



Bakersfield City School District

Maintenance, Operations and Facilities Department

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September 1, 2023

To: Interested C-10 Contractors
Re: Munsey ES – (10) Temp Classrooms – Electrical, Fire Alarm & Communications (Project #22216.TR-35)

Bid Addendum #1

Clarifications:

1. Refer to Bid Form, **Remove & Replace** Bid Form with attached Addendum #01 Bid Form. Additive Alternate Bid #01 has been added to the Bid Form. *The contractor shall purchase all the electrical equipment only identified with a delta 'EB' in the attached Equipment Bid Package dated 12/5/22, DSA App. #03-122489, noted as EXHIBIT -1 and comprised of the following sheets:*

*E1.00 SITE ELECTRICAL PLAN – DEMOLITION
E1.01 SITE ELECTRICAL PLAN
E1.02 ENLARGED SITE ELECTRICAL PLAN
E4.00 ONE LINE DIAGRAM – DEMO
E4.01 NEW ONE LINE DIAGRAM
E4.02 PANEL SCHEDULES*

All items are to be bid, delivered, and set in place, at F.O.B Bakersfield City School District, 1201 Citation Way, Bakersfield, CA.

2. **Note:** Temp fence and portable restroom facilities to be provided by the District.
3. **Note:** Permanent Fencing enclosures to be by others.
4. **Note:** All concrete equipment pads, min 3,000PSI to be provided and installed by this contractor.
5. **Note:** For any conflicts between single line diagrams and electrical site plans regarding conduits, single line diagram shall dictate.
6. There will be a 3rd party used for compliance and LCPTTracker. Contractor will be required to submit CPR reports and documents.
7. Refer to the Notice to Contractors, **ADD:** The attached State. Bacon Davis Conditions and Bacon Davis Rates based upon the date of 8/11/23 when the project was sent out for bid.
8. Refer to Work Scope Summary, BP-01 Electrical, Fire Alarm & Communications. **ADD** the following work scope note #22. *If necessary, survey to be provided by prime contractor.*

9. Refer to Work Scope Summary, BP-01 Electrical, Fire Alarm & Communications. **ADD** the following work scope note #23. *Prime Contractor to provide District with accurate red-line as-built drawings in pdf format at the completion of work.*
10. Refer to Work Scope Summary, BP-01 Electrical, Fire Alarm & Communications. **ADD** the following work scope note #24. *Prime Contractor to provide electrical and communications rough in for the smart board wall at each temporary classroom per the attached TYP. Standard Teaching Wall Detail and Keynotes. Cut in boxes and flex conduit are acceptable for use. Electrical outlet locations to be completed and terminated by this contractor. Smart board communications cabling to be by others.*
11. Refer to Work Scope Summary, BP-01 Electrical, Fire Alarm & Communications. **ADD** the following work scope note #25. *Provide and allowance of **\$25,000.00** for classroom intercom speakers and associated work not indicated on the drawings, labor to pull District provided fiber to the closest IDF Cabinet, labor to terminate fiber, and for any unforeseen items. This allowance shall be listed in the Schedule of Values and shall be tracked on a Time and Material basis. Profit and overhead on top of this Time and Material work will not be allowed. This allowance amount is to be used as directed by the District and is not to be used to fulfill obligations under this contract. All costs used against this allowance must be agreed to by the District before work is started. All unused portions of this allowance shall be credited back to the owner in the form of a deductive change order at 100% of the remaining value. This allowance shall be included in the base bid.*

Pre-Bid RFI Questions:

1. Has BCSD purchased and have the Electrical Equipment (Distribution Panels / Transformers)? If BCSD has not purchased and has these items on hand, the project durations and schedules will not be remotely possible. The Manufacture Estimated Lead Times for Electrical Equipment (Distribution Panels – 3 to 6 Months) & (Transformers – 1 to 2 Months)

Response: BCSD has not purchased Electrical Equipment Distribution Panels / Transformers. Project completion date will be adjusted once awarded contractor achieves approved equipment submittals. Awarded contractor will be required to provide proof of order and manufacturer written estimated lead times to the District at time of order.

2. Fire Alarm Riser shows a new Notifier #NFS-320 to be installed. Fire Alarm Specification calls out a Hochiki Latitude Main FACP. Please advise which manufacturer is to be used/installed.

Response: JMPE – 8/31/23 – Either Hochiki or Notifier are acceptable.

3. Are the data drops shown on E2.00 for cabling only or are these needing to be roughed in?

Response: JMPE – 8/31/23 – Data drops need to be roughed in.

4. Is the low voltage cabling (excluding fire alarm) to be owner furnished and installed?

Response: Bakersfield City School District – 9/1/23 – District will provide (1) IDF Cabinet for the (10) temp classrooms, 8 CAT6 (Wall Locations) and 2 CAT6A (1 ceiling location for WAP) per room, data jacks, plates, WAPs, and misc. communications materials. Contractor to provide and install sleeves through classrooms, rough in pathways and boxes, labor to install IDF Cabinets labor, electrical dedicated circuit for IDF, labor to pull cabling and terminate for a planned (10) cables per classroom. Exact location of IDF cabinet and data outlets to be determined with District.

5. Please provide Panel Schedules for the Washington, Munsey, Mt. Vernon and Wayside projects.

Response: JMPE – 8/31/23 – Panels are furnished with the modular buildings.

6. Who will be responsible for fencing off work areas?

Response: Bakersfield City School District – 8/31/23 – District will provide temp fencing.

7. Are the data drops shown on E2.00 for cabling only or are these needing to be roughed in?

Response: JMPE – 8/31/23 – Data drops need to be roughed in.

8. Will 95% compaction be required on this project for trenching?

Response: JMPE – 8/31/23 – 95% compaction is required at areas under hardscape. 90% compaction is required at landscape or existing dirt areas.

9. What size is Panel RM?

Response: NO RESPONSE RECEIVED

10. Please provide Panel Schedules for Panels RM & RL

Response: NO RESPONSE RECEIVED

Pre-Bid Substitution Requests:

1. Attached Hochiki Fire Alarm Substitution Listing is acceptable.

DRAWINGS: See the attached Addendum #1 from Integrated Designs, ITEM 1-01, ITEM 1-02 & ITEM 1-03

Please date, sign and return this form via email to Cindi Canfield at canfieldc@bcasd.com

Date Print Name Signature

Print Company Name

Sincerely,

Daniel Wastafarro
Assistant Director II
Maintenance, Operations and Facilities
Bakersfield City School District

03-BID FORM

Name of Bidder:

**Project: MUNSEY E.S. (10) TEMPORARY CLASSROOMS - ELECTRICAL, FIRE
ALARM & COMMUNICATIONS
Project #: 22216.TR-35**

To: BAKERSFIELD CITY SCHOOL DISTRICT, referred to as "OWNER."

A. In compliance with your Notice to Contractors Calling for Bids and related documents, the undersigned bidder, having familiarized itself with the terms of the contract, the local conditions affecting the performance of the contract, the cost of the work at the place where the work is to be done, and the drawings and specifications and other contract documents, proposes and agrees to perform the contract within the time stipulated, including all of its component parts and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all applicable taxes, utility, and transportation services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with the above-referenced project, including sheeting, shoring, and bracing, or equivalent method for protection of life and limb in trenches and open excavation in conformance with applicable safety orders, within the time limits set for completion of all work, all in strict conformity with the drawings and specifications and other contract documents, including Addenda Nos. _____ on file at the office

[list all]

of OWNER for the Base Bid sum of: _____

_____ dollars.

[written in words]

\$ _____

[written in numbers]

B. If any of the following alternate bids are utilized and awarded, the undersigned agrees to make price adjustments, as indicated, to the Base Bid.

1. **ALTERNATE BID 1:** *The contractor shall purchase all the electrical equipment only identified with a delta 'EB' in the attached Equipment Bid Package dated 12/5/22, DSA App. #03-122489, noted as EXHIBIT -1 and comprised of the following sheets:*

E1.00 SITE ELECTRICAL PLAN - DEMOLITION

E1.01 SITE ELECTRICAL PLAN

E1.02 ENLARGED SITE ELECTRICAL PLAN

PARTNERSHIP

Partnership Name: _____

*By: _____, Partner

Print Name: _____

Business Address: _____

Date: _____ Telephone: _____

Names of Other Partners: _____

CORPORATION

Corporation Name: _____, a _____ Corporation.
(State of Incorporation)

Business Address: _____

Date: _____ Telephone: _____

*By: _____ [Required] [Seal]
(President/Chief Executive Officer/Vice President) [Circle One]

Print Name: _____

*By: _____ [Required]
(Secretary/Treasurer/Chief Financial Officer/Assistant Treasurer) [Circle One]

Print Name: _____

JOINT VENTURE

Joint Venturer Name: _____

*Signed by: _____ (Joint Venturer)

Print Name: _____

Business Address: _____

Date: _____ Telephone: _____

Other Parties to Joint Venture: _____

If an individual joint venturer: _____

*By: _____ (Signature)

Print Name: _____

If a DBA joint venturer: _____

*By: _____ (Signature)

Print Name: _____

If a partnership joint venturer:

*By: _____ (Signature)

Print Name: _____

If a Corporation joint venturer: _____

[Seal]

(Name)

a _____ Corporation.

(State of Incorporation)

*By: _____

Print Name: _____

Title: _____

***Important Notice:** Labor Code § 1771.1(a) provides that “A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.” Please go to <http://www.dir.ca.gov/Public-Works/PublicWorks.html> for more information and to register. This project is subject to monitoring by the Department of Industrial Relations.

STATE LABOR, WAGE & HOUR, APPRENTICE, AND RELATED PROVISIONS

A. The project is a public works Project, as defined in Labor Code section 1720, and must be performed in accordance with the requirements of Labor Code sections 1720 to 1815 and Title 8 CCR sections 16000 to 17270, which govern the payment of prevailing wage rates on public works projects.

B. Notice is hereby given pursuant to the provisions of Section 1770 et seq of the California Labor Code, Director of the Department of Industrial Relations determined the general prevailing rate of per diem wages, including those for holiday and overtime work, in the locality in which this work is to be performed for each craft or type of workman or mechanic needed to execute the contract which will be awarded to the successful bidder, and the prevailing rates are as set forth in the web address www.dir.ca.gov/Dirdatabases.html and are incorporated herein by reference.

C. When permitted by law, holiday and overtime work shall be paid at a rate of at least one and one-half times the specified rate of per diem wages, unless otherwise specified.

D. Each worker of the CONTRACTOR and any of its subcontractors engaged in work on the Project shall be paid not less than the prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the CONTRACTOR or any subcontractor and such workers.

E. Each worker needed to execute the Work on the Project shall be paid travel and subsistence payments, as defined in the applicable collective bargaining agreements filed with the Department of Industrial Relations, in accordance with Labor Code Section 1773.1.

F. CONTRACTOR shall post at appropriate and conspicuous location(s) on the Project Site a schedule showing all applicable prevailing wage rates in accordance with Labor Code section 1773.2.

G. As a penalty, the CONTRACTOR and any violating subcontractor under the CONTRACTOR, shall forfeit not more than (\$200) two-hundred dollars for each calendar day, or any portion thereof, any worker is paid less than the established prevailing wage rates for the work or craft in which the worker is employed by CONTRACTOR or any subcontractor on the project. The difference between the established prevailing wage rates and the amount paid to each worker for each whole or partial calendar day for which each worker was paid less than the established prevailing wage rates, shall be paid to each worker by the CONTRACTOR or subcontractor, in accordance with Labor Code Section 1775, and CONTRACTOR and its subcontractors shall comply with Labor Code 1775 in all respects.

H. The subcontracts executed between CONTRACTOR and its subcontractors for the performance of the Work shall include a copy of the provisions of Labor Code Sections 1771, 1775, 1776, 1777.5, 1813, and 1815.

I. Any worker employed to perform work on the Project which is not covered by any classification available in the Agency's office, shall be paid not less than the minimum rate of wages specified for the classification which most nearly corresponds with work to be performed by him and that minimum wage rate shall be retroactive to the time of initial employment of the person in the classification.

J. Pursuant to Labor Code Sections 1773.1, per diem wages are deemed to include employer payments for health and welfare, pension, vacation, travel time and subsistence pay.

K. CONTRACTOR and each subcontractor shall keep or cause to be kept accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by CONTRACTOR and/or each subcontractor in connection with the project. All payroll records shall be made available for inspection as provided by Labor Code Section 1776. The contractor or subcontractor has 10 days in which to comply subsequent to

receipt of a written notice requesting the records. As a penalty, the CONTRACTOR shall forfeit one hundred dollars (\$100) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. These penalties shall be withheld from progress payments then due. Failure to timely submit payroll records may result in debarment by the Labor Commissioner. Be aware, California Labor Code Section 1771.5 requires contract payments to be withheld when payroll records are delinquent or inadequate. It is the responsibility of CONTRACTOR to comply with all the provisions of Labor Code Section 1776.

L. The project is subject to compliance monitoring and enforcement by the DIR pursuant to and will require prime contractors and subcontractors to upload **ALL payroll records on the DIR website: <http://www.dir.ca.gov/PublicWorks/PublicWorks.html>**. Any additional requirements that materialize from this legislation must be complied with.

Apprentices

A. The CONTRACTOR acknowledges and agrees that if this Contract involves a dollar amount greater than or a number of working days greater than that specified in Labor Code Section 1777.5, this Contract is governed by the provisions of Labor Code Section 1777.5. It shall be the responsibility of the CONTRACTOR to ensure compliance with this Section and with the provisions of Labor Code Section 1777.5 for all apprenticing occupations.

B. Apprentices of any crafts or trades may be employed and, when required by Labor Code Section 1777.5, shall be employed provided they are properly registered in full compliance with the provisions of the Labor Code.

C. Every such apprentice shall be paid the standard wage paid to apprentices under the regulations of the craft or trade at which he or she is employed and shall be employed only at the work or the craft or trade to which he or she is registered.

D. Only apprentices, as defined in Labor Code Section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4 commencing with Section 3070 of the Labor Code are eligible to be employed on public works. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which he or she is training.

E. Pursuant to Labor Code Section 1777.5, the CONTRACTOR and any subcontractors employing workers in any apprenticeship craft or trade, in performing any work under this Contract, shall apply to the applicable joint apprenticeship committee for a certificate approving CONTRACTOR or subcontractor under the applicable apprenticeship standards for the employment and training of apprentices.

F. Every contractor and subcontractor shall submit contract award information to the applicable joint apprenticeship committee which shall include an estimate of journeyman hours to be performed under the Contract, the number of apprentices to be employed and the approximate dates the apprentices will be employed.

G. The CONTRACTOR and all subcontractors shall comply with Labor Code Section 1777.6, which forbids certain discriminatory practices in the employment of apprentices.

H. CONTRACTOR shall become fully acquainted with the laws concerning apprentices prior to commencement of the Project. Special attention is directed to sections 1777.5, 1777.6 and 1777.7 of the Labor Code and Title 8 of the California Code of Regulations. Questions may be directed to the State Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, California.

Hours of Work

A. As provided in the Wage Rates Section commencing with Section 1810 Labor Code, eight hours of labor shall constitute a legal day of work. The standard time of service of any worker employed at any time by the CONTRACTOR, or by any subcontractor on any subcontract under this Contract, upon the Project or upon any part of the Project

contemplated by this Contract, shall not exceed eight hours per day and forty hours during any one week unless all overtime and off time laws are complied with in full. Upon completion of all hours worked in excess of eight hours per day and forty hours during any one week, work shall be permitted upon the project at not less than one and one-half times the basic rate of pay. All work performed on Saturday, Sunday, and/or holiday shall be paid pursuant to the Prevailing Wage Determination.

B. The CONTRACTOR shall keep and shall cause each subcontractor to keep accurate records showing the name of and actual hours worked each calendar day and each calendar week by each worker employed by CONTRACTOR in connection with the Project or any part of the Project. The record shall be kept open at all reasonable hours to the inspection of the AGENCY and to the Division of Labor Standards Enforcement, Department of Industrial Relations, State of California.

C. As a penalty, the CONTRACTOR shall pay \$25.00 for each worker employed by CONTRACTOR or by any subcontractor in the performance of this Contract for each calendar day during which the worker is required or permitted to work more than eight hours in any calendar day and 40 hours in any one calendar week in violation of the provisions of the Wage Rates Section commencing with Section 1810 of the Labor Code. Any work performed after regular working hours or on Sundays or other holidays shall be performed without additional expense to AGENCY.

FEDERAL LABOR, WAGE & HOUR, APPRENTICE, AND RELATED PROVISIONS

1. As this Project is funded in whole or in part by federal funds, Contractor and all Subcontractors are subject to civil or criminal prosecution for any violation of the federal False Claims Act set forth under section 1001 of title 18 and section 231 of title 31 of the United States Code.

2. Minimum Wages

2.1. The Davis-Bacon Act and 29 CFR parts 1 through 7 shall apply if the Project is financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution.

2.2. All laborers and mechanics employed or working upon the Site of the Work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the Project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account, except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3), the full amount of wages and bona fide fringe benefits, or cash equivalents thereof, due at time of payment computed at rates not less than those contained in the applicable wage determination of the Secretary of Labor regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

2.2.1. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of this section; also, regular contributions made or costs incurred for more than a weekly period, but not less often than quarterly, under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of Work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing Work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which Work is performed. The wage determination including any additional classification and wage rates conformed under this section and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its Subcontractors at the Site of the Work in a prominent

and accessible place where it can be easily seen by the workers.

2.2.2. Any class of laborers or mechanics, including helpers, and which is to be employed under the Contract which is not listed in the wage determination shall be classified in conformance with the wage determination. An additional classification and wage rate and fringe benefits will not be approved unless when the following criteria have been met:

2.2.2.1. The Work to be performed by the classification requested is not performed by a classification in the wage determination; and

2.2.2.2. The classification is utilized in the area by the construction industry; and

2.2.2.3. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

3. If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the Agency agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the Contractor to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210.
4. In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the Agency do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the Contractor shall provide the questions, including the views of all interested parties and the recommendation of the Agency, to the Agency for the Agency's review and referral to the Administrator for determination.
5. The wage rate (including fringe benefits where appropriate) determined pursuant to this section, shall be paid to all workers performing Work in the classification under this Contract from the first day on which Work is performed in the classification.
6. Whenever the minimum wage rate prescribed in any applicable wage determination for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
7. If the Contractor does not make payments to a trustee or other third person, the Contractor may consider, as part of the wages of any laborer or mechanic, the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. If the Secretary of Labor so requires, the Contractor shall set aside in a separate account sufficient assets to meet obligations under the plan or program.

8. **Withholding.**

Agency may, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this Contract or any other Federal contract with the same Contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any Subcontractor the full amount of wages required by the Contract. In the event of Contractor's or any Subcontractors' failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the Site of the Work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the Contract, the Agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as it deems necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

8.1. Payrolls and basic records.

- 8.2. Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the Work and preserved for a period of three years thereafter for all laborers and mechanics working at the Site of the Work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records that show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- 8.3. The Contractor shall submit weekly for each week in which any Contract Work is performed a copy of all payrolls to the Department of Industrial Relations (**DIR**) website: <http://www.dir.ca.gov/PublicWorks/PublicWorks.html>. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information shall be submitted on a form acceptable to the Agency. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <https://www.dol.gov/whd/programs/dbra/wh347.htm> or its successor site. Contractor is responsible for the submission of copies of payrolls by all Subcontractors. Contractor and Subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Agency, the Contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. Contractor may require a Subcontractor to provide addresses and social security numbers to the Contractor for its own records, without weekly submission to the DIR or other government agency.
- 8.3.1. Each payroll submitted shall be accompanied by a **“Statement of Compliance,”** signed by the Contractor or Subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:
- 8.3.1.1. That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5,
- 8.3.1.2. That the appropriate information is being maintained under 29 CFR 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and
- 8.3.1.3. That such information is correct and complete;
- 8.3.1.4. That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and
- 8.3.1.5. That no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
- 8.3.1.6. That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of Work performed, as specified in the applicable wage determination incorporated into or applicable to the Contract.

- 8.3.1.7. The weekly submission of a properly executed certification in the form set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by this section.
- 8.3.1.8. The falsification of any of the above certifications may subject the Contractor or one or more Subcontractors to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- 8.3.2. The Contractor or Subcontractor shall make the records required under this section available for inspection, copying, or transcription by authorized representatives of the Agency or the federal Department of Labor, and shall permit representatives to interview employees during working hours on the job. If the Contractor or Subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

9. Apprentices and trainees

- 9.1. **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the Work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first ninety (90) days of probationary employment as an apprentice in an eligible apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job Site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of Work actually performed. In addition, any apprentice performing Work on the job Site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the Work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or Subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the Work performed until an acceptable program is approved.
- 9.2. **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to Work at less than the predetermined rate for the Work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job Site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every

trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of Work actually performed. In addition, any trainee performing Work on the job Site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the Work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the Work performed until an acceptable program is approved.

9.3. **Equal employment opportunity.** The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

10. **Compliance with Copeland Act requirements.** Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this Contract.

10.1. **Subcontracts.** The Contractor or Subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the Federal agency may by appropriate instructions require, and also a clause requiring the Subcontractors to include these clauses in any lower tier subcontracts. The Contractor shall be responsible for the compliance by any Subcontractor or lower tier Subcontractor with all the Contract clauses in 29 CFR 5.5.

10.2. **Contract termination: debarment.** A breach of the Contract clauses in 29 CFR 5.5 may be grounds for termination of the Contract, and for debarment as a Contractor and a Subcontractor as provided in 29 CFR 5.12.

10.3. **Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this Contract.

10.4. **Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its Subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

11. **Certification of eligibility.**

11.1. By entering into this Contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

11.2. No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

11.3. Contractor shall be subject to the penalty for making false statements prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

11.4. **Clauses Mandated by Contract Work Hours and Safety Standards Act.** As used in the following paragraphs, the terms laborers and mechanics include watchmen and guards.

11.5. **Overtime requirements.** No Contractor or Subcontractor contracting for any part of the Contract Work which may require or involve the employment of laborers or mechanics shall require or permit any such

laborer or mechanic in any workweek in which he or she is employed on such Work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

- 11.6. **Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in the foregoing paragraph the Contractor and any Subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and Subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the foregoing paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the foregoing paragraph.
- 11.7. **Withholding for unpaid wages and liquidated damages.** The Agency may upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of Work performed by the Contractor or Subcontractor under the Contract or any other Federal contract with the same Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or Subcontractor for unpaid wages and liquidated damages as provided in the foregoing paragraph.
- 11.8. **Subcontracts.** The Contractor or Subcontractor shall insert in any subcontracts the foregoing paragraphs concerning "Overtime requirements" and "Violation; liability for unpaid wages; liquidated damages" and also a clause requiring each Subcontractor to include these clauses in any lower tier subcontracts. Contractor shall be responsible for compliance by any Subcontractor or lower tier Subcontractor with the clauses set forth in this section.

"General Decision Number: CA20230020 07/14/2023

Superseded General Decision Number: CA20220020

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Inyo, Kern and Mono Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS.

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all

	hours spent performing on that contract in 2023.
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The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	01/13/2023
2	01/20/2023
3	02/10/2023
4	03/17/2023
5	03/31/2023
6	04/07/2023
7	06/30/2023
8	07/14/2023

ASBE0005-001 07/04/2022

INYO AND KERN

	Rates	Fringes
Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....	\$ 32.09	19.66
Insulator/asbestos worker (Includes the application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems).....	\$ 49.58	25.27

ASBE0005-005 07/04/2022

INYO AND KERN

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....\$	23.52	13.37

ASBE0016-003 02/01/2023		

MONO

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....\$	62.26	23.82

BOIL0092-005 01/01/2021		

INYO AND KERN

	Rates	Fringes
BOILERMAKER.....\$	46.03	38.81

BOIL0549-003 01/01/2021		

MONO COUNTY

	Rates	Fringes
BOILERMAKER.....\$	45.60	38.99

* BRCA0004-005 05/01/2020		

	Rates	Fringes
BRICKLAYER; MARBLE SETTER.....\$	41.52	18.47

*The wage scale for prevailing wage projects performed in Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate

BRCA0018-010 09/01/2022

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 38.37	14.13
TERRAZZO WORKER/SETTER.....	\$ 46.49	14.66

BRCA0018-011 06/01/2022

	Rates	Fringes
TILE LAYER.....	\$ 45.05	18.33

BRCA0018-012 06/01/2022

KERN

	Rates	Fringes
MARBLE FINISHER.....	\$ 37.87	14.13
TILE FINISHER.....	\$ 32.44	12.54

CARP0213-002 07/01/2021

	Rates	Fringes
Diver		
(1) Wet.....	\$ 834.40	16.28
(2) Standby.....	\$ 445.84	16.28
(3) Tender.....	\$ 437.84	16.28
(4) Assistant Tender.....	\$ 413.84	16.28

Amounts in "'Rates' column are per day

CARP0213-004 07/01/2021

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 51.60	16.28
STOCKER/SCRAPPER.....	\$ 22.16	8.62

CARP0661-001 07/01/2021

	Rates	Fringes
CARPENTER		
(01) Carpenter, cabinet installer, insulation installer, floor worker and acoustical installer....	\$ 51.03	16.28
(02) Millwright.....	\$ 52.10	16.48
(03) Piledrivermen; Derrick barge; Bridge or Dock Carpenter; Heavy framer; Rockslinger; Rock Bargeman; Scowman.....	\$ 51.73	16.28
(04) Shingler (Commercial)..	\$ 51.17	16.28
(05) Table Power Saw Operator.....	\$ 52.13	16.28
(06) Pneumatic Nailer or Power Stapler.....	\$ 51.29	16.28
(07) Roof Loader of Shingles (Commercial).....	\$ 38.92	16.28
(08) Saw Filer.....	\$ 51.03	16.28
(09) Scaffold Builder.....	\$ 42.80	16.28

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre-drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

 CARP0721-001 07/01/2021

	Rates	Fringes
Modular Furniture Installer.....	\$ 21.85	7.15

 ELEC0428-001 01/01/2023

	Rates	Fringes
CABLE SPLICER		
China Lake Naval Weapons Center, Edwards AFB.....	\$ 61.68	3%+20.19
Remainder of Kern County....	\$ 54.62	3%+20.19
ELECTRICIAN		

China Lake Naval Weapons Center, Edwards AFB.....	\$ 56.71	3%+20.19
Remainder of Kern County....	\$ 49.65	3%+20.19

ELEC0428-003 06/26/2023

COMMUNICATIONS AND SYSTEMS WORK

KERN COUNTY

	Rates	Fringes
Communications System Installer China Lake Naval Weapons Center.....	\$ 49.55	3%+19.64
Edwards AFB.....	\$ 46.04	3%+19.64
KERN COUNTY.....	\$ 39.91	3%+19.64

SCOPE OF WORK:

Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call systems, radio page, school intercom and sound, burglar alarms, fire alarm (see last paragraph below) and low voltage master clock systems in commercial buildings. Communication Systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems. Fire alarm work shall be performed at the current inside wireman total cost package.

ELEC0477-001 06/01/2021

INYO AND MONO

	Rates	Fringes
ELECTRICIAN.....	\$ 45.75	3%+25.33

CABLE SPLICER: \$1.50 above Electrician.

TUNNEL WORK: 10% above Electrician.

ELEC1245-001 06/01/2022

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..\$ 64.40	64.40	22.58
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....\$ 50.00	50.00	21.30
(3) Groundman.....\$ 38.23	38.23	20.89
(4) Powderman.....\$ 51.87	51.87	18.79

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day,
Independence Day, Labor Day, Veterans Day, Thanksgiving Day
and day after Thanksgiving, Christmas Day

ELEV0018-001 01/01/2023

	Rates	Fringes
ELEVATOR MECHANIC.....\$ 63.95	63.95	37.335+a+b

FOOTNOTE:

a. PAID VACATION: Employer contributes 8% of regular hourly
rate as vacation pay credit for employees with more than 5
years of service, and 6% for 6 months to 5 years of service.

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence
Day, Labor Day, Veterans' Day, Thanksgiving Day, Friday
after Thanksgiving, and Christmas Day.

ENGI0012-003 07/01/2022

	Rates	Fringes
OPERATOR: Power Equipment (All Other Work)		

GROUP 1.....	\$ 51.90	30.70
GROUP 2.....	\$ 52.68	30.70
GROUP 3.....	\$ 52.97	30.70
GROUP 4.....	\$ 54.46	30.70
GROUP 5.....	\$ 48.96	25.25
GROUP 6.....	\$ 54.68	30.70
GROUP 8.....	\$ 54.79	30.70
GROUP 9.....	\$ 49.29	25.25
GROUP 10.....	\$ 54.91	30.70
GROUP 11.....	\$ 49.41	25.25
GROUP 12.....	\$ 55.08	30.70
GROUP 13.....	\$ 55.18	30.70
GROUP 14.....	\$ 55.21	30.70
GROUP 15.....	\$ 55.29	30.70
GROUP 16.....	\$ 55.41	30.70
GROUP 17.....	\$ 55.58	30.70
GROUP 18.....	\$ 55.68	30.70
GROUP 19.....	\$ 55.79	30.70
GROUP 20.....	\$ 55.91	30.70
GROUP 21.....	\$ 56.08	30.70
GROUP 22.....	\$ 56.18	30.70
GROUP 23.....	\$ 56.29	30.70
GROUP 24.....	\$ 56.41	30.70
GROUP 25.....	\$ 56.58	30.70

OPERATOR: Power Equipment
(Cranes, Piledriving &
Hoisting)

GROUP 1.....	\$ 53.25	30.70
GROUP 2.....	\$ 54.03	30.70
GROUP 3.....	\$ 54.32	30.70
GROUP 4.....	\$ 54.46	30.70
GROUP 5.....	\$ 54.68	30.70
GROUP 6.....	\$ 54.79	30.70
GROUP 7.....	\$ 54.91	30.70
GROUP 8.....	\$ 55.08	30.70
GROUP 9.....	\$ 55.25	30.70
GROUP 10.....	\$ 56.25	30.70
GROUP 11.....	\$ 57.25	30.70
GROUP 12.....	\$ 58.25	30.70
GROUP 13.....	\$ 59.25	30.70

OPERATOR: Power Equipment
(Tunnel Work)

GROUP 1.....	\$ 54.53	30.70
GROUP 2.....	\$ 54.82	30.70
GROUP 3.....	\$ 54.96	30.70
GROUP 4.....	\$ 55.18	30.70
GROUP 5.....	\$ 55.29	30.70
GROUP 6.....	\$ 55.41	30.70
GROUP 7.....	\$ 55.71	30.70

PREMIUM PAY:

\$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunitite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economatic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway

signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger

or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity); Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving

equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less than 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth-moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self-loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote-control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine,

Euclid, Caterpillar and similar, over 50 cu. yds. struck);
Tandem tractor operator (operating crawler type tractors in
tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator,
operating in tandem (scrapers, belly dumps and similar
types in any combination, excluding compaction units -
single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types);
Rubber-tired earth-moving equipment operator, operating in
tandem (scrapers, belly dumps and similar types in any
combination, excluding compaction units - single engine,
Caterpillar, Euclid, Athey Wagon and similar types with any
and all attachments over 25 yds. and up to and including 50
cu. yds. struck); Rubber-tired earth-moving equipment
operator, operating in tandem (scrapers, belly dumps and
similar types in any combination, excluding compaction
units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator,
operating in tandem (scrapers, belly dumps and similar
types in any combination, excluding compaction units -
single engine, over 50 yds. struck); Rubber-tired
earth-moving equipment operator, operating in tandem
(scrapers, belly dumps, and similar types in any
combination, excluding compaction units - multiple engine,
Euclid, Caterpillar and similar, over 25 yds. and up to 50
yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator,
operating in tandem (scrapers, belly dumps and similar
types in any combination, excluding compaction units -
multiple engine, Euclid, Caterpillar and similar type, over
50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator,
operating equipment with the tandem push-pull system
(single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator,
operating equipment with the tandem push-pull system
(single engine, Caterpillar, Euclid, Athey Wagon and
similar types with any and all attachments over 25 yds. and
up to and including 50 yds. struck); Rubber-tired
earth-moving equipment operator, operating with the tandem
push-pull system (multiple engine, up to and including 25
yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including

50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N,m R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, as that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SMB to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south

boundary of T1s, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a thin strip between T11N SBM and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

ENGI0012-004 08/01/2022

	Rates	Fringes
OPERATOR: Power Equipment		
(DREDGING)		
(1) Leverman.....	\$ 61.60	32.50
(2) Dredge dozer.....	\$ 55.63	32.50
(3) Deckmate.....	\$ 55.52	32.50
(4) Winch operator (stern winch on dredge).....	\$ 54.97	32.50
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 54.43	32.50
(6) Barge Mate.....	\$ 55.04	32.50

IRON0155-002 01/01/2023

INYO and MONO COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 41.00	33.70

PREMIUM PAY:

\$9.00 additional per hour at the following locations:

China Lake Naval Test Station, Edwards AFB

 IRON0155-003 01/01/2023

KERN COUNTY

	Rates	Fringes
IRONWORKER.....	\$ 46.20	34.30

PREMIUM PAY:

\$9.00 additional per hour at the following locations:

China Lake Naval Test Station, Edwards AFB

 LAB00220-002 07/01/2022

KERN COUNTY

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 45.68	23.30
GROUP 2.....	\$ 46.00	23.30
GROUP 3.....	\$ 46.46	23.30
GROUP 4.....	\$ 47.15	23.30
LABORER		
GROUP 1.....	\$ 36.39	21.04
GROUP 2.....	\$ 36.94	21.04
GROUP 3.....	\$ 37.49	21.04
GROUP 4.....	\$ 39.04	21.04
GROUP 5.....	\$ 39.39	21.04

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and

similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabledtender; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person;

Concrete crew, including rodder and spreader

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LAB00220-005 07/01/2022

KERN COUNTY

	Rates	Fringes
Brick Tender.....	\$ 37.32	21.45

LAB00300-005 08/01/2022

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 39.23	23.28

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LAB00345-001 07/01/2022

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 48.50	21.37
GROUP 2.....	\$ 47.55	21.37
GROUP 3.....	\$ 44.01	21.37

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall

receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

 LAB00783-001 07/01/2022

INYO AND MONO COUNTIES

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 45.68	23.30
GROUP 2.....	\$ 46.00	23.30
GROUP 3.....	\$ 46.46	23.30
GROUP 4.....	\$ 47.15	23.30
LABORER		
GROUP 1.....	\$ 36.39	21.04
GROUP 2.....	\$ 36.94	21.04
GROUP 3.....	\$ 37.49	21.04
GROUP 4.....	\$ 39.04	21.04
GROUP 5.....	\$ 39.39	21.04

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material

loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine,

hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabetender; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person; Concrete crew, including rodder and spreader;

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of

troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LABO0783-004 07/01/2022

INYO AND MONO COUNTIES

	Rates	Fringes
Brick Tender.....	\$ 37.32	21.45

LABO1184-001 07/01/2022

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 40.69	18.25
(2) Vehicle Operator/Hauler.	\$ 40.86	18.25
(3) Horizontal Directional Drill Operator.....	\$ 42.71	18.25
(4) Electronic Tracking Locator.....	\$ 44.71	18.25
Laborers: (STRIPING/SLURRY SEAL)		
GROUP 1.....	\$ 41.90	21.32
GROUP 2.....	\$ 43.20	21.32
GROUP 3.....	\$ 45.21	21.32
GROUP 4.....	\$ 46.95	21.32

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all

related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

 PAIN0036-009 09/01/2022

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 42.15	23.52

 PAIN0036-021 07/01/2020

	Rates	Fringes
Painters: (Including Lead Abatement)		
(1) Journeyman Painter.....	\$ 28.68	17.10
(2) Repaint.....	\$ 26.40	17.02
(4) All other work.....	\$ 28.68	17.10
(5) Industrial.....	\$ 35.52	17.64

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities. HIGH IRON & STEEL:

Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting

in other high hazardous work shall be classified as high iron & steel

 PAIN0169-002 01/01/2023

	Rates	Fringes
GLAZIER.....	\$ 44.33	28.88

 PAIN1247-001 01/01/2023

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 41.60	16.38

 PLAS0200-007 08/03/2022

	Rates	Fringes
PLASTERER.....	\$ 47.37	19.64

U.S. MARINE CORPS-PICKLE MEADOW & MOUNTAIN WARFARE TRAINING CENTER:
 \$3.00 additinal per hour.

 PLAS0500-002 07/01/2020

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 38.50	25.91

 PLUM0345-001 09/01/2022

	Rates	Fringes
PLUMBER		
Landscape/Irrigation Fitter.	\$ 38.20	25.65
Sewer & Storm Drain Work....	\$ 42.29	23.03

 PLUM0460-002 09/01/2022

	Rates	Fringes
PLUMBER (Plumber, Pipefitter, Steamfitter, Refrigeration).....	\$ 53.70	25.36
China Lake, Marine Warfare		

Training Center.....	\$ 65.68	26.26
Edwards Air Force Base.....	\$ 62.18	26.26

FOOTNOTE: Work from a swinging scaffold, swinging basket, spider or from a bosun chair: 10% above the regular rate of pay for that day.

 ROOF0027-001 01/01/2023

	Rates	Fringes
ROOFER.....	\$ 41.31	15.31

FOOTNOTE: Work with pitch, pitch base of pitch impregnated products or any material containing coal tar pitch, on any building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off: \$2.00 per hour additional.

 SFCA0669-007 04/01/2023

	Rates	Fringes
SPRINKLER FITTER.....	\$ 45.31	27.33

 * SHEE0105-003 07/01/2023

LOS ANGELES (South of a straight line drawn between Gorman and Big Pines)and Catalina Island, INYO, KERN (Northeast part, East of Hwy 395), MONO ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES

	Rates	Fringes
SHEET METAL WORKER		
(1) Commercial - New Construction and Remodel work.....	\$ 55.16	30.04
(2) Industrial work including air pollution control systems, noise abatement, hand rails, guard rails, excluding aritechatural sheet metal work, excluding A-C, heating, ventilating systems for human comfort...	\$ 55.16	30.04

SHEE0105-004 07/01/2022

KERN (Excluding portion East of Hwy 395) & LOS ANGELES (North of a straight line drawn between Gorman and Big Pines including Cities of Lancaster and Palmdale) COUNTIES

	Rates	Fringes
SHEET METAL WORKER.....	\$ 42.53	28.94

TEAM0011-002 07/01/2022

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 36.19	32.54
GROUP 2.....	\$ 36.34	32.54
GROUP 3.....	\$ 36.47	32.54
GROUP 4.....	\$ 36.66	32.54
GROUP 5.....	\$ 36.69	32.54
GROUP 6.....	\$ 36.72	32.54
GROUP 7.....	\$ 36.97	32.54
GROUP 8.....	\$ 37.22	32.54
GROUP 9.....	\$ 37.42	32.54
GROUP 10.....	\$ 37.72	32.54
GROUP 11.....	\$ 38.22	32.54
GROUP 12.....	\$ 38.65	32.54

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3

axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====
Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours

they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing

this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination

- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
 Wage and Hour Division
 U.S. Department of Labor
 200 Constitution Avenue, N.W.
 Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
 U.S. Department of Labor
 200 Constitution Avenue, N.W.
 Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

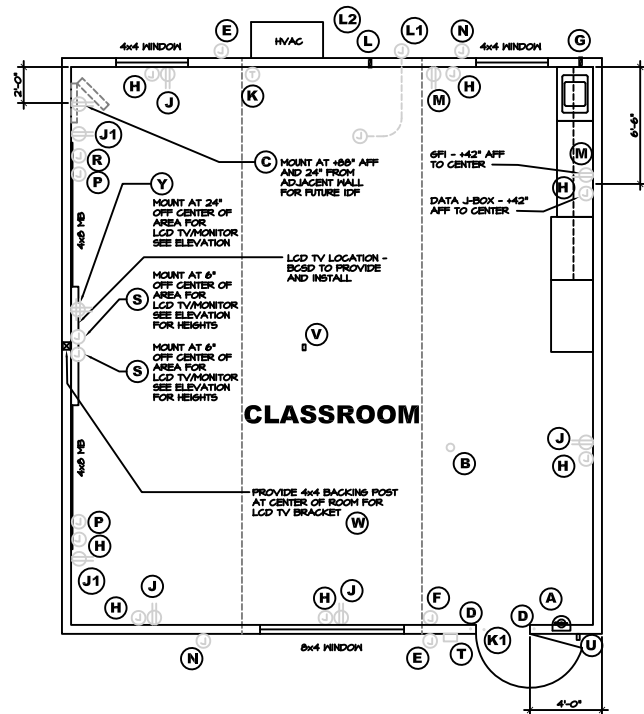
3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
 U.S. Department of Labor
 200 Constitution Avenue, N.W.
 Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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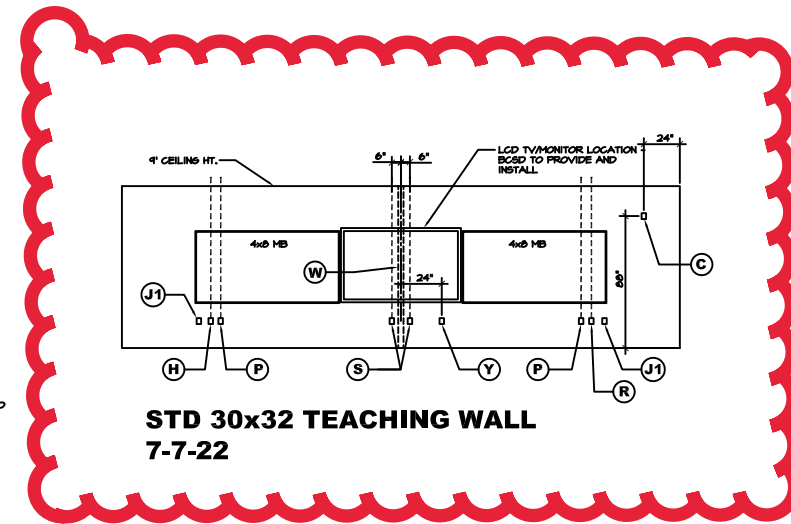
END OF GENERAL DECISIO"



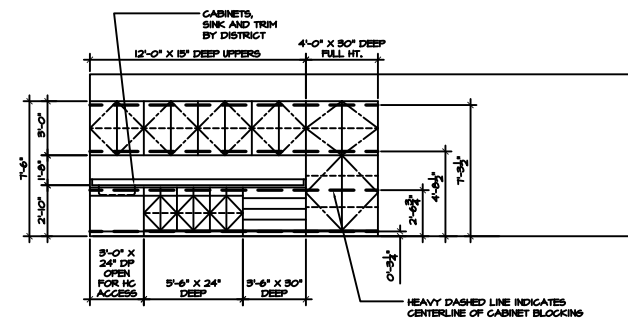
**STD BCSD 30x32 CR BLDG
7-7-22**

KEYNOTES

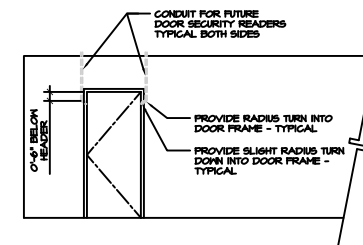
- (A) RECESSED CABINET FIRE EXTINGUISHER. INSTALL AT +40" FROM FLOOR TO OPERABLE PORTION OF CABINET OR EXTINGUISHER
- (B) CEILING MOUNTED OCCUPANCY SENSOR, N-LITE BRAND - CAT 5 LINKED.
- (C) PROVIDE SURGE PROTECTED DUPLEX OUTLET FOR FUTURE IDF CABINET. LOCATE AS INDICATED ON FLOOR PLAN. PROVIDE SEPARATE CIRCUIT IN ELECTRICAL PANEL.
- (D) PROVIDE 1" CONDUIT FROM ATTIC TO 6" BELOW HEADER. SHEEP THROUGH KING STUD AND TRIMMER INTO VOID AREA OF DOOR JAMB FOR FUTURE DOOR LOCK CONTROLS. PROVIDE SLIGHT TURN DOWN ONCE INTO JAMB AREA.
- (E) J-BOX ONLY (EXTERIOR FIRE HORN/SPEAKER) - INSTALL 4" SQ. J-BOX (4" SQ. X 2-1/2" DEEP) AT +60" FROM FLOOR. 3/4" CONDUIT STUBBED ABOVE CEILING. BOX SHALL BE MOUNTED FLUSH WITH EXTERIOR MALL FINISH.
- (F) J-BOX ONLY (HORN/STROBE) - INSTALL 4" SQ. J-BOX (4" SQ. X 2-1/2" DEEP) AT +60" FROM FLOOR. 3/4" CONDUIT STUBBED ABOVE CEILING. BOX SHALL BE MOUNTED FLUSH WITH INTERIOR MALL FINISH.
- (F1) J-BOX ONLY (SMOKE DETECTOR) - INSTALL 46 BOX WITH 3/8" PLASTER RING FLUSH WITH T-BAR CEILING / HARD LID SURFACE. (INSTALL PER DSA APPROVED PG PLANS)
- (G) INSTALL ABS DRAIN AT SINK AREA WITH ABS VENT PIPE UP IN MALL. DAYLIGHT VENT THROUGH ROOF AND DRAIN THROUGH MALL. LIST ABOVE BOTTOM PLATE. DO NOT INSTALL WATER SUPPLY LINE.
- (H) J-BOX ONLY (DATA OUTLET) - 3/4" CONDUIT STUBBED ABOVE CEILING.
- (J) STANDARD DUPLEX OUTLET LOCATION. LOCATE OUTLETS AS INDICATED ON THE PLAN.
- (J1) STANDARD SURGE PROTECTED DUPLEX OUTLET. LOCATE OUTLETS AS INDICATED ON THE PLAN.
- (K) J-BOX ONLY (T-STAT). BMSD WILL PROVIDE T-STAT. PLEASE NOTE THAT THE CONTROL WIRE FOR THE HVAC UNIT WILL NEED TO BE FACTORY INSTALLED FROM THE UNIT TO THE J-BOX FOR FUTURE INCLUSION OF STANDARD DISTRICT T-STATS.
- (K1) PROVIDE THE DELAYED HVAC SHUT DOWN DOOR SWITCH. INTENT IS TO SHUT DOWN HVAC UNIT IF DOOR IS LEFT OPEN TOO LONG.
- (L) POWER AND GROUND ENTRANCES TO THE RELOS NEED TO BE ACCOMPLISHED BY ADDING A CONDUIT NIPPLE FOR THE GROUND AND POWER WIRES AT THE REAR OF THE PANELS THROUGH THE WALL AND FINISH.
- (L1) 45 BOX WITH 1" CONDUIT INTO ATTIC SPACE TO 45 DEEP BOX FOR FIRE ALARM CABLE.
- (L2) PROVIDE 3/4" CONDUIT FROM ELECTRICAL PANEL TO ATTIC FOR FUTURE GROUNDING PURPOSES.
- (M) 6RJ RECEPTACLE. MOUNT AS INDICATED ON PLAN AT CABINET LOCATION. MOUNT AT STANDARD HEIGHT IN CLASSROOM AREAS.
- (N) J-BOX ONLY (EXTERIOR PA SYSTEM SPEAKER) - INSTALL AT +60" FROM FLOOR.
- (P) DOUBLE GANG DEEP MID RING. LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MID RING TO ABOVE CEILING. NO HARD CONNECTIONS AT MID RING. PROVIDE PULL STRING.
- (Q) INSTALL ELECTRIC LIGHTED EXIT SIGN WITH BATTERY BACKUP.
- (R) SINGLE GANG DEEP MID RING. LOCATE AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MID RING TO ABOVE CEILING. NO HARD CONNECTIONS AT MID RING. PROVIDE PULL STRING.
- (S) SINGLE GANG DEEP MID RING AT STANDARD HEIGHT. PROVIDE 1" CONDUIT ANCHORED TO FRAMING FROM MID RING TO ABOVE CEILING. NO HARD CONNECTION AT MID RING. PROVIDE PULL STRING.
- (T) EXTERIOR LIGHT FIXTURE WITH BUILT IN PHOTOCELL. RAB LIGHTING SLIM 18 WITH PHOTOCELL.
- (U) PROVIDE AND INSTALL TRIMCO #1254 HALL MOUNTED STOP/DOOR HOLDER AT +18".
- (V) PROVIDE SINGLE GANG BOX WITH CEILING MOUNTING BRACKET AT CENTER OF ROOM IN T-BAR CEILING.
- (W) PROVIDE 4X4 BACKING POST AT CENTER OF ROOM FOR DISTRICT PROVIDED MONITOR BRACKET.
- (X) NOT USED
- (Y) WALL MOUNTED SURGE PROTECTED QUADPLEX OUTLET. LOCATE AT STANDARD MALL OUTLET HEIGHT.



**STD 30x32 TEACHING WALL
7-7-22**



STD 30x32 CAB WALL ELEV



DOOR CONDUIT DETAIL

BCSD 30x32 CR BLDG

04-SUBSTITUTION LISTING

****TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID****

TO: BAKERSFIELD CITY SCHOOL DISTRICT ("OWNER")

1. Pursuant to bidding and contract requirements for the work titled:
Project Title/Bid #: MUNSEY E.S. (10) TEMPORARY CLASSROOMS - ELECTRICAL, FIRE ALARM & COMMUNICATIONS PROJECT #22216.TR-35

The contract sum, proposed by the undersigned on the Bid Form, is for the work as shown on the drawings, described in the specifications, and otherwise defined in the Contract Documents. However, the undersigned proposes the following substitutions for the Owner's consideration. Should the Owner accept any or all of the proposed substitutions, the Bidder agrees to reduce the contract sum by the amount shown. Proposed substitutions must be submitted not later than 10 working days prior to the date of bid opening in order for such request to be reviewed before bidding. All substitutions must be listed on this form and submitted prior to or with the bid or they will not be reviewed.

2. Please complete, attaching additional sheets as necessary:

Bidder proposes [check one]: no substitutions.
 the following substitutions:


Specified Product or Material	Drawing Number or Specification Section	Proposed Substitution	Proposed Price Reduction
NOTIFIER NFS2-640	E0.03 FIRE ALARM	HOCHIKI LA203K1-10	N/A
NOTIFIER DAA-5025	E0.03 FIRE ALARM	HOCHIKI EVAX-50	N/A
NOTIFIER FSP-851	E0.03 FIRE ALARM	HOCHIKI ALN-V	N/A
NOTIFIER FST-851H	E0.03 FIRE ALARM	HOCHICKI ATJ-EA	N/A
NOTIFIER NBG-12LX	E0.03 FIRE ALARM	HOCHICKI DCP-AMS	N/A
SYSTEM SENSOR SPSCR AV CM	E0.03 FIRE ALARM	HOCHIKI HSSPK24-CLPR	N/A
SYSTEM SENSOR SPRK	E0.03 FIRE ALARM	GENTEX WSSPKR	N/A
WESTPENN WIRE	E0.03 FIRE ALARM	WINDY CITY WIRE / SMART WIRE	N/A

3. All bids should be calculated and submitted on the assumption that substitution requests will not be approved.

4. Bidder hereby certifies that the requested substitutions are equal or better in all respects to what is specified, unless otherwise noted.

**SIGNATURE MUST BE IDENTICAL
TO THAT PROVIDED ON BID FORM**

BIDDER: A2Z TECHNOLOGIES INC.

By:  _____

Print Name: KENNETH RICKS

**ADDENDUM NO. 1
PROJECT MANUAL**

**PROJECT: 5564
August 31, 2023**

**MUNSEY ELEMENTARY SCHOOL
10 TEMPORARY CLASSROOMS
BACKERSFIELD CITY SCHOOL DISTRICT**

DSA APP# 03-123010



This Addendum and Addendum drawings form a part of the Contract Documents. It modifies the original Project Manual and Drawings. Bidders are required to acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to acknowledge receipt of each addendum may subject bidder to disqualification.

DRAWINGS

ELECTRICAL

1-01 Additive Alternate Bid #1 The contractor shall purchase all the electrical equipment only identified with a delta 'EB' in the attached Equipment Bid Package dated 12/5/22, DSA App. #03-122489, noted as EXHIBIT - 1 and comprised of the following sheets:

E1.00	SITE ELECTRICAL PLAN - DEMOLITION
E1.01	SITE ELECTRICAL PLAN
E1.02	ENLARGED SITE ELECTRICAL PLAN
E4.00	ONE LINE DIAGRAM - DEMO
E4.01	NEW ONE LINE DIAGRAM
E4.02	PANELS SCHEDULES

1-02 SHEET E0.04: New Notifier Stand Alone Fire Alarm panel is located in building T1. The classroom has two way communication with the main office via telephone at the teacher's desk.

1-03 SHEET E1.00: Route 3" conduit from "MSA" to bore pit #1 and to bore pit #2 to avoid future new switchboard and distribution conduit area – see reference drawing 5524 sheet E1.02 DSA #03-122489. Move bore pit #1 east and move bore pit #2 north. Coordinate work with future HVAC replacement project work areas.

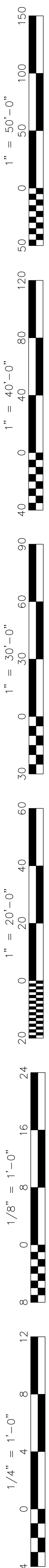
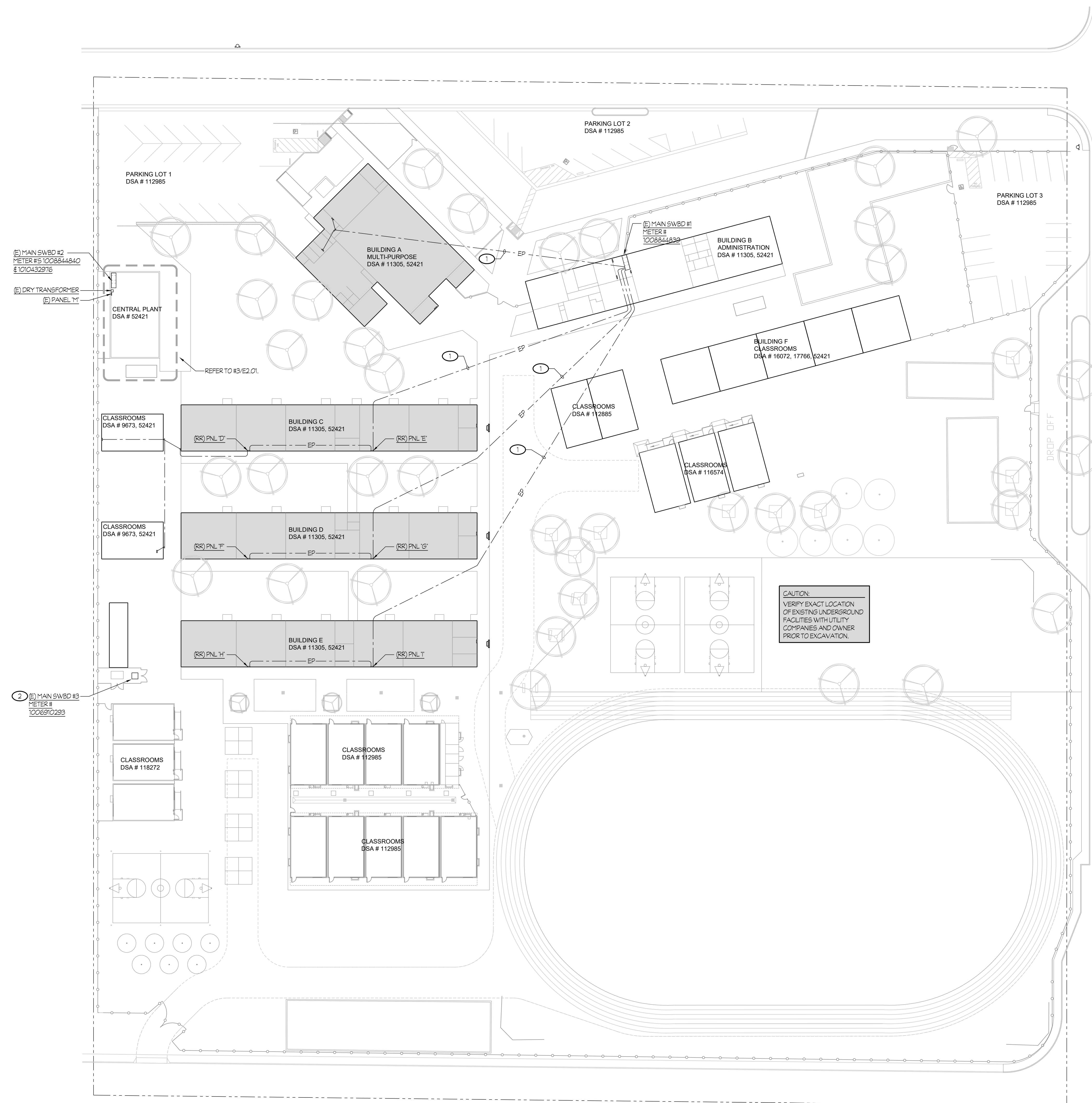
END ADDENDUM NO. 1

NOTES (THIS SHEET ONLY):

- ① REMOVE CONDUCTORS TO SOURCE OF SUPPLY. CONDUIT SHALL BE MADE SAFE AND ABANDONED.
- ② EXISTING MAIN SWITCHBOARD #3 SHOWN FOR REFERENCE ONLY. NO WORK REQUIRED.

GENERAL NOTE:

CONTRACTOR SHALL SURVEY ALL UNDERGROUND ROUTES FOR EXISTING UTILITIES.

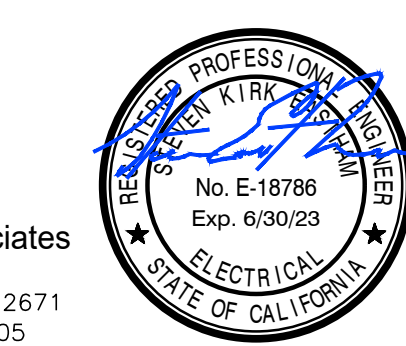



SITE ELECTRICAL PLAN - DEMOLITION
CENTRAL PLANT REPLACEMENT

SCALE: 1" = 30'-0"

EQUIPMENT BID PACKAGE
 12/5/22

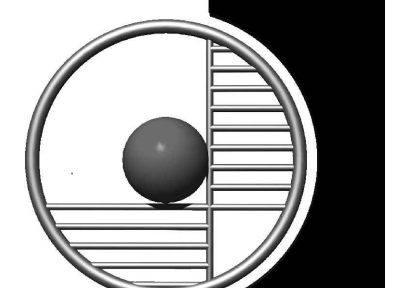
Rose Sing Eastham & Associates
 Electrical Consultants
 131 S. Dunworth - (559)733-2671
 Visalia, California 93292-6705



Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD, CA 93309

Project Name:
CENTRAL PLANT REPLACEMENT

Project Address:
MUNSEY ELEMENTARY SCHOOL
 3801 BRAVE AVENUE
 BAKERSFIELD, CA 93309


integrated designs
 by SOMAM, Inc.
ARCHITECTURE ENGINEERING INTERIOR DESIGN
 6011 N. FRESNO STREET, SUITE 130
 FRESNO CALIFORNIA 93710
 P:(559) 436-0881 F:(559) 436-0887
 E: design@somam.com
 integrateddesigns.com

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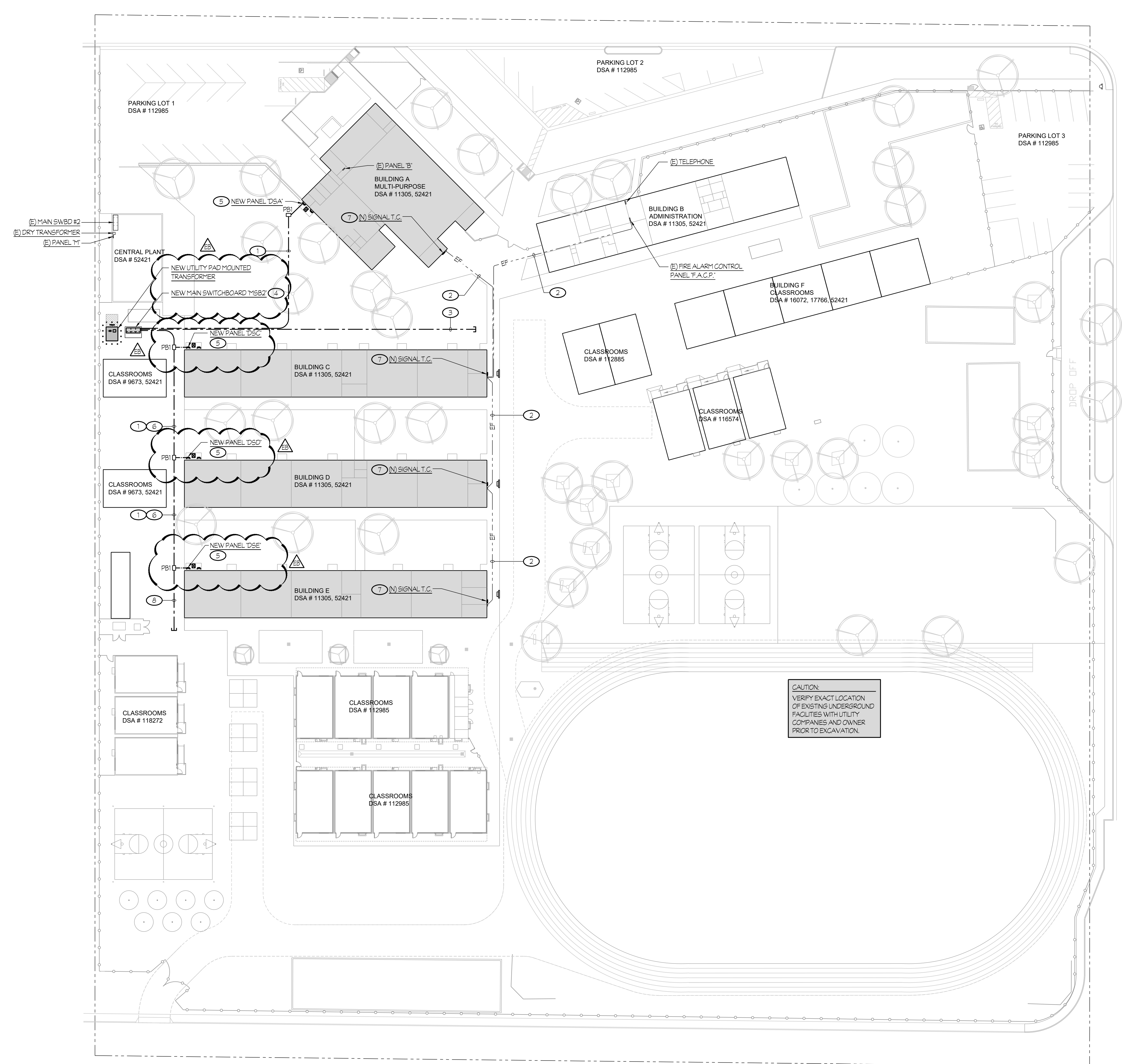
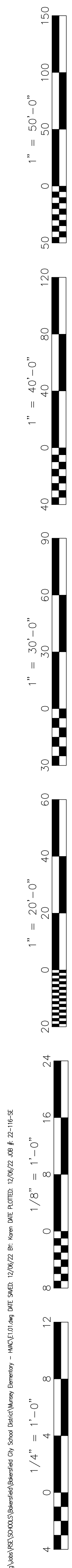
Stamp:

Sheet Title:
SITE ELECTRICAL PLAN - DEMOLITION

Job No.:
5524

Sheet No.:
E1.00

Release: DSA BACKCHECK Issue Date: 11-18-2022



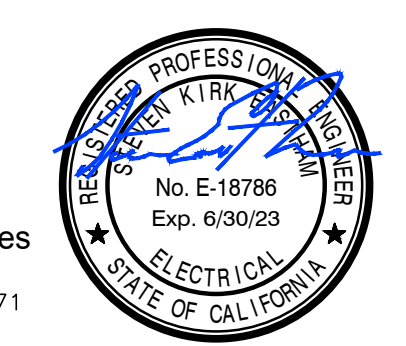
- NOTES (THIS SHEET ONLY):**
- 1 PROVIDE NEW CONDUIT AND CONNECTORS PER ONE LINE DIAGRAM, SHEET #E4.01.
 - 2 PROVIDE NEW FIRE ALARM CABLES PER RISER DIAGRAM, SHEET #E3.21.
 - 3 STUBOUT TO PICK-UP EXISTING OLD SERVICE IN FUTURE PER ONE LINE DIAGRAM, SHEET #E4.01.
 - 4 REFER TO DETAIL #17/E5.00 FOR MOUNTING REQUIREMENTS.
 - 5 REFER TO DETAIL #9/E5.00 FOR MOUNTING REQUIREMENTS.
 - 6 REFER TO TRENCH DETAIL #4/E5.00 FOR REQUIREMENTS.
 - 7 REFER TO DETAIL #6/E3.22 FOR MOUNTING REQUIREMENTS.
 - 8 STUBOUT FOR FUTURE PORTABLES, REFER TO ONE LINE DIAGRAM, SHEET #E4.01.


SITE ELECTRICAL PLAN
CENTRAL PLANT REPLACEMENT

SCALE: 1" = 30'-0"

EQUIPMENT BID PACKAGE
12/5/22

Rose Sing Eastham & Associates
 Electrical Consultants
 131 S. Dunworth - (559)733-2671
 Visalia, California 93292-6705



Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD, CA 93309

Project Name:
CENTRAL PLANT REPLACEMENT

Project Address:
MUNSEY ELEMENTARY SCHOOL
 3801 BRAVE AVENUE
 BAKERSFIELD, CA 93309


integrated designs
 by SOMAM, Inc.

**ARCHITECTURE
 ENGINEERING
 INTERIOR DESIGN**

6011 N. FRESNO STREET, SUITE 130
 FRESNO CALIFORNIA 93710
 P:(559) 436-0881 F:(559) 436-0887
 E: design@somam.com
 integrateddesigns.com

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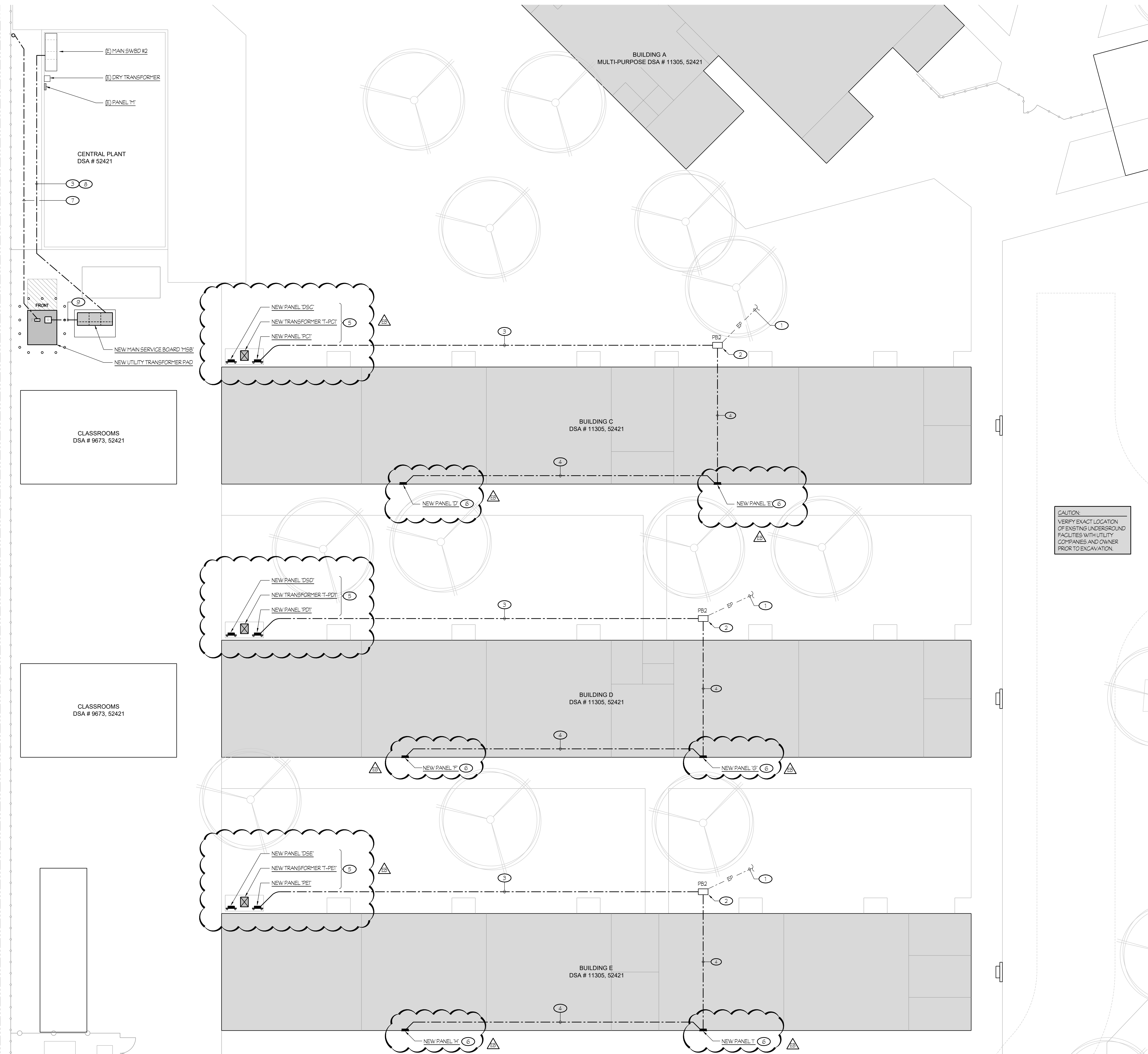
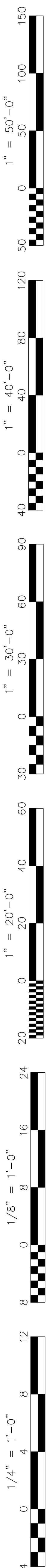
Stamp:

Sheet Title:
SITE ELECTRICAL PLAN

Job No.:
5524

Sheet No.:
E1.01

Release: DSA BACKCHECK Issue Date: 11-18-2022



- NOTES (THIS SHEET ONLY):**
- 1 EXISTING CONDUIT SHALL BE ABANDONED IN PLACE.
 - 2 INTERCEPT EXISTING CONDUIT WITH NEW PULL BOX, PER DETAIL H5/E5.00.
 - 3 NEW CONDUIT AND CONDUCTORS PER ONE LINE DIAGRAM, SHEET #E4.01.
 - 4 EXISTING CONDUIT, NEW CONDUCTORS PER ONE LINE DIAGRAM, SHEET #E4.01.
 - 5 REFER TO DETAIL H9/E5.00 FOR MOUNTING REQUIREMENTS.
 - 6 REFER TO DETAIL H6/E5.00 FOR MOUNTING REQUIREMENTS.
 - 7 PROVIDE NEW CONDUIT PER APPROVED UTILITY DRAWINGS EXPECTED TO BE (1) 5' CONDUIT.
 - 8 PROVIDE TEMPORARY CONNECTION TO CHILLER SECTION FOR OPERATION OF EQUIPMENT DURING CONSTRUCTION PHASES. CONNECTION SHALL BE REMOVED AT END OF PROJECT.
 - 9 PROVIDE NEW CONDUIT PER APPROVED UTILITY DRAWINGS EXPECTED TO BE (6) 4' CONDUITS.

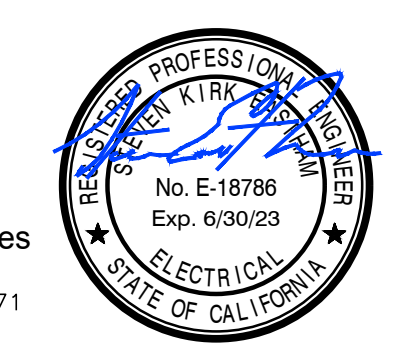
CAUTION:
VERIFY EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES WITH UTILITY COMPANIES AND OWNER PRIOR TO EXCAVATION.

**ENLARGED SITE ELECTRICAL PLAN
CENTRAL PLANT REPLACEMENT**

SCALE: 1" = 10'-0"

**EQUIPMENT BID PACKAGE
12/5/22**

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705



Owner:
BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93309

Project Name:
CENTRAL PLANT REPLACEMENT

Project Address:
MUNSEY ELEMENTARY SCHOOL
3801 BRAVE AVENUE
BAKERSFIELD, CA 93309

integrated designs
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**ARCHITECTURE
ENGINEERING
INTERIOR DESIGN**

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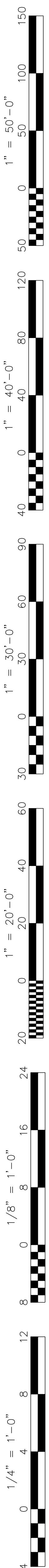
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Sheet Title:
ENLARGED SITE ELECTRICAL PLAN

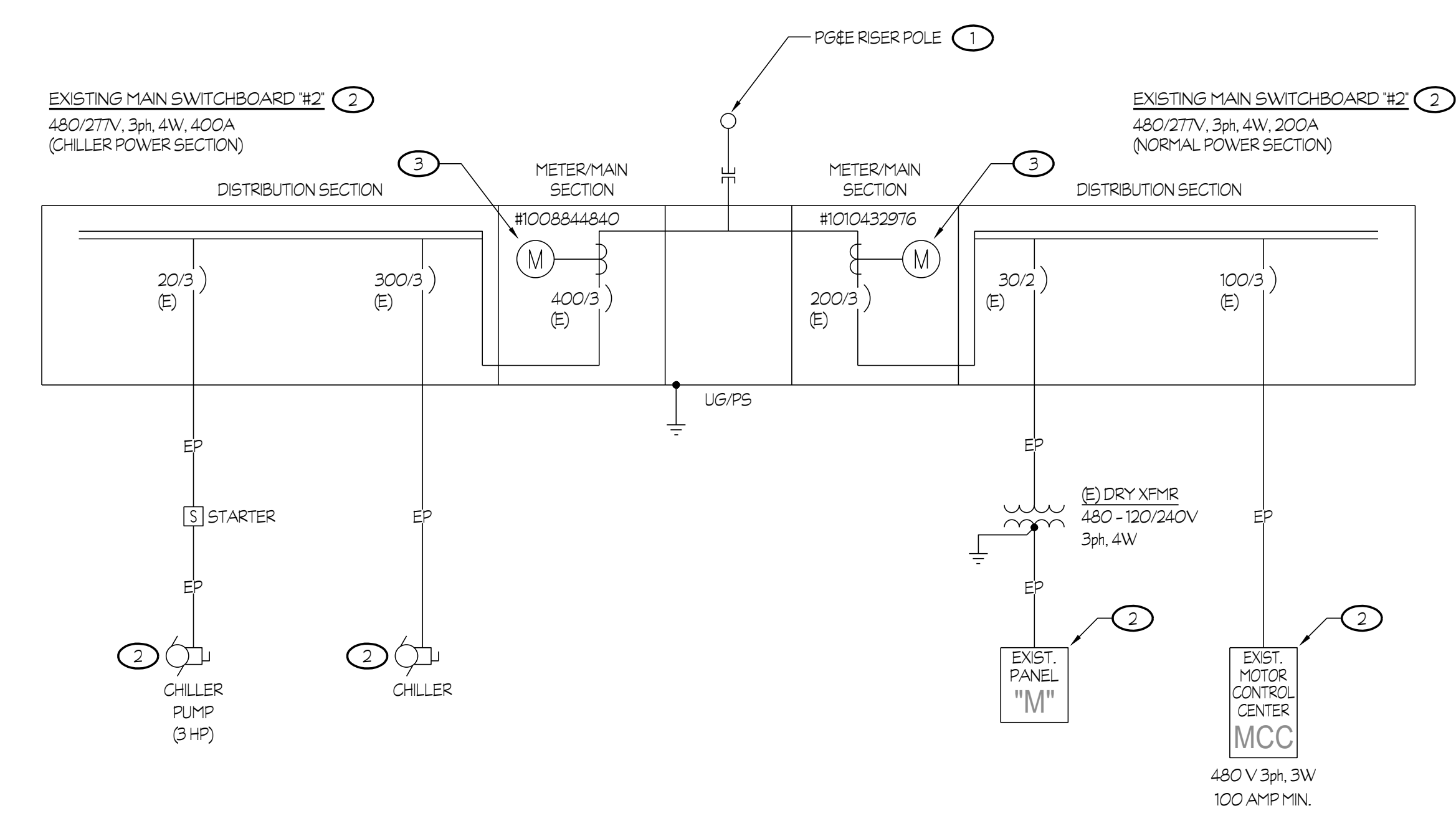
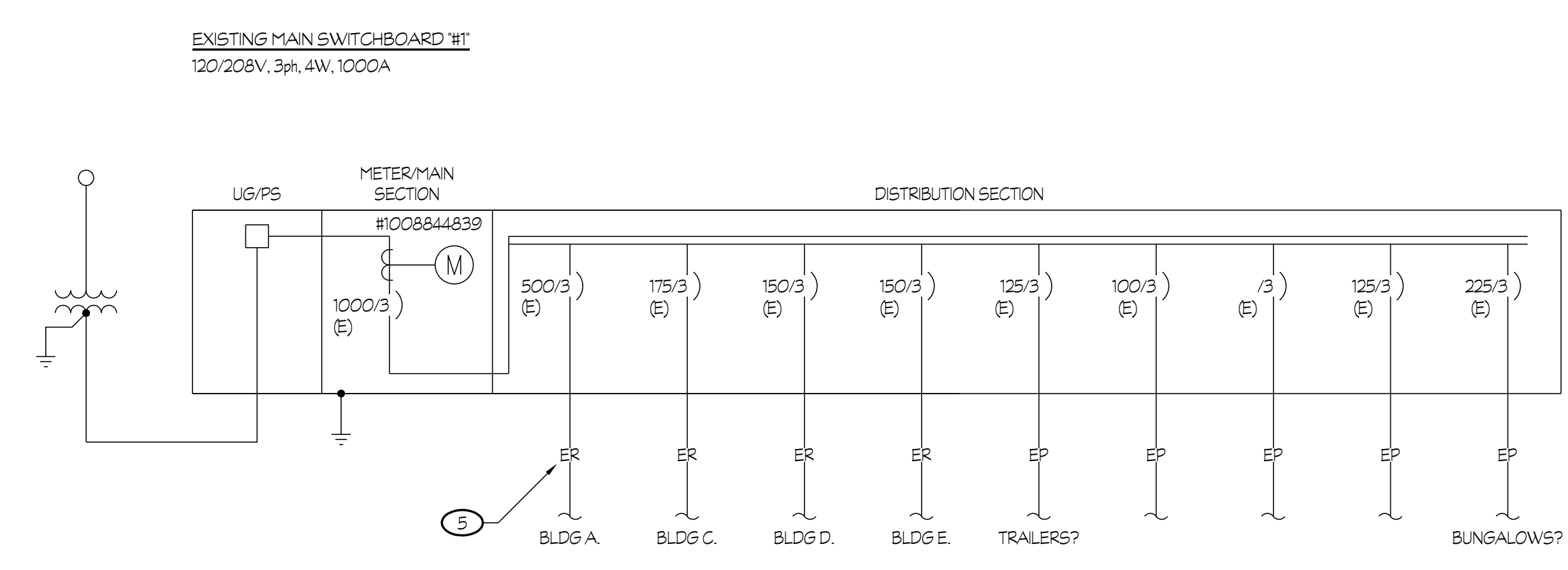
Job No.:
5524

Sheet No.:
E1.02

Release: DSA BACKCHECK Issue Date: 11-18-2022



- NOTES (THIS SHEET ONLY):**
- 1 EXISTING UTILITY FEED SHALL BE DISCONNECTED. PROVIDE NEW CONNECTION FROM NEW BOARD #MSB2 TO FEED EXISTING BOARD DURING CONSTRUCTION, AS SHOWN ON SHEET E4.01.
 - 2 EXISTING CHILLER EQUIPMENT SHALL REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES. EQUIPMENT SHALL BE DISCONNECTED AND REMOVED AT THE END OF NEW CONSTRUCTION.
 - 3 RETURN UTILITY METER EQUIPMENT TO UTILITY COMPANY AND PROVIDE CONNECTION TO POWER DISTRIBUTION BOARDS.
 - 4 _____ EP _____ DENOTES EXISTING FEEDER AND/OR SPARE CONDUIT(S) SHALL REMAIN, UNLESS OTHERWISE NOTED.
 - 5 _____ ER _____ DENOTES EXISTING BRANCH CIRCUITS/HOMERUN TO BE REMOVED.

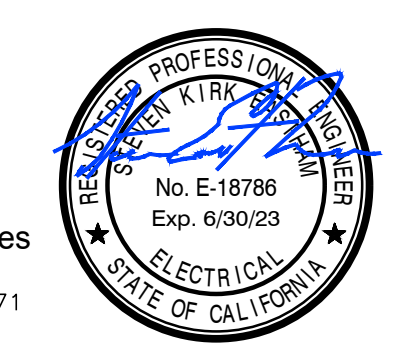


1 EXISTING ONE LINE DIAGRAM

SCALE: NTS

EQUIPMENT BID PACKAGE
12/5/22

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BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA 93309

CENTRAL PLANT REPLACEMENT

MUNSEY ELEMENTARY SCHOOL
3801 BRAVE AVENUE
BAKERSFIELD, CA 93309

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by SOMAM, Inc.
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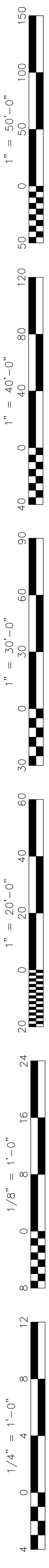
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Sheet Title:
ONE LINE DIAGRAM - DEMO

Job No.:
5524

Sheet No.:
E4.00

Release: DSA BACKCHECK Issue Date: 11-18-2022



NEW MAIN SWBD 'MSB2' LOAD CALCULATION:

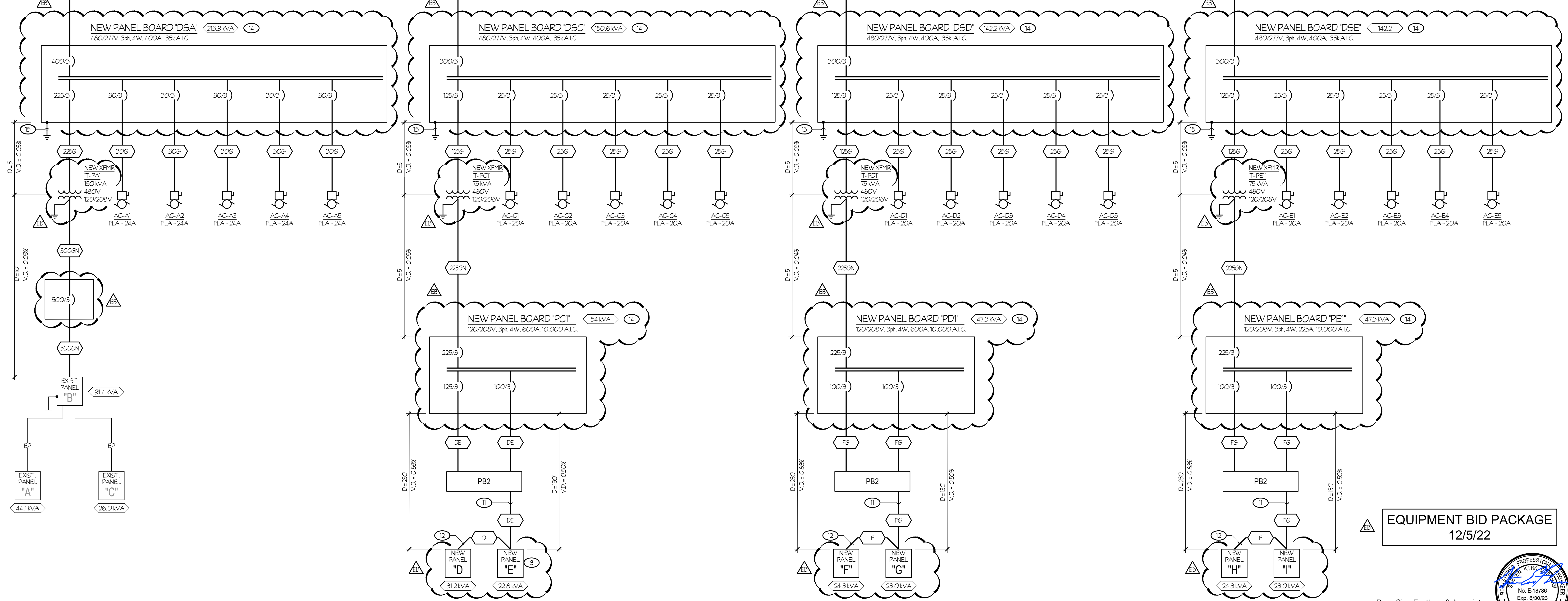
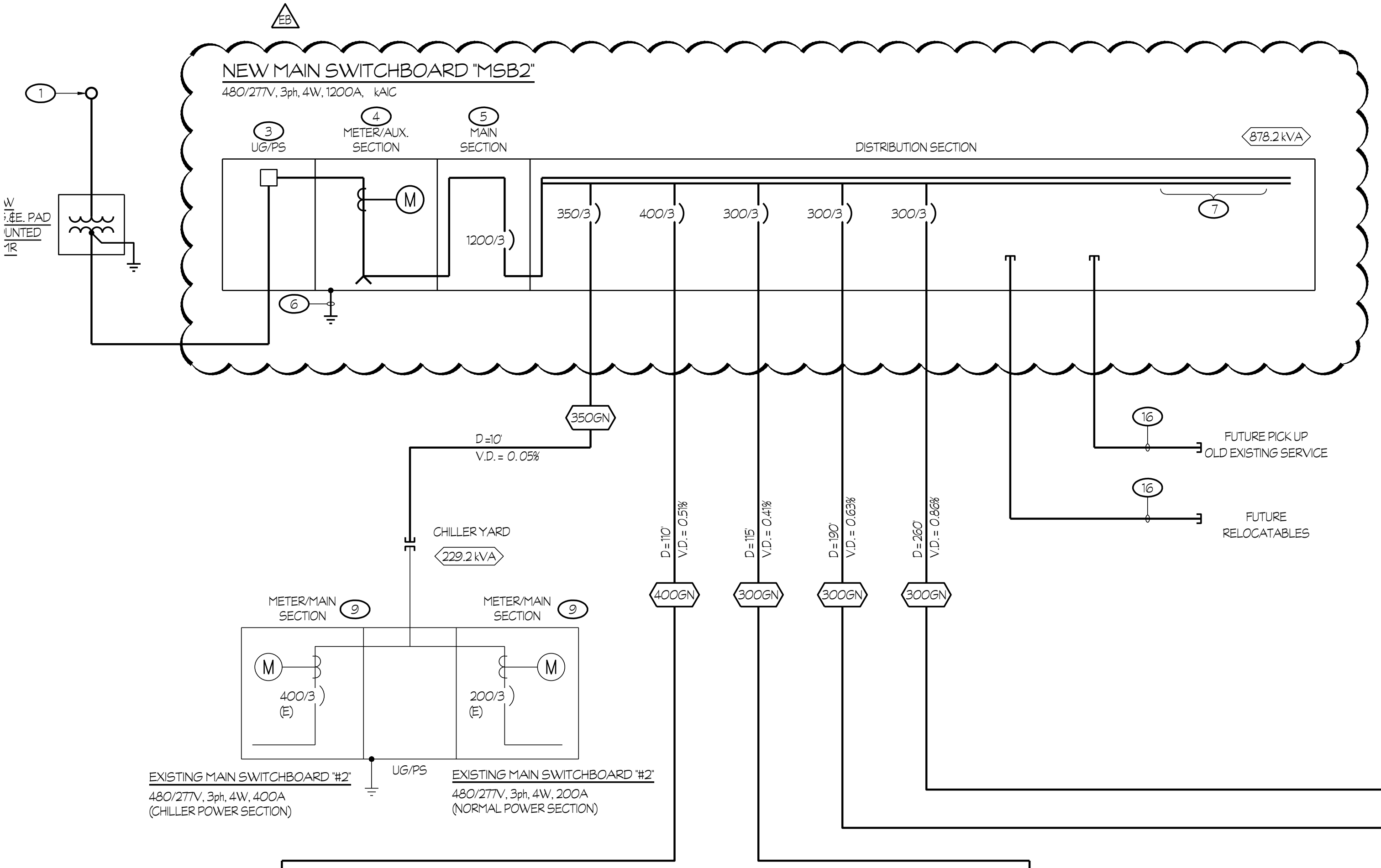
MAXIMUM DEMAND PER P.G. & E. RECORDS	114.6 kVA
PLUS DEMAND FACTOR PER C.E.C. 220.35	28.7 kVA
SUB-TOTAL	143.3 kVA
NEW 'CONNECTED' LOAD BEING ADDED	649.0 kVA
BUILDINGS A,C,D,E	300 kVA
H.V.A.C. x125%	349 kVA
SUB-TOTAL	792.3 kVA
AT 480/277V 3PH 4W	853 AMP

THEREFORE, THE NEW 1200 AMP MAIN SWITCHBOARD IS SUFFICIENT.

- NOTES (THIS SHEET ONLY):**
- EXISTING P.G. & E. POWER POLE. VERIFY EXACT LOCATION AND RISER QUADRANT WITH P.G. & E. PRIOR TO ROUGH-IN.
 - PROVIDE A 106" x 90" CONCRETE PAD (STYLE 11 E) AND GROUNDING FOR P.G. & E. PAD MOUNTED TRANSFORMER PER P.G. & E. REQUIREMENTS.
 - PROVIDE LANDING LUGS PER P.G. & E. REQUIREMENTS.
 - PROVIDE METERING FACILITIES PER P.G. & E. REQUIREMENTS.
 - MAIN CIRCUIT BREAKER SHALL BE 100% RATED ELECTRONIC TYPE, EQUIPPED WITH LONG-TIME, SHORT-TIME, INSTANTANEOUS-OFF TYPE AND GROUND FAULT TYPE CONFIGURATIONS. MAIN CIRCUIT BREAKER SHALL ALSO BE EQUIPPED WITH A TRIP INDICATOR AND LOCAL CURRENT METER. SQUARE D HRK SERIES OR EQUAL.
 - 1#3/0 TO GROUNDING ELECTRODE SYSTEM PER DETAIL #12/ES.00
 - PROVIDE WITH SPACE AND MOUNTING HARDWARE FOR MINIMUM (6) 400A FRAMES.
 - REFER TO PANEL SCHEDULE ON SHEET E4.02 FOR ADDITIONAL INFORMATION. TYPICAL FOR NEW PANELS SHOWN.
 - DISCONNECT EXISTING NEUTRAL - GROUND LINK AND RECONNECT TO NEW GROUND + NEUTRAL CONDUCTORS AS REQUIRED.
 - EP ----- DENOTES EXISTING FEEDER AND/OR SPARE CONDUIT(S) SHALL REMAIN, UNLESS OTHERWISE NOTED.
 - EXISTING 3" CONDUIT, NEW CONDUCTORS PER FEEDER SCHEDULE.
 - EXISTING 2" CONDUIT, NEW CONDUCTORS PER FEEDER SCHEDULE.
 - EXISTING 4" CONDUIT, NEW CONDUCTORS PER FEEDER SCHEDULE.
 - PROVIDE WITH SPACE AND MOUNTING HARDWARE FOR MINIMUM (4) 100A FRAMES.
 - 1#1/0 TO GROUNDING ELECTRODE SYSTEM PER DETAIL #13/ES.00
 - 2" CONDUIT FOR FUTURE USE.

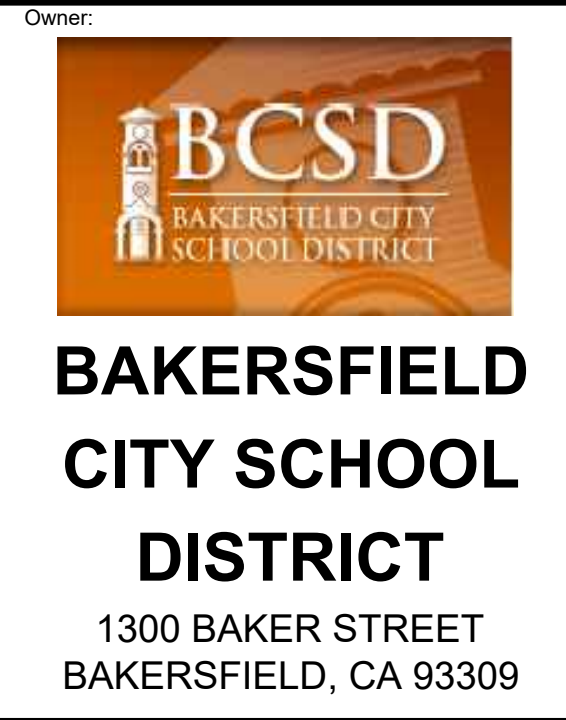
NEW FEEDER SCHEDULE:
(ALL UNDERGROUND CONDUCTORS OF A 480/277V POWER SYSTEM SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR, SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER.)

AC	3/4" C - 3 #12 + 1 #12 GND.
1000N	1 1/2" C - 4 #2 + 1 #8 GND.
1250N	1 1/2" C - 4 #2 + 1 #8 GND.
1500	1 1/2" C - 3 #1 + 1 #6 GND.
1750	2" C - 3 #2/0 + 1 #6 GND.
2250N	2 1/2" C - 4 #4/0 + 1 #6 GND.
3000N	3" C - 4 #250kcmil + 1 #4 GND.
3500N	3" C - 4 #350kcmil + 1 #2 GND.
4000N	4" C - 4 #500kcmil + 1 #2 GND.
250	3/4" C - 3 #10 + 1 #10 GND.
300	3/4" C - 3 #10 + 1 #10 GND.
DE	3" C - 4 #1 + 4 #2 + 1 #6 GND.
FG	3" C - 6 #2 + 1 #6 GND.
D	1 1/2" C - 4 #1 + 1 #6 GND.
F	1 1/2" C - 3 #2 + 1 #6 GND.



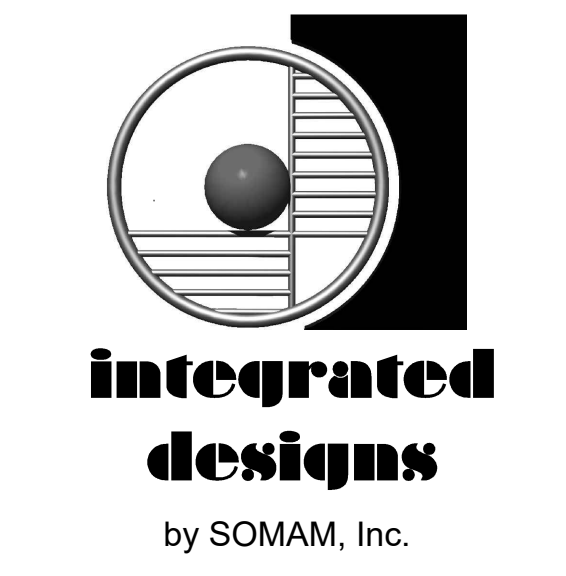
1 NEW ONE LINE DIAGRAM

SCALE: NTS



CENTRAL PLANT REPLACEMENT

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Sheet Title:
NEW ONE LINE DIAGRAM

Job No.: **5524**

Sheet No.: **E4.01**

Release: DSA BACKCHECK Issue Date: 11-18-2022

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120/208V, 3 PH, 4 W 225 A. BUSSING 225 A. MAIN BKR. 42 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	15/1	500			(E) LOAD	(E) LOAD			500	15/1	2		
3	15/1		500		(E) LOAD	(E) LOAD		500		15/1	4		
5	15/1			500	(E) LOAD	(E) LOAD	500			15/1	6		
7	15/1	500			(E) LOAD	(E) LOAD			500	15/1	8		
9	15/1		500		(E) LOAD	(E) LOAD		500		15/1	10		
11	15/1			500	(E) LOAD	(E) LOAD			500	15/1	12		
13	15/1	500			(E) LOAD	(E) LOAD			500	15/1	14		
15	15/1		500		(E) LOAD	(E) LOAD		500		15/1	16		
17	15/1			500	(E) LOAD	(E) LOAD			500	15/1	18		
19	15/1	500			(E) LOAD	(E) LOAD			500	15/1	20		
21	15/1		500		(E) LOAD	(E) LOAD		500		15/1	22		
23	15/1			500	(E) LOAD	(E) LOAD			500	15/1	24		
25	15/1	500			(E) LOAD	(E) LOAD			500	15/1	26		
27	15/1		500		(E) LOAD	(E) LOAD		500		15/1	28		
29	15/1			500	(E) LOAD	(E) LOAD			500	15/1	30		
31	15/1	500			(E) LOAD	(E) LOAD			500	15/1	32		
33	20/1		1000		(E) LOAD	(E) LOAD		1000		15/1	34		
35	25/2			1664	ODU A-1	FIRE ALARM "P.E.P."	500			20/1	36		
37		1664			SPACE	SPACE					38		
39					SPACE	SPACE					40		
41					SPACE	SPACE					42		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	7664	7000	7164	
25% LCL/LML (VA):	0	0	0	0	0	0	
TOTAL LOAD (VA):	7664	7000	7164	2188	VA		
TOTAL LOAD (AMPS):	63.9	58.3	59.7				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			720	RECEPT - TEACHER WALL	LIGHTS	516			20/1	6		
7	20/1	600			AIR PURIFIER	SPARE				20/1	8		
9	20/1		600		AIR PURIFIER	SPARE				20/1	10		
11	20/1			600	AIR PURIFIER	SPARE				20/1	12		
13	15/1	1000			RECEPT -	RECEPT -			1000	15/1	14		
15	15/1		1000		RECEPT -	RECEPT -		1000		15/1	16		
17	15/1			1000	RECEPT -	RECEPT -			1000	15/1	18		
19	15/1	1000			RECEPT -	RECEPT -			1500	20/3	20		
21	15/1		1000		RECEPT -	EXISTING - EQUIP.		1500			22		
23	15/1			1000	RECEPT -	RECEPT -			1500		24		
25	15/1	1000			RECEPT -	SPACE					26		
27	15/2		800		EXISTING - EQUIP.	EXISTING PANEL				40/2	28		
29				800	EXISTING - EQUIP.	EXISTING PANEL					30		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	7336	7136	7136	
25% LCL/LML (VA):	129	129	129				
TOTAL LOAD (VA):	7465	7265	7265	21995	VA		
TOTAL LOAD (AMPS):	62.2	60.5	60.5				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			600	AIR PURIFIER	LIGHTS	406			20/1	6		
7	20/1	600			AIR PURIFIER	SPARE				20/1	8		
9	20/1		600		AIR PURIFIER	SPARE				20/1	10		
11	20/1			500	MECHANICAL CONTROLS	RECEPT - WP ON ROOF	1080			20/1	12		
13	15/1	1000			RECEPT -	RECEPT -			1000	15/1	14		
15	15/1		1000		RECEPT -	RECEPT -		1000		15/1	16		
17	15/1			1000	RECEPT -	RECEPT -			1000	15/1	18		
19	15/1	1000			RECEPT -	RECEPT -			1500	20/3	20		
21	20/1				FIRE ALARM "P.E.P.-2"	EXISTING - EQUIP.		1900			22		
23	20/1				SPARE	RECEPT -			1500		24		
25	20/1				SPARE	SPACE					26		
27	15/2				EXISTING - EQUIP.	SPACE					28		
29					EXISTING - EQUIP.	SPACE					30		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	6336	5336	6086	
25% LCL/LML (VA):	129	129	102				
TOTAL LOAD (VA):	6465	5465	6188	18118	VA		
TOTAL LOAD (AMPS):	53.9	45.5	51.6				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			720	RECEPT - TEACHER WALL	LIGHTS	516			20/1	6		
7	20/1	600			AIR PURIFIER	SPARE				20/1	8		
9	20/1		600		AIR PURIFIER	SPARE				20/1	10		
11	20/1			600	AIR PURIFIER	SPARE				20/1	12		
13	15/1	1000			RECEPT -	RECEPT -			1000	15/1	14		
15	15/1		1000		RECEPT -	RECEPT -		1000		15/1	16		
17	15/1			1000	RECEPT -	RECEPT -			1000	15/1	18		
19	15/1	1000			RECEPT -	RECEPT -			1500	20/3	20		
21	15/1		1000		RECEPT -	EXISTING - EQUIP.		1500			22		
23	15/1			1000	RECEPT -	RECEPT -			1500		24		
25	15/1	1000			RECEPT -	SPACE					26		
27	15/2		800		EXISTING - EQUIP.	SPACE					28		
29				800	EXISTING - EQUIP.	SPACE					30		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	7336	7136	7136	
25% LCL/LML (VA):	129	129	129				
TOTAL LOAD (VA):	7465	7265	7265	21995	VA		
TOTAL LOAD (AMPS):	62.2	60.5	60.5				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			600	AIR PURIFIER	LIGHTS	406			20/1	6		
7	20/1				SPARE	SPARE				20/1	8		
9	20/1	600			AIR PURIFIER	SPARE				20/1	10		
11	20/1			500	MECHANICAL CONTROLS	RECEPT - WP ON ROOF	1080			20/1	12		
13	15/1	1000			RECEPT -	RECEPT -			1000	15/1	14		
15	15/1		1000		RECEPT -	RECEPT -		1000		15/1	16		
17	15/1			1000	RECEPT -	RECEPT -			1000	15/1	18		
19	15/1	1000			RECEPT -	RECEPT -			1500	20/3	20		
21	20/1				SPARE	EXISTING - EQUIP.		1500			22		
23	20/1				SPARE	RECEPT -			1500		24		
25	20/1				SPARE	SPACE					26		
27	15/2				EXISTING - EQUIP.	SPACE					28		
29					EXISTING - EQUIP.	SPACE					30		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	5736	5336	6086	
25% LCL/LML (VA):	129	129	102				
TOTAL LOAD (VA):	5865	5465	6188	17518	VA		
TOTAL LOAD (AMPS):	48.9	45.5	51.6				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			720	RECEPT - TEACHER WALL	LIGHTS	516			20/1	6		
7	20/1	600			AIR PURIFIER	SPARE				20/1	8		
9	20/1		600		AIR PURIFIER	SPARE				20/1	10		
11	20/1			600	AIR PURIFIER	SPARE				20/1	12		
13	15/1	1000			RECEPT -	RECEPT -			1000	15/1	14		
15	15/1		1000		RECEPT -	RECEPT -		1000		15/1	16		
17	15/1			1000	RECEPT -	RECEPT -			1000	15/1	18		
19	15/1	1000			RECEPT -	RECEPT -			1500	20/3	20		
21	15/1		1000		RECEPT -	EXISTING - EQUIP.		1500			22		
23	15/1			1000	RECEPT -	RECEPT -			1500		24		
25	15/1	1000			RECEPT -	SPACE					26		
27	15/2		800		EXISTING - EQUIP.	SPACE					28		
29				800	EXISTING - EQUIP.	SPACE					30		

LOAD SUMMARY				TOTAL CALCULATED			
CONNECTED LOAD (VA):	A	B	C	7336	7136	7136	
25% LCL/LML (VA):	129	129	129				
TOTAL LOAD (VA):	7465	7265	7265	21995	VA		
TOTAL LOAD (AMPS):	62.2	60.5	60.5				

120/208V, 3 PH, 4 W 100 A. BUSSING MAIN LUG ONLY 30 CIRCUIT										10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH FLUSH MOUNTING PER #6/E5.00			
Ckt	BKR	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			Ckt			
		A	B	C			C	B	A				
1	20/1	720			RECEPT - TEACHER WALL	LIGHTS			516	20/1	2		
3	20/1		720		RECEPT - TEACHER WALL	LIGHTS		516		20/1	4		
5	20/1			600	AIR PURIFIER	LIGHTS	406			20/1	6		
7	20/1				SPARE	SPARE				20/1	8		
9	20/1	600			AIR PUR								