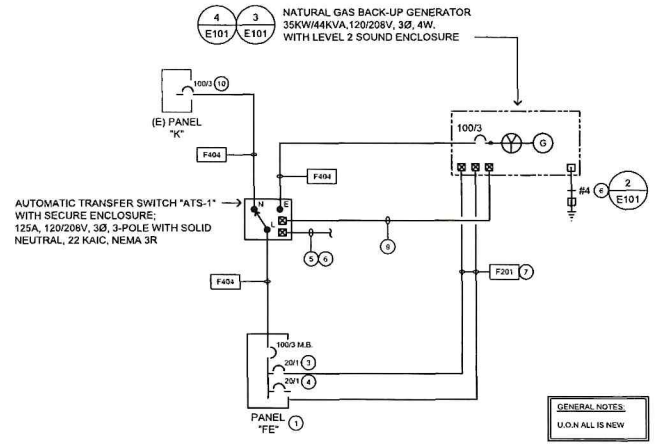
DETAIL NOTES:

1. FINISHED GRADE.
2. GROUND CONDUCTOR.
3. SEAL CONDUIT WATERTIGHT.
4. GROUT BOTTOM MINIMUM 3".
5. ¾" x 10'-0" COPPER CLAD GROUND ROD.
6. LID LABELED "GROUND ROD".
7. CHRISTY "F8" GROUND ROD BOX.
8. UNDISTURBED EARTH.
9. GROUND CLAMP.
10. COAT ALL INSIDE SURFACES WITH SEALANT.



4 GENERATOR MOUNTING DETAIL

NO SCALE



GENERAL NOTES:
U.O.N ALL IS NEW

DETAIL NOTES:

1. PROVIDE & INSTALL A RED LAMICOID SIGN WITH WHITE LETTERS READING "PANEL IS FED FROM AN ALTERNATE POWER SOURCE".
2. PROVIDE & INSTALL NEW GROUND CONNECTION TO NEW GROUND ROD.
3. FOR WATER JACKET HEATER; 120V.
4. FOR BATTERY CHARGER; 120V.
5. PROVIDE & INSTALL 1"C. WITH CABLES TO ANNUNCIATOR PANEL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. LOCATE ANNUNCIATOR PER DISTRICT DIRECTION.
7. BOTH CIRCUITS MAY BE INSTALLED IN (1) 1"C SHARED.
8. CONTRACTOR SHALL BOND GENERATOR FRAME TO GROUND. DO NOT BOND GENERATOR NEUTRAL.
9. FOR ENGINE START TO AUTOMATIC TRANSFER SWITCH. INSTALL 1" CONDUIT AND CABLES.
10. PROVIDE AND INSTALL NEW BREAKER AND ALL NECESSARY MOUNTING HARDWARE; NEW BREAKER SHALL MATCH EXISTING IN TYPE AND RATING.

FEEDER SCHEDULE

DESIGNATION	AMPACITY	CONDUIT & CONDUCTORS SIZES
F201	20	3/4" C., 2 #12 & 1 #12 GND.
F404	100	1 1/2" C., 4 #2 & 1 #8 GND.

SINGLE LINE DIAGRAM LEGEND

———	(EXISTING)
———	(NEW)
———	(N) FLOOR/PAD MOUNTED EQUIPMENT

1 ELECTRICAL SINGLE LINE DIAGRAM

NO SCALE

Peartree+Bell
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235 MONTEREY ST., SUITE B
SALINAS, CA 93901
(831) 424-4620
PEARTREEBELL.COM

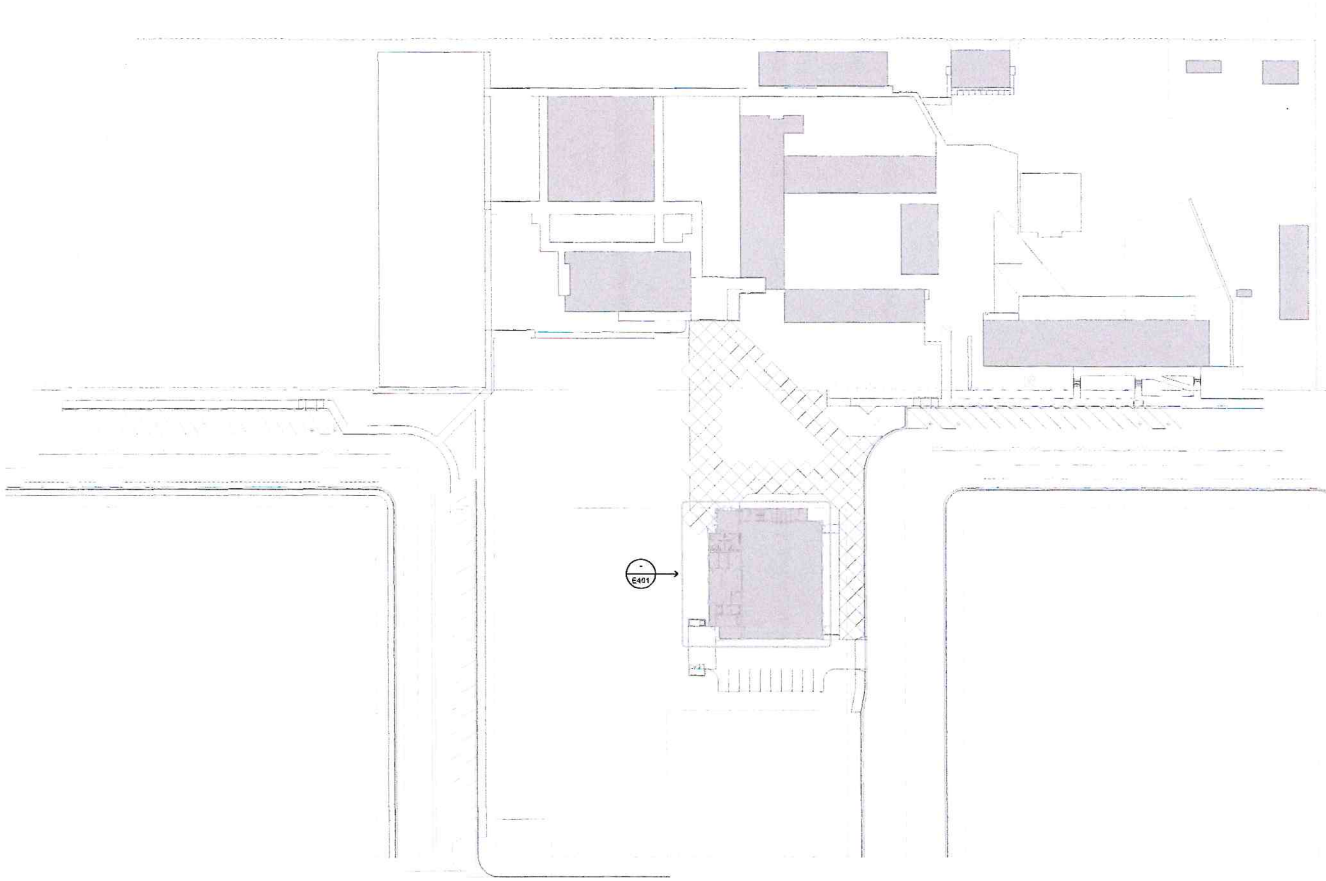
LICENSED ARCHITECT
PAUL PEARTREE
C-20852
Exp. 12/31/25
STATE OF CALIFORNIA

REVIEWED FOR CODE COMPLIANCE
DSA
DIVISION OF THE STATE ARCHITECT

ELECTRICAL SINGLE LINE DIAGRAM
BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST. CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET
E101



SCALE: 1"=50'-0"

NORTH

Peartree+Belli
ARCHITECTS
235 MONTEREY ST., SUITE B
SALINAS, CA 93901
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PEARTREEBELLI.COM

LICENSED ARCHITECT
KEITH ADEL PEARTREE
C-30852
Exp. 12/31/25
STATE OF CALIFORNIA

FOR PLAN REVIEW SET

ELECTRICAL SITE PLAN

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST. CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION
	-	-
	-	-
	-	-

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET: E201

GENERAL NOTES:

A. 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 DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.

B. CONTRACTOR SHALL LOCATE ALL (E) UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #8 GND.

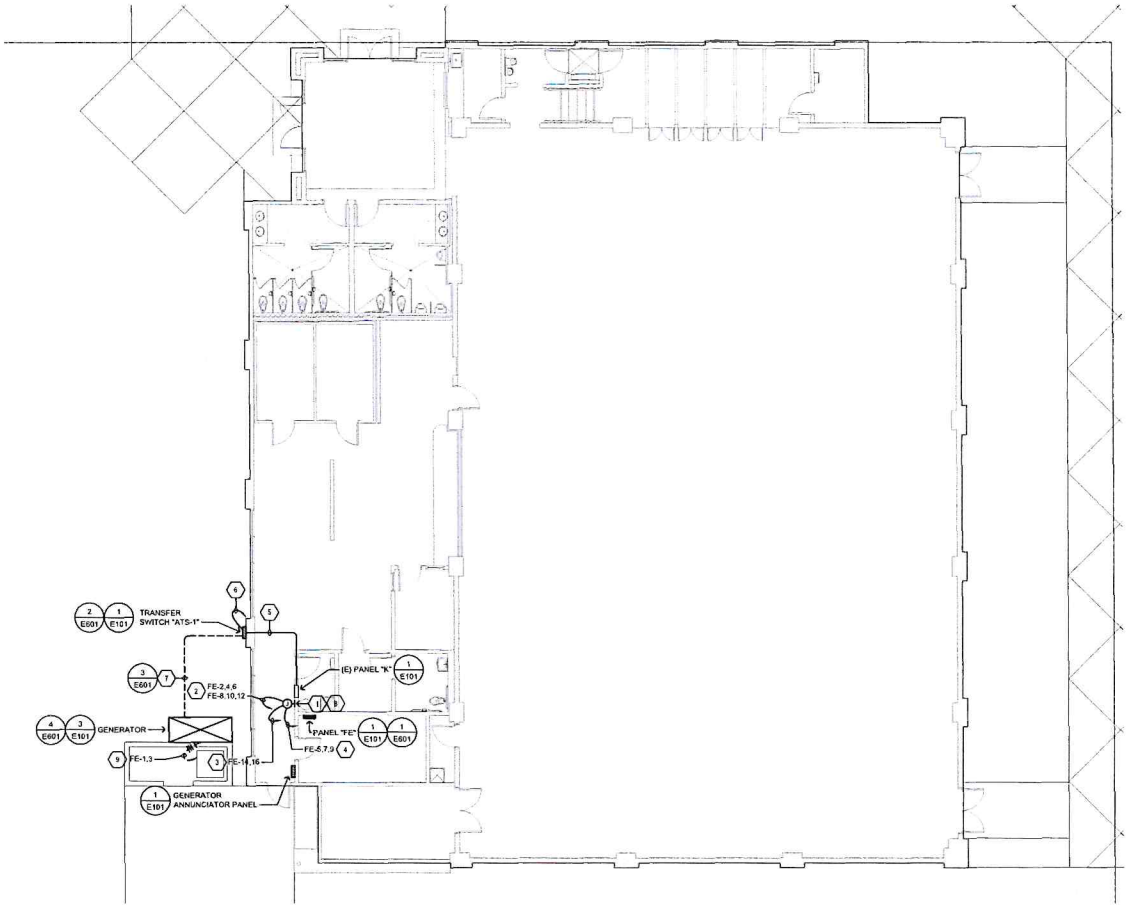
NOTE:

A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B)

SHEET NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL 8" SQ x 4" DEEP ABOVE PANEL FOR INTERCEPT OF (E) FREEZER & COOLER CIRCUITS.
2. PROVIDE AND INSTALL ¾" C., 6 #10 & 2 #10 GND FOR FREEZER AND REFRIGERATOR CONDENSERS.
3. PROVIDE AND INSTALL ½" C., 2 #10 & 1 #10 GND FOR FREEZER EVAP.
4. PROVIDE AND INSTALL ¾" C., 6 #10 & 3 #10 GND FOR REFRIGERATOR EVAP, REFRIGERATOR LIGHTS AND FREEZER LIGHTS.
5. PROVIDE AND INSTALL FEEDERS FROM (E) PANEL "K" TO TRANSFER SWITCH "ATS-1". FOR FEEDER SIZE AND REQUIREMENTS SEE 1/E101.
6. PROVIDE AND INSTALL FEEDERS FROM TRANSFER SWITCH "ATS-1" TO NEW PANEL "FE". FOR FEEDER SIZE AND REQUIREMENTS SEE 1/E101.
7. PROVIDE AND INSTALL FEEDERS FROM NEW GENERATOR TO TRANSFER SWITCH "ATS-1". FOR FEEDER SIZE AND REQUIREMENTS SEE 1/E101.
8. SPLICE AND INTERCEPT (E) FREEZER & REFRIGERATOR CIRCUITS AT (E) PANEL K.
9. PROVIDE & INSTALL FEEDERS FOR WATER JACKET HEATER & BATTERY CHARGER FROM GENERATOR TO DISTRIBUTION PANEL "FE". FOR FEEDER SIZE AND REQUIREMENTS SEE 1/E1.1.



SCALE: 1/8"=1'-0"

NORTH

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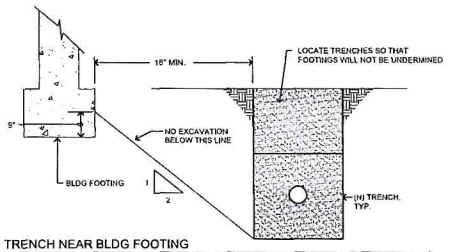
LICENSED ARCHITECT
PETER BELLI, PEARTREE
C-30852
Exp. 12/31/25
STATE OF CALIFORNIA

POWER & SYSTEMS PLAN

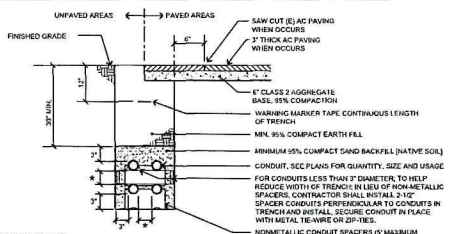
BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24265 LINCOLN ST. CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET: E401



TRENCH NEAR BLDG FOOTING



★ = REQUIRED SEPARATION SHALL BE 12" MINIMUM BETWEEN LOW VOLTAGE & LINE VOLTAGE CONDUITS LIKE SYSTEMS REQUIRE 3" SEPARATION

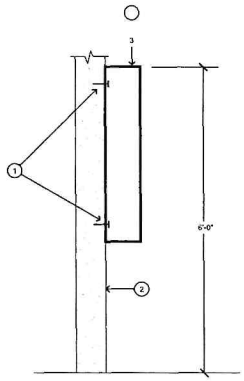
NOTES FOR CLEARANCES:

1. THE MINIMUM RECOMMENDED SEPARATIONS BETWEEN TELECOMMUNICATIONS CONDUIT SYSTEMS AND OUTSIDE SURFACES OF FOREIGN STRUCTURES VARY IN ACCORDANCE WITH REGIONAL STANDARDS, CODES, AND REGULATIONS:
   a. 6" MIN. WHEN CROSSING PIPES (E.G., GAS, WATER, OIL)
   b. 12" MIN. WHEN PARALLEL TO PIPES (E.G., GAS, WATER, OIL)
   c. 3" MIN. CONCRETE FOREIGN CONDUIT (POWER OR OTHER)
   d. 4" MIN. MASONRY (POWER OR OTHER)
   e. 12" MIN. OF WELL-TAMPED EARTH (POWER OR OTHER)
2. THE TOP OF CONDUIT SHOULD BE LOCATED AT A SUFFICIENT DEPTH (NORMALLY 24"-30") BELOW SURFACE GRADE SO BOTH LIVE OR DYNAMIC AND DEAD (STATIC) OR EARTH LOADS CAN BE SUSTAINED BY THE CONDUIT STRUCTURE.

NOTES:

1. SAW CUT, TRENCH & BACKFILL FOR NEW CONDUITS. PATCH WALKWAY TO MATCH (E) SURROUNDING SURFACES. CARE SHALL BE TAKEN TO PROTECT EXISTING TREES, RESEED OR RESOD (E) DISTURBED PLANTED AREAS TO ARCHITECT'S SATISFACTION.
2. BASE MATERIAL TO BE REPLACED TO THE DEPTH OF EXISTING BASE AND COMPACTED TO A MIN. 95% RELATIVE COMPACTION. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL. WHEN USED AS BACKFILL, CLASS 100-E-100 P.C.C. MAY BE SUBSTITUTED FOR BASE MATERIAL.

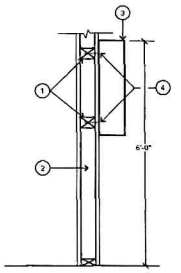
3 TYPICAL TRENCH SECTION
NO SCALE



DETAIL NOTES:

1. ½" DIA. HILTI KWIK-BOLT 3 (ICC ESR-1385 TYP. OF 4). MINIMUM 3½" EMBEDMENT. TEST IN TENSION 1500 LBS.
2. EXISTING CONCRETE WALL.
3. ELECTRICAL PANEL (WEIGHT 480 LBS MAX).

2 SURFACE MOUNTED PANEL DETAIL
NO SCALE



DETAIL NOTES:

1. 4" x 4" BLOCKING BETWEEN STUDS WITH SIMPSON STRONG-TIE FRAMING CLIP A35, TOP AND BOTTOM EACH END
2. WALL STUDS
3. PANEL
4. ¾" DIA. LAG SCREW INTO BLOCKING MIN. 2½" PENETRATION; PER-DRILL TO AVOID SPLITTING. TYP. (4) PER PANEL AT CORNERS

1 SURFACE MOUNTED PANEL DETAIL
NO SCALE

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LICENSED ARCHITECT
MATTHEW L. PEARTREE
C-30852
EXP. 12/31/25
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

ELECTRICAL DETAILS
BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST. CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET: E601

SECTION 26 05 73

GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.01 Description of Work:

A. Furnish and install all required in-place equipment, conduits, conductors, cables and any miscellaneous materials for the satisfactory interconnection and operation of all associated electrical systems.

1.02 Submittals:

A. As specified in Division 1. Submit to the Facilities Manager & Architect shop drawings, manufacturer's data and certificates for equipment, materials and finish, and pertinent details for each system specified. Information to be submitted includes manufacturer's descriptive literature of cataloged products, equipment, drawings, diagrams, performance and characteristic curves as applicable, test data and catalog cuts. Obtain written approval before procurement, fabrication, or delivery of the items to the job site.
B. Proposed substitutions of products will not be reviewed or approved prior to awarding of the Contract.
C. Substitutions shall be proven to the Facilities Manager & Architect to be equal or superior to the specified product. Facilities Manager & Architect's decision is final. The Contractor shall pay all costs incurred by the Facilities Manager & Architect in reviewing and processing any proposed substitutions whether or not a proposed substitution is accepted.
D. If a proposed substitution is rejected, the contractor shall furnish the specified product at no increase in contract price.
E. If a proposed substitution is accepted, the contractor shall be completely responsible for all dimensional changes, electrical changes, or changes to other work which are a result of the substitution. The accepted substitution shall be made at no additional cost to the owner or design consultants.

1.03 Quality Assurance:

A. Codes: All electrical equipment and materials, including installation and testing, shall conform to the latest editions of the following applicable codes:
   1. California Electrical Code (CEC).
   2. Occupational Safety and Health Act (OSHA) standards.
   3. All applicable local codes, rules and regulations.
   4. Electrical Contractor shall posses a C-10 and D-21 license and all other licenses as may be required. Licenses shall be in effect at start of this contract and be maintained throughout the duration of this contract.
B. Variances: In instances where two or more codes are at variance, the most restrictive requirement shall apply.
C. Standards: Equipment shall conform to applicable standards of American National Standards Institute (ANSI), Electronics Industries Association (EIA), Institute of Electrical and Electronics Engineers (IEEE), and National Electrical Manufacturers Association (NEMA).
D. Underwriter Laboratories (UL) listing is required for all equipment and materials where such listing is offered by the Underwriters Laboratories. Provide service entrance labels for all equipment required by the NEC to have such labels.
E. The electrical contractor shall guarantee all work and materials installed under this contract for a period of one (1) year from date of acceptance by owner.
F. All work and materials covered by this specification shall be subject to inspection at any and all times by representatives of the owner. Work shall not be closed in or covered before inspection and approval by the owner or his representative. Any material found not conforming with these specifications shall, within 3 days after being notified by the owner, be removed from premises; if said material has been installed, entire expense of removing and replacing same, including any cutting and patching that may be necessary, shall be borne by the contractor.

1.04 Contract Documents:

A. Drawings: The Electrical Drawings shall govern the general layout of the completed construction.
   1. Locations of equipment, panels, pullboxes, conduits, stub-ups, ground connections are approximate unless dimensioned, verify locations with the Facilities Manager & Architect prior to installation.
   2. The general arrangement and location of existing conduits, piping, apparatus, etc., is approximate. The drawings and specifications are for the assistance and guidance of the contractor, exact locations, distances and elevations are governed by actual field conditions. Accuracy of data given herein and on the drawings is not guaranteed. Minor changes may be necessary to accommodate work. The contractor is responsible for verifying existing conditions. Should it be necessary to deviate from the design due to interference with existing conditions or work in progress, claims for additional compensation shall be limited to those for work required by unforeseen conditions as determined by the Facilities Manager & Architect.
   3. All drawings and divisions of these specifications shall be considered as whole. The contractor shall report any apparent discrepancies to the Facilities Manager & Architect prior to submitting bids.
   4. The contractor shall be held responsible to have examined the site and compared it with the specifications and plans and to have satisfied himself as to the conditions under which the work is to be performed. He shall be held responsible for knowledge of all existing conditions whether or not accurately described. No subsequent allowance shall be made for any extra expense due to failure to make such examination.

1.05 Closeout Submittals:

A. Manuals: Furnish manuals for equipment where manuals are specified in the equipment specifications or are specified in Division 1.

1.06 Coordination:

A. Coordinate the electrical work with the other trades, code authorities, utilities and the Facilities Manager & Architect.
B. Contractor shall pay all inspection and other applicable fees and procure all permits necessary for the completion of this work.
C. Where connections must be made to existing installations, properly schedule all the required work, including the power shutdown periods.
D. When two trades join together in an area, make certain that no electrical work is omitted.

1.07 Job Conditions:

A. Operations: Perform all work in compliance with Division 1
   1. Keep the number and duration of power shutdown periods to a minimum.
   2. Show all proposed shutdowns and their expected duration on the construction schedule. Schedule and carry out shutdowns so as to cause the least disruption to operation of the Owner's facilities.
   3. Carry out shutdown only after the schedule has been approved, in writing, by the owner. Submit power interruption schedule 15 days prior to date of interruption.
B. Construction Power: Unless otherwise noted in Division 1 of these specifications, contractor shall make all arrangements and provide all necessary facilities for temporary construction power from the owner's on site source. Energy costs shall be paid for by the Owner.

1.08 Safety and Indemnity:

A. The Contractor is solely and completely responsible for conditions of the job site including safety of all persons and property during performance of the work. This requirement will apply continually and not be limited to normal working hours. The contractor shall provide and maintain throughout the work site proper safeguards including, but not limited to, enclosures, barriers, warning signs, lights, etc. to prevent accidental injury to people or damage to property.
B. The Contractor performing work under this Division of the Specifications shall hold harmless, indemnify, and defend the Owner, the Engineer, their consultants, and each of their officers, agents and employees from any and all liability claims, losses, or damage arising out of or alleged to arise from bodily injury, sickness, or death of a person or persons and for all damages arising out of injury to or destruction of property arising directly or indirectly out of or in connection with the performance of the work under this Division of the Specifications, and from the Contractor's negligence in the performance of the work described in the construction contract documents, but not including liability that may be due to the sole negligence of the Owner, the Engineer, their Consultants or their officers, agents and employees.
C. If a work area is encountered that contains hazardous materials, the contractor is advised to coordinate with the owner and it's abatement consultant for abatement of hazardous material by the Owner's Representative. "Hazardous materials" means any toxic substance regulated or controlled by OSHA, EPA, State of California or local rules, regulations and laws. Nothing herein shall be construed to create a liability for Aurum Consulting Engineers regarding hazardous materials abatement measures, or discovery of hazardous materials.

1.09 Access Doors:

A. The contractor shall install access panels as required where floors, walls or ceilings must be penetrated for access to electrical, control, fire alarm or other specified electrical devices. The minimum size panel shall be 14" x 14" in usable opening. Where access by a service person is required, minimum usable opening shall be 18" x 24".

1.10 Arc Flash:

A. The contractor shall install a clearly visible arc flash warning to the inside door of all panelboards and industrial control panels, as well as to the front of all switchboards and motor control centers that are a part of this project.
B. The warning shall have the following wording: line 1 "WARNING" (in large letters), line 2 "Potential Arc Flash Hazard" (in medium letters), line 3 & 4 "Appropriate Personal Protective Equipment and Tools required when working on this equipment".

1.11 All boxes and enclosures for emergency circuits shall be permanently marked with a readily visible red spray painted mark.

PART 2 - PRODUCTS

2.01 Nameplates:

A. Identify each piece of equipment and related controls with a rigid laminated engraved plastic nameplate. Unless otherwise noted, nameplates shall be melamine plastic 0.125 inch thick, white with black center core. Surface shall be matte finish. Corners shall be square. Accurately align lettering and engrave into the core. Minimum size of nameplates shall be 0.5 by 2.5 inches unless otherwise noted. Where not otherwise specified, lettering shall be a minimum of 0.25 inch high normal block style. Engrave nameplates with the inscriptions indicated on the Drawings and, if not so indicated, with the equipment name. Securely fasten nameplates in place using two stainless steel or brass screws.

2.02 Finish requirements:

A. Equipment: Refer to each electrical equipment section of these Specifications for painting requirements of equipment enclosures. Repair any final paint finish which has been damaged or is otherwise unsatisfactory, to the satisfaction of the Facilities Manager.
B. Wiring System: In finished areas, paint all exposed conduits, boxes and fittings to match the color of the surface to which they are affixed.

PART 3 - EXECUTION

3.01 Workmanship

A. All electrical equipment and materials shall be installed in a neat and workmanship manner in accordance with the "NECA-1 Standard Practices For Good Workmanship in Electrical Contracting". Workmanship of the entire job shall be first class in every respect.

3.02 Equipment Installations:

A. Provide the required inserts, bolts and anchors, and securely attach all equipment and materials to their supports.
B. Do all the cutting and patching necessary for the proper installation work and repair any damage done.
C. Earthquake restraints: all electrical equipment, including conduits over 2 inches in diameter, shall be braced or anchored to resist a horizontal force acting in any direction as per CBC Section 1616A Title 24, part 2 and ASCE7-10, section 13.5 and 13.6 and table 13.6-1.
D. Structural work: All core drilling, bolt anchor insertion, or cutting of existing structural concrete shall be approved by a California registered structural consulting engineer prior to the execution of any construction. At all floor slabs and structural concrete walls to be drilled, cut or bolt anchors inserted, the contractor shall find and mark all reinforcing in both faces located by means of x-ray, pach-ometer, or prof-ometer. Submit sketch showing location of rebar and proposed cuts, cores, or bolt anchor locations for approval.

3.03 Field Test:

A. Perform equipment field tests and adjustments. Properly calibrate, adjust and operationally check all circuits and components, and demonstrate as ready for service.
B. Operational Tests: Operationally test all circuits to demonstrate that the circuits and equipment have been properly installed and adjusted and are ready for full-time service. Demonstrate the proper functioning of circuits in all modes of operation, including alarm conditions.

3.04 Records:

A. Maintain one copy of the contract Drawing Sheets on the site of the work for recording the "as built" condition. After completion of the work, the Contractor shall carefully mark the work as actually constructed, revising, deleting and adding to the Drawing Sheets as required. As built Drawings shall be delivered to the Architect within ten (10) days of completion of construction.

3.05 Clean Up:

A. Upon completion of electrical work, remove all surplus materials, rubbish, and debris that accumulated during the construction work. Leave the entire area neat, clean, and acceptable to the Facilities Manager & Architect.

3.06 Mechanical and Plumbing Electrical Work

A. The requirements for electrical power and/or devices for all mechanical and plumbing equipment supplied and/or installed under this contract shall be coordinated and verified with the following:
   1. Mechanical and Plumbing Drawings.
   2. Mechanical and Plumbing sections of these Specifications.
   3. Manufacturers of the Mechanical and Plumbing equipment supplied.
B. The coordination and verification shall include the voltage, ampacity, phase, location and type of disconnect, control, and connection required. Any changes that are required as a result of this coordination and verification shall be a part of this Contract.
C. The Electrical Contractor shall furnish and install the following for all mechanical and plumbing equipment:
   1. Line voltage conduit and wiring.
   2. Disconnect switches.
   3. Manual line motor starters.
D. All low voltage control wiring for Mechanical and Plumbing equipment shall be installed in conduit. Furnishing, installation and connection of all low voltage conduit, boxes, wiring and controls shall be by the Mechanical and/or Plumbing Contractor.
E. Manual motor starters, where required, shall have toggle type operators with pilot light and melting alloy type overload relays, SQUARE D COMPANY, Class 2510, Type FG-1P (surface) or Type FS-1P (flush) or ITE, WESTINGHOUSE or GENERAL ELECTRIC equal.

SECTION 26 05 26

GROUNDING

PART 1 - EXECUTION

1.1 Grounding and Bonding:

A. Grounding and bonding shall be as required by codes and local authorities.
B. All electrical equipment shall be grounded, including, but not limited to, panel boards, terminal cabinets and outlet boxes.
C. The ground pole of receptacles shall be connected to their outlet boxes by means of a copper ground wire connecting to a screw in the back of the box.
D. A green insulated copper ground wire, sized to comply with codes, shall be installed in all conduit runs.
E. All metal parts of pull boxes shall be grounded per code requirements.
F. All ground conductors shall be green insulated copper.

SECTION 26 05 42

CONDUITS, RACEWAYS AND FITTINGS

PART 1 - EXECUTION

1.01 Conduit, Raceway and Fitting Installation:

A. For conduit runs exposed to weather provide rigid metal (GRS).
B. For conduit run underground, in concrete or masonry block wall and under concrete slabs, install minimum ¾" size nonmetallic (PVC) with PVC elbows. Where conduits transition from underground or under slab to above grade install wrapped rigid metal (GRS) elbows and risers.
C. For conduit runs concealed in steel or wood framed walls or in ceiling spaces or exposed in interior spaces above six feet over the finished floor, install EMT.
D. Flexible metal conduit shall be used only for the connection of recessed lighting fixtures and motor connections unless otherwise noted on the Drawings. Liquid-tight steel flexible conduit shall be used for motor connections.
E. The minimum size raceway shall be 1/2-inch unless indicted otherwise on the Drawings.
F. Installation shall comply with the CEC.
G. From pull point to pull point, the sum of the angles of all of the bends and offset shall not exceed 360 degrees.
H. Conduit Supports: Properly support all conduits as required by the NEC. Run all conduits concealed except where otherwise shown on the drawings.
   1. Exposed Conduits: Support exposed conduits within three feet of any equipment or device and at intervals not exceeding NEC requirements; wherever possible, group conduits together and support on common supports. Support exposed conduits fastened to the surface of the concrete structure by one-hole clamps, or with channels. Use conduit spacers with one-hole clamps.
      a. Conduits attached to walls or columns shall be as unobtrusive as possible and shall avoid windows. Run all exposed conduits parallel or at right angles to building lines.
      b. Group exposed conduits together. Arrange such conduits uniformly and neatly.
   2. Support all conduits within three feet of any junction box, coupling, bend or fixture.
   3. Support conduit risers in shafts with Unistrut Superstrut, or approved equal, channels and straps.
I. Moisture Seals: Provide in accordance with NEC paragraphs 230-8 and 300-5(g).
J. Where PVC conduit transitions from underground to above grade, provide rigid steel 90's with risers. Rigid steel shall be half-lap wrapped with 20 mil tape and extend minimum 12" above grade.
K. Provide a nylon pull cord in each empty raceway.
L. Provide galvanized rigid steel factory fittings for galvanized rigid steel conduit.
M. Slope all underground raceways to provide drainage; for example, slope conduit from equipment located inside a building to the pull box or manhole located outside the building.
N. Conduits shall be blown out and swabbed prior to pulling wires.

SECTION 26 05 16

LINE VOLTAGE WIRE AND CABLE

PART 1 - PRODUCTS

1.01 Conductors:

A. Conductors shall be copper, type THHN/THWN MTW oil and gasoline resistant, 90°C, 600 volt rated insulation.
B. Conductors shall be stranded copper.
C. Minimum power and control wire size shall be No. 12 AWG unless otherwise noted.
D. All conductors used on this Project shall be of the same type and conductor material.

1.02 Terminations:

A. Manufacturer - Terminals as manufactured by T&B, Burndy or equal.
B. Wire Terminations - Stranded conductors shall be terminated in clamping type terminations which serve to contain all the strands of the conductor. Curling of a stranded conductor around a screw type terminal is not allowed. For screw type terminations, use a fork type stake-on termination on the stranded conductor. Use only a stake-on tool approved for the fork terminals selected.
C. End Seals - Heat shrink plastic caps of proper size for the wire on which used.

1.03 Tape:

A. Tape used for terminations and cable marking shall be compatible with the insulation and jacket of the cable and shall be of plastic material.

PART 2 - EXECUTION

2.01 Cable Installation:

A. Clean Raceways - Clean all raceways prior to installation of cables as specified in Section 26 05 42 - Conduits Raceway and Fittings.
B. All wiring including low voltage wiring shall be installed in conduit, U.O.N.
C. All feeder conductors shall be continuous from equipment to equipment. Splices in feeders are not permitted unless specifically noted or approved by the Electrical Engineer.
D. All branch circuit wiring shall be run concealed in ceiling spaces, walls, below floors or in crawl spaces unless noted otherwise.

2.02 Cable Terminations and Splices:

A. Splices - UL Listed wirenuts.
B. Terminations - Shall comply with the following:
   1. Make up and form cable and orient terminals to minimize cable strain and stress on device being terminated on.
   2. Burnish oxide from conductor prior to inserting in oxide breaking compound filled terminal.

2.03 Circuit and Conductor Identification:

A. Color Coding - Provide color coding for all circuit conductors. Insulation color shall be white for neutrals and green for grounding conductors. Conductor colors shall be as follows:

VOLTAGE	208/120V
Phase A	Black
Phase B	Red
Phase C	Blue
Neutral	White
Ground	Green

B. Color coding shall be in the conductor insulation for all conductors #10 AWG and smaller; for larger conductors, color shall be either in the insulation or in colored plastic tape applied at every location where the conductor is readily accessible.
C. Circuit Identification - All underground distribution and service circuits shall be provided with plastic identification tags in each secondary box and at each termination. Tags shall identify the source transformer of the circuit and the building number(s) serviced by the circuit.

2.04 Field Tests:

A. All systems shall test free from short circuits and grounds, shall be free from mechanical and electrical defects, and shall show an insulation resistance between phase conductors and ground of not less than the requirements of the CEC. All circuits shall be tested for proper neutral connections.

SECTION 26 05 33

OUTLET, JUNCTION AND PULL BOXES

PART 1 - PRODUCTS

1.01 Outlet boxes, Junction and Pull boxes

A. Standard Outlet Boxes: Galvanized, steel, knock-out type of size and configuration best suited to the application indicated on the Drawings. Minimum box size shall be 4 inches square (octagon for most light fixtures) by 1-1/2 inches deep with mud rings as required. Boxes used with conduit 1" or larger shall be minimum 2" deep.
B. Switch boxes: Minimum box size shall be 4 inches square by 1-1/2 inches deep with mud rings as required. Install multiple switches in standard gang boxes with raised device covers suitable for the application indicated.
C. Conduit bodies: Cadmium plated, cast iron alloy. Conduit bodies with threaded conduit hubs and neoprene gasketed, cast iron covers. Bodies shall be used to facilitate pulling of conductors or to make changes in conduit direction only. Splices are not permitted in conduit bodies. Crouse-Hinds Form 8 Condulets, Appleton Form 35 Unilets or equal.
D. Sheet Metal Boxes: Use standard outlet or concrete ring boxes wherever possible; otherwise use a minimum 16 gauge galvanized sheet metal, NEMA 1 box sized to Code requirements with covers secured by cadmium plated machine screws located six inches on centers. Circle AW Products, Hoffman Engineering Company or equal.
E. Flush Mounted Pull boxes and Junction boxes: Provide overlapping covers with flush head cover retaining screws, prime coated.

PART 2 - EXECUTION

2.01 Outlet Boxes

A. General.
   1. All outlet boxes shall finish flush with building walls, ceilings and floors except in mechanical and electrical rooms above accessible ceiling or where exposed work is called for on the Drawings.
   2. Install raised device covers (plaster rings) on all switch and receptacle outlet boxes installed in masonry or stud walls or in furred, suspended or exposed concrete ceilings. Covers shall be of a depth to suit the wall or ceiling finish.
   3. Leave no unused openings in any box. Install close-up plugs as required to seal openings.
B. Box Layout:
   1. Outlet boxes shall be installed at the locations and elevations shown on the drawings or specified herein. Make adjustments to locations as required by structural conditions and to suit coordination requirements of other trades.
   2. Locate switch outlet boxes on the latch side of doorways.
   3. Outlet boxes shall not be installed back to back nor shall through-wall boxes be permitted. Outlet boxes on opposite sides of a common wall shall be separated horizontally by at least one stud or vertical structural member.
   4. For outlets mounted above counters, benches or backsplashes, coordinate location and mounting heights with built-in units. Adjust mounting height to agree with required location for equipment served.
   5. On fire rated walls, the total face area of the outlet boxes shall not exceed 100 square inches per 100 square feet of wall area.
C. Supports:
   1. Outlet Boxes installed in metal stud walls shall be equipped with brackets designed for attaching directly to the studs or shall be mounted on specified box supports.
   2. Fixture outlet boxes installed in suspended ceiling of gypsum board or lath and plaster construction shall be mounted to 16 gauge metal channel bars attached to main ceiling runners.
   3. Fixture outlet boxes installed in suspended ceilings supporting acoustical tiles or panels shall be supported directly from the structure above where pendant mounted lighting fixture are to be installed on the box.
   4. Fixture Boxes above tile ceilings having exposed suspension systems shall be supported directly from the structure above.
   5. Outlet and / or junction boxes shall not be supported by grid or fixture hanger wires at any locations.

2.02 Junction And Pull Boxes

A. General:
   1. Install junction or pull boxes where required to limit bends in conduit runs to not more than 360 degrees or where pulling tension achieved would exceed the maximum allowable for the cable to be installed. Note that these boxes are not shown on the Drawings.
   2. Locate pull boxes and junction boxes in concealed locations above accessible ceilings or exposed in electrical rooms, utility rooms or storage areas.
   3. Install raised covers (plaster rings) on boxes in stud walls or in furred, suspended or exposed concrete ceilings. Covers shall be of a depth to suit the wall or ceiling finish.
   4. Leave no unused openings in any box. Install close-up plugs as required to seal openings.
   5. Identify circuit numbers and panel on cover of junction box with black marker pen.
B. Box Layouts:
   1. Boxes above hung ceilings having concealed suspension systems shall be located adjacent to openings for removable recessed lighting fixtures.
C. Supports:
   1. Boxes installed in metal stud walls shall be equipped with brackets designed for attaching directly to the studs or shall be mounted on specified box supports.
   2. Boxes installed in suspended ceilings of gypsum board or lath and plaster construction shall be mounted to 16 gauge metal channel bars attached to main ceiling runners.
   3. Boxes installed in suspended ceilings supporting acoustical tiles or panels shall be supported directly from the structure above.
   4. Boxes mounted above suspended acoustical tile ceilings having exposed suspension systems shall be supported directly from the structure above.

SECTION 26 28 16

CIRCUIT BREAKERS

PART 1 - PRODUCTS

1.01 Circuit Breaker: Each circuit breaker shall consist of the following:

A. A molded case breaker with an over center toggle-type mechanism, providing quick-make, quick-break action. Each circuit breaker shall have a permanent trip unit containing individual thermal and magnetic trip elements in each pole. Multipole circuit breakers shall have variable magnetic trip elements which are set by a single adjustment to assure uniform tripping characteristics in each pole. Circuit breakers shall be of the bolt-on type unless otherwise noted.
B. Breaker shall be calibrated for operation in an ambient temperature of 40°C.
C. Each circuit breaker shall have trip indication by handle position and shall be trip-free.
D. Three pole breakers shall be common trip.
E. The circuit breakers shall be constructed to accommodate the supply connection at either end of the circuit breaker. Circuit breaker shall be suitable for mounting and operation in any position.
F. Breakers shall be rated as shown on Drawings.
G. Circuit breaker and/or Fuse circuit breaker combinations for series connected interrupting ratings shall be listed by UL as recognized component combinations for use in the end use equipment in which it is installed. Any series rated combination used shall be marked on the end use equipment per CEC section 110-22.
H. Breakers shall be UL listed. Circuit breakers shall have removable lugs.
I. Lugs shall be UL listed for copper and aluminum conductors.
J. Breakers shall be UL listed for installation of mechanical screw type lugs.
K. Circuit breakers serving HACR rated loads shall be HACR type. Circuit breakers serving other motor loads shall be motor rated.
L. Breakers indicated as "current limiting" (CL), shall be of the non-fused type: Square D I-Limiter, Westinghouse Limit-R, or ITE Sentron only.

SECTION 26 32 13

STANDBY POWER GENERATOR SYSTEM

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

A. The requirements of the General Conditions, Supplementary General Conditions, and Division 1 General Requirements apply to the work of this Section.

1.02 DESCRIPTION OF WORK:

A. Work included in this Section: Emergency Generator and Automatic transfer switch systems.
B. Related work included in other Sections: All other Sections of Division 26.

1.03 SUBMITTALS

A. Engine.
B. Generator.
C. Automatic Transfer Switch.
D. Schematic wiring diagrams.
E. Dimension drawing for actual unit being provided.
F. Remote annunciator panel.
G. Submit heat rate, fuel consumption, and emissions data necessary to apply for and receive Authority to Construct and Permit to Operate from local City/County Unified Air Pollution Control District. Generator must include BACT as determined by local City/County Air Resource District.

1.04 PRODUCT HANDLING:

A. All material shall be carefully boxed, crated, or otherwise protected for shipment.
B. Studs and exposed finished surfaces shall be thoroughly greased before shipment.
C. Inlets and outlets shall be blanked off or plugged with metal caps or covers properly secured before shipment.

1.05 WARRANTY:

A. The complete standby electric power system, including engine-generator set, shall be warranted for a period of five (5) year or fifteen hundred (1500) operating hours, whichever occurs first, from the date of initial start-up. Multiple warranties for individual components (engine, alternator, controls, etc.) will not be acceptable. Satisfactory warranty documents must be provided. In the judgment of the specifying authority, the manufacturer supplying the warranty for the complete system must have necessary financial strength and technical expertise with all components supplied to provide adequate warranty support.
B. The generator set manufacturer and its distributor shall maintain 24-hour parts and service organization. This organization shall be regularly engaged in a maintenance contract program to perform preventive maintenance and service on equipment similar to that specified. A service agreement shall be available and shall include system operation under simulated operating conditions, adjustment to the generator, transfer switch, and switchgear controls as required, and certification in the owner's maintenance log of repairs made and proper functioning of all systems.

PART 2 - PRODUCTS

2.01 EQUIPMENT:

A. The natural gas generator set shall be Generac PSG035 or equal with a K0035124Y21 alternator. It shall provide 35kw, 44kVA when operating at 120/208 volts, 3-Phase, .8 power factor. The generator set shall be capable of this rating while operating in an ambient condition of 85°F (67.2°C) and 500 feet above sea level.
B. The generator set shall be capable of starting motor loads of 200 kVA inrush, with a maximum voltage dip of 35%.
C. Vibration isolators shall be provided between the engine-generator and heavy-duty steel base.
D. The engine - generator shall be enclosed in a weatherproof enclosure

2.02 ENGINE:

A. The 300 cubic-inch-displacement engine shall deliver a minimum of 49 hp at a governed speed of 1800 rpm. The engine shall be equipped with the following:
   1. An isochronous governor capable of +/- 0.5% steady-state frequency regulation.
   2. 12 Volt positive engagement solenoid shift-starting motor.
   3. 37- Ampere minimum automatic battery charging alternator with solid-state voltage regulation.
   4. Positive displacement, full pressure lubrication oil pump, cartridge oil filters, dipstick, and oil drain.
   5. Dry-type replaceable air cleaner elements for normal applications.
B. The naturally aspirated engine shall be fueled with natural vapor and be supplied with a unit-mounted electric solenoid fuel shut-off valve, flexible fuel line, and secondary fuel pressure regulator.
C. The engine shall have a minimum of 6 cylinders, and be liquid-cooled by a unit-mounted radiator, blower fan, water pump, and thermostats. This system shall properly cool the engine with up to 0.5 inches H_2O static pressure on the fan in an ambient temperature up to 122F/50C.

2.03 GENERATOR:

A. The alternator shall be salient-pole, brushless, 12-lead reconnectable, self-ventilated of drip-proof construction with amortisseur rotor windings and skewed stator for smooth voltage waveform. The insulation shall meet the NEMA standard (MG1-22.40 and 16.40) for Class H and be insulated with epoxy varnish to be fungus resistant per MIL I-24092. Temperature rise of the rotor and stator shall be limited to NEMA Class F ratings. The excitation system shall be of brushless construction controlled by a solid-state voltage regulator capable of maintaining voltage within +/- 2% at any constant load from 0% to 100% of rating. The regulator must be isolated to prevent tracking when connected to SCR loads, and provide individual adjustments for voltage range, stability and volts-per-hertz operations and be protected from the environment by conformal coating.
B. The generator set shall meet the transient performance requirements of ISO 8528-5, level G-2.
C. The generator shall be inherently capable of sustaining at least 250% of rated current for at least 10 seconds under a 3-phase symmetrical short circuit without the addition of separate current support devices.
D. The generator, having a single maintenance-free bearing, shall be directly connected to the flywheel housing with a semi-flexible coupling between the rotor and the flywheel.

2.04 CONTROLLER:

A. Set-mounted controller capable of facing right, left, or rear, shall be vibration isolated on the generator enclosure. The controller shall be capable of being remote-mounted. The microprocessor control board shall be moisture proof and capable of operation from -40°C to 85°C. Relays will only be acceptable in high-current circuits.
B. Circuitry shall be of plug-in design for quick replacement. Controller shall be equipped to accept a plug-in device capable of allowing maintenance personnel to test controller performance without operating the engine. The controller shall include the following features:
   1. Fused DC circuit.
   2. Complete 2-wire start/stop control, which shall operate on closure of a remote contact.
   3. Speed sensing and a second independent starter motor disengagement systems shall protect against starter engagement with a moving flywheel. Battery charging alternator voltage will not be acceptable for this purpose.
   4. The starting system shall be designed for restarting in the event of a false engine start, by permitting the engine to completely stop and then reengage the starter.
   5. Cranking cycler with 15-second ON and OFF cranking periods.
   6. Overcrank protection designed to open the cranking circuit after 75 seconds if the engine fails to start.
   7. Circuitry to shut down the engine when signal for high coolant temperature, low oil pressure, or overspeed are received.
   8. Engine cooldown timer factory set at 5 minutes to permit unloaded running of the standby set after transfer of the load to normal.
   9. 3-position (AUTOMATIC-OFF-TEST) selector switch. In the TEST position, the engine shall start and run, regardless of the position of the remote starting contacts. In the Automatic position, the engine shall start when contacts in the remote control circuit close and stop 5 minutes after those contacts open. In the OFF position, the engine shall not start even though the remote start contacts close. This position shall also provide for immediate shutdown in case of an emergency. Reset of any fault shall also be accomplished by putting the switch to the OFF position.
   10. Alarm horn with silencer switch per NFPA 110.
   11. Standard indicating lights to signal the following shall be included
      a. Not-in-Auto (flashing red)
      b. Overcrank (red)
      c. Emergency Stop (red)
      d. High Engine Temperature (red)
      e. Overspeed (red)
      f. Low Oil Pressure (red)
      g. Battery Charger Malfunction (red)
      h. Low Battery Voltage (red)
      i. Low Fuel (red)
      j. Auxiliary Prealarm (yellow)
      k. Auxiliary Fault (red)
      l. System Ready (green)
   1. Test button for indicating lights.
   2. Terminals shall be provided for each indicating light above, plus additional terminals for common fault and common prealarm.

2.05 INSTRUMENT PANEL:

A. The instrument panel shall include the following:
   1. Dual range voltmeter 3 ½-inch, +/- 2% accuracy.
   2. Dual range ammeter 3 ½-inch, +/- 2% accuracy.
   3. Voltmeter-ammeter phase selector switch.
   4. Lights to indicate high or low meter scale.
   5. Direct reading pointer-type frequency meter 3 ½-inch, 0.5% accuracy, 45 to 65 Hz scale.
   6. Panel-illuminating lights.
   7. Battery charging voltmeter.
   8. Coolant temperature gauge.
   9. Oil pressure gauge.
   10. Running-time meter.
   11. Voltage-adjust rheostat.

2.06 ACCESSORIES:

A. Line circuit breakers 400 amperes, 400 amps sensor, 3 poles, 600 volt rated, UL molded case type, generator mounted, UL molded case type, generator mounted.
B. Engine block heater. Thermostatically controlled and sized to maintain manufacturers recommended engine coolant temperature to meet the start-up requirements of NFPA-110, Level 1.
C. A resettable line current sensing circuit breaker with inverse time versus current response shall be furnished which protects the generator from damage due to its own high current capability. This breaker shall not trip within the 10 seconds specified above to allow selective tripping of down-stream fuses or circuit breakers under a fault condition. This breaker shall not automatically reset, preventing restoration of voltage if maintenance is being performed. A field current-sensing breaker will not be acceptable.
D. Weather housings shall be constructed of rugged steel, cleaned, phosphated, and electrocoat painted inside and out with rust inhibiting primer and exterior coat of the manufacturer standard color. Side panels will be lockable and easily removed for servicing.
E. Battery rack, and battery cables, capable of holding the manufacturer's recommended batteries, shall be supplied.
F. 12-volt lead-antimony battery(ies) capable of delivering the manufacturer's recommended minimum cold-cranking Amps required at 0°F, per SAE Standard J-537, shall be supplied.
G. 10-Ampere automatic float and equalize battery charger with +/- 1% constant voltage regulation from no load to full load over +/- 10% AC input line variation, current limited during engine cranking and short circuit conditions, temperature compensated for ambients from -40°C to +60°C, 5% accurate voltmeter and ammeter, fused, reverse polarity and transient protected.
H. The engine exhaust silencer shall be coated to be temperature and rust resistance, rated for critical application. The silencer will reduce total engine exhaust noise by 25-35 dB(A).
I. Gas-proof, seamless, stainless steel, flexible exhaust bellows with threaded NPT connection.
J. Tow flexible fuel lines rated 300°F and 100 psi ending in pipe thread.
K. Engine crankcase emission canister.

2.07 AUTOMATIC TRANSFER SWITCH:

A. The automatic transfer switches shall be 125 amp, 120/208 Volt, 3-pole, 3 phase, 4 wire, NEMA 3R and shall be arranged to close a pilot contact for remote starting of the standby plant three (3) seconds after a drop in voltage on any phase to 90% or less. The load circuits shall not be disconnected from the normal source during three (3) second time delay period When standby generator is delivering not less than 90% of rated voltage and frequency, load circuits shall be transferred. The transfer switch and all accessories shall be U.L. listed.
B. Upon restoration of the normal source to not less than 95% of rated voltage and rated frequency, load circuits shall be transferred to normal source after a 10-30 minute time delay.
C. Inspection and replacement of all main and separate arcing contacts (movable and stationary) shall be possible from the front of the switch without any disassembly of operating linkages or power conductors and without removal of the switch from the enclosure.
D. Normal source and Phase voltage sensor/relays.
E. A complete circuit diagram shall be attached to the inside of the cabinet door.
F. A pilot light on the door of the enclosure to indicate transfer switch position.
G. A key operated test switch on the door of the enclosure shall be provided to simulate a utility outage.
H. Additional accessory features of minor changes as may be indicated on the Drawings.
I. Minimum code compliance clearances about automatic transfer switch shall not be violated.
J. Enclosure shall be weatherproof.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Installation: Emergency electric generating systems, generator set, and all components shall be installed, including all connections, at locations and as indicated on drawings and wiring diagrams as specified herein, and in accordance with approved shop drawings, manufacturer's instructions, and manufacturer's standard specification and dimension sheets. Installing contractor shall have D-21 license.
B. Instructions, Drawings, and Operation Information: Two copies of complete instructions shall be supplied to Owner prior to final acceptance. Material shall be in booklet form and shall consist of operating and maintenance manuals, parts manuals, dimensional drawings, unit wiring diagrams and schematics, interconnection wiring diagrams, and schematics, interconnection wiring diagrams, and necessary information for proper operation, service, and maintenance of the equipment and major components supplied.
C. Owner Orientation: A representative of the supplier shall meet with a representative of the Owner at the time of final acceptance tests and shall review the operation and parts books, correct starting and control methods, and recommended preventive maintenance procedures.
D. Recommended Spare Parts:
   1. Deliver with equipment. Each part to be packaged for shipment and marked for identification. Include part number and equipment identification for which it is intended for.

3.02 FIELD TESTS AFTER INSTALLATION:

A. The complete installation shall be initially started and checked out for operational compliance by factory-trained representative of the manufacturer of the generator set and the automatic transfer switch. The engine lubrication oil and antifreeze, as recommended by the manufacturer for operation under environmental conditions specified, shall be provided by the supplier of the generator set. If transfer switches and generator sets are furnished by different manufacturers, technical representatives of both transfer switch and generator set manufacturers shall be present during the field tests to verify operational compliance.
B. Tests
   1. Fuel, lubricating oil, and antifreeze shall be checked for conformity to the manufacturer's recommendations, under the environmental conditions present and expected.
   2. Accessories that normally function while the set is standing by shall be checked prior to cranking the engine. These shall include: block heaters, battery charger, generator strip heaters, remote annunciator, etc.
   3. Start-up under test mode to check for exhaust leaks, path of exhaust gases outside the building, cooling air flow, movement during starting and stopping, vibration during running, normal and emergency line-to-line voltage and frequency, and phase rotation.
   4. Automatic start-up by means of simulated power outage to test remote-automatic starting, transfer of the load, and automatic shutdown. Prior to this test, all transfer switch timers shall be adjusted for proper system coordination. Engine coolant temperature, oil pressure, and battery charge level along with generator voltage, amperes, and frequency shall be monitored throughout the test. Unit shall run for duration of all time delays prior to automatic shut down.
C. Upon completion of initial start-up and system checkout, the supplier of the generator set shall perform a field test, with the Facilities Manager & Engineer notified in advance, to demonstrate load carrying capability, stability, voltage, and frequency.
D. The generator set shall be run for six hours continuously connected via "Load bank". Records shall be maintained throughout this period to record water, temperature, oil pressure, ambient air temperature, voltage, current, frequency, kilowatts, and power factor. The above data shall be recorded at 15 minute intervals throughout the test. There shall be a 10 minute intervals throughout conclusion of the test to allow engine to cool before shutdown. Three copies of the field test data shall be furnished to the engineer. The Contractor shall make all necessary hook-ups to accomplish field tests and shall furnish all fuel necessary for field test and start up.

3.03 SPECIAL TOOLS

A. Any special tools required for installation, adjustment or maintenance of the equipment shall be furnished with the equipment and their cost included in the price quoted.

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ELECTRICAL SPECIFICATIONS

BACK-UP GENERATOR FOR:
CHUALAR UNION ELEMENTARY SCHOOL
24285 LINCOLN ST, CHUALAR, CA 93925
CHUALAR UNION SCHOOL DISTRICT

REV.	DATE	DESCRIPTION

SCALE: AS NOTED
DRAWN: CADD
JOB: 25050
SHEET: E701