

The Reno-Sparks Convention & Visitors Authority is soliciting a Bid for

### National Bowling Stadium Electrical and Technology Upgrades RFP 2025-OP03 PWP-WA-2025-315

Released by Amy Pickens, Project Manager (Thursday, July 3, 2025)

The Point of Contact is Amy Pickens, Project Manager at (775) 335-8839, or e-mail apickens@visitrenotahoe.com.

All questions or additional information concerning the Bid document must be submitted to the point of contact. No communication to any other staff or Board Member of the Reno-Sparks Convention & Visitors Authority regarding this Bid is allowed.

**SUBMISSION DATE AND TIME: Thursday, August 7, 2:00 PM (PDT)** 



### **TABLE OF CONTENTS**

I.	INTRODUCTION	4
II.	SCHEDULE	4
III.	SUBMISSION OF RESPONSE	5
IV.	BIDDER'S CHECKLIST	6
V.	PROPOSER INFORMATION	7
A.	Company Information	7
В.	Company Background	8
C.	Nevada Contractor License Information	9
D.	Business License Information	9
VI.	SUBCONTRACTORS EXCEEDING 5% OF BID	10
VII.	SUBCONTRACTORS EXCEEDING 1% OF BID AMOUNT	11
VIII.	. CERTIFICATION REGARDING DEBARMENT	12
IX.	LOCAL PREFERENCE AFFIDAVIT	13
Χ.	ACKNOWLEDGMENT AND EXECUTION	14
XI.	PERFORMANCE BOND, PAYMENT BOND AND BID BOND	15
A.	Performance Bond	15
В.	Payment Bond	15
C.	Bid Bond	15
XII.	GENERAL TERMS AND CONDITIONS	15
A.	The bidder agrees that	15
В.	Addenda	16
C.	Advertisements, Product Endorsements	16
D.	Annual Appropriation of Funds	16
E.	Brand Names	16
F.	Business License Requirement	17
G.	Compliance	17
Н.	Confidential Information	17
I.	Conflict of Interest	17
J.	Default of Agreement	
K.	Disputes	18
L.	Document Ownership	18
Μ.		
N.	Evaluation and Recommendation, Selection and Agreement	18



SCORE	OE WORK	25
XIV.	5% BID BOND	33
XIII.	BASE BID FORM	. 26
EE.	Withdrawal of Bids/Proposals	25
DD.	Venue	25
CC.	Tax Exemption	25
BB.	Submission of Responses	24
AA.	Signature	
Z.	Protest	
Y.	Apprenticeship Utilization Act	22
Χ.	Prevailing Wages	
W.	Open Meeting Law	22
٧.	Non-Discrimination	21
U.	Litigation Warranty	21
T.	Lawful Performance	21
S.	Late Bids, Modifications, or Withdrawals	21
R.	Items Offered.	21
Q.	Insurance	19
Р.	Indemnification	19
Ο.	Exceptions	19



### I. INTRODUCTION

The Reno-Sparks Convention and Visitors Authority ("Authority") is currently accepting sealed responses from qualified Bidders (a "Bidder") for the provision of services, as set forth in this **RFP 2025-OP03, PWP-WA-2025-315** 

The Authority, an independent governmental entity, was established in February 1959 as the Washoe County Fair and Recreation Board. The Authority owns and/or operates the Reno- Sparks Convention Center, Reno Events Center, National Bowling Stadium, and the Reno- Sparks Livestock Events Center. The Authority is operating instrumentality in the Washoe County area for promoting conventions, tourism, and outdoor recreation.

This RFP is for Electrical and Technology Upgrades at the National Bowling Stadium

### II. SCHEDULE

Request for Proposals Available

Mandatory Pre-Bid Meeting

Written Questions Due (if any)

Written Responses to Questions Issued
Bid Responses Due
Bid Opening Time

Thursday, July 3, 2025 Wednesday, July 16, 2025, 9:00AM (PDT) Monday, July 21, 2025, 3:00PM (PDT) Wednesday, July 23, 2025, 5:00PM (PDT) Thursday, August 7, 2025, 2:00PM(PDT) Thursday, August 7, 2025, 2:10PM(PDT)

A Mandatory Pre-Bid meeting will occur on Wednesday, July 16, 2025, 9:00 AM (PDT), at the National Bowling Stadium, 300 University Way, Reno, Nevada 89501.

Any irregularities or lack of clarity in this Bid should be brought to the attention of the Point of Contact prior to or on the date for Written Questions set forth in this Section for correction or clarification.

Any addenda to this Bid issued will forthwith become an integral part of this Bid. Bidder is required to acknowledge receipt of same by signing and returning the addenda in its response.

Bid 2025-OP03 Page 4:35



### III. SUBMISSION OF RESPONSE

Bidder will submit its response to this Bid on the letterhead of its company, Bidder establishment, corporation, etc. attached to the original **RFP 2025-OP03**, **PWP-WA-2025-315** document. Bidder will sign and return the **ENTIRE BID DOCUMENT**, marked as **ORIGINAL**, with two (2) duplicate copies, and a flash drive together with any addenda.

Responses will be enclosed in a sealed envelope addressed to:

Reno-Sparks Convention Center 4590 S. Virginia St. Reno, NV 89502

Attn: Amy Pickens

### Or delivered to:

Reno-Sparks Convention Center 4590 S. Virginia St. Reno, NV 89502 Attn: Amy Pickens

Response envelope must indicate name and address of Bidder, Bid number, and opening date.

In order for a response to be considered it will be mandatory that the response be in conformance with the terms and conditions of this Bid.

Bid 2025-OP03 Page 5:35



### IV. BIDDER'S CHECKLIST

Bidders are instructed to complete and return the following items in order for their proposals to be complete. Failure to return all the items may result in your proposal being declared "non-responsive."

	Proposer Information Requirements	Page	Completed
V.A.	Company Information	7	
V.B.	Company Background	8	
V.C.	Nevada Contractor License Information	9	
V.D.	Business License Information	9	
VI.	Subcontractors Exceeding 5% of Bid	10	
VII.	Subcontractors Exceeding 1% of Bid	11	
VIII.	Certification Regarding Debarment	12	
IX.	Local Preference Affidavit	13	
X.	Acknowledgment and Execution	14	
XIII.	Base Bid Form	26	
XIV.	5% Bid Bond	33	
Α	One Original Hard Copy		
В	2 Duplicates		
С	One master Flash Drive		

Bid 2025-OP03 Page 6:35



### V. PROPOSER INFORMATION

The following information must be completed, either typed or printed, and returned with the bid in accordance with the General Conditions contained herein.

### A. Company Information

Company Name:
Contact Name:
Address:
City, State Zip Code:
Telephone Number:
Facsimile Number:
E-Mail:

Bid 2025-OP03 Page 7:35



### B. Company Background

Has your company ever failed to complete any contracts awarded to it? No\_\_\_Yes\_\_\_(If yes, please provide details.)

Has your company filed any arbitration request or lawsuits on contracts awarded within the last five years? No Yes (If yes, please provide details.)

Does your company now have any legal suits or arbitration claims pending or outstanding against it or any officers relating to the performance of a public contract? No Yes (If yes, please provide details.)

Does your company now employ any officers or principals who were with another Bidder when that company failed to complete a contract within the last five years? No Yes (If yes, please provide details.)

Has your company had a contract partially or completely terminated for default (cause) within the past five years? No Yes (If yes, please provide details.

Has your company been found non-responsible on a government bid within the last five years? No Yes (If yes, please provide details.)

Bid 2025-OP03 Page 8:35



### C. Nevada Contractor License Information:

D.

Prospective bidders will be required to have a current Contractor's License at the time of bid submittals under the Nevada State Law for the type of work specified herein.

License Number	:
License Classificat	ion:
Limitation(s) of Li	cense:
Date Issued:	
Date of Expiration	:
Name of Licensee	:
City, State, Zip Co	de:
Telephone Numbe	er:
Lieenee Treferre	nation:
ss License Inform	
City of Reno	
City of Reno	

Bid 2025-OP03 Page 9:35



### **VI. SUBCONTRACTORS EXCEEDING 5% OF BID**

Pursuant to NRS 338.141, the Bidder must submit the following names of First-Tier Subcontractors who will provide to Bidder labor or a portion of the work or improvements for which Subcontractor will be paid an amount exceeding five percent (5%) of the bid price. The Bidder shall list the name of a Subcontractor for each portion of the work, the value of which exceeds five percent (5%) of the Bid price. If Bidder will perform more than 5% of the work, BIDDER SHALL ALSO LIST HIS/HER NAME and description of the work that the prime contractor will perform in the space provided below. If additional space is needed, attach a separate page.

Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Piddor Namou Aust	-horized Signatures
Bidder Name:Aut	thorized Signature:

Bid 2025-OP03 Page 10:35



### VII. SUBCONTRACTORS EXCEEDING 1% OF BID AMOUNT

In compliance with NRS 338.141, Bidder submits the following names of First-Tier Subcontractors who will provide to Bidder labor or a portion of the work or improvements for which Subcontractor will be paid an amount exceeding one percent (1%) of the Bid or \$50,000, whichever is greater. The Bidder shall list the name of a Subcontractor for each portion of any of the work the value of which exceeds one percent (1%) of the Bid Price.

Since all Subcontractors listed on the Bidder's 5% Subcontractor Information Form are over 1% of the Bid amount, those Subcontractors shall automatically be deemed incorporated into this 1% Subcontractor Information form and need not be re-listed below.

Information provided must be submitted within two (2) hours after the completion of the opening of the bids (Per NRS 338.141). Bidder shall enter "NONE" under "Name of Subcontractor" if not utilizing subcontractors exceeding this amount. This form must be complete in all respects. If additional space is needed, attach a separate page. The bidder may elect to submit this information with the bid proposal, and, in that case, the bidder will be considered as having submitted this information within the above two hours.

Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Subcontractor Name	
Nevada License	Limit of License
Address	
Telephone	
Description of Work	
Bidder Name:Aut	horized Signature:

Bid 2025-OP03 Page 11:35



### VIII. CERTIFICATION REGARDING DEBARMENT

(This to be signed and returned at the time of bid)

### **Certification Regarding Debarment, Suspension, And Other Matters**

•	ospective bidder, dge and belief that it and its principals:	certifies to the best of its
	Are not presently debarred, suspended, proposed for or voluntarily excluded from covered transactions agency;	
	Have not within a three year period preceding this property;  Have not within a three year period preceding this property a civil judgment rendered against them for commission in connection with obtaining, attempting to obtain, of State, or local) transaction or contract under a public or State antitrust statutes or commission of embezzing falsification or destruction of records, making false property;	on of fraud or a criminal offense or performing a public (Federal, transaction; violation of Federal element, theft, forgery, bribery,
	Are not presently indicted for or otherwise criminally or entity (Federal, State, or local) with commission of an paragraph (b) of this certification; and	

• Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. Any exceptions provided will not necessarily result in denial of award but will be considered in determining bidder responsibility and whether or not the Authority will enter into contract with the party. For any exception noted, indicate on an attached sheet to whom it applies, initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions.

Signature:
Print Name:
Title:
Date:

Bid 2025-OP03 Page 12:35



### IX. LOCAL PREFERENCE AFFIDAVIT

This form is required to receive a preference in bidding on projects exceeding \$100,000. This form must be submitted no later than two (2) hours following the opening of bids, only if the bidder wishes for their preferential status (established by their current Certificate of Eligibility) to be considered in the evaluation of bids. A copy of the bidder's Certificate of Eligibility must be submitted at the time the contractor submits their bid.

I,	, on behalf of the C	Contractor,,
swear and aff	irm that in order to be in com	pliance with NRS 338.0117 and be eligible to receive
a preference i	in bidding RFP#2025-OP03	, PWP-WA-2025-315 National Bowling
Stadium Ele	ctrical and Technology Up	grades certify that the following requirement will be
adhered to, d	ocumented, and attained on o	completion of the contract. Upon submission of this
affidavit on be	ehalf of	, I recognize and accept that failure to comply
with any requ	irements is a material breach	of the contract and entitles the Authority to
damages. In a	addition, the Contractor may l	ose their preference designation and/or lose their
ability to bid o	on public works for a period o	f time, pursuant to
NRS 338:		

- The Contractor shall ensure at least 50 percent of workers employed on the public work possess a Nevada driver's license or identification card;
- The Contractor shall ensure all vehicles used primarily for the public work will be registered and (where applicable) partially apportioned to Nevada;
- The Contractor shall ensure payroll records related to this project are maintained and available within the State of Nevada.

These requirements are not applicable to Contractors who do not use the "Bidder's Preference" eligibility certificate in their bid or do not receive an advantage in ranking of bids due to their preference status.

Signature:	
Print Name:	
Title:	
Date:	

Bid 2025-OP03 Page 13:35



### X. ACKNOWLEDGMENT AND EXECUTION

(Name of Principal) being first duly sworn, deposes and says: That he/she is the Bidder, or authorized agent of the Bidder for whom the aforesaid described work is to be performed by; that he/she has read the Plans, Specifications, and related documents including but not limited to, any addenda issued and understands the terms, conditions, and requirements thereof; that if his/her bid is accepted that he/she agrees to furnish and deliver all materials except those specified to be furnished by the Authority and to do and perform all work for the bidding **RFP# 2025-OP03, PWP-WA-2025-0315 National Bowling Stadium Electrical and Technology Upgrades** together with incidental items necessary to complete the work to be constructed and/or services to be provided in accordance with the Specifications, Plans, and Contract Documents annexed hereto.

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal, as principals, are those named herein, the Bidder is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid: that this proposal is made without collusion with any other person, firm or corporation; that he/she has carefully examined the location of the proposed work; the proposed form of Contract, the Contract Provisions, Plans, Specifications and Contract Documents incorporated therein referred to and made part thereof; that he/she proposes and agrees if this proposal is accepted, that he/she will contract with the Authority in the form of the Contract prescribed, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the Contract and annexed Contract Provisions, Plans and Specifications, in the manner and time prescribed and according to the requirements of the Project Representative as therein set forth, it being understood and agreed that the quantities shown herein are approximate only and are subject to increase or decrease, and that he/she will accept, in full, payment therefore the indicated prices.

Signature:
Print Name:
Title:
Date:

Bid 2025-OP03 Page 14:35



### XI. PERFORMANCE BOND, PAYMENT BOND, AND BID BOND

All Bonding Companies must have an "A" rating or better with Moody's or A.M. Best Company and be included on the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bond and as Acceptable Reinsuring Companies" as published in circular 570 (as amended) by the audit staff, Bureau of Accounts, U.S. Treasury Department. (In other words, the company is T-listed.)

### A. Performance Bond

The Contractor awarded this bid will be required to furnish the Authority with a surety bond conditioned upon the faithful performance of the contract. This may take the form of a bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority. The bond shall be in a sum equal to one hundred percent (100%) of the amount of the contract price. Such bond shall be forfeited to the Authority in the event that bidder receiving the contract shall fail or refuse to fulfill the requirements and all terms and conditions of the contract.

### B. Payment Bond

The Contractor awarded this bid will be required to furnish the Authority with a payment bond. This may take the form of a bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority. The bond shall be in a sum equal to one hundred percent (100%) of the amount of the contract price. The bond must be solely for the protection of claimants supplying labor or materials to the contractor to whom the contract was awarded, or to any of his subcontractors, in the prosecution of the work provided for in such contract.

### C. Bid Bond

A bid deposit in an amount equal to at least 5% of the bid is required as a bid security by the Authority. The bid security may only be in cash, cashier's check, certified check or bid bond. Checks must be made payable to the Reno-Sparks Convention and Visitors Authority. If the bid security is a bond, it shall be executed by a surety insurer authorized to issue surety bonds in the State of Nevada. The bid security must be executed by the bidder and enclosed with the bid proposal in the sealed bid envelope.

### XII. GENERAL TERMS & CONDITIONS

### A. The bidder agrees that

Bidder has carefully examined the specifications, and all provisions relating to the item(s) to be furnished or the work to be done; understands the meaning, intent, and requirements; and

Bidder will enter into a written Agreement and furnish the item(s) or complete the work in

Bid 2025-OP03 Page 15:35



the time specified, and in strict conformity with the Reno Sparks Convention and Visitors Authority's specifications for the prices quoted.

No communication to any other staff or Board Member of the Authority regarding this Bid is allowed, except through the designated point of contact, and any such communication initiated by the Bidder may result in a disqualification of the Bidder.

**Note:** Bidder is defined as any individual, partnership, or corporation submitting a bid, proposal, or quotation in response to a request for bid (Bid), request for proposal (RFP), request for information (RFI) or request for qualification (RFQ). A Bidder may also be referred to as a bidder, contractor, proposer, supplier, or vendor.

The use of the title "Bidder", "Contractor", "Consultant" "Proposer", or "Vendor" within this solicitation document and any resulting Agreement shall be deemed interchangeable and shall refer to the person or entity with whom the Authority is soliciting and/or contracting for the service or product referenced within the bid document.

### B. Addenda

The effect of all addenda to the bid documents shall be considered in the bid and said addenda shall be made part of the bid documents and shall be returned with them. Before submitting a bid, each Bidder shall ascertain whether or not any addenda have been issued, and failure to acknowledge any such addenda may render the bid invalid and result in its rejection.

All potential Bidders are responsible for monitoring the Authority website regarding the availability of new bid documents or addenda (where applicable). The Authority will not be responsible for the results of any potential failures in automatic notification systems to potential Bidders or plan holders with respect to these documents and will not adjust bid schedules or requirements due to any potential failures of those systems.

### C. Advertisements, Product Endorsements

Authority employees are prohibited from making endorsements, either implied or direct, of commercial products or services without written approval of the Authority President/CEO.

### D. Annual Appropriation of Funds

In the event the Authority fails to obligate requisite funds for the ensuing fiscal year(s) for payment of amounts due against an agreement resulting from this Request for Proposal, necessitating cancellation of the Agreement, the successful Bidder(s) shall agree to hold the Authority free from any charge or penalty.

### E. Brand Names

The herein contained technical information shall in no manner be construed as restrictive as to the manufacturer, process or point of origin. References appearing restrictive shall be

Bid 2025-OP03 Page 16:35



deemed inadvertent or employed as a descriptive device to delineate as to the quality, or configuration.

Offers made as an alternate to those specified shall be given consideration in the evaluation process provided said alternatives shall be fully described using brochures, specifications, literature, or any combination thereof, accompanying and deemed an integral portion of the Bidder's response.

The Authority shall solely determine the acceptability of all offerings.

### F. Business License Requirement

All companies doing business with the Authority are required to obtain and maintain a current business license from the appropriate jurisdiction prior to the commencement of work. Bidder(s) awarded an Agreement resulting from this bid shall be required to obtain a current business license if they do not already possess one.

### G. Compliance

All material and work performed shall comply with standing Federal, State, and Local Codes and Regulations, including but not limited to Occupational Safety and Health Act, Americans with Disabilities Act, etc.

### H. Confidential Information

Any information deemed confidential or proprietary should be clearly identified by the Bidder as such. It may then be protected and treated with confidentiality only to the extent permitted by state law. Otherwise, the information shall be considered a public record. Information or data submitted with a bid will not be returned.

### I. Conflict of Interest

No Authority employee or member of the employee's immediate family, may participate directly or indirectly in the procurement process pertaining to this bid if they:

- Have a financial interest or other personal interest that is incompatible with the proper discharge of their official duties in the public interest or would tend to impair their independence, judgment, or action in the performance of their official duties.
- Are negotiating for or have an arrangement concerning prospective employment with Bidder. The Bidder warrants to the best of his knowledge that the submission of the bid will not create such conflict of interest.

### J. Default of Agreement

In case of default by the successful Bidder, the Authority may procure the product(s) or service from other sources and hold the Bidder responsible for any excess cost occasioned thereby.

Bid 2025-OP03 Page 17:35



If necessity requires the use of materials or supplies not conforming to the specifications, they may be accepted, and payment therefore shall be made at a proper adjustment in price.

Default by the Bidder in any manner including failure or refusal to furnish any product(s) or service at the price and/or the time specified may be considered cause to commence with proceedings against any surety held or assess a penalty equal to five (5) percent of the total proposal price.

### K. Disputes

All disputes under this proposal shall be submitted to binding arbitration in accordance with the procedures of the Commercial Rules of the American Arbitration Association and judgment of the arbitrator shall be binding as a final judgment and shall be entered by a court of competent jurisdiction. Such arbitration shall be conducted in Washoe County, Nevada. The procedures specified herein shall be the sole and exclusive procedure for resolution of disputes arising out of or relating to this proposal except those instances otherwise overseen by the governing law of the State of Nevada.

### L. Document Ownership

All technical documents and records originated or prepared pursuant to this Agreement, including papers, reports, charts, and computer programs, shall be delivered to and become the exclusive property of the Authority and may be copyrighted by the Authority. Bidder assigns all copyrights to Authority by undertaking this agreement.

### M. Document Submittals

It should be noted that the documents submitted by prospective Bidders are competitive sealed proposals and not competitive sealed bids. When proposals are opened, prices and other information will not be made public until the proposal is awarded. There shall be no disclosure of any Bidder's information to competing Bidders prior to the award of the proposal.

Upon award of the Agreement, the executed Agreement and proposals will become public information. Accordingly, each proposal should be submitted on the vendor's most favorable terms from a price and technical standpoint.

### N. Evaluation and Recommendation, Selection and Agreement

The Authority reserves the right to waive any informalities or irregularities.

The Authority reserves the right to alter, amend, or modify any provisions of this Bid, or to withdraw this Bid, at any time prior to the award of an Agreement pursuant hereto.

The Authority reserves the right to hold responses for a period of ninety (90) days from the date of opening before awarding or rejecting said responses.

Severability exists with regard to acceptance or rejection of any item, group of items, or

Bid 2025-OP03 Page 18:35



section unless the Bidder has stipulated specific limitations.

Once a final selection has been made as described above, the Authority will work with the Bidder on preparing an Agreement (the "Agreement") for execution, which will set forth the terms and scope of the engagement of the selected Bidder, including, but not be limited to, the terms set forth in this Bid. If the Authority and the selected Bidder have not executed a negotiated agreement within fifteen (15) business days after selection by the Authority, the Authority may terminate negotiations with that selected Bidder and may initiate negotiations with an alternative Bidder.

No Agreement may be assigned to any other person or entity.

Upon notification of selection and full execution of the Agreement, the Bidder selected must be duly licensed to conduct business in the State of Nevada, Washoe County, and the City of Reno. Proof of certificates, licenses, and permits must be submitted to the Authority Finance Department before work can begin. Cost of all required certificates, licenses, and permits are the responsibility of the Bidder.

### O. Exceptions

A Bidder deviating from specifications must specify any and all deviation(s). Failure to note said exceptions shall be interpreted to convey that the Bidder shall propose to perform in the manner described and/or specified in this bid solicitation. If exception(s) are taken or alternatives offered, complete descriptions must be shown separately.

### P. Indemnification

The Bidder hereby agrees to indemnify and to save and hold harmless the Authority and their agents from any and all claims, actions, costs, expenses, (including attorney's fees), liability, damages or payments incurred by reasons of any bodily injury including death or property damage resulting from the Bidder's operations.

### Q. Insurance

The Agreement contemplated by this Bid will require that the successful Bidder shall procure and maintain, at its sole expense the following minimum insurance coverage:

**Commercial General Liability.** Commercial General Liability at least as broad as Insurance Services Office policy form CG 00 01 04/13, or equivalent, providing coverage on an occurrence form for Bodily Injury, Property Damage, Liquor Liability, Independent Proposers, Personal Injury, Broad Form Property Damage, Broad Form Contractual Liability and Medical Payments. The limits of liability shall not be less than Two Million Dollars (\$2,000,000) per occurrence, Four Million Dollars (\$4,000,000) general aggregate for both bodily injury and property damage.

The policy shall include the Authority and its agents, beneficiaries, partners, employees, the County of Washoe, and the Authority of Reno as additional insureds including coverage for premises/operations and products/completed operations with coverage at least as broad as Insurance Services Office (ISO) endorsement form CG 20 10 12/19 and CG 20 37 12/19.

Bid 2025-OP03 Page 19:35



The policy shall provide that coverage is provided on a primary basis, not excess or contributing with or secondary to any other insurance as may be available to the additional insureds.

Proposer waives all rights against the Authority, and its agents, beneficiaries, partners, employees, the County of Washoe, and the Authority of Reno any other Indemnitees listed in this this Agreement for recovery of damages to the extent these damages are covered by the commercial general liability or commercial umbrella liability insurance maintained pursuant to this agreement. Proposer's insurer shall endorse CGL policy to waive subrogation against with respect to any loss paid under the policy.

**Automobile Liability.** Automobile Liability at least as broad as Insurance Services Office Business Auto Coverage Form CA 00 01 04/13, or equivalent, providing coverage for Bodily Injury and Property Damage resulting from the ownership, maintenance, or use of any auto, whether owned, rented or hired or non-owned. The limit of liability shall not less than One Million Dollars (\$1,000,000) combined single limit (CSL) for bodily injury and property damage.

**Workers' Compensation and Employer's Liability.** Workers' Compensation at least as broad as National Council on Compensation Insurance (NCCI) policy form WC 00 00 00 C 01/15, or equivalent, providing coverage meeting the requirements of the Workers' Compensation law of the State of Nevada. To the extent such waivers are obtainable from the insurance carriers, the policy shall include an endorsement waiving the insurance company's rights of subrogation against the Authority, its agents, beneficiaries, partners, employees, the County of Washoe, and Authority of Reno. This endorsement shall be at least as broad as National Council on Compensation Insurance (NCCI) Waiver of Our Right to Recover from Others Endorsement form WC 00 03 13 04/84.

**Property.** Property insurance on an All-Risk or Special Form providing coverage for personal property of the Bidder.

**Blanket Employee Dishonesty Coverage.** The Proposer shall maintain crime insurance including coverage for the loss of money, securities, and other property by the Proposer's employees, sub-contractors, or other parties with a limit not less than \$1,000,000 per occurrence. Coverage shall be endorsed to include coverage for loss of money, securities and other property in the care, custody, or control of Proposer whether in transit or at a permanent or temporary premises.

**Form of Coverage.** All such insurance maintained by the Bidder shall be: issued by insurance companies authorized to do insurance business in the State of Nevada, issued by insurance companies with current A.M. Best financial ratings of at least A X or better satisfactory in form and substance to Authority.

All insurance and bond shall provide that the policy shall not be cancelled, nor shall coverage be reduced thereunder until after thirty (30) days written notice to the Authority at Reno-Sparks Convention & Visitors Authority, Post Office Box 837, Reno, Nevada 89504-0837.

The Bidder shall deposit each policy or a certificate thereof with Authority no less than thirty

Bid 2025-OP03 Page 20:35



(30) days prior to the start of the agreement date.

### R. Items Offered

If the item offered by the Bidder has a trade name, brand and/or catalog number, such shall be stated in the bid. If the Bidder proposes to furnish an item of a manufacturer or vendor other than that mentioned on the face hereof, Bidder must specify maker, brand, quality, catalog number, or other trade designation. Unless such is noted on the bid form, it will be deemed that the item offered is that designated even though the bid may state "or equal".

### S. Late Bids, Modifications, or Withdrawals

Bids, modifications of bids, or bid withdrawals received after the exact time and date specified for receipt will not be considered.

Within the scope of this proposal, the Authority shall be held harmless in any and all transactions between the Bidder and the other participating governmental entities.

### T. Lawful Performance

Vendor shall abide by all Federal, State and Local Laws, Ordinances, Regulations, and Statutes as may be related to the performance of duties under this agreement. In addition, all applicable permits and licenses required shall be obtained by the vendor, at vendor's sole expense.

### **U.** Litigation Warranty

The Bidder, by bidding, warrants that Bidder is not currently involved in litigation or arbitration concerning the materials or Bidder's performance concerning the same or similar material or service to be supplied pursuant to this Agreement of specification, and that no judgments or awards have been made against Bidder on the basis of Bidder's performance in supplying or installing the same or similar material or service, unless such fact is disclosed to the Authority in the bid. Disclosure may not disqualify the Bidder. The Authority reserves the right to evaluate bids on the basis of the facts surrounding such litigation or arbitration and to require Bidder to furnish the Authority with a surety bond executed by a surety company authorized to do business in the State of Nevada and approved by the Authority in a sum equal to one hundred percent (100%) of the Agreement price conditional on the faithful performance by Bidder of the Agreement in the event the bid is awarded to Bidder, notwithstanding the litigation or arbitration.

### V. Non-Discrimination

No Bidder providing a service, program, or activity to the public on behalf of the Authority shall discriminate against any person because of sex, race, color, creed, national origin or disability, and shall comply with the Americans with Disability Act and Authority's policies pursuant thereto when providing said service, program or activity.

The Authority is an Affirmative Action/Equal Opportunity Employer. Bidders shall be cognizant

Bid 2025-OP03 Page 21:35



of the requirements for compliance with Executive Order 11246, entitled "Equal Employment Opportunity" as amended by Executive Order 11375 and as supplemented in regulations of the U.S. Department of Labor (41 CFR part 60).

The Contractor and any Subcontractors will comply with the requirements set forth in Nevada Revised Statutes Chapter 338 regarding public works, including, but not limited to, the provisions of NRS 338.125 which provides that the Contractor and Subcontractors may not discriminate in any of their employment practices.

### W. Open Meeting Law

NRS 241 provides that public business will be conducted in open meeting.

### X. Prevailing Wages

Bidder is responsible for complying with all applicable local, State and Federal wage laws, whether or not specifically cited in this bid document.

Per NRS Sections 338.020 through 338.090, certain projects defined as "public works" require the payment of the prevailing wage as determined by the Labor Commissioner. Projects/contracts for construction of a public work valued at less than \$100,000 are exempt from the prevailing wage requirement (NRS 338.080). Bidder shall be fully aware of the prevailing wage requirements of the State of Nevada as detailed in NRS Chapter 338 and price their bid response accordingly, where applicable. Further information concerning Prevailing Wage rates can be found at: <a href="mailto:publicworks@labor.nv.gov">publicworks@labor.nv.gov</a>

### Y. Apprenticeship Utilization Act

Senate Bill 82 passed during the 2023-2024 Legislative Session applies to Contracts Bid January 1, 2024, or after, to NRS 338.01165. These new provisions apply to bids for public works where the value exceeds \$100,000.00. In passing SB 82 The Legislature hereby finds and declares that: (1) Eliminates the threshold number of workers for the applicability of the requirements for using apprentices. (2) Applies those requirements based on all public works performed by a contractor or subcontractor during a calendar year instead of based on each public work; and (3) Limits the requirement to enter into an apprenticeship agreement to those contractors or subcontractors who are not signatories to a collective bargaining agreement with a sponsoring union. Guidelines may be found at: <a href="https://labor.nv.gov/Apprenticeship\_Utilization\_Act/apprenticeship\_utilization-act/">https://labor.nv.gov/Apprenticeship\_Utilization\_Act/apprenticeship\_utilization-act/</a>

### Z. Protests

**Pre-Opening Protests**: Any protest based upon restrictive specifications or alleged improprieties by the Authority, which are apparent prior to proposed opening including, without limitation, these protest procedures, shall be submitted to the Authority at least seven (7) days prior to the submission opening date. Three (3) copies of any pre-opening protests must be delivered to Reno-Sparks Convention & Visitors Authority, 4065 South Virginia Street, Suite 100, Reno, Nevada 89502, Attention: Chad Peters. All protests must be in writing to be considered and shall specify in detail the grounds for the protest and the facts and law supporting the protest. All pre-opening protests will be resolved by the Authority prior to the

Bid 2025-OP03 Page 22:35



submission opening. The Authority Finance Department will issue a written decision specifying the grounds for granting or denying the pre-opening protest. If a protest is granted, the proposed opening date may be postponed and an Addendum issued or, at the sole discretions of the Authority, the Authority may cancel the bid. If the protest is denied, submissions will be received and opened on the scheduled opening date in the same manner as if no protest had been filed.

**Appeal by Unsuccessful Bidder**: Any protest from an unsuccessful proposer must be submitted prior to award by the Board as established in NRS 332.068. Bidder must submit a written appeal in accordance with the requirements set forth herein to the Finance Department within five business days from the date of the letter notifying of intent to award.

The appellant must post a bond with the written appeal with good and solvent surety authorized to do business in the State of Nevada in an amount equal to 25% of the value of the contract in order to have their appeal heard by the Board. Any and all bonds are subject to the approval of the Board's Attorney. In the event the appeal is not upheld by the Board, a claim may be made against the bond in an amount equal to the expenses incurred and other monetary losses suffered by the Authority because of the unsuccessful appeal.

The route of appeal is the Vice President of Finance then the President/CEO, or designee, and must be followed sequentially. No Bid protests will be heard by the Board unless the proposer has followed the appeal process route.

### **Claims Against Protest Bonds:**

The Authority shall not make a claim upon any bond or other security unless and until the basis of that claim is considered and approved by the Board. The Authority may:

- Claim its regular staff time and costs in processing, considering and/or defending against an award protest.
- Claim any necessary extraordinary staff overtime incurred in processing, considering and/or defending against an award protest.
- Claim the Authority's Attorney time and costs in processing, considering and/or defending against an award protest.
- Claim any resulting fees and costs incurred to any independent contractors, consultants or contracted attorneys utilized in processing, considering and/or defending against an award protest.
- Claim any lost expenditure savings, lost revenue and other consequential financial damages resulting from the protest's automatic stay of the award of an Agreement to a selected solicitation response.
- Claim any lost gifts, lost grants or other lost government or private financial participation resulting from any delay caused by the protest's automatic stay of the award of an Agreement to a selected solicitation response.

### **Protest Bond Risk Inquiry—Procedure:**

As soon as possible after an award protester has posted a protest bond or other security, the soliciting Authority department or agency shall provide a written non-binding estimate of the basis of potential claims unique to the circumstances of the Agreement award(s) stayed by the protest, without disclosing any bid information that must remain confidential until an

Bid 2025-OP03 Page 23:35



award decision is final. From this estimate, the protester shall be responsible for calculating the risk(s) of proceeding with a protest to a final decision by the Board. A protester may withdraw a protest in writing at any time prior to a decision of the Board, but any withdrawal more than seven (7) calendar days after the issue date of the Authority's estimate of the basis of potential claims shall, upon Board's approval of the claims, be subject to claims against the bond or other security of the withdrawing protestor prior to its return to the protester.

### AA. Signature

All bids shall be signed, and the title and Bidder name indicated. A bid by a corporation shall be signed by an authorized officer, employee, or agent with his or her title.

### **BB.** Submission of Responses

The Authority assumes no responsibility for errant delivery of responses, including those relegated to a courier agent who fails to deliver in accordance with the submission time/date and address requirements.

The Authority will not be responsible for the premature opening of responses which are not properly addressed or identified.

The Authority will not accept a response submitted by telephone, telegraphic notice, facsimile, or e-mail.

Bidder will furnish the required information typed or written in ink.

The person signing the response must initial erasures or other changes in ink.

In the spaces provided, a duly authorized representative of the Bidder will sign this Bid document.

Bidder will proofread its response carefully for errors.

In the event of a difference between written words and figures, the amount stated in written words will govern.

In the event of a difference between unit price and extended price, the unit price will govern.

The Authority is not liable for any costs incurred by Bidder prior to entering into the final Agreement. Costs of developing the qualifications or any other such expenses incurred by the Bidder in responding to this Bid are entirely the responsibility of the Bidder, and shall not be reimbursed in any manner by the Authority.

Respondent shall be responsible to ensure they have complied in all respects with the provisions of NRS 338.141 regarding listing of general contractors and/or subcontractors who will perform any work on the project. Failure of Respondent to comply with the provisions of NRS 338.141 will result in rejection of Respondent's bid.

Respondent shall bear the responsibility to ascertain the relevancy of the "preference for

Bid 2025-OP03 Page 24:35



certain contractors" referenced in NRS 338.147. Respondents claiming preference shall submit with their Bid the "Certificate of Eligibility" issued by the State of Nevada Contractor's Board as proof of Contractor's compliance with the provisions of NRS 338.147. Failure to submit the Certificate of Eligibility with the sealed Bid shall result in the waiver of any bidder preference. In the event Respondent claims a bidder preference pursuant to NRS 338.147, the RSCVA strongly encourages Respondent to deliver to the RSCVA an affidavit satisfying the requirements of NRS 338.0117 with the Bid response. However, pursuant to NRS 338.147(2)(a)(3) the Respondent may deliver the foregoing affidavit up to two (2) hours after the opening of the bids, all as set forth in NRS 338.147(2)(a)(3). Failure to timely submit the foregoing affidavit shall result in a waiver of any bidder preference.

Bidder has carefully examined the specifications, and all provisions relating to the item(s) to be furnished or the work to be done; understands the meaning, intent, and requirements.

### CC. Tax Exemption

The Authority is a tax-exempt public entity and is not generally subject to federal excise, state, or local taxes. The Authority is specifically limited in its payment of sales tax per NRS 372.325. No additional taxes may be added or "passed through" as a result of any agreement.

### DD. Venue

This agreement shall be governed by and interpreted according to the laws of the State of Nevada, and venue for any proceeding shall be in Washoe County.

### **EE.** Withdrawal of Bids/Proposals

Bids/Proposals may be withdrawn by written or facsimile notice received prior to the exact hour and date specified for receipt of bid. A bid/proposal may also be withdrawn in person by a Bidder, or Bidder's authorized representative, prior to the exact hour and date set for receipt of bids. Telephone withdrawals are not permitted.

Bid 2025-OP03 Page 25:35



### **XIII. BASE BID FORM**

Project: 2025-OP03, PWP-WA-2025-315

2025-OP03 National Bowling Stadium – Electrical and Technology

Project Title: Upgrades

Reno, Nevada 89501 Project No. 2025-OP03

Reno-Sparks Convention and Visitors Authority

4065 S. Virginia St. Suite 100

Owner: Reno, Nevada 89502

**Amy Pickens** 

Telephone No. 775.335.8839

E-mail: apickens@visitrenotahoe.com

Bid 2025-OP03 Page 26:35



### **BID FORM**

To:	Reno-	Sparks Convention and Visitors Authority
Name	of Bidd	er:
Date o	of Bid:	
1.01		ant to and in compliance with the Invitation to Bid and the Bidding Documents g to the construction of:
		Electrical and Technology Updates RFP# 2025-OP03 PWP-WA-2025-315 National Bowling Stadium 300 University Way Reno, Nevada 89501
		Including Addenda
	the Bid the we ample to full equip	ndersigned, having become thoroughly familiar with the terms and conditions of dding Documents and with local conditions affecting the performance and cost of ork at the place where the work is to be completed and after having been given opportunity to fully inspect the site in all particulars, hereby proposes and agrees y perform the work, including furnishing any and all labor, materials, services, ment and all applicable taxes necessary to construct and complete said work in lance with the Contract Documents, for the following sum(s) of money:
	A.	Base Bid: National Bowling Stadium Electrical and Technology Updates
		Dollars (\$

Bid 2025-OP03 Page 27:35



### B. Performance Bond and Payment Bond

- 1. This bid includes the cost of a Performance Bond and Payment Bond. By signing and submitting this bid, the Bidder certifies that they will furnish these bonds in amounts sufficient to cover the total proposed cost of the work, including Base Bid and all Alternates. The bonds shall be amended and maintained current with all contract Change Orders.
- 2. The cost of these bonds is\_\_\_\_\_\_% of the total proposed cost of the work, including Base Bid and all Alternates.

### C. Bid Bond

Accompanying this bid is a bid bond as specified in Section XI.
 Instructions to Bidders, payable without condition to the Owner, equaling no less than 5% of the total proposed cost of the work, including the Base Bid and all Alternates. It is agreed that the bid security will be the measure of liquidated damages which the Owner will sustain by failure, neglect, or refusal of Bidder to deliver the signed contract, bonds, and required insurance documentation within ten days after notification of contract award is made by the Owner.

### D. Change Orders

- 1. The following fees shall be used for lump sum pricing and actual cost pricing of additions and deletions to the work required by the Contract Documents. The following fees are not applicable for unit price-based change orders; and shall not be applied to hourly rates or pricing to which overhead and profit have been included, or to taxes.
  - a. For any additions to the work authorized by the Owner:

The contract sum shall be revised to include the actual cost of the work required for such additions plus percent (\_\_\_\_\_%).

b. For deletions from the work authorized by the Owner:

Bid 2025-OP03 Page 28:35



- E. Time of Commencement, Completion and Damages
  - 1. Awarded Bidder will work with point of contact on scheduling times to be in the National Bowling Stadium. The Electrical Upgrades will need to operate around the current National Bowling Stadium, events calendar.

2.	Final comple	etion, in	cluding	delivery	of all	closeout sub	omittals an	C
	warranties,	shall b	e achie	ved with	in		calenda	ar
	days.							

- 3. In submitting this bid, the Bidder assures the Owner that availability of labor, material, equipment, services, and other necessary resources are available.
- **1.02** By signing this bid, the Bidder certifies the following:
  - A. All information submitted on this bid form is accurate and true to the best of the Bidder's knowledge, and the Bidder has performed due diligence as necessary to provide responsible information.
  - B. This bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.
  - C. This bid is in compliance with all local, state, and applicable codes.
  - D. The Bidder and any proposed Subcontractors are duly licensed with all applicable authorities having jurisdiction, as required to legally perform the work described by the Bidding Documents at the project location.
  - E. The Bidder will maintain strict confidentiality with respect to information submitted on this bid form, any project-related documents obtained during the bidding process, photographic or video images of the site, project-related emails or other correspondence, or information learned through visual review of the facility or project site.
  - F. Bidder will comply with the terms of any confidential agreements made with the Owner during the bidding of this project, as applicable.
  - G. This bid shall remain open and not be withdrawn for a period of 90calendar days from the date prescribed for its opening.
  - H. If the Owner provides written notice of award to the undersigned within 90 calendar days, the Bidder shall execute and deliver the signed contract agreement, Performance Bond, Payment Bond, required insurance documentation, and any other submittals as specified in the Bidding Documents, together, all within ten calendar days after the Owner issues the notice of award.

Bid 2025-OP03 Page 29:35



- I. The Bidder is an equal opportunity employer, and does not discriminate, and will take "affirmative action" measures to ensure against discrimination in employment, recruitment, advertisements for employment, compensation, termination, upgrading, promotions, and other conditions of employment against any employee or job applicant on the bases of race, creed, color, national origin, sex, or any other legally protected characteristics. No person will be adversely affected in employment with the employer as a result of bringing complaints of unlawful discrimination.
- J. The Bidder provides a work environment that is free from harassment based upon an individual's sex, race, ethnicity, national origin, age, religion or any other legally protected characteristics. All employees, including supervisors and other management personnel, are expected and required to abide by this policy. No person will be adversely affected in employment with the employer as a result of bringing complaints of unlawful harassment.
- **1.03** By signing this bid, the Bidder implies their understanding of the following conditions:
  - A. The Owner reserves the right to reject any and all bids, waive irregularities or technicalities in any bid, and accept any bid in whole or in part which it deems to be in its best interest.
  - B. If notice of award is issued after 90 calendar days from the bid due date, the Bidder shall have the right to either accept the contract or withdraw their bid, without penalty.
- **1.04** The name(s) and title(s) for all persons interested in the foregoing bid as principal(s) are:

**Note:** If Bidder is a corporation, provide names of president, controller, and secretary; if a partnership, and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

Name	Title

Bid 2025-OP03 Page 30:35



- **1.05** Notice of award or requests for additional information may be addressed to the undersigned at the address set forth below.
- **1.06** The Legal Name, State of Incorporation, Address, Contact Information, and Federal Tax Identification Number for the Bidder are:
  - **Note:** If Bidder is a corporation, provide legal name of corporation, state where incorporated, together with the address and contact information and signature of the officer authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, provide legal name of firm, together with the address and contact information and signature(s) of the partner(s) authorized to sign contracts on behalf of the partnership.

Legal Name of Bidder:								
State of Incorporation	:							
Business Address:								
Telephone Number: 								
E-mail Address:								
Federal Tax ID Numb	er:							

Bid 2025-OP03 Page 31:35



### **1.07** Signature of Authorized Bidder Representative

Signature:	
Typed Name:	
Title:	
Date:	

-End of Section-

Bid 2025-OP03 Page 32:35



### XIV. RENO-SPARKS CONVENTION AND VISITORS AUTHORITY – 5% BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned	
	as "Principal," and
	as "Surety," are
hereby held and firmly bound unto the Reno-Sparks Convention a	and Visitors Authority
as "Obligee," in the penal sum of	
dollars (\$) for the payment of which, w	vell and truly to be
made, the Principal and Surety bind themselves, their heirs, exec	utors, and
administrators, successors, and assigns, jointly and severally, by	this instrument.
The condition of the obligation of this bid bond is as follows:	

WHEREAS NRS 332.105 authorizes local governments to require bid bonds to ensure execution and proper performance of the Contract and the Bonding Company has an "A" or better rating with Moody's or A.M. Best and T-Listed with the U.S. Treasury Department;

AND, WHEREAS, the Principal has submitted a bid for Bid # 2025-OP03, PWP-WA-2025-315 for the National Bowling Stadium — Electrical and Technology Upgrades

NOW, THEREFORE,

- (a) If said Bid shall be rejected; or
- (b) If said Bid shall be accepted and the Principal shall execute and deliver the contract in the bid documents ("Contract") to Obligee in accordance with the terms of the bid documents, and give such bond or bonds as may be specified in the bid or contract documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or
- (c) If the Principal shall pay to the Obligee the full amount of the bid bond as a penalty irrespective of the Obligee's actual damages in the event of the failure of the Principal to enter into such Contract and give such bond or bonds, then, this obligation shall be null and void. Otherwise, it shall remain in full force and effect, it being expressly understood and agreed that the liability of the Surety (but not of the Principal) for any and all claims hereunder shall, in no event, exceed the penal amount of the obligation as herein stated. The Surety, for the consideration for which this bond was executed, hereby stipulates, and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such bid, and hereby waives notice of any such extension.

Bid 2025-OP03 Page 33:35



IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands, and the Surety has caused their seal to be hereto affixed and these present to be signed by their proper officers.

Signed, Sealed, and dated:		
	Principal By:	
	Surety	
	Surety By:	

Bid 2025-OP03 Page 34:35



### **Scope of Work**

### Attachment A

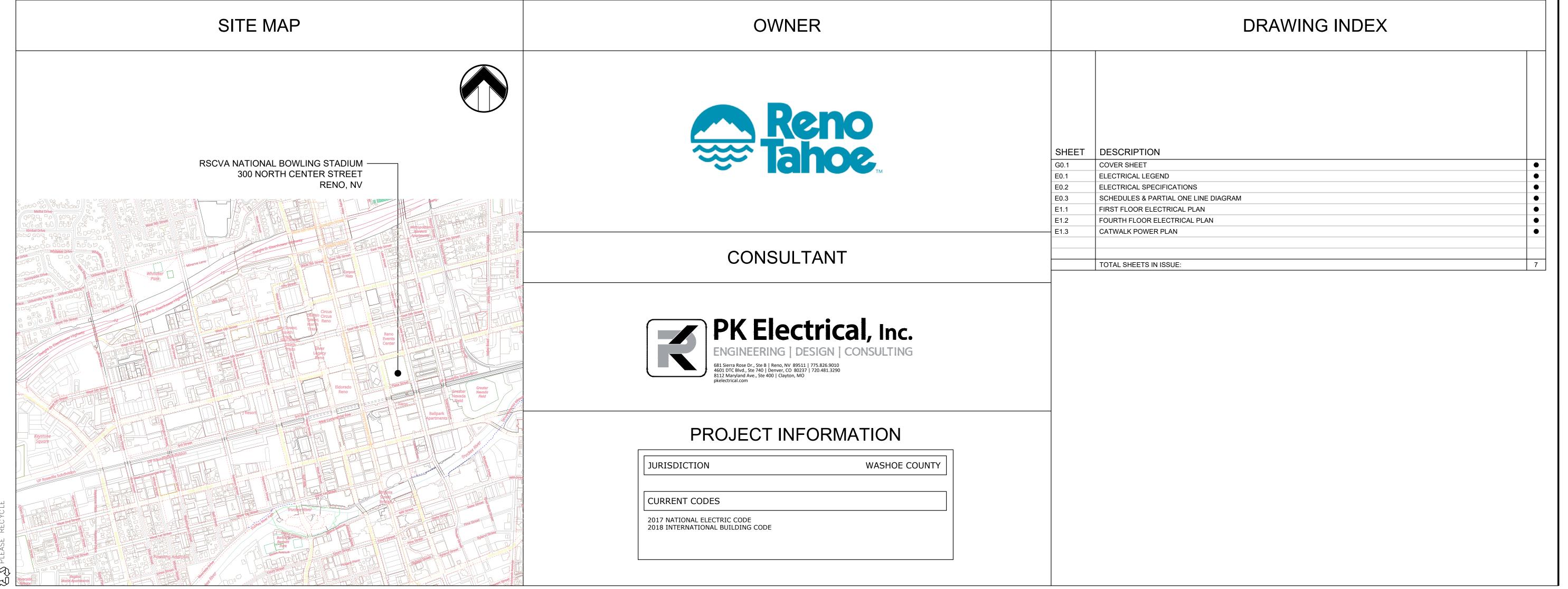
Electrical and Technology Upgrades RFP 2025-OP03 PWP-WA-2025-315 National Bowling Stadium 300 University Way Reno, NV 89501

Bid 2025-OP03 Page 35:35

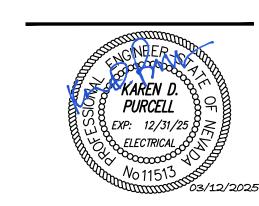
### RSCVA NATIONAL BOWLING STADIUM VARIOUS ELECTRICAL & TECHNOLOGY UPGRADES

300 North Center Street Reno, NV 89501

Permit Documents March 12, 2025







# SCVA NATIONAL BOWLING STADI VARIOUS ELECTRICAL AND TECHNOLOGY UPGRADES

REVISIONS

SHEET TITLE COVER SHEET

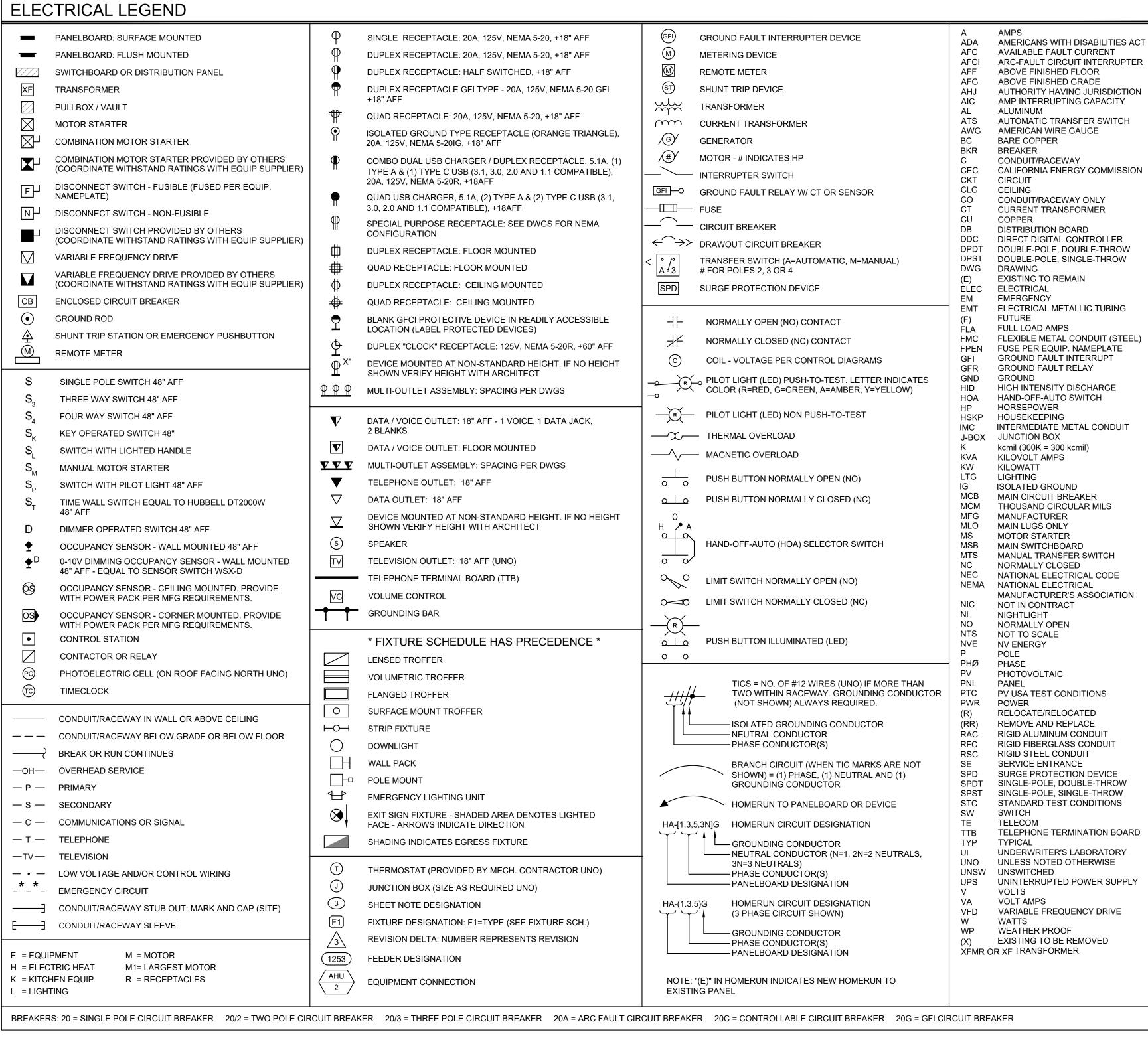
 DRAWN:
 TPT

 CHECKED:
 KDP

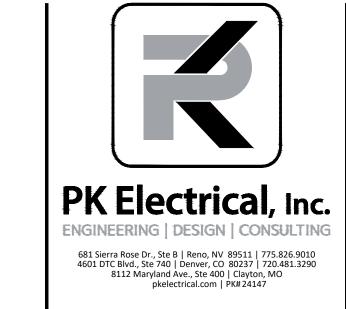
 DATE:
 3/12/25

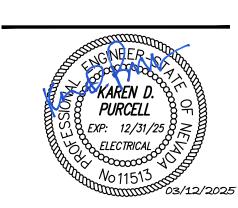
 JOB NUMBER:
 24220

G0.1



NOTE: THIS IS A MASTER SYMBOL LIST. IT MAY BE THAT NOT ALL SYMBOLS SHOWN ARE USED WITHIN THIS SET OF PLANS. HEIGHTS GIVEN ARE TO TOP OF BOX.





# · O Z

REVISIONS

SHEET TITLE ELECTRICAL LEGEND

KDP 3/12/25 24220 PROJECT MGR:

### ITEM DESCRIPTION SUMMARY OTHERWISE ADOPTED CODES EFINITIONS PROVIDE INSTALL WORK EQUAL REQUIREMENTS OF REGULATORY AGENCIES

SECTION 260000 ELECTRICAL SPECIFICATIONS THE WORK UNDER THIS DIVISION SHALL CONSIST OF ALL LABOR, MATERIALS, EQUIPMENT, SERVICES AND RELATED ACCESSORIES, ETC., NECESSARY AND REQUIRED TO COMPLETE ALL WORK AS SHOWN OR INFERRED ON THE DRAWINGS AND IN THE SPECIFICATIONS (CONTRACT DOCUMENTS). PROVIDE FIXED ELECTRICAL EQUIPMENT, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. PROVIDE EQUIPMENT AND/OR WIRING NORMALLY FURNISHED OR REQUIRED FOR COMPLETE ELECTRICAL SYSTEMS BUT NOT SPECIFICALLY SPECIFIED ON THE DRAWINGS AND/OR IN SPECIFICATIONS, AS THOUGH ALL EQUIPMENT AND WIRING SHALL BE NEW, EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED ELATED WORK SPECIFIED ELSEWHERE COORDINATION: THE CIVIL, ARCHITECTURAL, MECHANICAL, KITCHEN AND INTERIOR DRAWINGS CONTAIN DETAIL DESCRIPTIONS, CIRCUITING AND CONNECTION REQUIREMENTS WHICH ARE PART OF DIVISION 26 RESPONSIBILITIES. ELECTRICAL CONTRACTOR SHOULD NOT SUBMIT BIDS ON THIS PROJECT BEFORE REVIEWING ALL PROJECT DRAWINGS, SPECIFICATIONS AND ADDENDA. INTERNATIONAL BUILDING CODE (IBC) PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC). NATIONAL ELECTRICAL CODE (NEC) PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION INTERNATIONAL FIRE CODE (IFC) PUBLISHED BY THE INTERNATIONAL CODE COUNCIL. NATIONAL FIRE CODES (NFPA STANDARDS) PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS REFERENCED IN THE 2006 INTERNATIONAL FIRE CODE. INTERNATIONAL ENERGY CONSERVATION CODE (IECC) PUBLISHED BY THE INTERNATIONAL CODE

COUNCIL. ASHRAE / IESNA STANDARD 90.1-2004 IS INCORPORATED BY REFERENCE. ALL APPLICABLE PROVISIONS OF THE NEVADA REVISED STATUTES (NRS) AND THE NEVADA ADMINISTRATIVE CODE (NAC), INCLUDING THOSE LISTED BELOW.

THE MOST CURRENT REGULATIONS OF THE STATE FIRE MARSHAL, NEVADA DEPARTMENT OF PUBLIC SAFETY, CARSON CITY, NEVADA (NAC CHAPTER 477, STATE FIRE MARSHAL). THE MOST CURRENT EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)

FURNISH, INSTALL, CONNECT AND TEST UNTIL COMPLETE FURNISH ALL NECESSARY WIRING, CONNECT AND TEST UNTIL COMPLETE FURNISH, SET IN PLACE, WIRE AND TEST UNTIL COMPLETE MATERIALS COMPLETELY INSTALLED, CONNECTED, AND TESTED UNTIL COMPLETE ACCEPTABLE EQUAL AS DETERMINED BY THE ENGINEER

OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK. COMPLY WITH ALL ORDINANCES PERTAINING TO WORK DESCRIBED HEREIN. PAY ALL EXPENSES ARISING FROM THE PROCUREMENT OF THESE CERTIFICATES AND INCLUDE IN THE BASE CONTRACT PRICE. INSTALL WORK UNDER THIS DIVISION PER DRAWINGS. SPECIFICATIONS, LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, (NFPA-70) INCLUDING LOCAL AMENDMENTS AND INTERPRETATIONS, LOCAL ADOPTED BUILDING CODES, AND ANY SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK WITHIN COMPLETE INSTALLATION. IN EVENT OF CONFLICT, INSTALL WORK PER MOST STRINGENT CODE REQUIREMENTS DETERMINED BY ENGINEER. THIS DOES NOT RELIEVE THE

CONTRACTOR FROM FURNISHING AND INSTALLING WORK SHOWN OR SPECIFIED WHICH MAY EXCEED THE REQUIREMENTS OF SUCH ORDINANCES, LAWS, REGULATIONS AND CODES. ALL MATERIALS, PRODUCTS, DEVICES, FIXTURES, FORMS OR TYPES OF CONSTRUCTION INCLUDED IN THIS PROJECT SHALL MEET OR EXCEED THE PUBLISHED REQUIREMENTS OF NATIONAL ELECTRICAL CODE (NEC), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) AND NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONS (NEMA). ALL EQUIPMENT SHALL BEAR THE UNDERWRITER'S LABORATORIES (UL) LABEL OR EQUIVALENT FROM

APPROVED INDEPENDENT TESTING LABORATORY. ARRANGE, PAY FEES FOR AND COMPLETE WORK TO PASS REQUIRED TESTS BY AGENCIES HAVING AUTHORITY OVER WORK. DELIVER TO ENGINEER COPIES OF THE CERTIFICATES OF INSPECTION AND APPROVAL ISSUED BY AUTHORITIES AND PROVIDE ORIGINAL COPY OF EACH CERTIFICATE TO OWNER. WHEN REQUIRED BY LAW OR REGULATIONS, THE GOVERNMENTAL AGENCY HAVING JURISDICTION FOR

INSPECTIONS SHALL BE GIVEN REASONABLE NOTICE AND OPPORTUNITY TO INSPECT THE WORK. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTOR'S EXPENSE; AFTER IT HAS BEEN INSPECTED, THE CONTRACTOR SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT THEIR OWN EXPENSE. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WORK CALLED FOR BY ONE IS BINDING AS IF

CALLED FOR BY BOTH. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DURING THE BIDDING PERIOD. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE TO THE CONTRACTOR BY REASON OF THEIR FAILURE TO HAVE BROUGHT SAID DISCREPANCIES TO THE ATTENTION OF THE CONSULTANT DURING THE BIDDING PERIOD OR BY REASON OF ANY ERROR ON THE CONTRACTOR'S PART. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHOW GENERAL RUN OF CIRCUITS AND APPROXIMATE LOCATION OF EQUIPMENT. THE CONTRACTOR SHALL REVIEW DRAWINGS

OF ALL TRADES TO ASSURE COORDINATION PRIOR TO PLACEMENT OF WORK. RIGHT IS RESERVED TO CHANGE LOCATION OF EQUIPMENT AND DEVICES, AND ROUTING OF CONDUITS WITHIN 10 FEET, WITHOUT USE DIMENSIONS IN FIGURES, SHOP DRAWINGS, ETC. AND ACTUAL SITE MEASUREMENTS IN PREFERENCE TO SCALED DIMENSIONS. DO NOT SCALE DRAWINGS FOR EXACT SIZES OR LOCATIONS -

USE DIMENSIONED DETAILS OR ACTUAL FIELD CONDITIONS. VERIFY ITEM MOUNTING HEIGHTS AS REQUIRED BY PROJECT CONDITIONS PRIOR TO ROUGH-IN. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS IN MATTERS OF DIMENSIONS. DISCREPANCIES BETWEEN DIFFERENT DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO

THE ATTENTION OF THE ENGINEER IN WRITING FOR DETERMINATION. LAYOUT EQUIPMENT AS SHOWN ON DRAWINGS AS CLOSE AS POSSIBLE. VERIFY ACCESS REQUIREMENTS FOR EQUIPMENT ACTUALLY FURNISHED, AND ADJUST LAYOUT TO COMPLY WITH NEC 110. RIGHT IS RESERVED TO CHANGE LAYOUT WITHIN 10 FEET WITHOUT ADDITIONAL COST (PRIOR TO ROUGH-IN).

ALL DEVICES, LIGHT FIXTURES, ETC. LOCATED IN CEILING TILES SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE UNLESS SPECIFICALLY NOTED OR APPROVED TO DO OTHERWISE. THE CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE AND CONFIRM THE MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERS, DOORWAYS, AND OTHER

ARCHITECTURAL, MECHANICAL OR STRUCTURAL WORK. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS, USE ACTUAL BUILDING DIMENSIONS EXECUTION OF CONTRACT IS EVIDENCE THAT CONTRACTOR HAS EXAMINED ALL EXISTING CONDITIONS, DRAWINGS AND SPECIFICATIONS RELATED TO WORK, AND IS INFORMED TO EXTENT AND CHARACTER OF WORK. LATER CLAIMS FOR LABOR AND MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED,

WHICH COULD HAVE BEEN FORESEEN HAD EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED. ALL WORK CALLED FOR IN THIS SECTION OF THE PLANS AND SPECIFICATIONS SHALL BE PERFORMED UNDER THIS SECTION, REGARDLESS OF WHETHER SUCH WORK MAY ALSO HAVE BEEN CALLED FOR IN OTHER SECTION(S). DISCREPANCIES IN OR CONFLICTS AMONG THE VARIOUS PARTS OF THE CONTRACT DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF THEIR OBLIGATION TO PERFORM.

NO ATTEMPT HAS BEEN MADE TO ESTABLISH THE REQUIRED SECTIONS OR SPLITS OF EQUIPMENT RELATIVE TO THE SIZE OF ACCESS INTO THE SPACE, BUILDING, ETC. CONTRACTOR SHALL ESTABLISH ALL SAID SPLITS, SECTIONS, ETC. NECESSARY TO INSTALL EQUIPMENT COMPLETE WITHOUT UNDUE DISASSEMBLY OF EQUIPMENT OR DEMOLITION OF BUILDING PARTS AT SITE OF WORK. CHARGES FOR EXTRA WORK ARE NOT ALLOWED UNLESS WORK IS AUTHORIZED BY WRITTEN ORDER

FROM THE OWNER'S REPRESENTATIVE APPROVING CHARGES FOR WORK. CHECK ALL DOOR SWINGS SO LIGHTING CONTROL DEVICES ARE NOT LOCATED BEHIND DOORS. RELOCATE DEVICES AS REQUIRED WITH THE CONSULTANT'S REVIEW. HESE PLANS, SPECIFICATIONS, AND ALL RELATED ADDENDA AND DOCUMENTS CONSTITUTE COPYRIGHT MATERIALS OF PK ELECTRICAL. ALL RIGHTS CONFERRED BY THE COPYRIGHT AND SIMILAR LAWS ARE RESERVED TO PK ELECTRICAL. THESE MATERIALS SHALL REMAIN THE SOLE PROPERTY OF PK ELECTRICAL

AND MAY NOT BE REPRODUCED, DISTRIBUTED TO OTHERS OR USED FOR ANY PURPOSE WHATSOEVER

WITHOUT THE PRIOR WRITTEN CONSENT OF PK ELECTRICAL.

ITEM DESCRIPTION BEFORE ORDERING ANY EQUIPMENT, CONTRACTOR SHALL SUBMIT SIX COPIES OF FACTORY SHOP DRAWINGS FOR ALL LIGHTING FIXTURES, LIGHTING CONTROLS, SWITCHGEAR, PANELS, CIRCUIT BREAKERS, MOTOR CONTROLLERS, DISCONNECTS WIRING DEVICES, PLATES, RACEWAYS AND FITTINGS, ETC. PROPOSED FOR THIS PROJECT.

SUBSTITUTIONS PROPOSED SUBSTITUTIONS SHALL BE EQUAL OR SUPERIOR TO SPECIFIED ITEMS IN ALL RESPECTS DETERMINATION OF EQUALITY RESTS SOLELY WITH ENGINEER. SUBSTITUTIONS MUST BE SUBMITTED A MINIMUM OF 10 WORKING DAYS PRIOR TO BID FOR CONSIDERATION. PROPOSED SUBSTITUTIONS PROVIDED LATER WILL NOT BE REVIEWED OR ALLOWED. BID SUBSTITUTED MATERIAL WILL ONLY BE ALLOWED IF ACCEPTED IN WRITING BY ENGINEER.

**EXAMINATION OF SITE AND EXISTING CONDITION** BEFORE SUBMITTING A PROPOSAL, CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING OF THE AMOUNT OF WORK INVOLVED OR THEIR LACK OF KNOWLEDGE OF ANY SITE CONDITIONS WHICH MAY AFFECT THEIR WORK. ANY APPARENT VARIANCE OF THE DRAWINGS OR SPECIFICATIONS FROM THE EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO ATTENTION OF THE ENGINEER BEFORE SUBMITTING A PROPOSAL.

EXISTING OUTLETS AND CIRCUITING NOT IN CONFLICT WITH NEW CONDITIONS SHALL REMAIN. EXTEND OUTLETS TO NEW SURFACES, CAULK AND PROVIDE JUMBO PLATES AS REQUIRED TO PRESENT A SERVICEABLE AND FINISHED APPEARANCE.

**EXISTING SWITCHGEAR** REUSE EXISTING SWITCHGEAR AND PANELS IN PLACE WHERE SO INDICATED. MODIFY AS REQUIRED TO ACCOMMODATE NEW WORK, PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSES AS REQUIRED. MATCH AIC RATINGS. REARRANGE EXISTING CIRCUITS WITHIN PANELS TO AGREE WITH NEW PANEL SCHEDULES. TRACE AND IDENTIFY ALL EXISTING CIRCUITS ON NEW RECORD PANEL SCHEDULES.

RING OUT CIRCUITS IN EXISTING PANELS. WHERE ADDITIONAL CIRCUITS ARE NEEDED REUSE CIRCUITS AVAILABLE FOR REUSE. INSTALL NEW BREAKERS AS INDICATED ON DRAWINGS. MATCH AIC RATINGS.

WHERE EXISTING CIRCUITS ARE INDICATED TO BE REUSED, USE SENSING MEASURING DEVICES TO

VERIFY THAT CIRCUITS FEEDING PROJECT AREA ARE NOT IN USE OR OVERLOADED. REMOVE EXISTING WIRE NO LONGER IN USE FROM PANEL TO EQUIPMENT. PROVIDE NEW UPDATED TYPED DIRECTORIES.

PART 2 - PRODUCTS

MATERIALS ALL MATERIAL SHALL BE NEW, AND HAVE A UL LABEL WHERE AVAILABLE. IF UL LABEL IS NOT AVAILABLE, MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE NEMA, IEEE AND FEDERAL STANDARDS. USE UL LABELED COMPONENTS IN ASSEMBLIES THAT DO NOT HAVE OVERALL UL LABEL. ALL EQUIPMENT SHALL COMPLY WITH THE TERMS "LISTED AND LABELED" AS DEFINED IN THE NEC 70, ARTICLE 100. SUBMIT LETTER STATING COMPLIANCE WITH THESE REQUIREMENTS.

UTILIZE ONE OF THE MANUFACTURERS LISTED TO FURNISH ALL OF THE MAJOR EQUIPMENT (I.E. PANELS, TRANSFORMERS, BUS DUCT, SWITCHGEAR, CIRCUIT BREAKERS, ETC.) REQUIRED FOR THIS PROJECT. ALL MATERIAL AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY AVAILABLE ("SPECIFICATION GRADE"). SERVICE EQUIPMENT SHALL BE FACTORY-ASSEMBLED COMMERCIAL-GRADE, CONFIGURED PER SERVING UTILITY STANDARDS. WIRING DEVICES SHALL BE SPECIFICATION GRADE WITH NYLON PLATES, WHITE UNLESS OTHERWISE NOTED, RAISED STEEL BOX COVERS MAY BE USED IN

ALL EQUIPMENT AND CIRCUITING ACCESSIBLE BY THE PUBLIC SHALL BE TAMPER-PROOF AND VANDAL RESISTANT. OPENABLE DEVICES AND EQUIPMENT SHALL BE PADLOCKABLE. STRIBUTION EQUIPMENT

DISTRIBUTION EQUIPMENT SHALL BE DEAD-FRONT, PANELBOARD OR SWITCHBOARD TYPE AS INDICATED, UL-LABELED AND ENCLOSED IN A NEMA HOUSING APPROPRIATE TO ITS LOCATION AND APPLICATION WITH HINGED WIREWAY COVERS. BUSSING, DEVICE FINGERS AND LUGS SHALL BE COPPER UNLESS INDICATED ON DRAWINGS. AIC RATINGS SHOWN ON PLANS ARE MINIMUM RATINGS; CIRCUIT BREAKERS SHALL BE IN EXCESS OF THE AVAILABLE FAULT CURRENT. SERIES-RATING OF UPSTREAM AND DOWNSTREAM CIRCUIT BREAKERS TO ACHIEVE REQUIRED FAULT CURRENT RATINGS IS PROHIBITED UNLESS APPROVED BY ENGINEER IN WRITING.

**PANELBOARDS** PANELS SHALL HAVE FLUSH MONO-FLAT TRIM, LOCKING DOOR-IN-DOOR HINGED COVERS AND BOLT-ON CIRCUIT BREAKERS. BUSSING SHALL BE COPPER UNLESS INDICATED ON DRAWINGS. FLUSH-MOUNTED PANELS SHALL HAVE EMPTY CONDUITS STUBBED TO ACCESSIBLE ATTIC SPACE: ONE 1" CONDUIT FOR EACH FOUR SPARE/SPACE CIRCUITS. PROVIDE ONE TYPED AND ONE SPARE PANEL SCHEDULE FOR OWNER'S USE. SCHEDULES SHALL BE TWO COLUMN TYPE WITH ODD CIRCUIT NUMBERS ON THE LEFT AND EVEN NUMBERS ON THE RIGHT. TRANSFORMERS

TRANSFORMERS SHALL BE SELF VENTILATED DRY-TYPE WITH COPPER WINDINGS UNLESS INDICATED OTHERWISE AND SHALL BE UL LISTED AS SUITABLE FOR INSTALLATION IN INTERIOR LOCATIONS. INSULATION SHALL BE MINIMUM 220 DEGREE CELSIUS OPERATION. PROVIDE SIX 2 1/2% VOLTAGE ADJUSTING TAPS - TWO ABOVE AND FOUR BELOW RATED PRIMARY VOLTAGE. IMPEDANCE FOR UNITS ABOVE 15KVA SHALL BE MINIMUM 5%. TRANSFORMERS SHALL BE CONNECTED WITH SEALTIGHT FLEXIBLE CONDUIT WITH SEPARATE INTERNAL GROUND WIRE.

ALL WIRING SHALL BE IN CONDUIT, CONCEALED EXCEPT WHERE NOTED. EMT WITH STEEL SET SCREW INSULATED-THROAT FITTINGS SHALL BE USED IN DRY, PROTECTED INTERIOR LOCATIONS. PVC SCHEDULE 40 SHALL BE USED BELOW GRADE AT MINIMUM-24". WRAPPED RIGID ELBOWS AND RISERS SHALL BE USED FOR ALL THROUGH-GRADE AND CONCRETE SLAB TRANSITIONS AND STUB-UPS. RGS OR IMC CONDUIT WITH THREADED FITTINGS SHALL BE USED IN ALL LOCATIONS WHERE EXPOSED TO THE ELEMENTS OR SUBJECT TO PHYSICAL DAMAGE. FMC MAY BE USED FOR FINAL CONNECTION TO LIGHTING FIXTURE FROM J-BOX. FIXTURE WHIPS MAY NOT EXCEED 6' IN LENGTH. METAL CLAD CABLE (TYPE MC) SHALL NOT BE ACCEPTABLE. ENT IS NOT ALLOWED. CONNECT RECESSED AND SUSPENDED LIGHTING FIXTURES, MOTORIZED AND VIBRATING EQUIPMENT WITH STEEL FLEX. ALL CONDUIT SHALL HAVE PULL CORD IF OTHERWISE EMPTY. CONNECT PUMP MOTORS WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT.

WIRE SHALL BE COPPER UNLESS OTHERWISE INDICATED. MINIMUM WIRE SIZE SHALL BE #12 AWG. WHERE ALUMINUM IS ALLOWED, WIRE SHALL BE TERMINATED IN AN INSULATED CU/AL RATED COMPRESSION TERMINAL FITTING (MAC-ADAPT OR EQUAL). INSULATION SHALL BE THW, THWN OR THHN. UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCES. GROUND WIRES SHALL BE GREEN. NEUTRAL

WIRES SHALL BE WHITE (120V) OR GREY (277V) AND PHASE WIRES SHALL BE BLACK (PHASE A), RED (PHASE B), AND BLUE (PHASE C) FOR A 120/208 VOLT SYSTEM AND BROWN (PHASE A), ORANGE (PHASE B), AND YELLOW (PHASE C) FOR A 277/480 VOLT SYSTEM.

FUSES SHALL BE SIZED PER ACTUAL NAMEPLATE OF EQUIPMENT SERVED. FUSES SHALL BE DUAL-ELEMENT, CURRENT-LIMITING. AND SHALL BE INTERCHANGEABLE BETWEEN FRAME SIZES WITH STANDARD FACTORY FUSE REDUCERS. FUSES SHALL BE AS FOLLOWS UNLESS OTHERWISE INDICATED: CIRCUITS 601 TO 6000 AMPERES SHALL BE PROTECTED BY CURRENT LIMITING BUSSMANN LOW-PEAK

TIME-DELAY FUSES KRP-C - UL CLASS L CIRCUITS 0 TO 600 AMPERES SHALL BE PROTECTED BY CURRENT LIMITING BUSSMANN LOW-PEAK DUAL-ELEMENT FUSES LPN-RK (600 VOLTS) - UL CLASS RKI.

ALL DUAL-ELEMENT FUSES SHALL HAVE SEPARATE OVERLOAD AND SHORT-CIRCUIT ELEMENTS. PROVIDE SPARE FUSE CABINET AFTER THE COMPLETION OF THE PROJECT WITH ONE SET OF SPARE FUSES FOR EVERY SIZE USED.

WIRING DEVICES WIRING DEVICES SHALL BE AS FOLLOWS:

RECEPTACLES - 120V, 20A, NEMA 5-20R, SPECIFICATION GRADE, SIDE AND BACK WIRED WITH CLAMP TYPE TERMINALS, NYLON, WHITE, 2 POLE, 3 WIRE GROUNDING. SWITCHES - 120V/277V, 20A, WHITE, HEAVY DUTY, SILENT TYPE SPECIFICATIONS GRADE.

DEVICE PLATE SHALL BE NYLON, WHITE COLOR WITH MATCHING SCREWS. RECEPTACLES IN WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED SUITABLE FOR WET LOCATIONS WHILE IN USE AND UL LISTED EQUAL TO TAY MAC SPECIFICATIONS GRADE.

ITEM | DESCRIPTION

XISTING FIRE ALARM SYSTEM TO REMAIN. MAINTAIN IN CONSTANT OPERATION DURING THIS PROJECT. NEW COMPONENTS AND CIRCUITING SHALL BE FACTORY-CERTIFIED AS BEING PROJECT-SPECIFIC COMPATIBLE WITH EXISTING SYSTEM. ALL CONNECTIONS TO EXISTING SYSTEM SHALL BE PERFORMED BY FACTORY-CERTIFIED TECHNICIAN AND SHALL BE ACCEPTED BY OWNER'S SYSTEM-MONITORING AGENCY. PLANS DO NOT INDICATE ALL DEVICES, CONNECTIONS OR CIRCUITING REQUIRED FOR A COMPLETE SYSTEM. SUBMIT PROPOSED DESIGN TO THE FIRE MARSHAL AND RECEIVE APPROVAL PRIOR TO ROUGH-IN.

VISIT TO SITE VISIT SITE, AND SURVEY EXISTING CONDITIONS AFFECTING WORK PRIOR TO BID. INCLUDE NECESSARY MATERIALS AND LABOR TO ACCOMPLISH THE ELECTRICAL WORK. INCLUDING RELOCATION OF EXISTING SERVICES AND UTILITIES ON BUILDING SITE IN BID. NO CONSIDERATION SHALL BE GIVEN TO FUTURE CLAIMS DUE TO EXISTING CONDITIONS. ANY DISCREPANCIES OR INTERFERENCES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.

ALL WORK PERFORMED SHALL BE FIRST CLASS WORK IN EVERY ASPECT. THE WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN THEIR RESPECTIVE TRADES, WHO SHALL AT ALL TIMES BE UNDER THE SUPERVISION OF COMPETENT PERSONS. ALL WORK SHALL BE INSTALLED TO COMPLY WITH NECA'S "STANDARD OF INSTALLATION." IN ADDITION TO THE MATERIALS SPECIFIED ELSEWHERE, FURNISH AND INSTALL ALL OTHER

SYSTEMS ARE COMPLETE AND OPERATIVE. ALL WORK UNDER THIS SECTION SHALL BE PERFORMED IN COOPERATION WITH THE WORK PERFORMED UNDER ALL OTHER SECTIONS OF THE SPECIFICATIONS FOR THE PROJECT IN ORDER TO AVOID INTERFERENCE WITH OTHER WORK AND TO SECURE THE PROPER INSTALLATION OF ALL WORK. REFER THE DRAWINGS AND SPECIFICATIONS COVERING THE WORK TO BE PERFORMED UNDER ALL SECTIONS. SO THAT THE RELATION AND EXTENT OF THE WORK OF THIS SECTION WITH RESPECT TO THE WORK OF ALL OTHER SECTIONS IS UNDERSTOOD. GIVE RIGHT OF WAY TO RACEWAYS AND PIPING SYSTEMS

MISCELLANEOUS ITEMS NECESSARY FOR THE COMPLETION OF THE WORK TO THE EXTENT THAT ALL

INSTALLED AT A REQUIRED SLOPE. CONDUIT SYSTEMS MUST BE COMPLETE PRIOR TO INSTALLATION OF WIRING.

ADDITIONAL WORK MAY BE REQUIRED ON THE PROJECT WHICH IS OUTSIDE THE SCOPE OF THE CONTRACT. SUCH ADDITIONAL WORK WILL BE DESCRIBED IN SUPPLEMENTAL INSTRUCTIONS AND/OR CLARIFICATIONS, TO BE ESTIMATED AND PRICED BY THE CONTRACTOR, AND ACCEPTED BY THE OWNER, PRIOR TO COMMENCING WORK. PROPOSALS SHALL INCLUDE A LIST OF QUANTITIES OF ALL MATERIAL BEING USED WITH UNIT COSTS BROKEN DOWN INTO MATERIAL AND LABOR COSTS PER UNIT. CONTRACTOR SHALL PROVIDE ACTUAL EQUIPMENT QUOTES WHEN REQUESTED BY ENGINEER.

MATERIAL COSTS AND LABOR UNITS SHALL NOT EXCEED THE LATEST EDITION OF RS MEANS ELECTRICAL

FURNISH THE OWNER A WRITTEN GUARANTEE, STATING THAT IF THE WORKMANSHIP AND/OR MATERIAL EXECUTED UNDER THIS DIVISION IS PROVEN DEFECTIVE WITHIN (1) YEAR AFTER THE FINAL ACCEPTANCE BY THE OWNER, SUCH DEFECTS AND OTHER WORK DAMAGED WILL BE REPAIRED AND/OR REPLACED. SUBMIT WITH OPERATION AND MAINTENANCE MANUALS.

OBTAIN FROM THE VARIOUS MANUFACTURERS OR VENDORS GUARANTEES OR WARRANTIES FOR THEIR PARTICULAR EQUIPMENT OR COMPONENTS, AND DELIVER THEM TO THE OWNER. ALL GUARANTEES AND WARRANTIES PROVIDED SHALL BE REFERENCED TO THIS PROJECT. IN EVENT THAT SYSTEMS ARE PLACED IN OPERATION IN SEVERAL PHASES AT THE OWNER'S REQUEST,

GUARANTEE WILL BEGIN ON DATE EACH SYSTEM OR ITEM OF EQUIPMENT IS ACCEPTED FOR SERVICE BY THE OWNER. PROVIDE O&M MANUALS FOR ALL EQUIPMENT WHEN EQUIPMENT IS ACCEPTED FOR SERVICE BY THE OWNER. ALL GUARANTEES AND WARRANTIES SHALL INCLUDE LABOR AND MATERIAL AT THE SITE OF

INSTALLATION FOR THE DURATION OF THE GUARANTEE PERIOD. BSERVATIONS OF WORK AND DEMONSTRATION OF OPERATION (ACCEPTANCE AT ALL OBSERVATIONS OF WORK, OPEN PANEL COVERS, JUNCTION BOX COVERS, PULL BOX COVERS, DEVICE COVERS, AND OTHER EQUIPMENT WITH REMOVABLE PLATES FOR OBSERVATION AS REQUESTED BY AHJ OR ENGINEER. PROVIDE SUFFICIENT PERSONNEL TO EXPEDITE COVER REMOVAL AND

CONTRACTOR TO DEMONSTRATE OPERATION OF NEW EQUIPMENT AND/OR SYSTEMS TO SATISFACTION OF OWNER/ENGINEER. CONTRACTOR TO HAVE MANUFACTURER AVAILABLE FOR DEMONSTRATION OF EQUIPMENT AND/OR SYSTEMS WHERE REQUESTED BY OWNER/ENGINEER. FURNISH AFFIDAVIT SIGNED BY OWNER'S REPRESENTATIVE INDICATING THAT DEMONSTRATION OF OPERATION HAS BEEN PERFORMED.

CAREFULLY COORDINATE WORK WITH OTHER CONTRACTORS AND SUBCONTRACTORS. REFER CONFLICTS BETWEEN TRADES TO ENGINEER. PROVIDE NECESSARY INFORMATION TO OTHER TRADES FOR SUCH COORDINATION. SUCH INFORMATION SHALL INCLUDE SHOP DRAWINGS, PRODUCT DATA AND ALL OTHER REQUIRED DATA, PROVIDE A SYSTEM ERECTION/COORDINATION DRAWING SHOWING ELECTRICAL. HVAC. PLUMBING AND ARCHITECTURAL FOR INSTALLATION IN CONGESTED AREAS, WHEN

WHENEVER SUCH INFORMATION IS NOT PROVIDED IN A TIMELY MANNER OR WHENEVER SUCH INFORMATION IS INCORRECT. THIS CONTRACTOR SHALL BEAR ALL COSTS FOR PROVIDING OR CORRECTING AFFECTED WORK OF RELATED TRADES WITH NO CHANGE TO THE CONTRACT PRICE OR

WORK TO BE INSTALLED AS PROGRESS OF PROJECT WILL ALLOW. SCHEDULE OF WORK DETERMINED BY GENERAL CONTRACTOR, OWNER, AND/OR ARCHITECT/ENGINEER. COORDINATION OF UTILITY SERVICES

DRAWINGS INDICATE PROPOSED SERVICE LAYOUTS. THE CONTRACTOR SHALL PROVIDE ALL CONCRETE STRUCTURES, PULLBOXES, VAULTS, TRENCHING, RACEWAYS, PROTECTIVE BOLLARDS, ETC., AS REQUIRED PER NV ENERGY STANDARDS (ELECTRICAL UTILITY), AT&T (TELEPHONE COMPANY) AND CHARTER (CATV UTILITY) STANDARDS.

CONTRACTOR IS RESPONSIBLE FOR SUBMITTING PROJECT DRAWINGS, APPLICATION, AND EQUIPMENT SHOP DRAWINGS TO THE UTILITY. UTILITY FEES TO BE PAID BY PROJECT OWNER.

**HVAC CONTROL WIRING** CONTROL WIRING INCLUDING LOW VOLTAGE AND LINE VOLTAGE INTERLOCK WIRING WILL BE FURNISHED AND INSTALLED UNDER DIVISION 23, EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE. CAREFULLY COORDINATE POWER AND CONTROL WIRING INTERFACE

THIS CONTRACTOR SHALL OBTAIN FROM DIVISION 23 ALL WIRING DIAGRAMS ASSOCIATED WITH THE HVAC WORK AND FURNISH ALL POWER AND 120V CONTROL WIRING, DISCONNECTS AND STARTERS FOR EQUIPMENT NOT ALREADY PACKAGED WITH THESE ITEMS. THE CONTRACTOR SHALL INCLUDE IN THEIR BID CONNECTIONS, DISCONNECTS AND CIRCUITING FOR ALL ADDED AND RELOCATED EQUIPMENT AS DIRECTED BY THE TEMPERATURE CONTROLS CONTRACTOR EVEN IF IT IS NOT SHOWN ON THE BID DOCUMENTS. ALL WIRING AND CONDUIT ASSOCIATED WITH THE HVAC TEMPERATURE CONTROL SYSTEM IS INCLUDED UNDER DIVISION 23. WIRING AND CONDUIT SHALL COMPLY WITH DIVISION 26. ALL ELECTRICAL WORK ASSOCIATED WITH THE HVAC SYSTEM SHALL BE DONE UNDER THE SUPERVISION OF DIVISION 23.

SEPARATELY MOUNTED STARTERS ARE FURNISHED AND INSTALLED UNDER DIVISION 26 UNLESS SPECIFICALLY SHOWN OTHERWISE. ALL POWER WIRING, FUSES, THERMAL OVERLOADS, AND DISCONNECT SWITCHES AND CONNECTION OF ALL MOTORS IS UNDER THIS DIVISION. PROVIDE THE PROPER FUSING AND THERMAL OVERLOADS AS RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT.

DELIVERY, STORAGE AND HANDLING DELIVER EQUIPMENT AND MATERIALS TO JOB SITE IN ORIGINAL, UNOPENED, LABELED CONTAINER. PRODUCTS SHALL BE PROPERLY IDENTIFIED WITH NAMES, MODEL NUMBERS, TYPES, GRADES, COMPLIANCE LABELS AND OTHER INFORMATION NEEDED FOR IDENTIFICATION. STORE TO PREVENT DAMAGE AND INJURY. STORE MATERIALS TO PREVENT CORRODING. STORE FINISHED MATERIALS AND EQUIPMENT TO PREVENT STAINING AND DISCOLORING. STORE MATERIALS AFFECTED BY CONDENSATION IN WARM DRY AREAS. PROVIDE HEATERS. CONTRACTOR SHALL VERIFY THE AVAILABILITY OF ON SITE STORAGE SPACE, IF NO ON SITE STORAGE SPACE IS AVAILABLE THEN THE CONTRACTOR SHALL COVER THE COST FOR OFF SITE STORAGE. MATERIALS STORED AT THE PROJECT SITE THAT BECOMES SOILED WITH CONSTRUCTION DIRT, CONCRETE, OR MOISTURE SHALL BE REMOVED FROM THE SITE AND REPLACED WITH NEW. DO NOT INSTALL SOILED MATERIAL.

INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. CONFLICTS BETWEEN CONTRACT DOCUMENTS AND THESE RECOMMENDATIONS SHALL BE REFERRED TO ENGINEER FOR REMEDY. ELECTRICAL OR ELECTRONIC EQUIPMENT THAT HAS BEEN DAMAGED, EXPOSED TO WEATHER OR IS, IN THE OPINION OF THE ENGINEER OR ARCHITECT, OTHERWISE UNSUITABLE BECAUSE OF IMPROPER FABRICATION, STORAGE OR INSTALLATION SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR AT THEIR EXPENSE.

ITEM DESCRIPTION

CLEANING AND PAINTING

3.14

ANCHORS
PROVIDE ANCHORS FOR ALL EQUIPMENT, RACEWAYS, HANGERS, ETC. TO SAFELY SUPPORT WEIGHT OF ITEM INVOLVED PLUS 100% FOR DEAD LOADS. LIVE LOADS SHALL BE CONSIDERED IN ADDITION TO DEAD

ANCHORS TO CONSIST OF EXPANSION TYPE DEVICES SIMILAR TO "REDHEAD" OR LEAD EXPANSION ANCHORS. PLASTIC ANCHORS ARE NOT ACCEPTABLE. USE PRESET ANCHOR STEEL INSERTS IN CONCRETE SLABS. PROVIDE PRESET ANCHOR SIZE AND TYPE

FOR ANTICIPATED OR SPECIFIED ROD/BOLT SIZE AND LIVE/DEAD LOAD. URNISH 2500 # CONCRETE PADS, 4" HIGH (INTERIOR LOCATIONS) OR 6" HIGH (EXTERIOR LOCATIONS) UNLESS OTHERWISE NOTED, FOR ALL FREESTANDING EQUIPMENT, I.E. SWITCHBOARDS, PANELS, CONTROL PANELS, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC. PADS SHALL HAVE 1" X 45° CHAMFERED EDGES, AND SHALL EXTEND 2" TO 4" BEYOND EQUIPMENT MOUNTINGS.

CLEAN EQUIPMENT FURNISHED IN THIS DIVISION AFTER COMPLETION OF WORK. CLEAN WIPE THE INTERIOR OF ALL CONDUIT, PULLBOXES, JUNCTION BOXES, OUTLET BOXES, AND PANELBOARD BACKBOXES SOILED WITH DIRT AND DEBRIS PRIOR TO INSTALLATION OF WIRING. TOUCH-UP OR RE-PAINT DAMAGED PAINTED FINISHES AS DETERMINED BY THE ENGINEER.

CONTRACTOR SHALL PROVIDE, PRIOR TO FINAL ACCEPTANCE AND OBSERVATION, ONE-SET OF REVISED RECORD ELECTRICAL CONSTRUCTION DOCUMENTS ON REPRODUCIBLE MEDIUM. ALSO INCLUDE THE

EXACT ROUTING OF ALL CONDUITS LARGER THAN ONE INCH. EXACT LOCATION OF ALL SERVICE GROUNDING/BONDING CONNECTIONS. CONTRACTORS NAME, ADDRESS, AND TELEPHONE NUMBER.

RECORD NOTATIONS SHALL BE CLEARLY DRAWN AT A DRAFTING APPEARANCE EQUAL TO THE ORIGINAL DRAWINGS. CONTRACTOR SHALL ALSO PROVIDE ALL OPERATING AND MAINTENANCE MANUALS PRIOR TO FINAL PAYMENT

PRIOR TO PLACING IN SERVICES, ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR OPENS, GROUNDS, AND PHASE ROTATION. THE MAIN SERVICE GROUND AND ALL LOCAL TRANSFORMER MADE GROUNDS SHALL BE MEGGER-TESTED. PROVIDE GFI TESTING FOR SERVICE SWITCHBOARD.

IDENTIFICATION PROVIDE ENGRAVED NAMEPLATES FOR ALL SWITCHBOARDS, PANELS, TRANSFORMERS, DISCONNECTS, MOTOR STARTERS, CONTACTORS, TIME SWITCHES AND CABINETS, NAMEPLATES SHALL BE WHITE LETTERS ON BLACK FOR NORMAL EQUIPMENT AND WHITE LETTERS ON RED FOR EMERGENCY

EQUIPMENT. NAMEPLATES SHALL INCLUDE THE FOLLOWING INFORMATION AS APPLICABLE:

DESIGNATION (I.E. PANEL A); FUNCTION (I.E. AIR HANDLER AH-1); VOLTAGE, PHASE, WIRE (I.E. 480 VOLT, 3 PHASE, 4W); FEEDER SIZE (I.E. 4-#4/0 THWN CU IN 2" C); SOURCE (I.E.SWITCHBOARDS MSB). JUNCTION, PULL AND CONNECTION BOXES: IDENTIFICATION OF SYSTEMS AND CIRCUITS SHALL INDICATE SYSTEM VOLTAGE AND CONTAINED CIRCUITS ON OUTSIDE OF BOX COVER. USE SELF-ADHESIVE MARKING TAPE LABELS AT EXPOSED LOCATIONS AND INDELIBLE BLACK MARKER AT CONCEALED BOXES. ALL FIRE ALARM BOXES SHALL HAVE COVERS PAINTED RED.

ALL TEMPERATURE CONTROL BOXES SHALL HAVE COVERS PAINTED BLUE BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED IN EACH JUNCTION BOX AND PULL BOX WITH WIRE MARKERS AS MANUFACTURED BY T&B, PANDUIT, 3M, OR IDEAL TO INDICATE PANEL/CIRCUIT NUMBER. JUNCTION BOX COVERS IN BRANCH CIRCUIT WIRING SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBERS. JUNCTION BOX COVERS FOR SPECIAL SYSTEMS SHALL BE LABELED WITH SYSTEM NAME AND OTHER IDENTIFICATION AS DIRECTED; FOR EXAMPLE, "FIRE ALARM-ZONE 1". WHERE BOXES ARE INSTALLED FLUSH MOUNTED IN FINISHED AREAS OR SURFACE MOUNTED IN UNFINISHED AREAS, LABELING SHALL BE WITH ENGRAVED PLASTIC NAMEPLATE AS SPECIFIED HEREIN. WHERE BOXES ARE INSTALLED ABOVE ACCESSIBLE CEILINGS, LABELING MAY BE NEAT HAND WRITTEN LETTERING WITH

DEVICE PLATES - SWITCHES AND RECEPTACLES: IDENTIFY THE PANELBOARD AND BRANCH CIRCUIT NUMBER FROM WHICH SERVED ON THE FRONT OF THE DEVICE PLATE WITH PERMANENT POLYESTER TAPE. LOCATE ALL LABELS AT THE BOTTOM OF THE PLATE IN THE SAME LOCATION THROUGHOUT.

ALL LAY-IN FIXTURES SHALL BE INDEPENDENTLY SUPPORTED BY TWO #12 SLACK WIRES ATTACHED TO TWO OPPOSITE CORNERS OF THE FIXTURE PER IBC & NEC REQUIREMENTS. THESE WIRES SHALL BE SECURED TO THE STRUCTURAL FRAMING SUCH THAT FAILURE OF THE SUSPENDED CEILING SHALL NOT ALLOW THE FIXTURE TO DROP.

ONDUCT WORK TO MINIMIZE DISRUPTION OF OWNER'S ONGOING OPERATIONS. PROVIDE BARRICADES, NOISE ABATEMENT AND DUST CONTAINMENT MEASURES TO ENSURE THE SAFETY AND COMFORT OF PATRONS, STAFF, AND WORKERS. INTERRUPTIONS OF EXISTING POWER, COMMUNICATIONS OR FIRE ALARM SYSTEMS SHALL BE PERFORMED ONLY AT SUCH TIMES AS DIRECTED BY GENERAL CONTRACTOR / OWNER. OUTAGES SHALL BE MOMENTARY IN NATURE. EACH SUCH OUTAGE (OR OPERATION WHICH MAY POSE RISK OF AN ACCIDENTAL OUTAGE) SHALL BE SCHEDULED 48 HOURS IN ADVANCE. FLEXIBLE CONNECTIONS

PROVIDE FLEXIBLE ELECTRICAL CONDUIT AND CONDUCTORS HAVING A SLACK, 90-DEGREE BEND OR LOOP IN ANY PLANE BETWEEN CONNECTIONS AT ALL VIBRATION ISOLATED EQUIPMENT AND THE FIRST ATTACHMENT TO BUILDING STRUCTURE OR CABINETS, PANELS OR BOXES MOUNTED THEREON. DISPOSAL PROCEDURES (FLUORESCENT BULBS, BALLASTS, AND LIGHT FIXTURES

THESE MATERIALS DO NOT REQUIRE SPECIAL TRAINING TO REMOVE OR PACKAGE. THE CONTRACTOR SHALL CONTRACT WITH WASTE MANAGEMENT LAMPTRACKER OR SIMILAR RECYCLING COMPANY TO RECYCLE THE LAMPS (FLUORESCENT BULBS) AND BALLASTS REMOVED DURING THE PROJECT. THE COSTS TO RECYCLE THESE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE DISPOSAL AND COSTS OF NON-REGULATED MATERIALS (LIGHT FIXTURES) IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO RECYCLE AS MUCH MATERIAL AS POSSIBLE.

ALL EXISTING EQUIPMENT REMOVED DURING THE COURSE OF THIS PROJECT SHALL BE OFFERED TO OWNER FOR SALVAGE. ANY EQUIPMENT SELECTED BY OWNER SHALL BE DELIVERED TO OWNER ON SITE. ALL REMAINING EQUIPMENT BECOMES THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

THIS PROJECT IS SUBJECT TO THE SEISMIC BRACING REQUIREMENT OF THE INTERNATIONAL BUILDING CODE, 2012 EDITION. THE FOLLOWING CRITERIA ARE APPLICABLE TO THIS PROJECT:

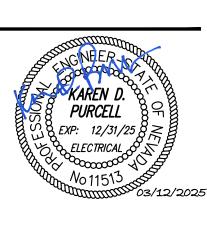
SEISMIC USE GROUP: II; SEISMIC CLASS CATEGORY: D; SEISMIC DESIGN CATEGORY: D. IT IS RECOMMENDED THAT THE CONTRACTOR ENLIST THE SERVICES OF A QUALIFIED SEISMIC BRACING VENDOR/ SUPPLIER, PROVIDE BRACING FOR IDENTIFIED EQUIPMENT AND SYSTEM. ELECTRICAL EQUIPMENT: ELECTRICAL EQUIPMENT SHALL INCLUDE THE FOLLOWING ITEMS TO THE EXTENT REQUIRED ON THE DRAWINGS OR IN OTHER SECTIONS OF THESE SPECIFICATIONS TO BE SEISMICALLY PROTECTED:

LIGHT FIXTURES, TRANSFORMERS, SWITCHBOARDS, PANELBOARDS, ELECTRICAL SYSTEMS: THE FOLLOWING ELECTRICAL SYSTEMS SHALL BE SEISMICALLY PROTECTED IN ACCORDANCE WITH THIS SPECIFICATION:

LIGHTING, POWER, SECURITY, COMMUNICATIONS AND FIRE ALARM. CONDUITS REQUIRING NO SPECIAL SEISMIC RESTRAINTS: SEISMIC RESTRAINTS MAY BE OMITTED FROM ELECTRICAL CONDUIT LESS THAN 2-1/2 INCHES TRADE SIZE. ALL OTHER INTERIOR CONDUIT SHALL BE SEISMICALLY PROTECTED AS SPECIFIED.

END OF SECTION 260000

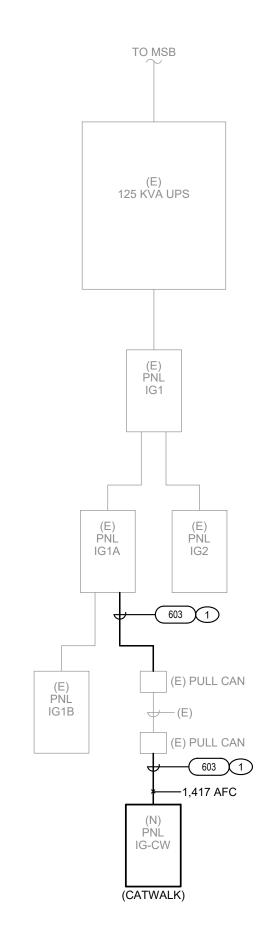
8112 Maryland Ave., Ste 400 | Clayton, MO



REVISIONS

SHEET TITLE **ELECTRICAL SPECIFICATIONS** 

DRAWN:	TPT
CHECKED:	KDP
DATE:	3/12/25
JOB NUMBER:	24220
PROJECT MGR:	SV



### SHEET NOTES

1 FEEDER SIZE HAS BEEN INCREASED DUE TO VOLTAGE DROP.



FEEDER SCHEDULE (600V, 3PH, 3W)									
FEEDER	AMPERE	WIRE (CU)	BOND (CU)	CONDUIT					
153	15	(3) 12	12	3/4"					
203	20	(3) 12	12	3/4"					
303	30	(3) 10	10	3/4"					
403	40	(3) 8	10	3/4"					
503	50	(3) 6	10	1"					
603	60	(3) 4	10	1"					
703	70	(3) 4	8	1 1/4"					
803	80	(3) 3	8	1 1/4"					
1003	100	(3) 1	8	1 1/4"					
1253	125	(3) 1	6	1 1/2"					
1503	150	(3) 1/0	6	1 1/2"					
1753	175	(3) 2/0	6	2"					
2003	200	(3) 3/0	6	2"					
2253	225	(3) 4/0	4	2 1/2"					
2503	250	(3) 250K	4	2 1/2"					
3003	300	(3) 350K	3	3"					
3503	350	(3) 400K	3	3"					
4003	400	(3) 500K	3	4"					
5003	500	(6) 250K	(2) 2	(2) 2 1/2"					
6003	600	(6) 350K	(2) 1	(2) 3"					
8003	800	(6) 500K	(2) 1/0	(2) 4"					
10003	1000	(9) 400K	(3) 2/0	(3) 3"					
12003	1200	(9) 600K	(3) 3/0	(3) 4"					
16003	1600	(12) 600K	(4) 4/0	(4) 4"					
20003	2000	(15) 600K	(5) 250K	(5) 4"					
25003	2500	(18) 600K	(6) 350K	(6) 4"					
30003	3000	(24) 600K	(8) 400K	(8) 4"					
40003	4000	(30) 600K	(10) 500K	(10) 4"					

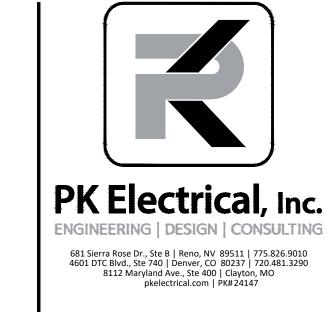
11-Ma	ar-25		PA	NEL:	(E	PNL IC	G-2		LC	CATION:	ELEC./TELECO	)M 419
TYPE	DESCRIPTION	LOAD	BKR	CIR	Α	В	С	CIR	BKR	LOAD	DESCRIPTION	TYP
Е	AMPS ELEV MECH RM	500	20	1	1500			2	20	1000	BOWLER EXPRESS	E
Е	AMPS ELEV MECH RM	500	20	3		1500		4	20	1000	BOWLER EXPRESS	E
Е	AMPS ELEV MECH RM	500	20	5		000000000000000000000000000000000000000	1500	6	20	1000	BOWLER EXPRESS	Е
R	TV CAMERA RECEPT.	180	20	7	1180			8	20	1000	BOWLER EXPRESS	Е
	BOWLER EXPRESS N. OFF.	1000	20	9		2000		10	20	1000	BOWLER EXPRESS	Е
R	L5-20 TWIST LOCK REC.	180	20	11		**************************************	1180	12	20	1000	BOWLER EXPRESS	Е
	SPARE		20	13	1000			14	20	1000	BOWLER EXPRESS	Е
	SPACE			15		540		16	20	540	PRO SHOP N. WALL	R
	SPACE			17		***************************************	540	18	20	540	PRO SHOP N. WALL	R
Е	BOWLER EXPRESS	1000	20	19	1540			20	20	540	PRO SHOP TC RECEPT.	R
Е	BOWLER EXPRESS	1000	20	21		1360		22	20	360	PRO SHOP COLUMN	R
Е	BOWLER EXPRESS	1000	20	23		AAAA	1360	24	20	360	PRO SHOP COLUMN	R
Е	BOWLER EXPRESS	1000	20	25	1360			26	20	360	PRO SHOP COLUMN	R
Е	BOWLER EXPRESS	1000	20	27		1500		28	20	500	TRACKER	Е
Е	BOWLER EXPRESS	1000	20	29			1000	30			SPACE	
Е	BOWLER EXPRESS	1000	20	31	1000			32			SPACE	
E	BOWLER EXPRESS	1000	20	33		1000		34			SPACE	
Е	BOWLER EXPRESS	1000	20	35		-	1000	36			SPACE	
Е	BOWLER EXPRESS	1000	20	37	1000			38			SPACE	
Е	BOWLER EXPRESS	1000	20	39		1000		40			SPACE	
Е	BOWLER EXPRESS	1000	20	41			1000	42			SPACE	
					8580	8900	7580					
COPP	PER BUS SIZE:	125			GROUND			STANDARD			NOTES:	
VOLT	AGE:	208			MOUNTIN	IG:			FACE		MODIFIED LOAD	
PHAS		3			ENCLOS			NEM	A 1			
WIRE		4			# OF 1-P0	DLE CIRC	JITS	42			[1]PROVIDE NEW CKT BRE	AKER
LUGS	31	MLO			CONNECTED KVA:					25.1	MATCH TYPE AND AIC RA	TING
	KER AIC RATING:	EXISTIN	G AIC		CONNECTED AMPS:					69.6		
NEUT		100%			NET KVA:					24.1		
FEED	ER OCPD SIZE:	100			NET AMP	S:				66.8		

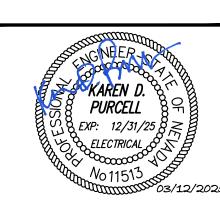
11-Ma	ur-25	NEL:	(E)PNL UPS-1				LC	DCATION: ELEC./TELECOM 419				
TYPE	DESCRIPTION	LOAD	BKR	CIR	A	В	C	CIR	BKR	LOAD	DESCRIPTION	TYPE
Ŀ	STEP LIGHTS	300	20	1	480			2	20	180	[1]L5-20 TWIST LOCK REC.	R
Е	EXISTING LOAD	200	20	3		500		4	20	300	FAXP 4	Е
Е	EXISTING LOAD	200	20	5			500	6	20	300	THEATER 24V STEP	Е
R	CONTROL RM N. WALL REC.	360	20	7	760			8	20	400	SOUND RACK SOUTH	Е
R	CONTROL RM N. WALL REC.	360	20	9		760		10	20	400	SOUND RACK SOUTH	Е
R	RM 417 IT RACK REC.	180	20	11			580	12	20	400	SOUND RACK SOUTH	Е
R	RM 417 IT RACK REC.	180	20	13	580			14	20	400	SOUND RACK SOUTH	Е
R	CONTROL RM E. WALL REC.	360	20	15		720		16	20	360	LIGHTING CONTROL	L
R	CONTROL RM E. WALL REC.	360	20	17			760	18	20	400	SOUND RACK SOUTH	Е
R	CONTROL RM E. WALL REC.	360	20	19	720			20	20	360	CONTROL RM W. WALL REC	R
R	CONTROL RM E. WALL REC.	360	20	21		720		22	20	360	CONTROL RM W. WALL REC	R
R	CONTROL RM E. WALL REC.	360	20	23			720	24	20	360	CONTROL RM W. WALL REC	R
R	CONTROL RM E. WALL REC.	360	20	25	720			26	20	360	CONTROL RM W. WALL REC	R
R	CONTROL RM E. WALL REC.	360	20	27		720		28	20	360	CONTROL RM W. WALL REC	R
R	CONTROL RM E. WALL REC.	360	20	29			760	30	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	31	760			32	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	33		760		34	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	35			760	36	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	37	760			38	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	39		760		40	20	400	SOUND RACK WEST	Е
R	CONTROL RM W. WALL REC	360	20	41			760	42	20	400	SOUND RACK WEST	Е
					4780	4940	4840					
COPF	PER BUS SIZE:	225			GROUND:			STAN	NDARD	)	NOTES:	
VOLT	AGE:	208			MOUNTIN	G:		SUR	FACE		BOLD INDICATES MODIFIED	LOAD
PHAS		3			ENCLOSU			NEM	A 1			
WIRE	:	4			# OF 1-POLE CIRCUITS 42						[1]PROVIDE NEW CKT BREA	KER
LUGS		MLO			CONNECTED KVA:					14.6	MATCH TYPE AND AIC RATI	NG
~~~~~	KER AIC RATING:	EXISTIN	G AIC		CONNECT	ED AMPS	<b>):</b>			40.4		
NEUT		100%			NET KVA:					14.6		
<b>FEED</b>	ER OCPD SIZE:	225			NET AMPS:					40.4		

11-Ma	ar-25		PA	NEL:	(E	PNL I	<b>31</b>		LC	CATION:	ELEC./TELECO	OM 417
TYPI	DESCRIPTION	LOAD	BKR	CIR	Α	В	С	CIR	BKR	LOAD	DESCRIPTION	TYPE
Е	PNL IG-2	8580	100/3	1	9120	ĺ		2	20	540	ENG. OFFICE	R
E	X	8900	X	3		9440		4	20	540	ENG. OFFICE	R
Е	X	7580	Χ	5			8580	6	20	1000	EXISTING LOAD	Е
	SPARE		20	7	1000			8	20	1000	EXISTING LOAD	Е
Е	EXISTING LOAD	500	20	9		1500		10	20	1000	EXISTING LOAD	Е
Е	EXISTING LOAD	500	20	11			1500	12	20	1000	EXISTING LOAD	E
Е	EXISTING LOAD	500	20	13	1500			14	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	15		1360		16	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	17			1360	18	20	1000	EXISTING LOAD	Е
	[1]SPARE		20	19	1000			20	20	1000	EXISTING LOAD	Е
Е	[1]VIDEO WALL PROJECTOR	1050	30/2	21		2050		22	20	1000	EXISTING LOAD	E
E	X	1050	X	23	<u> </u>		2050	24	20	1000	EXISTING LOAD	Е
Е	EXISTING LOAD	500	20	25	1500	•		26	20	1000	EXISTING LOAD	Е
Е	EXISTING LOAD	500	20	27		1500		28	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	29			1360	30	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	31	1360			32	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	33		1360		34	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	35	<u> </u>		1360	36	20	1000	EXISTING LOAD	Е
R	DATA RECEPT.	360	20	37	1060			38	20/2	700	AC UNIT	Е
	SPACE			39		700		40	Х	700	X	E
	SPACE			41			0	42			SPACE	
					16540	17910	16210					
COPF	PER BUS SIZE:	400			GROUND			STAI	STANDARD		NOTES:	
VOL1	TAGE:	208			MOUNTING:			SURFACE			BOLD INDICATES MODIFIE	D LOAD
PHASE:		3		ENCLOSURE:			NEMA 1					
WIRE:		4			# OF 1-POLE CIRCUITS			42			[1]PROVIDE NEW CKT BRE	AKER
LUGS:		MLO			CONNECTED KVA:			50.7			MATCH TYPE AND AIC RA	TING
		EXISTING AIC			CONNECTED AMPS:					140.6		
		100%				NET KVA:				50.7		
FEED	ER OCPD SIZE:	400			NET AMP	S:				140.6		

11-Ma	r-25		PA	NEL:	(1	E)IG-1/	4		LO	CATION:	ELEC./TELECO	M 417
ГҮРЕ	DESCRIPTION	LOAD	BKR	CIR	Α	В	С	CIR	BKR	LOAD	DESCRIPTION	TYP
Е	GAME SETTER LANES 75-80	500	20	1	1040			2	20	540	ISO GND REC. ELEC. RM	R
Е	GAME SETTER LANES 69-74	1000	20	3		1540		4	20	540	ISO GND REC. ELEC. RM	R
Е	GAME SETTER LANES 63-68	1000	20	5			1540	6	20	540	ISO GND REC. ELEC. RM	R
Е	GAME SETTER LANES 57-62	1000	20	7	1540			8	20	540	ISO GND REC. ELEC. RM	R
Е	GAME SETTER LANES 51-56	1000	20	9		1300		10	20	300	PROJECTOR LANES 65-66	E
E	GAME SETTER LANES 45-50	1000	20	11			1300	12	20	300	PROJECTOR LANES 67-68	E
Е	GAME SETTER LANES 39-44	1000	20	13	1300			14	20	300	PROJECTOR LANES 69-70	E
Е	GAME SETTER LANES 33-38	1000	20	15		1300		16	20	300	PROJECTOR LANES 71-72	E
Е	GAME SETTER LANES 27-32	1000	20	17			1300	18	20	300	PROJECTOR LANES 73-74	Е
Е	GAME SETTER LANES 21-26	1000	20	19	1300	•		20	20	300	PROJECTOR LANES 75-76	E
E	GAME SETTER LANES 15-20	1000	20	21		1300		22	20	300	PROJECTOR LANES 77-78	E
Е	GAME SETTER LANES 9-14	1000	20	23			1300	24	20	300	PROJECTOR LANES 79-80	Е
Е	GAME SETTER LANES 3-8	1000	20	25	1000			26	20		SPARE	
Е	GAME SETTER LANES 1-2	1000	20	27		1000		28	20		SPARE	
Е	EXISTING LOAD	500	20	29			680	30	20	180	VIDEO WALL LIGHT BOX	R
Е	EXISTING LOAD	500	20	31	680			32	20	180	VIDEO WALL LIGHT BOX	R
R	SQUAD IT ROOM REC.	180	20	33		360		34	20	180	VIDEO WALL LIGHT BOX	R
R	SQUAD IT ROOM REC.	180	20	35			360	36	20	180	VIDEO WALL LIGHT BOX	R
	SPARE		20	37	180			38	20	180	VIDEO WALL LIGHT BOX	R
E	[1]CATWALK PNL IG-CW	1260	50/2	39		1440		40	20	180	VIDEO WALL LIGHT BOX	R
Ε	X	1260	X	41			1440	42	20	180	VIDEO WALL LIGHT BOX	R
					7040	8240	7920					
COPPER BUS SIZE:		250			GROUND:			STANDARD			NOTES:	
VOLTAGE:		208			MOUNTING:			SURFACE			BOLD INDICATES MODIFIED	D LOA
PHASE:		3			ENCLOSURE:			NEMA 1				
					# OF 1-POLE CIRCUITS			42			[1]PROVIDE NEW CKT BREA	
		MLO				CONNECTED KVA:			23.2		MATCH TYPE AND AIC RAT	ING
			EXISTING AIC			CONNECTED AMPS:				64.4		
		100%				NET KVA:				23.2		
FEEDE	ER OCPD SIZE:	225			NET AMPS	S:				64.4		

11-Ma	ar-25		P	ANEL	(N)PNL	IG-CW		LC	CATION		CATWALK
TYPE	DESCRIPTION	LOAD	BKR	CIR	Α	В	CIR	BKR	LOAD	DESCRIPTION	TYPE
R	AMPLIFIER RACK	400	20	1	800		2	20	400	AMPLIFIER RACK	R
R	AMPLIFIER RACK	400	20	3		800	4	20	400	AMPLIFIER RACK	R
R	AMPLIFIER RACK	400	20	5	800		6	20	400	AMPLIFIER RACK	R
R	AMPLIFIER RACK	400	20	7		800	8	20	400	AMPLIFIER RACK	R
R	LIGHTING BOX REC.	180	20	9	360		10	20	180	LIGHTING BOX REC.	R
R	LIGHTING BOX REC.	180	20	11		360	12	20	180	LIGHTING BOX REC.	R
R	LIGHTING BOX REC.	180	20	13	180		14	20		SPARE	
R	LIGHTING BOX REC.	180	20	15		180	16	20		SPARE	
	SPARE		20	17	0		18	20		SPARE	
	SPARE		20	19		0	20	20		SPARE	
	SPARE		20	21	0		22	20		SPARE	
	SPARE		20	23		0	24	20		SPARE	
	•					•				•	
					2140	2140					
COPF	PER BUS SIZE:	100			GROUND:		STAN	IDARD		NOTES:	
VOLT	AGE:	240			MOUNTING:		SURI	ACE		NEW PANELBOARD	
PHAS	SE:	1			<b>ENCLOSURE:</b>		NEM	A 1			
WIRE	:	3			# OF 1-POLE (	CIRCUITS	24				
LUGS: MLO		MLO			CONNECTED KVA:		4.3		4.3		
BREAKER AIC RATING: 10K		10K			CONNECTED			17.8			
NEUTRAL: 100%		100%			NET KVA:				4.3		
FEED	ER OCPD SIZE:	50			NET AMPS:				17.8		





# CVA NATIONAL BOWLING STAD VARIOUS ELECTRICAL AND TECHNOLOGY UPGRADES 4590 SOUTH VIRGINIA STREET RENO, NV 89502

REVISIONS

SHEET TITLE

SCHEDULES & PARTIAL ONELINE DIAGRAM

DRAWN:	TPT
CHECKED:	KDP
DATE:	3/12/25
JOB NUMBER:	24220
PROJECT MGR:	SV

E0.3

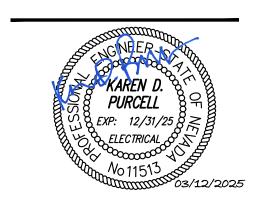
### **GENERAL NOTES**

- 1. (E) AND/OR HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
- 2. PENETRATIONS THROUGH EXISTING RATED WALLS, FLOORS AND CEILINGS SHALL BE SEALED (WITH AN APPROVED PRODUCT) TO MAINTAIN ORIGINAL RATING.
- 3. ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO BE APPROVED BY OWNER (RSCVA) PRIOR TO COMMENCING WORK IN AN EFFORT TO LIMIT DISRUPTION TO ONGOING ACTIVITIES.
- THE CONTRACTOR SHALL SALVAGE AND REUSE EXISTING BOXES AND CONDUIT WHERE POSSIBLE. DAMAGED CONDUIT, FITTINGS BOXES, ETC. MAY NOT BE RE-USED. NEW CIRCUITING AS INDICATED ON THE DRAWINGS IS SHOWN FOR INTENT ONLY AND MAY VARY BASED ON ACTUAL FIELD CONDITIONS (NEW CIRCUITING SHALL MATCH EXISTING WHERE POSSIBLE TO UTILIZE EXISTING HOME-RUN CONDUITS, ETC.). KEEP AS-BUILT DRAWINGS CURRENT WITH ANY DEVIATION IN CIRCUITING FROM WHAT IS INDICATED WITHIN THESE PLANS.
- 5. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DISCARDED AND ABANDONED MATERIALS LEFT OVER FROM DEMOLITION AND INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES. MATERIALS EMBEDDED IN GRADE AND / OR CONCRETE MAY BE ABANDONED IN PLACE. ALL ABANDONED CONDUIT SHALL BE CAPPED.

### SHEET NOTES

- CONTRACTOR SHALL ROUTE NEW 1" CONDUIT THRU CEILING TO THIRD FLOOR AT THE SAME POINT OF SLAB PENETRATION OF EXISTING IT CABLING FROM CEILING MOUNTED CABLE TRAY. COORDINATE WITH RSCVA FACILITIES (JOHN MORRIS) PRIOR TO ROUGH-IN.
- COORDINATE FINAL LOCATION OF FUTURE SOUND SYSTEM CONDUIT WITH RSCVA FACILITIES (JOHN MORRIS) PRIOR TO FINAL ROUGH-IN.
- 3 IDICATED PORTION OF CONDUIT ROUTING SHALL BE WITHIN THE THIRD FLOOR STORAGE AREAS. COORDINATE ALL ROUTING WITH RSCVA FACILITIES (JOHN MORRIS) PRIOR TO ROUGH-IN.





### IG STADIUM NL AND RADES

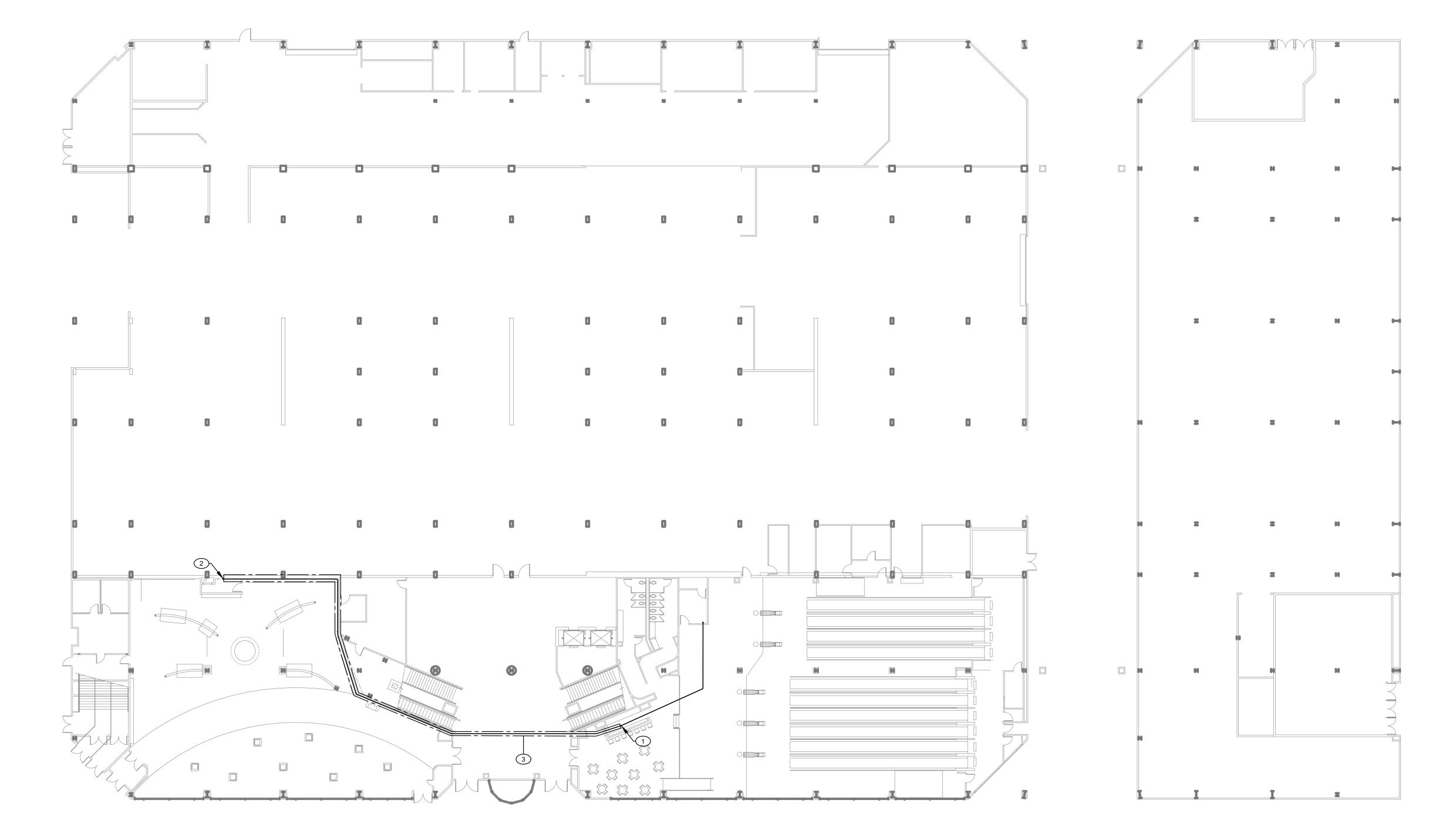
## SCVA NATIONAL BOWLING ST VARIOUS ELECTRICAL AN TECHNOLOGY UPGRADES

REVISIONS

SHEET TITLE
FIRST FLOOR ELECTRICAL PLAN

DRAWN:	TPT
CHECKED:	KDP
DATE:	3/12/25
JOB NUMBER:	24220
	C) /

E1.1

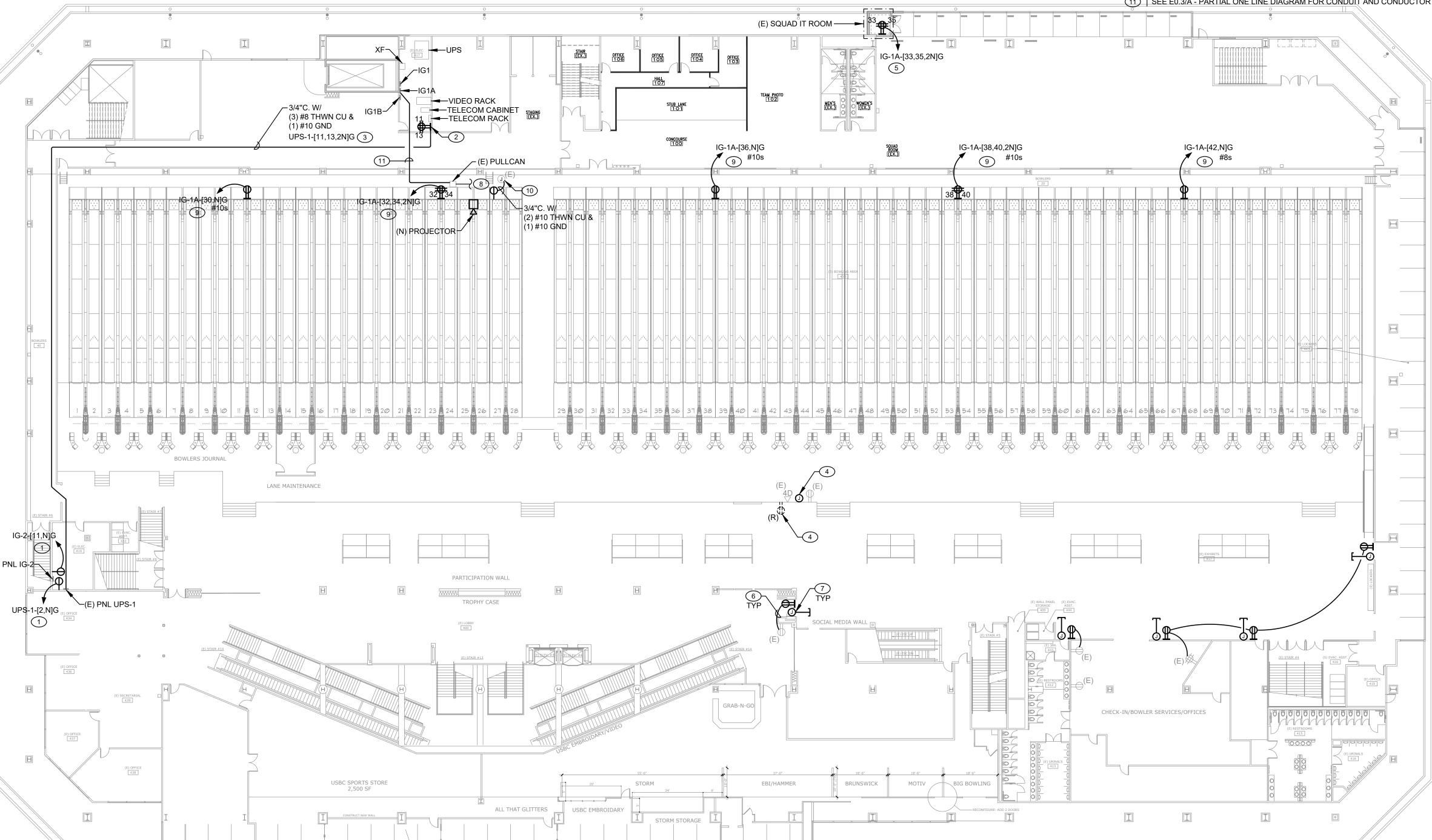


### **GENERAL NOTES**

- (E) AND/OR HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RÉLOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
- PENETRATIONS THROUGH EXISTING RATED WALLS, FLOORS AND CEILINGS SHALL BE SEALED (WITH AN APPROVED PRODUCT) TO MAINTAIN ORIGINAL RATING.
- ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO BE APPROVED BY OWNER (RENOWN) PRIOR TO COMMENCING WORK IN AN EFFORT TO LIMIT DISRUPTION TO ONGOING ACTIVITIES.
- THE CONTRACTOR SHALL SALVAGE AND REUSE EXISTING BOXES AND CONDUIT WHERE POSSIBLE. DAMAGED CONDUIT, FITTINGS BOXES, ETC. MAY NOT BE RE-USED. NEW CIRCUITING AS INDICATED ON THE DRAWINGS IS SHOWN FOR INTENT ONLY AND MAY VARY BASED ON ACTUAL FIELD CONDITIONS (NEW CIRCUITING SHALL MATCH EXISTING WHERE POSSIBLE TO UTILIZE EXISTING HOME-RUN CONDUITS, ETC.). KEEP AS-BUILT DRAWINGS CURRENT WITH ANY DEVIATION IN CIRCUITING FROM WHAT IS INDICATED WITHIN THESE PLANS.
- THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DISCARDED AND ABANDONED MATERIALS LEFT OVER FROM DEMOLITION AND INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES. MATERIALS EMBEDDED IN GRADE AND / OR CONCRETE MAY BE ABANDONED IN PLACE. ALL ABANDONED CONDUIT SHALL BE CAPPED.

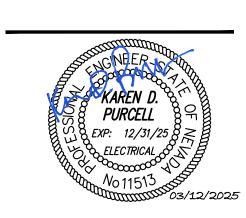
### SHEET NOTES

- 1 CONTRACTOR SHALL PROVIDE NEW L5-20 TWIST LOCK TYPE RECEPTACLE WITHIN A 4 SQUARE BOX AND INDUSTRIAL RAISED COVER. COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- 2 PROVIDE QTY (2) DEDICATED DUPLEX RECEPTACLES NEXT TO TELECOMMUNICATION WALL MOUNTED CABINET. COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- 3 CONDUCTORS HAVE BEEN INCREASED FOR VOLTAGE DROP. COORDINATE FINAL CONDUIT ROUTING WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- 4 CONTRACTOR SHALL RELOCATE EXISTING UPS DUPLEX RECEPTACLE TO CRAWL SPACE IT EQUIPMENT RACK. COORDINATE FINAL LOCATION OF RELOCATED CIRCUIT PRIOR TO ROUGH-IN. PROVIDE NEW SINGLE BLANK TRIM PLATE COVER TO EXISTING BACK BOX TO REMAIN.
- 5 PROVIDE DEDICATED QUAD RECEPTACLE WITH DEDICATED UPS CIRCUITS WITHIN SQUAD ROOM IT CLOSET. COORDINATE CONDUIT ROUTING AND FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- 6 EXTEND EXISTING 120V DUPLEX RECEPTACLE CIRCUIT FOR WALL MOUNTED MONITOR. COORDINATE WITH RSCVA FACILITIES PRIOR TO FINAL ROUGH-IN.
- 7 PROVIDE J-BOX WITH CONDUIT STUB TO ABOVE ACCESSIBLE CEILING FOR FUTURE COMMUNICATION CABLING BY OWNER. COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- 8 EXISTING 2" CONDUIT TO CATWALK PULL BOX. SEE E1.3 FOR CONTINUATION.
- PROVIDE DEDICATED RECEPTACLE CIRCUITS FOR PLUG IN LIGHTING POWER EQUIPMENT AT MEZZANINE CATWALK LEVEL BEHIND VIDEO WALL. COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO
- CONTRACTOR SHALL UTILIZE EXISTING J-BOX, CONDUIT AND CONDUCTORS BACK TO PANEL IG1 FOR NEW PROJECTOR POWER FEED. COORDINATE WITH RSCVA FACILITIES PRIOR TO FINAL ROUGH-IN.
- 11 | SEE E0.3/A PARTIAL ONE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE.









 $\supseteq$ 

REVISIONS

SHEET TITLE FOURTH FLOOR ELECTRICAL PLAN

KDP 3/12/25 24220

E1.2

### **GENERAL NOTES**

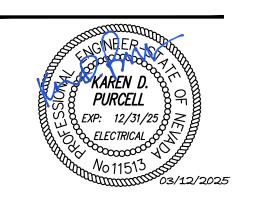
- (E) AND/OR HALFTONE LINES INDICATE EXISTING EQUIPMENT, (R) AND/OR DASHED LINES INDICATE RELOCATED EQUIPMENT, (N) AND/OR SOLID LINES INDICATE NEW EQUIPMENT UNLESS NOTED OTHERWISE.
- 2. PENETRATIONS THROUGH EXISTING RATED WALLS, FLOORS AND CEILINGS SHALL BE SEALED (WITH AN APPROVED PRODUCT) TO MAINTAIN ORIGINAL RATING.
- 3. ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO BE APPROVED BY OWNER (RENOWN) PRIOR TO COMMENCING WORK IN AN EFFORT TO LIMIT DISRUPTION TO ONGOING ACTIVITIES.
- THE CONTRACTOR SHALL SALVAGE AND REUSE EXISTING BOXES AND CONDUIT WHERE POSSIBLE.
  DAMAGED CONDUIT, FITTINGS BOXES, ETC. MAY NOT BE RE-USED. NEW CIRCUITING AS INDICATED ON
  THE DRAWINGS IS SHOWN FOR INTENT ONLY AND MAY VARY BASED ON ACTUAL FIELD CONDITIONS
  (NEW CIRCUITING SHALL MATCH EXISTING WHERE POSSIBLE TO UTILIZE EXISTING HOME-RUN
  CONDUITS, ETC.). KEEP AS-BUILT DRAWINGS CURRENT WITH ANY DEVIATION IN CIRCUITING FROM WHAT
  IS INDICATED WITHIN THESE PLANS.
- 5. THE CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL DISCARDED AND ABANDONED MATERIALS LEFT OVER FROM DEMOLITION AND INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONDUIT, FASTENERS AND BOXES. MATERIALS EMBEDDED IN GRADE AND / OR CONCRETE MAY BE ABANDONED IN PLACE. ALL ABANDONED CONDUIT SHALL BE CAPPED.

### SHEET NOTES

- CONTRACTOR SHALL REMOVE EXISTING UNUSED FIBER CABLE FROM EXISTING 2" CONDUIT SYSTEM BETWEEN CATWALK AND VIDEO WALL PULL BOXES. CONTRACTOR SHALL REUSE EXISTING CONDUIT SYSTEM FOR NEW CONDUCTOR FEEDS TO NEW CATWALK LOAD CENTER. SEE PARTIAL ONE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE.
- 2 EXISTING CONDUIT SYSTEM TO LOWER LEVEL VIDEO WALL MEZZANINE. SEE E1.2 FOR CONTINUATION.
- PROVIDE DEDICATED RECEPTACLE CIRCUITS FOR PLUG IN LIGHTING POWER EQUIPMENT. COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.
- PROVIDE QTY (2) DEDICATED DUPLEX RECEPTACLES AT AMPLIFIER EQUIPMENT PLATFORM.

  (4) COORDINATE FINAL LOCATION WITH RSCVA FACILITIES PRIOR TO ROUGH-IN.





# NATIONAL BOWLING STADIUM ARIOUS ELECTRICAL AND ECHNOLOGY UPGRADES

	REVISIONS	8
	SHEET TITL	E
CATWALK	POWER PLAN	

DRAWN:	TPT
CHECKED:	KDP
DATE:	3/12/25
JOB NUMBER:	24220
PROJECT MGR:	SV

E1.3

