



**MENDOCINO COUNTY EXECUTIVE OFFICE-FACILITIES & FLEET DIVISION
REQUEST FOR BIDS (RFB)**

BID No.: 35-19
JOB/PROJECT DESCRIPTION: Jail Building II HVAC
Emergency Power Intersect
ISSUE DATE: 9-19-2019
DUE DATE: 10-10-2019

PROJECT DESCRIPTION

Mendocino County is seeking bids from General Building or Electrical contractors to complete the Emergency Power Intersect for the HVAC Equipment on the Jail Building II located at 975 Low Gap Road, Ukiah CA. Sealed bids will be accepted at the Executive Office - Facilities and Fleet Division at 851 Low Gap Road, Ukiah, until 2:00 p.m. on October 10, 2019.

REQUIRED LICENSING

CSLB License Code:	C10
License Description:	Electrical
*CSLB License No.:	
*License Expiration Date:	
*State of California DIR Registration No.:	
+County of Mendocino Business License No.:	

+At the time of contract award, all contractors who are not exempt, and do not already have a Mendocino County Business License, shall apply for one which shall be obtained prior to contractor's work performance.

PAYMENT & PERFORMANCE BONDS

Payment and Performance Bonds are required for any Contracts in excess of \$25,000.

- *The Cost of these Bonds is included in this Bid. Yes No
*The Contractor is bondable and will provide bonds upon notice of award. Yes No

AWARD OR REJECTION OF BIDS

The contract shall be awarded to the lowest responsive and responsible bidder complying with the instructions set forth on this RFB form, provided the bid is deemed reasonable and in the best interest of the County of Mendocino.

TIME OF COMPLETION

Bidder agrees to commence work on or before a date to be specified and to fully complete the project within Sixty (60) calendar days.

PROJECT WALK-THROUGH

	<input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Non-Mandatory
Walk-Through Location:	Sheriff's Office; 951 Low Gap Road, Ukiah, CA
Date and Time:	Monday September 30, 2019; 9:00 AM

SCOPE OF WORK

Provide a new emergency power intersect connection for the roof top HVAC systems on the Jail Building II, in accordance with this Request for Bids (RFB) including Sheet 1 Cover Page and 1st Floor plan, Sheet 2 Scope of Work and 2nd Floor Plan and Specifications section 16050 – Basic Electrical attached hereto. Contractor is responsible for fulfilling the Mendocino County Building permit requirements for the completion of the work.

FOR MORE INFORMATION

For additional details and information, contact Doug Anderson, Facilities and Fleet Division, at (707) 234-6054. Visit us online at <https://www.mendocinocounty.org/government/executive-office/open-rfp-quotes-bids>



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BID

*Total Bid Price: _____ (\$ _____)

ADDENDUM ACKNOWLEDGMENT

*I have received the following addendum pertaining to the bid and they are included as part of my bid.
Addendum Numbers: _____

***FIELDS MUST BE COMPLETED BY CONTRACTOR**

THIS FORM MUST BE COMPLETED, SIGNED AND DATED FOR YOUR BID TO BE VALID

Print Name:	
Address:	
Company:	
E-Mail:	
Phone:	

SIGNATURE: _____

DATE: _____

ATTACHMENT A

GENERAL PROVISIONS

1. CONTRACT DOCUMENTS

The contract documents shall consist of the County's standard form contract as well as this Request for Bids, all documents listed in the above SCOPE of WORK section, all addenda issued prior to bid and information provided at any mandatory pre-bid walkthrough. As a public project, applicable provisions of the California Public Contract code shall apply, as does the California State Labor Code, the federal Davis Bacon Act and the Americans with Disabilities Act of 1990. Regardless of any information presented to the contrary, all work shall comply with the California Building Code, Mendocino County Building Code, Title 24 and any referenced code standards required in the jurisdiction where the work shall take place. A copy of the County's standard form contract will be furnished to bidders upon request.

2. BIDDING REQUIREMENTS

To be considered for award, the bid form must be completed in its entirety. Successful responses must include the contractor's license number and expiration date, valid DIR registration number, the bid price in words and numbers, acknowledgement of all addenda issued by the County for this project, the bidders signature, the date signed, the bidder's printed name, and the company name and address under which the contractor's license is issued. Any missing information or invalid license or registration information will be grounds for disqualification. All correspondence will be by US mail unless the contractor provides the email or phone information requested. The County of Mendocino reserves the right to reject any and all bids, to waive any informality in the bids, and to accept the responsive and responsible bid that appears to be in the best interest of the County of Mendocino.

3. SUBMISSION OF BIDS

Bids must be received by the due date and time at the location specified above. Post marks do not count. Bids and modifications or corrections

thereof received after the closing time specified above will not be considered. Quotations will not be accepted via email, telephone or facsimile unless specifically authorized within the contract documents.

4. PRODUCTS

Unless otherwise stated, the use of the name or a manufacturer, or of any special brand or make in describing any item contained in these plans and specifications does not restrict bidders to that manufacturer's specific article with the exception of carpet, tile, and paint (the County must adhere to a specific brand/style of carpet, tile, and paint which will be specified within the Scope of Work). The manufacturer, brand and products named are used simply to indicate the character or quality of the article desired. The equipment on which proposals are submitted must be acceptable as equal in character, quality, and utility to brand and/or make indicated herein. The selected contractor will be required to comply with all submittal requirements in the contract documents where it will be the contractor's burden to demonstrate that the submitted product is equal to that specified. The decision of the County will be final.

5. TAXES and FEES

All bids shall include required California State sales tax, freight and shipping costs to the project site, and all licensing, registration, permits and application fees required to complete the work. The County will secure planning and building approvals and is exempt from building permit fees. Encroachment permits and public works inspections and fees are the responsibility of the contractor.

All contractors must have a Mendocino County Business License (MCBL), as required by Mendocino County Code Chapter 6.04, to work on this contract. At the time of contract award, all contractors who are not exempt and do not already have a MCBL shall apply for one, which shall be obtained prior to performance of any work by that contractor.

The contractor/bidder is responsible for ensuring that all of its non-exempt subcontractors have a valid MCBL.

fifteen (15) calendar days after being notified in writing by County, Contractor authorizes County to proceed to have said defects repaired and made good at Contractor's expense. Contractor shall honor and pay the costs and charges therefore upon demand.

6. SAMPLES

Samples of items, when required, must be furnished free of expense to the County of Mendocino and if not destroyed by tests will, upon request, be returned at the bidder's expense. Samples of selected items may be retained for comparison.

7. ADDENDA/RFI

Addenda will be issued by the County, as required, to clarify the bidding documents and in response to bidder's questions. Addenda questions must be submitted at least 10 days prior to bid opening to be included in the addendum. Requests for Information may be forwarded to the County to provide written notice of discrepancies in the contract documents or conditions differing from those represented in the documents or observable at the time of bid.

8. CHANGES

The contractor shall secure written authorization before proceeding with any additional work, whether requested by the County or required to complete the contract. The cost for any changes to the contract price, whether requested by the County or the Contractor will be approved only after submitting the contractor's true costs for the work and related equipment costs and site expenses. The final change order price may include a fee for administrative overhead and profit not to exceed 15%.

8. CONTRACTOR GUARANTEE

Contractor hereby guarantees that the labor and material furnished for this project is in accordance with the drawings and specifications. Contractor agrees to repair or replace any or all of the work, together with any other adjacent work which may be displaced in so doing, that may prove to be defective in its workmanship or material within a period of ONE (1) YEAR from date of acceptance of the above named project by County without any expense whatsoever to County, ordinary wear and tear and unusual abuse or neglect excepted. In the event of Contractor's failure to comply with the above-mentioned conditions within

ATTACHMENT B
PUBLIC PROJECT PROVISIONS
(CONTRACT EXHIBIT E)

CONTRACTOR shall additionally comply with the following provisions in carrying out this AGREEMENT.

1. **COMPLIANCE WITH COUNTY POLICIES:** The CONTRACTOR shall comply with the various policies regarding the preservation of our natural resources which may impose specific requirements on the CONTRACTOR.
 - a. The Storm Water Management Program includes specific requirements for grading and construction projects within the County including the implementation of Best Management Practices (BMP) to prevent the discharge of construction waste, debris, sediment, or contamination from entering the storm drainage system or natural waterways. For more information, refer to the following web page of the County Department of Planning and Building Services:
<http://www.co.mendocino.ca.us/planning/stormwater.htm>
 - b. The CONTRACTOR shall be responsible for purchasing products that minimize environmental impacts, toxics, pollution, hazards to workers, and community safety to the greatest extent practicable. The CONTRACTOR shall also be responsible for the purchasing of products that include recycled content, are durable and long-lasting, conserve energy and water, use agricultural fibers and residues, reduce greenhouse gas emissions, use unbleached or chlorine free manufacturing processes, and are lead-free and mercury-free.
 - c. Waste Stream Reduction goals include programs to maximize the salvage and recycling of demolition and construction debris and document waste stream diversion. For more information refer to the Construction and Demolition Forms handout on the following web page of the County Department of Planning and Building Services:
<http://www.co.mendocino.ca.us/planning/Apps.htm>.
2. **MSDS SHEETS:** The CONTRACTOR must present to the COUNTY all Material Safety Data Sheets for all materials used in all phases of the project prior to beginning work. No materials, other than those that have MSDS sheets, shall be permitted on the COUNTY premises.
3. **PAYMENT OF PREVAILING WAGES:** Pursuant to the provisions of the Labor Code of the State of California, the Department of Industrial Relations has made a determination of the rate of per diem wages to be paid on the prevailing rate of pay for regular, holiday and overtime work in the locality in which the public work is to be performed, for each craft, classification, or type of workman needed to execute the contract. All County of Mendocino projects greater

than \$1,000 require that contractors adhere to Prevailing Wage requirements (California Labor Code, Sections 1770 through 1775). The rates can be found online here: <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>.

4. **CERTIFIED PAYROLL RECORDS:** Pursuant to Labor Code Section 1776, the CONTRACTOR and any or all subcontractors shall keep accurate payroll records. A certified copy of all payroll records for work performed under this contract shall be furnished upon request to a representative of the awarding body. Pursuant to Senate Bill 854 (Stats. 2014, chapter 28), the CONTRACTOR and subcontractors are required to furnish certified payroll reports directly to the Department of Industrial Relations.
5. **EMPLOYMENT OF APPRENTICES:** The CONTRACTOR and subcontractor performing work in an apprentice-able craft or trade shall comply with Section 1777.5 relating to Apprentices on public works projects.
6. **LABOR CODE SECTION 1771.1(a).** The CONTRACTOR, on behalf of itself and all subcontractors performing work under this agreement, certifies that it is aware of the requirements of Labor Code Section 1771.1(a), which is restated below, and has provided proof of the CONTRACTOR and all subcontractors' current registration to perform public work pursuant to Labor Code Section 1725.5.

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 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.

7. This project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations.

ATTACHMENT C
SAMPLE CONTRACT DOCUMENTATION
(INCLUDING EXHIBITS A THROUGH D)

COUNTY OF MENDOCINO
STANDARD SERVICES AGREEMENT

This Agreement is by and between the COUNTY OF MENDOCINO, hereinafter referred to as the "COUNTY", and _____, hereinafter referred to as the "CONTRACTOR".

WITNESSETH

WHEREAS, pursuant to Government Code Section 31000, COUNTY may retain independent contractors to perform special services to or for COUNTY or any department thereof; and,

WHEREAS, COUNTY desires to obtain CONTRACTOR for its [Services]; and,

WHEREAS, CONTRACTOR is willing to provide such services on the terms and conditions set forth in this AGREEMENT and is willing to provide same to COUNTY.

NOW, THEREFORE it is agreed that COUNTY does hereby retain CONTRACTOR to provide the services described in Exhibit "A", and CONTRACTOR accepts such engagement, on the General Terms and Conditions hereinafter specified in this Agreement, the Additional Provisions attached hereto, and the following described exhibits, all of which are incorporated into this Agreement by this reference:

- Exhibit A Definition of Services
- Exhibit B Payment Terms
- Exhibit C Insurance Requirements
- Exhibit D Mendocino County ePayables Information

The term of this Agreement shall be from the date this Agreement becomes fully executed by all parties (the "Effective Date"), and shall continue through _____, 20 .

The compensation payable to CONTRACTOR hereunder shall not exceed [Spelled out Contract Amount] (\$[Numerical Amount]) for the term of this Agreement.

IN WITNESS WHEREOF

DEPARTMENT FISCAL REVIEW:

DEPARTMENT HEAD _____ DATE _____

Budgeted: Yes No

Budget Unit: _____

Line Item: _____

Grant: Yes No

Grant No.: _____

CONTRACTOR/COMPANY NAME

By: _____

Date: _____

NAME AND ADDRESS OF CONTRACTOR:

INSURANCE REVIEW:

By: _____
Risk Management

Date: _____

By signing above, signatory warrants and represents that he/she executed this Agreement in his/her authorized capacity and that by his/her signature on this Agreement, he/she or the entity upon behalf of which he/she acted, executed this Agreement

EXECUTIVE OFFICE/FISCAL REVIEW:

By: _____
Deputy CEO

Date: _____

COUNTY COUNSEL REVIEW:

APPROVED AS TO FORM:

KATHARINE L. ELLIOTT,
County Counsel

By: _____
Deputy

Date: _____

Signatory Authority: \$0-25,000 Department; \$25,001- 50,000 Purchasing Agent; \$50,001+ Board of Supervisors
Exception to Bid Process Required/Completed _____
Mendocino County Business License: Valid
Exempt Pursuant to MCC Section: _____

GENERAL TERMS AND CONDITIONS

1. **INDEPENDENT CONTRACTOR:** No relationship of employer and employee is created by this Agreement; it being understood and agreed that CONTRACTOR is an Independent Contractor. CONTRACTOR is not the agent or employee of the COUNTY in any capacity whatsoever, and COUNTY shall not be liable for any acts or omissions by CONTRACTOR nor for any obligations or liabilities incurred by CONTRACTOR.

CONTRACTOR shall have no claim under this Agreement or otherwise, for seniority, vacation time, vacation pay, sick leave, personal time off, overtime, health insurance medical care, hospital care, retirement benefits, social security, disability, Workers' Compensation, or unemployment insurance benefits, civil service protection, or employee benefits of any kind.

CONTRACTOR shall be solely liable for and obligated to pay directly all applicable payroll taxes (including federal and state income taxes) or contributions for unemployment insurance or old age pensions or annuities which are imposed by any governmental entity in connection with the labor used or which are measured by wages, salaries or other remuneration paid to its officers, agents or employees and agrees to indemnify and hold County harmless from any and all liability which COUNTY may incur because of CONTRACTOR's failure to pay such amounts.

In carrying out the work contemplated herein, CONTRACTOR shall comply with all applicable federal and state workers' compensation and liability laws and regulations with respect to the officers, agents and/or employees conducting and participating in the work; and agrees that such officers, agents, and/or employees will be considered as Independent Contractors and shall not be treated or considered in any way as officers, agents and/or employees of COUNTY.

CONTRACTOR does, by this Agreement, agree to perform his/her said work and functions at all times in strict accordance with all applicable federal, state and County laws, including but not limited to prevailing wage laws, ordinances, regulations, titles, departmental procedures and currently approved methods and practices in his/her field and that the sole interest of COUNTY is to ensure that said service shall be performed and rendered in a competent, efficient, timely and satisfactory manner and in accordance with the standards required by the County agency concerned.

Notwithstanding the foregoing, if the COUNTY determines that pursuant to state and federal law CONTRACTOR is an employee for purposes of income tax withholding, COUNTY may upon two (2) week's written notice to CONTRACTOR, withhold from payments to CONTRACTOR hereunder federal and state income taxes and pay said sums to the federal and state governments.

2. **INDEMNIFICATION:** To the furthest extent permitted by law (including without limitation California Civil Code sections 2782 and 2782.8, if applicable), Contractor shall assume the defense of, indemnify, and hold harmless the COUNTY, its officers, agents, and employees, from and against any and all claims, demands, damages, costs, liabilities, and losses whatsoever alleged to be occurring or resulting in connection with the CONTRACTOR'S performance or its obligations under this AGREEMENT, unless arising out of the sole negligence or willful misconduct of COUNTY. "CONTRACTOR'S performance" includes CONTRACTOR'S action or inaction and the action or inaction of CONTRACTOR'S officers, employees, agents and subcontractors.
3. **INSURANCE AND BOND:** CONTRACTOR shall at all times during the term of the Agreement with the COUNTY maintain in force those insurance policies and bonds as designated in the attached Exhibit C, and will comply with all those requirements as stated therein.
4. **WORKERS' COMPENSATION:** CONTRACTOR shall provide Workers' Compensation insurance, as applicable, at CONTRACTOR's own cost and expense and further, neither the CONTRACTOR nor its carrier shall be entitled to recover from COUNTY any costs, settlements, or expenses of Workers' Compensation claims arising out of this Agreement.

CONTRACTOR affirms that s/he is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for the Workers' Compensation or to undertake self-insurance in accordance with the provisions of the Code and CONTRACTOR further assures that s/he will comply with such provisions before commencing the performance of work under this Agreement. CONTRACTOR shall furnish to COUNTY certificate(s) of insurance evidencing Worker's Compensation Insurance coverage to cover its employees, and CONTRACTOR shall require all subcontractors similarly to provide Workers' Compensation Insurance as required by the Labor Code of the State of California for all of subcontractors' employees.

5. **CONFORMITY WITH LAW AND SAFETY:**
 - a. In performing services under this Agreement, CONTRACTOR shall observe and comply with all applicable laws, ordinances, codes and regulations of governmental agencies, including federal, state, municipal, and local governing bodies, having jurisdiction over the scope of services, including all applicable provisions of the California Occupational Safety and Health Act. CONTRACTOR shall indemnify and hold COUNTY harmless from any and all liability, fines, penalties and consequences from any of CONTRACTOR's failures to comply with such laws, ordinances, codes and regulations.

- b. Accidents: If a death, serious personal injury or substantial property damage occurs in connection with CONTRACTOR's performance of this Agreement, CONTRACTOR shall immediately notify Mendocino County Risk Manager's Office by telephone. CONTRACTOR shall promptly submit to COUNTY a written report, in such form as may be required by COUNTY of all accidents which occur in connection with this Agreement. This report must include the following information: (1) name and address of the injured or deceased person(s); (2) name and address of CONTRACTOR's sub-contractor, if any; (3) name and address of CONTRACTOR's liability insurance carrier; and (4) a detailed description of the accident and whether any of COUNTY's equipment, tools, material, or staff were involved.
 - c. CONTRACTOR further agrees to take all reasonable steps to preserve all physical evidence and information which may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and to grant to the COUNTY the opportunity to review and inspect such evidence, including the scene of the accident.
6. PAYMENT: For services performed in accordance with this Agreement, payment shall be made to CONTRACTOR as provided in Exhibit "B" hereto as funding permits.

If COUNTY over pays CONTRACTOR for any reason, CONTRACTOR agrees to return the amount of such overpayment to COUNTY, or at COUNTY's option, permit COUNTY to offset the amount of such overpayment against future payments owed to CONTRACTOR under this Agreement or any other agreement.

In the event CONTRACTOR claims or receives payment from COUNTY for a service, reimbursement for which is later disallowed by COUNTY, State of California or the United States Government, the CONTRACTOR shall promptly refund the disallowance amount to COUNTY upon request, or at its option COUNTY may offset the amount disallowed from any payment due or that becomes due to CONTRACTOR under this Agreement or any other agreement.

All invoices, receipts, or other requests for payment under this contract must be submitted by CONTRACTOR to COUNTY in a timely manner and consistent with the terms specified in Exhibit B. In no event shall COUNTY be obligated to pay any request for payment for which a written request for payment and all required documentation was first received more than six (6) months after this Agreement has terminated, or beyond such other time limit as may be set forth in Exhibit B.

7. TAXES: Payment of all applicable federal, state, and local taxes shall be the sole responsibility of the CONTRACTOR.

8. **OWNERSHIP OF DOCUMENTS:** CONTRACTOR hereby assigns the COUNTY and its assignees all copyright and other use rights in any and all proposals, plans, specification, designs, drawings, sketches, renderings, models, reports and related documents (including computerized or electronic copies) respecting in any way the subject matter of this Agreement, whether prepared by the COUNTY, the CONTRACTOR, the CONTRACTOR's subcontractors or third parties at the request of the CONTRACTOR (collectively, "Documents and Materials"). This explicitly includes the electronic copies of all above stated documentation.

CONTRACTOR shall be permitted to retain copies, including reproducible copies and computerized copies, of said Documents and Materials. CONTRACTOR agrees to take such further steps as may be reasonably requested by COUNTY to implement the aforesaid assignment. If for any reason said assignment is not effective, CONTRACTOR hereby grants the COUNTY and any assignee of the COUNTY an express royalty – free license to retain and use said Documents and Materials. The COUNTY's rights under this paragraph shall apply regardless of the degree of completion of the Documents and Materials and whether or not CONTRACTOR's services as set forth in Exhibit "A" of this Agreement have been fully performed or paid for.

The COUNTY's rights under this Paragraph 8 shall not extend to any computer software used to create such Documents and Materials.

9. **CONFLICT OF INTEREST:** The CONTRACTOR covenants that it presently has no interest, and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of services required under this Agreement.
10. **NOTICES:** All notices, requests, demands, or other communications under this Agreement shall be in writing. Notices shall be given for all purposes as follows:

Personal delivery: When personally delivered to the recipient, notices are effective on delivery.

First Class Mail: When mailed first class to the last address of the recipient known to the party giving notice, notice is effective three (3) mail delivery days after deposit in a United States Postal Service office or mailbox. **Certified Mail:** When mailed certified mail, return receipt requested, notice is effective on receipt, if delivery is confirmed by a return receipt.

Overnight Delivery: When delivered by overnight delivery (Federal Express/Airborne/United Parcel Service/DHL WorldWide Express) with charges prepaid or charged to the sender's account, notice is effective on delivery, if delivery is confirmed by the delivery service.

Facsimile transmission: When sent by facsimile to the facsimile number of the recipient known to the party giving notice, notice is effective on receipt, provided that, (a) a duplicate copy of the notice is promptly given by first-class or certified mail or by overnight delivery, or (b) the receiving party delivers a written confirmation of receipt. Any notice given facsimile shall be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.

Addresses for purpose of giving notice are as follows:

To COUNTY: COUNTY OF MENDOCINO

Ukiah, CA 95482

Attn:

To CONTRACTOR: [Name of Contractor]
[Number and Street]
[City, State, Zip Code]
ATTN:

Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified shall be deemed effective as of the first date that said notice was refused, unclaimed, or deemed undeliverable by the postal authorities, messenger, or overnight delivery service.

Any party may change its address or facsimile number by giving the other party notice of the change in any manner permitted by this Agreement.

11. USE OF COUNTY PROPERTY: CONTRACTOR shall not use County property (including equipment, instruments and supplies) or personnel for any purpose other than in the performance of his/her obligations under this Agreement.
12. EQUAL EMPLOYMENT OPPORTUNITY PRACTICES PROVISIONS: CONTRACTOR certifies that it will comply with all Federal, State, and local laws, rules and regulations pertaining to nondiscrimination in employment.
 - a. CONTRACTOR shall, in all solicitations or advertisements for applicants for employment placed as a result of this Agreement, state that it is an "Equal Opportunity Employer" or that all qualified applicants will receive consideration for employment without regard to their race, creed, color, pregnancy, disability, sex, sexual orientation, gender identity, ancestry, national origin, age, religion, Veteran's status, political affiliation, or any other factor prohibited by law.

- b. CONTRACTOR shall, if requested to so do by the COUNTY, certify that it has not, in the performance of this Agreement, engaged in any unlawful discrimination.
 - c. If requested to do so by the COUNTY, CONTRACTOR shall provide the COUNTY with access to copies of all of its records pertaining or relating to its employment practices, except to the extent such records or portions of such records are confidential or privileged under State or Federal law.
 - d. Nothing contained in this Agreement shall be construed in any manner so as to require or permit any act which is prohibited by law.
 - e. The CONTRACTOR shall include the provisions set forth in this paragraph in each of its subcontracts.
13. DRUG-FREE WORKPLACE: CONTRACTOR and CONTRACTOR's employees shall comply with the COUNTY's policy of maintaining a drug-free workplace. Neither CONTRACTOR nor CONTRACTOR's employees shall unlawfully manufacture, distribute, dispense, possess or use controlled substances, as defined in 21 U.S. Code § 812, including, but not limited to, marijuana, heroin, cocaine, and amphetamines, at any COUNTY facility or work site. If CONTRACTOR or any employee of CONTRACTOR is convicted or pleads *nolo contendere* to a criminal drug statute violation occurring at a County facility or work site, the CONTRACTOR, within five days thereafter, shall notify the head of the County department/agency for which the contract services are performed. Violation of this provision shall constitute a material breach of this Agreement.
14. ENERGY CONSERVATION: CONTRACTOR agrees to comply with the mandatory standards and policies relating to energy efficiency in the State of California Energy Conservation Plan, (Title 24, California Administrative Code).
15. COMPLIANCE WITH LICENSING REQUIREMENTS: CONTRACTOR shall comply with all necessary licensing requirements and shall obtain appropriate licenses. To the extent required by law, CONTRACTOR shall display licenses in a location that is reasonably conspicuous. Upon COUNTY's request, CONTRACTOR shall file copies of same with the County Executive Office.

CONTRACTOR represents and warrants to COUNTY that CONTRACTOR and its employees, agents, and any subcontractors have all licenses, permits, qualifications, and approvals of whatsoever nature that are legally required to practice their respective professions.

16. AUDITS; ACCESS TO RECORDS: The CONTRACTOR shall make available to the COUNTY, its authorized agents, officers, or employees, for examination any and all ledgers, books of accounts, invoices, vouchers, cancelled checks, and

other records or documents evidencing or relating to the expenditures and disbursements charged to the COUNTY, and shall furnish to the COUNTY, within sixty (60) days after examination, its authorized agents, officers or employees such other evidence or information as the COUNTY may require with regard to any such expenditure or disbursement charged by the CONTRACTOR.

The CONTRACTOR shall maintain full and adequate records in accordance with County requirements to show the actual costs incurred by the CONTRACTOR in the performance of this Agreement. If such books and records are not kept and maintained by CONTRACTOR within the County of Mendocino, California, CONTRACTOR shall, upon request of the COUNTY, make such books and records available to the COUNTY for inspection at a location within County or CONTRACTOR shall pay to the COUNTY the reasonable, and necessary costs incurred by the COUNTY in inspecting CONTRACTOR's books and records, including, but not limited to, travel, lodging and subsistence costs. CONTRACTOR shall provide such assistance as may be reasonably required in the course of such inspection. The COUNTY further reserves the right to examine and reexamine said books, records and data during the four (4) year period following termination of this Agreement or completion of all work hereunder, as evidenced in writing by the COUNTY, and the CONTRACTOR shall in no event dispose of, destroy, alter, or mutilate said books, records, accounts, and data in any manner whatsoever for four (4) years after the COUNTY makes the final or last payment or within four (4) years after any pending issues between the COUNTY and CONTRACTOR with respect to this Agreement are closed, whichever is later.

17. **DOCUMENTS AND MATERIALS:** CONTRACTOR shall maintain and make available to COUNTY for its inspection and use during the term of this Agreement, all Documents and Materials, as defined in Paragraph 8 of this Agreement. CONTRACTOR's obligations under the preceding sentence shall continue for four (4) years following termination or expiration of this Agreement or the completion of all work hereunder (as evidenced in writing by COUNTY), and CONTRACTOR shall in no event dispose of, destroy, alter or mutilate said Documents and Materials, for four (4) years following the COUNTY's last payment to CONTRACTOR under this Agreement.
18. **TIME OF ESSENCE:** Time is of the essence in respect to all provisions of this Agreement that specify a time for performance; provided, however, that the foregoing shall not be construed to limit or deprive a party of the benefits of any grace or use period allowed in this Agreement.
19. **TERMINATION:** The COUNTY has and reserves the right to suspend, terminate or abandon the execution of any work by the CONTRACTOR without cause at any time upon giving to the CONTRACTOR notice. Such notice shall be in writing and may be issued by any county officer authorized to execute or amend the contract, the County Chief Executive Officer, or any other person designated by the County Board of Supervisors. In the event that the COUNTY should

abandon, terminate or suspend the CONTRACTOR's work, the CONTRACTOR shall be entitled to payment for services provided hereunder prior to the effective date of said suspension, termination or abandonment. Said payment shall be computed in accordance with Exhibit B hereto, provided that the maximum amount payable to CONTRACTOR for its [Services] shall not exceed \$[Contract Amount] payment for services provided hereunder prior to the effective date of said suspension, termination or abandonment or lack of funding.

20. NON APPROPRIATION: If COUNTY should not appropriate or otherwise make available funds sufficient to purchase, lease, operate or maintain the products set forth in this Agreement, or other means of performing the same functions of such products, COUNTY may unilaterally terminate this Agreement only upon thirty (30) days written notice to CONTRACTOR. Upon termination, COUNTY shall remit payment for all products and services delivered to COUNTY and all expenses incurred by CONTRACTOR prior to CONTRACTOR'S receipt of the termination notice.
21. CHOICE OF LAW: This Agreement, and any dispute arising from the relationship between the parties to this Agreement, shall be governed by the laws of the State of California, excluding any laws that direct the application of another jurisdiction's laws.
22. VENUE: All lawsuits relating to this contract must be filed in Mendocino County Superior Court, Mendocino County, California.
23. WAIVER: No waiver of a breach, failure of any condition, or any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right or remedy. No waiver of any breach, failure, right or remedy shall be deemed a waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.
24. ADVERTISING OR PUBLICITY: CONTRACTOR shall not use the name of County, its officers, directors, employees or agents, in advertising or publicity releases or otherwise without securing the prior written consent of COUNTY in each instance.
25. ENTIRE AGREEMENT: This Agreement, including all attachments, exhibits, and any other documents specifically incorporated into this Agreement, shall constitute the entire agreement between COUNTY and CONTRACTOR relating to the subject matter of this Agreement. As used herein, Agreement refers to and includes any documents incorporated herein by reference and any exhibits or attachments. This Agreement supersedes and merges all previous understandings, and all other agreements, written or oral, between the parties and sets forth the entire understanding of the parties regarding the subject matter thereof. This Agreement may not be modified except by a written document

signed by both parties. In the event of a conflict between the body of this Agreement and any of the Exhibits, the provisions in the body of this Agreement shall control.

26. HEADINGS: Herein are for convenience of reference only and shall in no way affect interpretation of this Agreement.
27. MODIFICATION OF AGREEMENT: This Agreement may be supplemented, amended or modified only by the mutual agreement of the parties. No supplement, amendment or modification of this Agreement shall be binding unless it is in writing and signed by authorized representatives of both parties.
28. ASSURANCE OF PERFORMANCE: If at any time the COUNTY has good objective cause to believe CONTRACTOR may not be adequately performing its obligations under this Agreement or that CONTRACTOR may fail to complete the Services as required by this Agreement, COUNTY may request from CONTRACTOR prompt written assurances of performance and a written plan acceptable to COUNTY, to correct the observed deficiencies in CONTRACTOR's performance. CONTRACTOR shall provide such written assurances and written plan within thirty (30) calendar days of its receipt of COUNTY's request and shall thereafter diligently commence and fully perform such written plan. CONTRACTOR acknowledges and agrees that any failure to provide such written assurances and written plan within the required time is a material breach under this Agreement.
29. SUBCONTRACTING/ASSIGNMENT: CONTRACTOR shall not subcontract, assign or delegate any portion of this Agreement or any duties or obligations hereunder without the COUNTY's prior written approval.
 - a. Neither party shall, on the basis of this Agreement, contract on behalf of or in the name of the other party. Any agreement that violates this Section shall confer no rights on any party and shall be null and void.
 - b. Only the department head or his or her designee shall have the authority to approve subcontractor(s).
 - c. CONTRACTOR shall remain fully responsible for compliance by its subcontractors with all the terms of this Agreement, regardless of the terms of any agreement between CONTRACTOR and its subcontractors.
30. SURVIVAL: The obligations of this Agreement, which by their nature would continue beyond the termination on expiration of the Agreement, including without limitation, the obligations regarding Indemnification (Paragraph 2), Ownership of Documents (Paragraph 8), and Conflict of Interest (Paragraph 9), shall survive termination or expiration for two (2) years.

31. SEVERABILITY: If a court of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, will not be affected, unless an essential purpose of this Agreement would be defeated by the loss of the illegal, unenforceable, or invalid provision.
32. INTELLECTUAL PROPERTY WARRANTY: CONTRACTOR warrants and represents that it has secured all rights and licenses necessary for any and all materials, services, processes, software, or hardware ("CONTRACTOR PRODUCTS") to be provided by CONTRACTOR in the performance of this AGREEMENT, including but not limited to any copyright, trademark, patent, trade secret, or right of publicity rights. CONTRACTOR hereby grants to COUNTY, or represents that it has secured from third parties, an irrevocable license (or sublicense) to reproduce, distribute, perform, display, prepare derivative works, make, use, sell, import, use in commerce, or otherwise utilize CONTRACTOR PRODUCTS to the extent reasonably necessary to use the CONTRACTOR PRODUCTS in the manner contemplated by this agreement.

CONTRACTOR further warrants and represents that it knows of no allegations, claims, or threatened claims that the CONTRACTOR PRODUCTS provided to COUNTY under this Agreement infringe any patent, copyright, trademark or other proprietary right. In the event that any third party asserts a claim of infringement against the COUNTY relating to a CONTRACTOR PRODUCT, CONTRACTOR shall indemnify and defend the COUNTY pursuant to Paragraph 2 of this AGREEMENT.

In the case of any such claim of infringement, CONTRACTOR shall either, at its option, (1) procure for COUNTY the right to continue using the CONTRACTOR Products; or (2) replace or modify the CONTRACTOR Products so that that they become non-infringing, but equivalent in functionality and performance.

33. ELECTRONIC COPIES:

The parties agree that an electronic copy, including facsimile copy, email, or scanned copy of the executed Agreement, shall be deemed, and shall have the same legal force and effect as, an original document.

34. COOPERATION WITH COUNTY

Contractor shall cooperate with County and County staff in the performance of all work hereunder.

35. PERFORMANCE STANDARD

Contractor shall perform all work hereunder in a manner consistent with the level of competency and standard of care normally observed by a person practicing in

Contractor's profession. County has relied upon the professional ability and training of Contractor as a material inducement to enter into this Agreement. Contractor hereby agrees to provide all services under this Agreement in accordance with generally accepted professional practices and standards of care, as well as the requirements of applicable Federal, State, and local laws, it being understood that acceptance of Contractor's work by County shall not operate as a waiver or release. If County determines that any of Contractor's work is not in accordance with such level of competency and standard of care, County, in its sole discretion, shall have the right to do any or all of the following: (a) require Contractor to meet with County to review the quality of the work and resolve matters of concern; (b) require Contractor to repeat the work at no additional charge until it is satisfactory; (c) terminate this Agreement pursuant to the provisions of paragraph 19 (Termination) or (d) pursue any and all other remedies at law or in equity.

36. ATTORNEYS' FEES

In any action to enforce or interpret the terms of this agreement, including but not limited to any action for declaratory relief, each party shall be solely responsible for and bear its own attorneys' fees, regardless of which party prevails.

[END OF GENERAL TERMS AND CONDITIONS]

EXHIBIT A

DEFINITION OF SERVICES

CONTRACTOR shall provide the following services:

Provide Per RFB attached hereto, including all plans, specifications and addenda referenced therein as if attached.

[END OF DEFINITION OF SERVICES]

EXHIBIT B

PAYMENT TERMS

COUNTY will pay CONTRACTOR for the services described in this Agreement the amount of (\$BLANK.00). The contract payments shall be made upon receipt of an approved invoice. The COUNTY will approve progress invoices for projects lasting more than 28 calendar days for work completed prior to the invoice date based on the percentage completion of an approved schedule of values. Final invoices will be approved after all work has been completed and all required certified payroll reports, lien releases, manuals, training, as-build drawings and warranties have been received by the COUNTY.

[END OF PAYMENT TERMS]

EXHIBIT C

INSURANCE REQUIREMENTS

Insurance coverage in a minimum amount set forth herein shall not be construed to relieve CONTRACTOR for liability in excess of such coverage, nor shall it preclude COUNTY from taking such other action as is available to it under any other provisions of this Agreement or otherwise in law. Insurance requirements shall be in addition to, and not in lieu of, Contractor's indemnity obligations under Paragraph 2 of this Agreement.

CONTRACTOR shall obtain and maintain insurance coverage as follows:

- a. Combined single limit bodily injury liability and property damage liability - \$1,000,000 each occurrence.
- b. Vehicle / Bodily Injury combined single limit vehicle bodily injury and property damage liability - \$500,000 each occurrence.

CONTRACTOR shall furnish to COUNTY certificates of insurance evidencing the minimum levels described above.

[END OF INSURANCE REQUIREMENTS]

EXHIBIT D

MENDOCINO COUNTY EPAYABLES INFORMATION

The County of Mendocino is currently making credit card payments to all of our vendors and suppliers who qualify. To qualify, vendors need to currently accept credit card payments. To achieve this more efficient form of payment, the County has partnered with Bank of America and their ePayables credit card program. This electronic initiative will yield many benefits to its participants:

- Expedited receipt of cash – electronic credit card payments provide cash flow benefits by eliminating mail and paper check float
- Elimination of check processing costs
- Remittance data transmitted with payment for more efficient back-end reconciliation
- No collection costs associated with lost or misplaced checks
- Reduced exposure to check fraud
- More efficient handling of exception items
- Fits with existing accounting software – requires no purchase of software, no modifications to existing accounts receivable system and no change to bank accounts.
- Going green with paperless electronic credit card payments help conserve the environment by eliminating printing and mailing of paper checks.

For information regarding the payment process, please contact Margaret Yates yatesm@mendocinocounty.org or 707-234-6869.

Additional information regarding the Bank of America Program is also available at:

http://corp.bankofamerica.com/business/ci/landing/epayables-vendors?cm_mmc=sb-general--vanity--sg01vn000r_epayablesvendors--na



COUNTY OF MENDOCINO

EXECUTIVE OFFICE
FACILITIES & FLEET DIVISION

**JAIL BUILDING II HVAC
EMERGENCY POWER INTERSECT**

BID DOCUMENTS:

PLAN SHEET 1 – Cover Page & First Floor Plan
PLAN SHEET 2 – Scope of Work & Second Floor Plan
SPECIFICATION SHEET 1 – General Conditions
SPECIFICATIONS 16050 – Basic Electrical

PROJECT LOCATION:
COUNTY OF MENDOCINO
Jail Building II
975 Low Gap Road
Ukiah, California 95482

INFORMATION:
COUNTY OF MENDOCINO
Facilities & Fleet Division
851 Low Gap Road
Ukiah, California 95482



MENDOCINO COUNTY

PROJECT SPECIFICATIONS

MENDOCINO COUNTY JAIL BUILDING II HVAC EMERGENCY POWER INTERSECT

Project Address:
975 Low Gap Road
Ukiah, CA 95482

Contact: Doug Anderson
Facilities & Fleet Division
andersond@mendocinocounty.org
707-234-6054

Scope of Work:

Provide all labor, materials, and equipment to install a generator intersect system located within a secure detention facility operated by the Mendocino County Sheriff's Office located at 975 Low Gap Road in Ukiah, CA 95482. The completed system shall comply with all applicable codes, and industry standards. The contractor is responsible for performing a final function test and is required to fulfill the requirements of Mendocino County Building Permit including final line drawings.

Work Within a Secure Detention Facility:

All contractor staff must pass a pre-screening before performing work on site. Coordination and scheduling of work with multiple County departments is required to ensure security within the Jail compound. All exposed fasteners must be tamper proof. Cleanup of all materials, tools, equipment, and construction debris is necessary at the end of every work day or whenever workers leave the site. The contractor shall properly dispose of all construction debris off-site each day.

Mandatory Bidders Conference and Site Investigation:

A mandatory pre-bid conference will be held at the site, 951 Low Gap Road, Ukiah, CA 95482 (Sheriff's Office Front Door) on Monday, September 19, 2019 at 9:00 a.m. Following the meeting a site review will be conducted to acquaint bidders with the project. The County reserves the right to schedule an additional mandatory pre-bid conference to ensure proper bid representation. Failure to attend at least one of the pre-bid conferences will disqualify a non-attending bidder from bid award.

General Notes:

1. The contractor is responsible to verify all conditions at the site, and by submitting a bid confirms that he is fully aware of the nature and location of the work and fully informed of any conditions affecting the cost and execution of the work. All inconsistencies shall be brought to the county's attention before proceeding with any work.
2. By submitting a bid, the contractor fully understands the scope of the work and has carefully checked and entered his bid price and takes full responsibility for the bid submitted.
3. These plans and specifications are intended to represent a complete project. All supervision, equipment, transportation, temporary facilities clean-up, project and site management needed to complete the work shown shall be included. All work shall comply with the current California Building Codes in force at the time the work begins.

SECTION 16050

BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Work included in this Section: All materials, labor, equipment, services, and incidentals necessary to install the electrical work as shown on the Drawings and as specified hereinafter.
- B. Any other electrical work as might reasonably be implied as required, even though not specifically mentioned herein or shown on the Drawings.
- C. All work shall comply with Section 16010.
- D. Related Sections: The completion of the work described in this Section may require work in or coordination with other Sections of these Specifications. Contractor and Subcontractor shall be responsible for identifying and including all related work in other Sections of these Specifications and/or Drawings necessary for a complete installation of the work described in this Section. These related Sections include but are not limited to the following:
 - 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
 - 2. Division 9 - Finishes.
 - 3. Division 15 - Motors and Mechanical Equipment Installation.
 - 4. "As Built" drawings of the existing lighting system have been included in the Contract Documents.

1.2 SUBMITTALS

- A. Comply with the provisions of Division 1 Sections and Section 16010.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. List of Equipment Manufacturers:

Conduit and Conduit Fittings

Allied Tube and Conduit
Western Tube and Conduit
LTV Steel Tubular
National Electric Products
AFC
Republic Steel Corporation
Rome Cable Corporation
United States Steel Corporation
Killark Electric Manufacturing Company
Raco
VAW Aluminum Company
Bridgeport

Steel City
Thomas & Betts
Carlton
O.Z. Gedney
Appleton
Regal

Wire and Cable (600V)

American Wire Company
General Wire and Cable Corporation
Okonite Company
Rome Cable Corporation
Cerrowire
American Insulated Wire
AFC Cable Systems
Essex
Simplex Wire and Cable Company

Solderless Lugs and Grounding Connections

Burndy Engineering Company, Inc.
O.Z. Gedney Company, Inc.
Penn Union Electric Corporation
Thomas and Betts Company, Inc.

Pull Boxes, Gutters, Special Cabinets

Square D Company
Columbia Electric Manufacturing Company
General Electric Company
Westinghouse Electric Corporation
Circle Awalt

Outlet Boxes

Appleton Electric Company
Killark Electric Manufacturing Company
Lew Electric Fittings Company
National Electric Products Corporation
Raco
Steel City Electric Company
Carlton
Bowers

Cam Lock Generator Connector

Intersect, Inc. – County Standard, No Substitutions

Wiring Devices

Leviton
Arrow-Hart
Harvey Hubbell, Inc.
Lutron
Bryant

Conduit Racks, Hangers

General Electric Company
Killark Electric Manufacturing Company
Caddy
National Electric Products Corporation
Republic Steel Corporation
Rome Cable Corporation
United States Steel Corporation
VAW Aluminum Company

Superstrut
B-Line

Safety Switches (Disconnect and Fusible)

Square D Company
Cutler Hammer, Inc.
General Electric Company
Westinghouse Electric Corporation

Firestopping

3M
Nelson

2.2 MATERIALS

- A. Raceways: Only the raceways specified below shall be utilized on this Project. Substitutions shall be pre-approved in writing. All bare conduit ends (stub-ups or stub-outs) shall be provided with bushed ends or manufactured insulated throat connectors.
1. Rigid Type: Hot dip galvanized or sherardized steel, use at exterior locations exposed to damage, below grade or in concrete slab, and to 18" on either side of structural expansion joints in floor slabs (see item 15 below), with completely watertight, threaded fittings throughout.
 - a. All rigid steel conduit couplings and elbows in soil or concrete or under membrane to be 1/2 lap wrapped with Scotch #50 tape and threaded ends coated with T&B #S.C.40 rust inhibitor prior to installation of couplings.
 - b. 1/2 lap wrap all rigid steel conduit stub-ups from slab or grade to 6" above finished grade level with Scotch #50 tape.
 2. In lieu of rigid steel conduit for power and control raceways and branch circuit conduits in soil or concrete slabs, "Schedule 40" PVC with Schedule 80 PVC conduit elbows and stub-ups may be used with code size (minimum No. 12) ground wire. A "stub-up" is considered to terminate 6" above the finished surface.
 - a. Schedule 80 PVC conduit shall be used in all concrete footings or foundations and to 18" of either side of footings or foundation walls.
 - b. Schedule 80 PVC conduit shall be used in all concrete masonry unit (CMU) walls or columns.
 - c. All conduit runs in concrete floor slabs (where allowed) shall be installed to comply with all applicable UBC and structural codes to maintain the structural integrity of the floor slab. Where conflicts occur, alternate routing shall be provided at no additional cost to County.
 3. Intermediate metal conduit shall be used in all exposed interior locations and exterior locations not exposed to damage, except that electrical metallic tubing may be used in some locations as noted below. Utilize steel compression type watertight fittings for all exterior conduit runs, unless otherwise noted. Cast fittings are unacceptable.
- B. Electrical metallic tubing may be used exposed in electrical and mechanical rooms and in unfinished spaces and in concealed and furred spaces within the building envelope, made up with steel set screw type fittings and couplings. Setscrews shall have hardened points. Cast fittings are unacceptable.

- C. Use flexible conduit for all motor, and recessed fixture connections (minimum 1/2"); "Seal-tite" type used outdoors, and in all wet locations, provide with code size (minimum No. 12) bare ground wire in all flexible conduit.
- B. Conceal conduit in ceiling, or walls of all areas where possible, all exposed conduits installed parallel to building members.
- C. Fasten conduits securely to boxes with locknuts and bushings to provide good electrical continuity.
- D. Provide chrome escutcheon plates at all exposed wall, ceiling and floor conduit penetrations.
- E. Support individual suspended conduits with heavy malleable strap or rod hangers; supports for 1/2" or 3/4" conduit placed on maximum 7' centers; maximum 10' centers on conduits 1" or larger; all exposed screws and fasteners shall be tamper proof.
- F. Support multiple conduit runs from Kindorf B907 channels with C-105 and C-106 straps.
- G. Conduit Bends: Long radius.
- H. Flash conduits through roof, using approved roof jack; coordinate with General Contractor.
- I. To facilitate pulling of feeder conductors, install junction boxes as shown or required.
- J. All empty conduits on the project shall be provided with a nylon pull rope to allow pulling of future conductors intended for the specific raceway. Provide plastic wire-tie style nameplate tags on each end of pull rope with printed identification of conduit use and the location of the opposite end of the rope.
- K. Where conduits pass through structural expansion joints in floor slab, rigid galvanized conduit shall be used 18" on either side of joint, complete with Appleton expansion couplings and bonding jumpers, or equal. All above grade expansion joint crossings shall also utilize expansion joint couplings or flex conduit transitions as required for each particular installation. No solid conduits shall be allowed to cross expansion joints without proper provisions for building and seismic movement.
- L. Minimum Cover of Conduits in Ground Outside of Building: 36", unless otherwise noted.
- M. Provide and install exterior wall conduit seals and cable seals in the locations listed below. Coordinate installation and scheduling with other trades.
 - 1. Conduit seals through exterior wall or slab (below grade): O.Z. Gedney series "FSK" in new cast in concrete locations, series "CSM" in cored locations.
 - 2. Conduit seals through exterior wall or slab (above grade): O.Z. Gedney series "CSMI."
 - 3. Cable seals at first interior conduit termination after entry through exterior wall or slab: O.Z. Gedney series "CSBI." Coordinate quantity of conductors at each location.
- N. Outlet Boxes and Junction Boxes:
 - 1. One-piece steel knockout type drawn boxes, unless otherwise noted, sized as required for conditions at each outlet or as noted.
 - 2. Flush-mounted boxes equipped with galvanized steel raised covers for device mounting flush with finished surface. Provide extension rings as required on all

acoustical or additional wall treatment areas to bring top of cover flush with finished surface (coordinate with architectural drawings). Devices shall be capable of being tightly mounted to boxes without distorting or bending device or mounting hardware.

3. Boxes for fixture outlets: 4" octagon or larger as required, or as noted.
4. Switch and Receptacle Outlets: Not smaller than 4" square in furred walls, with raised cover for single device; ganged where required.
5. Outlet and Switch Boxes for Wet Locations: Cast aluminum FS or FD type with cast aluminum gasket spring lid cover. Weatherproof "Bell" type boxes are not acceptable.
6. All connectors from conduit to junction or outlet boxes shall have insulated throats. Connectors shall be manufactured with insulated throats as integral part. Insertable insulated throats are unacceptable.
7. Outlet boxes for cable TV, telephone, 4" square or larger as required or noted, multi-ganged for telephone, data, and other services where indicated on the drawings.
8. Conduit Bodies: Malleable iron type, with lubricated spring steel clips over edge of conduit body, O.Z. Gedney type EW, or equal.
9. Concealed Service Floor Boxes: Electro-galvanized sheet steel, 14-gauge, complying with U.L 514A, fully adjustable before and after concrete pour, separate boxes for power and data/telephone services where noted on Drawings. Mount side by side.
 - a. Combination Power and Telephone/Data: Steel City #664-S, or equal, with 1-664-S-BP blank plate, and 664-CST-GRY cover. Verify color selection with Architect prior to submittal. Provide plate at signal outlet to match duplex power outlet for signal jacks by others - typical all signal outlets in all concealed service floor boxes. Provide and install carpet square in cover - typical all concealed service floor box locations.
 - b. Power only: Steel City #664-S, or equal, with #664-RP second receptacle faceplate, with 2-20A 125V 3PG duplex receptacles, 664-S-WT wire tunnel, and 664-CST-GRY cover. Verify color selection with Architect prior to submittal.
 - c. Data/Telephone only: Steel City #664-S, or equal, without power fitting, with 1-664-S-BP blank plate, and one plate to match duplex power outlet plates for signal jack installation by others, and 664-CST-GRY cover. Verify color selection with Architect prior to submittal.
 - d. Alternate: Combination power and tele/data concealed service Floor Boxes: Multi-service shallow steel, recessed floor box "Walker Resource RFB4-SS," complete with 4 wiring compartments, fully adjustable, with type "Walker Source III" activation covers, "RAKMII." Refer to the details on the Drawings for power and tele/data configurations.

10. Flush Service Floor Boxes: Multi-gang, cast iron, watertight, with corrosion resistant finish, exterior leveling screws, removable partitions, gasket cover, meeting U.L. 514.
 - a. For power and signal connection to furniture panels (slab-on-grade only): Steel City #642, or equal, with partition to separate power and signal. Provide brass plates with plugs, P-64-3/4 on one power side, and P-64-3/4-2 on signal side, with P-64-2G-CP carpet plate. Provide and install flexible conduit and conductors and connect furniture partitions complete. Provide rubber grommet for each signal opening to cable installer for installation with cables under separate contract.

O. Wire and Cable:

1. 600-volt class, insulation color-coded, minimum No. 12 awg for branch circuits, No. 14 for control circuits.
2. All conductors shall be copper.
3. Insulation type:
 - a. Standard locations: #12 to #1 AWG: THWN for wet locations and THHN for dry locations. #1/0 through #4/0 AWG: XHHW (55 Mils). 250MCM and larger: XHHW (65 Mils). All wire sizes used shall be based on a 75-degree insulation rating, unless specifically used with 90-degree rated breakers and devices.
 - b. High temperature and non-standard locations: Provide wire type and insulation category suitable for area of use as defined in NEC table 310-13.
4. Conductors No. 8 and larger and as otherwise noted on the Drawings shall be stranded. Conductors No. 10 and smaller shall be solid.
5. Install all wiring (low voltage and line voltage) in conduit unless noted otherwise in the Drawings, but do not pull into conduit until plastering and taping have been completed and conduits and outlets have been thoroughly cleaned and swabbed as necessary to remove water and debris.
6. Approximately balance branch circuits about the neutral conductors in panels.
7. Connections to devices from "thru-feed" branch circuit conductors to be made with pigtails, with no interruption of the branch circuit conductors.
8. Neutral conductor identified by white outer braid, with different tracers of "EZ" numbering tags used where more than one neutral conductor is contained in a single raceway.
9. Neatly arrange and "marlin" wires in panels and distribution panelboards with "T and B Ty-rap" or approved equal plastic type strapping.
10. All wire and cable shall bear the Underwriters' Label, brought to the job in unbroken packages; wire color-coded as follows:

Voltage	Phasing	A	B	C	N
120/208	3PH4W	Black	Red	Blue	White
208	3PH3W	Black	Red	Blue	--

The equipment-grounding conductor shall be insulated copper; where it is insulated, the insulation shall be colored green.

11. Label each wire of each electrical system in each pull box, junction box, outlet box, terminal cabinet, and panelboard in which it appears with "EZ" numbering tags indicating the connected circuit numbers.
 12. Install feeder cables in one continuous section unless Architect approves splices. Exercise care in pulling to avoid damage or disarrangement of conductors, using approved grips. No cable shall be bent to smaller radius than the spool on which it was delivered from the manufacturer. Color code feeder cables at terminals. Provide identifying linen tags in each pullbox.
- P. Switches: Model numbers are Leviton, color to be selected by Architect, unless otherwise noted:
1. Single Pole: No. 1221-2.
 2. Three Way: No. 1223-2.
 3. Momentary contact: No. 1257-I.
 4. Momentary contact, keyed,: No. 1257-LI.
- Q. Receptacles: Mounting straps and contacts shall be one-piece design, (no rivets), constructed of minimum 0.050" solid brass. Base shall be high strength, glass reinforced nylon. Device shall accept up to #10 wire. Model numbers are Leviton, color to be selected by Architect, unless otherwise noted:
1. 15A 3PG 125 volt duplex: No. 5262A.
 2. 20A 3PG 125 volt duplex: No. 5362A-W.
 3. 1 3PG 125 volt ground fault interrupter receptacle, no indicator light, with safety lock-out action - No. 8599-W. Through wiring to downstream GFI designated receptacles is not acceptable.
 4. GFI Module (blank face), no indicator light, 1.5 hp rating @ 120VAC: No. 8490-W.
 5. 20A 3PG 125-volt duplex - No 5362 tamper-resistant in Jail areas and holding areas.
- R. Plates: All plates to have tamper-proof screws in Jail areas, and all holding areas and shall be Kenal type WSP/WPP series for security detention applications stainless steel 14 gauge. Leviton, or equal, except as noted:
1. For flush outlet boxes, for switches, and receptacles: Nylon, color to be per color coding as indicated on the Drawings.
 2. Plates for surface-mounted outlets: Galvanized steel unless otherwise noted. Emergency outlet plates shall be engraved "EMERGENCY."
 3. Weatherproof duplex receptacle plates for exterior location with ground fault interrupter receptacles in type FS or FD boxes: Leviton @6196-V or Hubbell #PFS26.
 4. Locking plates for weatherproof duplex receptacles for exterior locations with ground fault interrupter receptacles in type FS or FD boxes: Pass & Seymour #WPF26-L.
 5. Plates for flush telephone/data boxes: White nylon or as otherwise directed.

- S. Safety Switches and Generator Intersects: All switches shall be located to allow proper code required clearance in each area. Locations shown on Drawings are diagrammatic only. The contractor shall coordinate exact locations in the field (with other trades) prior to rough-in to insure proper clearances.
 - 1. Safety Switches: General Electric Company or equal Heavy Duty Type "THD," Double Throw Switch, cover interlocked with operating handle so that cover cannot be opened with switch in closed position and switch cannot be closed with cover in open position. 240V rating, single or multi-pole as required or as noted on Drawings, in NEMA 1 enclosure indoors or NEMA 3R enclosure outdoors unless otherwise noted.
 - 2. Generator Intersects: Intersect, Inc. is the County Standard, No substitutions, see attached cut sheet. Install per manufacturer's written instructions.
- T. Lugs and Connectors: Thomas and Betts "lock-tite," for No. 4 and larger wire; "Scotchlock" fixed spring type with insulator for No. 6 and smaller wire.
 - 1. All splices made up with wire nut connectors shall be solidly twisted together with electricians pliers before connector is installed to ensure a proper connection in the event of wire nut failure. No exceptions.
 - 2. Connectors listed or labeled for "no wire twisting required" are not an acceptable substitute for actual wire twisting.
 - 3. Utilize porcelain type connectors in all high temperature environments (above 105°C).
- U. Splice Insulation: "Scotch" electrical tape with vinyl plastic backing or rubber tape with protective friction tape for interior work.
 - 1. Provide watertight cast splices for all conductors in site pullboxes or wet locations.
- V. Identification: Refer to Section 16010.
- W. Firestopping: as manufactured by 3M Fire Protection Products or equal.
 - 1. Fire-rated and smoke barrier construction: Maintain barrier and structural floor fire and smoke resistance ratings including resistance to cold smoke at all penetrations, connections with other surfaces or types of construction, at separations required to permit building movement and sound vibration absorption, an at other construction gaps.

PART 3 - EXECUTION

3.1 GENERAL

- A. Refer to Basic Electrical Requirements - Section 16010 for work under this Section.

3.2 TESTS

- A. Testing and Inspection: See Section 16950 - Testing.

END OF SECTION

Intersect Cam-Lok Generator Connector

Power Transfer UL 1008A Listed to 400 A



Featuring a Type 3R enclosure for outdoor use, the Intersect Cam-Lok Generator Connector (ICGC) Series uses Com-Lok style connectors and replaces commonly-used generator receptacles.

ICGC Series design features provide installation ease and flexibility

- Knockouts on the left, right, and back side of the enclosure provide three installation options
- May be wall-mounted, H-Frame mounted, or installed as a new or retrofit engine generator connector to shelters or cabinets
- Connect or disconnect Cam Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance
- 10 kA short circuit rating appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 kA rated emergency power systems
- Proven to provide optimal electrical and mechanical connections in numerous power applications and severe operating conditions – contacts withstand a pulling force of 1,000 lbs
- A gasket ships with each ICGC to insure a watertight seal
- Optional Deutsch receptacle for wiring alarm and auto-start/stop features of an engine generator set (from the automatic transfer switch connections)

ICGC Series features ensure safety during installation and operation

- Cam Lok-style connectors are single-pole plugs and receptacles, insulated for watertight integrity and safety
- Insulators are molded from colorfast materials, with five different colors providing fast, easy phase identification
- Male and female connectors provide insulated, recessed contacts and have no moving contact surfaces, eliminating risk of arcing or burning
- Impervious to vibration, preventing inadvertent disconnects
- Enclosure is pad-lockable to prevent unauthorized access
- Hinged bottom closure ensures connectors are not exposed when not in use and reduces potential of environmental threats from dust, insects or other invasive creatures

For a quotation, contact Intersect at solutions@intersectinc.com.

Intersect™, Inc.

Quality products. Premium customer care. Integrated solutions.



Figure 1. Deadfront protective cover



Figure 2. Bottom closure



Figure 3. Switchable hinged opening

Product No	Product Configuration ¹
ICGC-1P-400	1Ø; L1, L2, N and G
ICGC-1P-400-CBL	1Ø; L1, L2, N and G with Deutsch connector and 20' CBL
ICGC-3P-400	3Ø; L1, L2, L3, N and G
ICGC-3P-400-CBL	1Ø; L1, L2, L#, N and G with Deutsch connector and 20' CBL
Optional Accessories	
ICGC-CBL	1Ø or 3Ø, Deutsch connector with 20' cable assembly
ICGC-MB	Mounting box for use with 1Ø or 3Ø ICGC enclosures
400LKB-1P	400 A Lug Kit Burndy (8 lugs) 3/0 CU 1-hole short lugs ²
400LKB-3P	400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs ²
400LKP-1P	400 A Lug Kit Burndy (8 lugs) 3/0 CU 1-hole short lugs ²
400LKP-3P	400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs ²

1. All parts listed include male Cam-Lok style connectors. Units are UL 1008 Transfer Switch Power Inlet Standard rated for use on 120/240 or 120/208 V up to 400 A installations. 2. Two enclosure sizes available. For details please contact solutions@intersectinc.com

General Data

Enclosure dimensions (H x W x D)

23 x 10 x 9.5 inches

Weight

14 lbs (approx.)

Enclosure

- UL Type 3R aluminum enclosure
- Uses die-cast pin hinges, black powder coated
- Dead front panel protects utility gen set wiring connections (Figure 1)
- Gasket provided to help insure water-tight seal
- Flush mount weld
- Bottom closure employs an integrated hinge for integrity, strength and durability while keeping bugs and creatures out when gen set is not connected (Figure 2)
- Bottom closure hinges open to provide 7.25" W x 3"D opening for cable conductors
- Cable management system is a bridge lance for plastic zip ties
- Optional Deutsch connector is connected via an "O ring" to base

Powder coat paint

UL RAL 7035 - Light grey

Door

- Pad lockable
- Ships with left opening; may open to the right by moving hinges to the opposite side of cabinet (Figure 3)

UL

UL 1008A, 5th ed, or current

- 1Ø, rated 240/120, 400 A, 10 kA short circuit
- 3Ø, rated 208/120, 400 amps, 10 kA short circuit

Manufacturer's warranty

5 years

Cam-Lok Style Connectors

Type

Male

Electrical

- UL Listed Cam-Lok style, 180° twist on/off single-pole receptacles
- Conforms to NEC
- Rated up to 400 A, 208/120 V, 3Ø
- May be used for 240/120 1Ø applications
- Cam-Lok terminal acceptance:
 - Plug: 400 A, #2 to 4/0 AWG
 - Receptacle: 400 A, #2 to 4/0 AWG

Power connectors

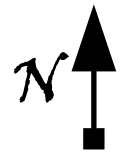
- Solid brass machined connectors
- Color coded:
 - Green – Ground
 - White – Neutral
 - Black – Line 1
 - Red – Line 2
 - Blue – Line 3

PROJECT DATA

BUILDING: 22,645 SF
BUILDING TYPE: II Sprinklered
AREA OF WORK: 0 SF
OCCUPANCY TYPE: I-3
SCOPE OF WORK: Electrical to install cable for interconnecting the roof top HVAC systems to a back-up generator system.

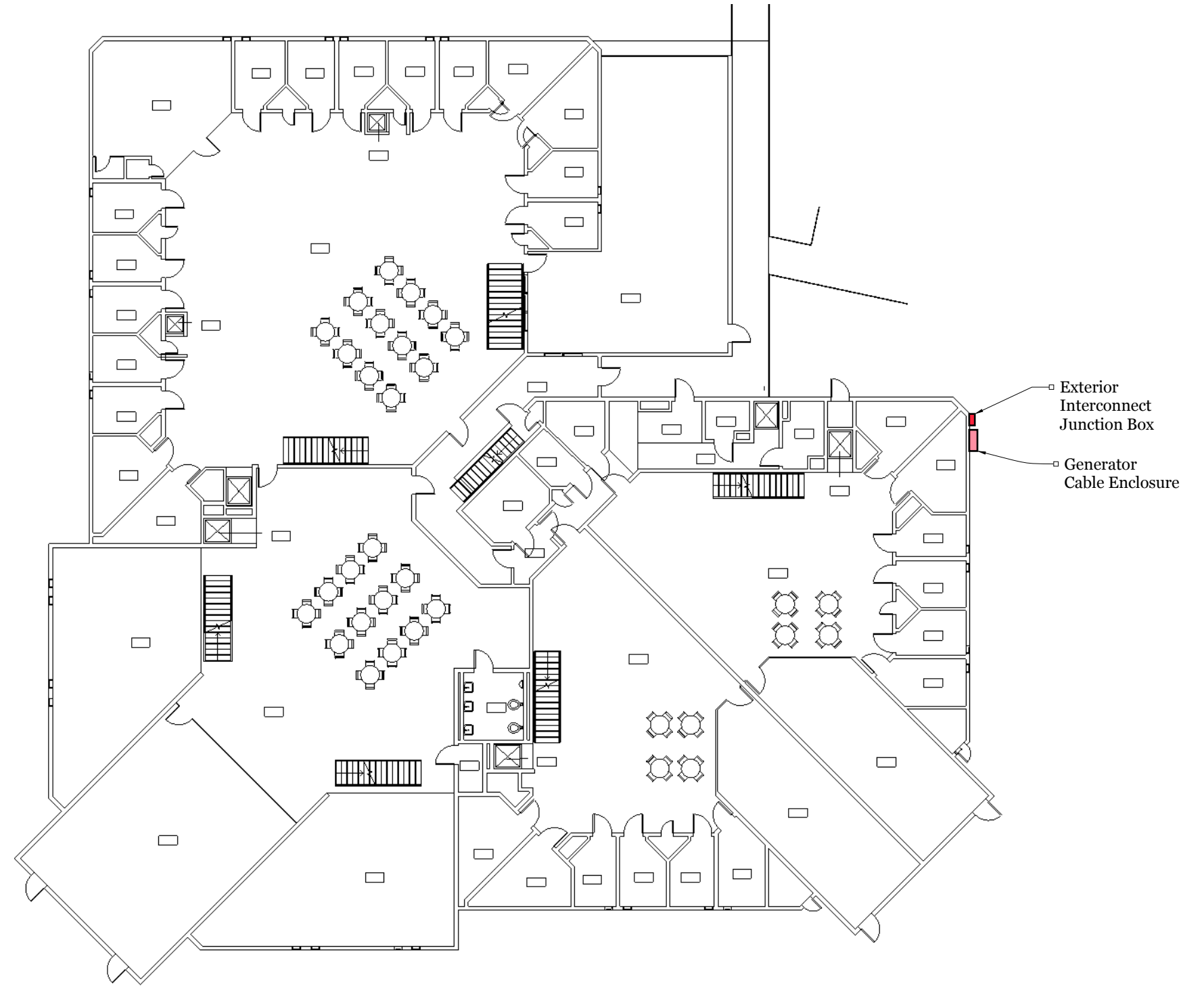
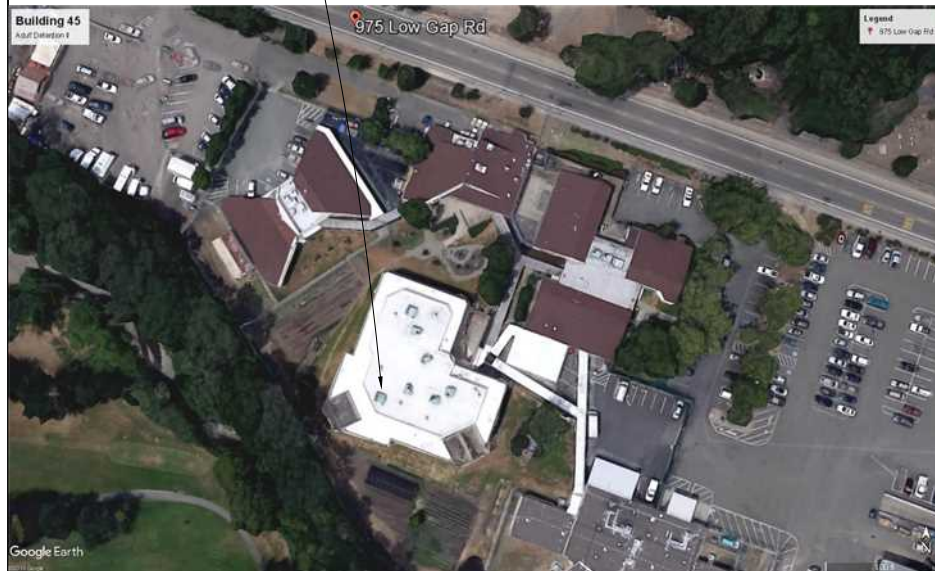
APPLICABLE CODES (CBC)

2016 CALIFORNIA BUILDING CODE
2016 CALIFORNIA MECHANICAL CODE
2016 CALIFORNIA ELECTRICAL CODE
2016 CALIFORNIA PLUMBING CODE
2016 CALIFORNIA FIRE CODE
2016 CALIFORNIA ENERGY CODE
2016 CALIFORNIA GREEN CODE



SITE MAP

Project Location
Jail Building II
975 Low Gap Rd.
Ukiah, CA



FIRST FLOOR PLAN

**Jail Building II HVAC
Emergency Power Intersect**



County of Mendocino
Executive Office
Facilities and Fleet Division

851 Low Gap Road
Ukiah, CA 95482
707-234-6068

Project No. CI 952
PRF/Bid No. RFB 35-19

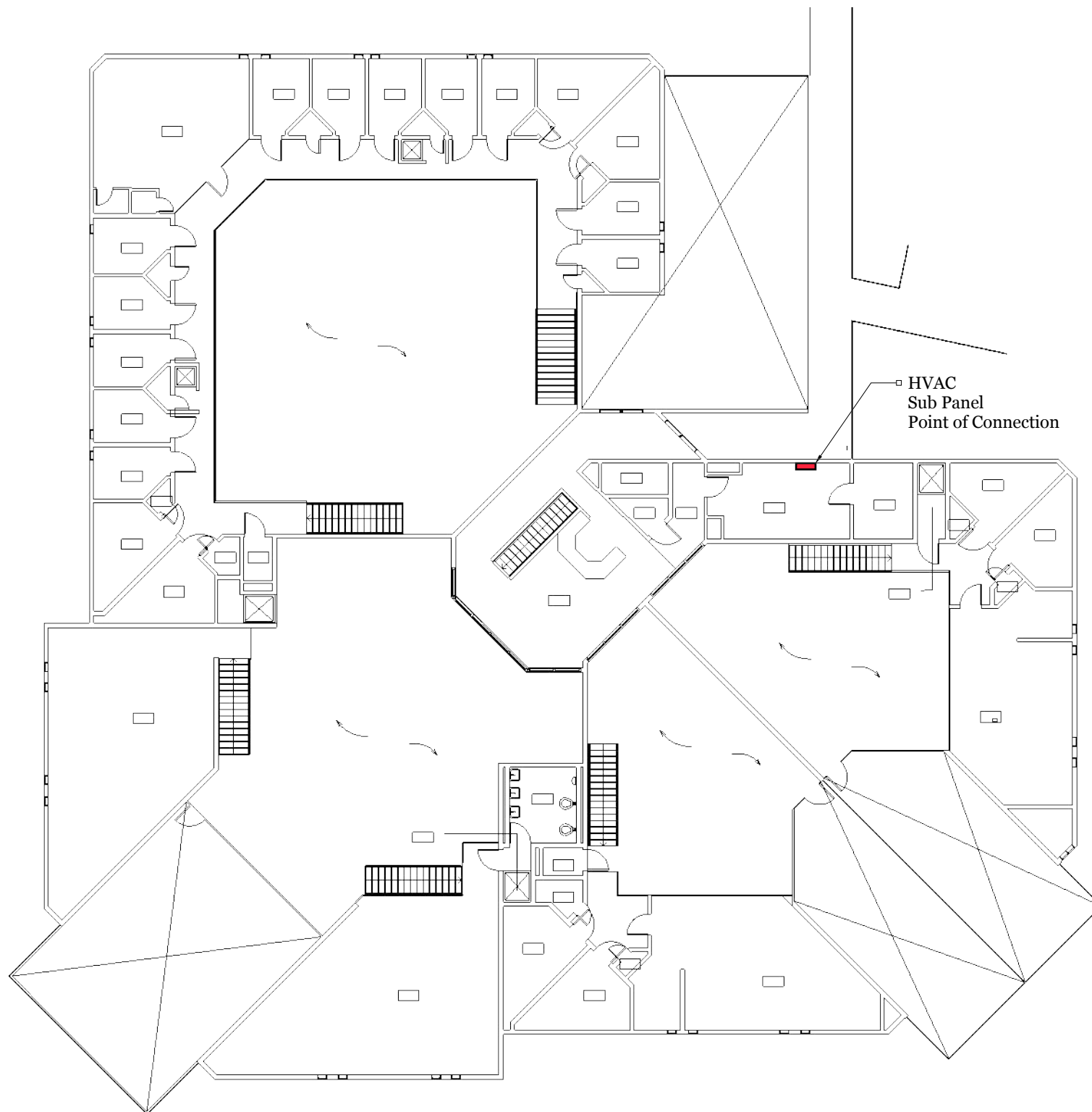
Issue Date: September 19, 2019
Submittal Type: Bidding Drawings

Project Manager: Doug Anderson

Scope of Work:

Provide all labor and materials to provide a complete installation and final function test of a generator Intersect device and double throw manual transfer switch to provide emergency generator power for the Adult Detention II Building HVAC during a power outage event, including but not limited to:

- Furnish and install 400-amp 3-phase generator intersect device as shown at building exterior
- Furnish and install 400-amp 3 -phase double throw manual transfer switch adjacent to intersect device
- Furnish, install and properly secure 3" EMT conduit from the building service panel to the intersect location using tamper proof screws
- Furnish and install required length and properly terminate four (4) #3/0 AWG Copper Conductors [Phase (black), Phase (blue), phase (red) and Neutral (white) and (1) 6 AWG Copper Bonding conductor (Green)]
- Complete all connections as require at the building HVAC sub panel
- Furnish line drawings for Mendocino County permitting process
- Furnish 30' of #2/0 five (5) conductor cables and twist lock fittings (black, blue, red, white and green) to complete circuit from mobile generator to generator Intersect device. Attach fittings to Intersect ends, strip and braise generator ends
- Furnish and install weather tight lockable enclosure for cable storage
- Provide for final inspection and function test.



SECOND FLOOR PLAN

Jail Building II HVAC
Emergency Power Intersect



County of Mendocino
Executive Office
Facilities and Fleet Division

851 Low Gap Road
Ukiah, CA 95482
707-234-6068

Project No. CI 952
PRF/Bid No.

Project Manager: Doug Anderson

Issue Date:
Submittal Type: Permit Drawings