

# **INVITATION FOR BIDS**

**LAKE PLACID VILLAGE ELECTRIC DEPT.  
LAKE PLACID VILLAGE, INC.  
LAKE PLACID, NEW YORK**

**115 KV TRANSFORMER  
DISCONNECT SWITCHES**

**JULY 2024**

**LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

**115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024**

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LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK

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115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024

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ADVERTISEMENT FOR BIDS

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Notice is hereby given that sealed bids for **115 KV TRANSFORMER DISCONNECT SWITCHES**, will be received by Lake Placid Village, Inc. Attn: Anita Estling, 2693 Main Street, Suite 102, Lake Placid, NY 12946 until **9:30AM prevailing time on the 9th day of August, 2024**, at which time and place the sealed bids will be opened and read aloud. Bids must be received in triplicate with an electronic copy on a thumb drive in a sealed opaque envelope marked "**Bid for 115 KV TRANSFORMER DSICONNECT SWITCHES**" on the outside.

This bid is for the procurement only of the following items: Two (2) *115 KV Transformer Disconnect Switches*

Bids shall be prepared, considered and the contract awarded in accordance with all statutes governing such contracts. Every bid shall be on forms furnished by Lake Placid Village, Inc. Bids submitted on other forms may be rejected.

Bidders on this work are required to certify that bid prices have been arrived at without collusion as required by Section 103-d of the General Municipal Law of the State of New York.

The Lake Placid Village Electric Department specifically reserves the right to reject any or all bids, waive irregularities or informalities or to accept any bid which they deem to be in the best interest of the Lake Placid Village Electric Department and Lake Placid Village, Inc.

BY: Kimball Daby  
Superintendent

Lake Placid Village Electric Department  
2693 Main Street, Suite 102  
Lake Placid, NY 12946

**LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

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**115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024**

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**INSTRUCTIONS TO BIDDERS**

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**GENERAL**

Bids must be in accordance with these specifications and with the "Advertisement for Bids", a copy of which is attached.

Bids must be received in triplicate in a sealed envelope marked "**Bid for 115 KV Transformer Disconnect Switches**", and addressed to:

**Lake Placid Village Electric Department  
Attn: Anita Estling  
2693 Main Street, Suite 102  
Lake Placid, NY 12946**

Bids may be mailed or delivered by express service to the above address.

An unbound copy of all forms required to be returned is included with each copy of the specification. All bids must be made on the Proposal Form provided in these specifications, unless additional space is required for terms and conditions, in which case, a supplementary sheet on bidders letterhead or quotation form may be used, and shall become a part of the Proposal Form.

Bidders shall return one signed original, two (2) signed copies and one thumb drive containing a PDF copy of the signed original, of all required forms prior to the bid opening date and time.

All bids must be firm for a period of 60 days from the date of the bid opening.

**OTHER DATA REQUIRED:**

Each bidder must include the manufacturer's bulletins, specifications and dimension sheets, describing the equipment bid, and must insert in his copy of this specification in the spaces provided, a statement of conformity to the specifications. Any exceptions to the specifications must be indicated either in the spaces provided or on the bidder's letterhead and must be attached to these specifications.

CONTRACT DOCUMENTS

The Contract Documents may be examined and obtained at the following locations:

OWNER

**Lake Placid Village Electric Department  
2693 Main Street, Suite 102  
Lake Placid, NY 12946**  
Attention: Kimball Daby, Superintendent  
Phone: (518) 523-2021  
Mobil: (518) 637-3132

ENGINEER

**PLM, Inc.  
46 Lizotte Drive, Suite 201  
Marlborough, Massachusetts 01752**  
Attention: Kevin Soden  
Phone: (508) 435-0200  
FAX: (508) 435-4491

BID DEPOSIT REQUIREMENTS:

Bid Deposit Not Required

## AWARD OF CONTRACT

The Lake Placid Village Electric Department reserves the right to:

- A. reject any bid not made on the form provided;
- B. waive any irregularity or informality;
- C. reject any or all bids;
- D. Award a contract by individual items, in aggregate or a combination thereof;
- E. Award a contract that is most advantageous to the Lake Placid Village Electric Department from a delivery and cost efficiency (best value) point of view. Best value will be determined by a comparative analysis of the following components:
  - 1. New purchase price, furnish, delivered f.o.b. to Lake Placid Village Electric Department, Substation No. 1, Lake Placid, NY 12946
  - 2. Electrical information and physical characteristics.
  - 3. Delivery schedule as specified by vendor.
  - 4. Previous experience with manufacturer.
  - 5. Previous experience with Bidder.
  - 6. Compliance with Specifications and Proposal documents.

**LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

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**115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024**

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**NON-COLLUSIVE BID CERTIFICATE**

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By submission of this bid the bidder certifies that:

(A) By submission of this bid each bidder and each person signing on behalf of any bidder certifies, and in case of a joint bid, each party thereto certifies, as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, or agreement, for the purpose of restricting competition as to any matter relating to such prices with any other bidder or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(B) A bid shall not be considered for award nor shall any award be made where (a), (1), (2), and (3) above have not been complied with; provided however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. Where (A), (1), (2), and (3) above have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the Political Subdivision, Public Department, Agency of Official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (A) has published price lists, rates, or tariffs covering items being procured, (B) has informed prospective customers or proposed or pending publications of new or revised price lists for such items, or (C) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of subparagraph one (A).

Any bid hereafter made to any Political Subdivision of the State or any Public Department, Agency, or Official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, or local law, and where such bid contains the certification referred to in subdivision (1) of this section, shall be deemed to have been authorized by the Board of Directors of the bidder, and such authorization shall be deemed to include the signing and submission of the bid and the inclusion therein of the certificate as to non-collusion as the act and deed of the corporation.





**LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

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**115 KV TRANSFORMER DISCONNECT SWITCHES  
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**SECTION I  
PROJECT ORGANIZATIONAL REQUIREMENTS**

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**OWNER/ENGINEER**

1. The term "OWNER" shall be defined as the "Lake Placid Village Electric Department".
2. The term "VILLAGE" shall be defined as "Lake Placid Village, Inc., New York".
3. The term "ENGINEER" shall be defined as "PLM Electric Power Engineering" (Power Line Models, Inc., a Massachusetts Corporation).

**COMMUNICATION**

All technical communications and correspondence shall be addressed to:

PLM, Inc.  
46 Lizotte Drive, Suite 201  
Marlborough, Massachusetts 01752  
Attention: Mr. Kevin Soden  
Phone: (508) 435-0200  
ksoden@plmnet.com

All commercial correspondence and copies of technical communications during the project shall be addressed to:

Lake Placid Village Electric Department  
2693 Main Street, Suite 102  
Lake Placid, NY 12946  
Attention: Mr. Kimball Daby, Superintendent  
Phone: (518) 523-2021  
Mobil: (518) 637-3132  
[kdaby@villageoflakeplacid.ny.gov](mailto:kdaby@villageoflakeplacid.ny.gov)

**FREIGHT/DELIVERY**

Freight shall be prepaid and allowed. The CONTRACTOR is responsible for all freight and cartage, including any additional freight to and from destination until the apparatus has been received in good condition, field tested, and accepted by OWNER and PLM.

**DESTINATION**

The equipment shall be delivered to the OWNER's Storage Yard, 77 Powerhouse Lane, Lake Placid, New York, 12946. Twenty-four (24) hour notice of delivery is required.

**INSPECTION**

An Owner's Representative shall be allowed free access, at all reasonable times, to the Manufacturer's shops for inspection of the equipment or any of its parts, and to obtain information on the progress of the work. Any work or material found to be defective shall be rejected and shall be replaced by the Manufacturer at his own expense. Such inspection, however, shall not relieve the Manufacturer from responsibility for the quality and correctness of the work.

**LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

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**115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024**

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**SECTION II  
TERMS AND CONDITIONS**

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**GENERAL**

On-time shipment and trafficking during shipment are extremely important to facilitate on-time project completion. Close coordination of contractors and shippers is required.

**CONTRACTOR**

The term "Manufacturer" or "Bidder" shall mean the party furnishing the material specified herein.

**ENGINEER**

PLM is under separate contract with Owner to provide all technical services regarding this specification and to act as a designated technical representative of the Owner.

This Specification is the property of Power Line Models, Inc., and Lake Placid Village Electric Department. It is intended solely for use on this project. The unauthorized use of this specification for any other purpose is strictly prohibited.

**PRICING POLICY AND TERMS**

Firm prices are required. Payment terms are 100% at delivery of equipment to site, net 30 days.

Payment shall not be made on apparatus damaged in transit until apparatus is received in good condition.

Any cash discount period will date from the later of: the receipt of invoice by Owner, or the delivery of equipment, and not from the date of invoice. On invoices returned for correction, the cash discount period and terms will date from the receipt of owner of the corrected invoice. Material not received, short-shipped material, and rejected material shall not be processed for payment by Owner until all disputes are settled.

**EQUAL EMPLOYMENT OPPORTUNITY**

During the performance of the contract, the Bidder agrees as follows:

1. The Bidder will not discriminate against any employee or applicant for employment because of race, creed, color, sex, or national origin. The Bidder will take affirmative action to ensure that applicants are employed without regard to their race, creed, color, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

2. The Bidder will, in all solicitations or advertisements for employees placed by or on behalf of the Bidder, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, or national origin.

#### **ACKNOWLEDGEMENT OF TERMS AND CONDITIONS**

By submitting a written proposal, the Bidder shall be deemed to have agreed to the terms and conditions set forth herein.

#### **NOTICE OF APPARENT LOW BIDDER, NOTICE TO PROCEED**

Any bidder whose proposal is accepted shall execute the contract within fifteen (15) days after delivery of Notice of Apparent Low Bidder or such additional time as is allowed by the Owner. Failure, neglect or refusal by the bidder to do so shall constitute a breach of agreement to enter into the contract effected by the bidder's proposal and the Owner's Notice of Apparent Low Bidder. The Owner may then select the lowest responsive bidder and deliver a Notice of Apparent Low Bidder to such lowest responsive bidder. At some time after the execution of the Contract, written Notice to Proceed will be given by the Owner to the Bidder. The accepted Bidder shall begin work within ten days after delivery of the Notice to Proceed and shall continue regularly thereafter, unless otherwise directed in writing by the Owner or duly constituted authority, with such work force, materials and equipment as to assure completion of the work within the time stated in the Contract Documents.

#### **COMPLIANCE WITH TERMS AND CONDITIONS**

Any act done or omitted to be done by Bidder in violation or disregard of these terms and conditions shall not be binding upon Owner, nor shall Owner be responsible for any damage or loss to Bidder or any other person, firm or corporation arising out of or in consequence of any such act or omission.

No modifications to these Terms and Conditions shall be considered after Contract execution.

#### **ASSIGNMENT**

Manufacturer shall not assign or subcontract any portion of the work without the prior written approval of the Owner. If such approval is given, it shall not relieve Manufacturer from liability hereunder.

#### **CANCELLATION - APPARATUS**

Owner shall have the absolute right to cancel the entire contract upon the payment to the Manufacturer for all disbursements or expenses which the Manufacturer has incurred or has become obligated for prior to the date of Notice of Cancellation, less the reasonable resale value of the materials, equipment and apparatus which has been obtained and become an integral part of the apparatus.

#### **EXCUSABLE DELAYS**

Any failure of performance by either party shall not constitute default hereunder or give rise to any claim for damages or otherwise, if and to the extent, caused by an occurrence beyond the reasonable control of the party affected, including, but not limited to, acts of compliance with acts of governmental authorities, acts of God, strikes or other concerted acts of workmen, fires, floods, explosions, riots, war or armed conflict declared or undeclared, rebellion and sabotage. The party affected by any such occurrence shall give notice to the Owner within five working days of its commencement and shall keep the Owner informed of action taken to terminate the occurrence.

**DELAYS**

Any change in the delivery date shall be reported to the Owner immediately by telephone, followed by a written confirmation, detailing the reason for the change.

**NON-DISCLOSURE**

Bidder shall not make use of drawings, specifications, data and other information furnished to it by Owner. Bidder shall promptly return to Owner all drawings, specifications, data and other information furnished by Owner in connection with the performance of this order, and shall not retain or permit others to retain any reproduction or copy thereof. Bidder shall not disclose any such drawing, specification, data or other information to any third party and shall make no further use thereof (or of any information derived therefrom), either directly or indirectly, without Owner's prior written consent, except in connection with the performance of this order.

**PARTIAL SHIPMENT - APPARATUS**

Apparatus shall not be shipped short of materials unless written authorization is issued by Owner. The Manufacturer shall supply detailed material lists of short-shipped items, itemized by price, and up-to-date delivery schedules. Any short-shipped items shall be delivered f.o.b. designated location within Lake Placid Village, New York.

**PACKING/INSURANCE**

All goods, material, or equipment must be safely packed in the manner described herein to ensure against damage and to comply with carrier's requirement as specified in applicable tariffs. All shipments are to be released to the carrier at full value and are to be fully insured for the total value of the material.

**FREIGHT**

The **PURCHASER** Contract Number shall be shown on all shipping papers and parcels. The Owner reserves the right to route all shipments. The Manufacturer shall provide shipping classifications, and shipping points if requested by Owner.

The **MANUFACTURER**, or any of his suppliers making shipment direct, shall transmit on the day of shipment:

- |    |                 |   |                         |
|----|-----------------|---|-------------------------|
| 1. | Freight Bill    | - | original and two copies |
| 2. | Packing List    | - | two copies              |
| 3. | Bill of Lading  | - | original and two copies |
| 4. | Express Receipt | - | two copies              |

Delivery shall be f.o.b. Ultimate Destination, in open top style truck to facilitate unloading by crane. Receiving hours are 8:00 a.m. to 2:00 p.m. Monday through Friday (except Holidays), and specified delivery notice is required.

**RECEIPT/INSPECTION**

All material shall be received and inspected by Owner. Such inspection, however, shall not relieve the Manufacturer from responsibility for their quality and correctness of work. Material judged to be inferior quality, or not suitable for use shall be rejected. The Manufacturer shall be informed of rejected material for determination of replacement and disposition.

#### **DAMAGED MATERIAL**

The Manufacturer and shipper shall be promptly informed of damaged material. The Manufacturer shall make all reasonable efforts to expeditiously ship replacement materials or schedule repairs. For material shipped f.o.b. destination, replacement and repairs shall be at the Manufacturer's expense.

Obvious damage shall be noted on the Bill of Lading at the time of receipt. An agent's signature on the Bill of Lading does not release the shipper and/or Manufacturer from liability for concealed damage.

#### **INVOICING**

Invoices (three-part) shall be submitted to and processed by Owner. Invoicing shall be itemized to include:

1. Material
2. Labor (if applicable)
3. Tax on Material (if applicable)
4. Service Engineering (if applicable)
5. Freight

#### **TAXES/ULTIMATE DESTINATION**

In States where the Owner is required to pay State or local sales or use taxes on the Total Contract Amount and the Contractor is required to receive the said taxes for payment to the State, the amount payable to the Contractor by the Owner shall be the Total Contract Amount including the amount of the said taxes, if any.

#### **TITLE**

Both legal and equitable title to all of the material furnished hereunder shall pass to the Owner f.o.b. point indicated in the specification.

#### **WARRANTY**

The Manufacturer warrants that all material furnished herein shall be free from defects in design, material or workmanship and shall be suited in all respects both for the purpose for which it is intended and for all other uses for which it may be represented in writing by the Manufacturer to be suited. The Manufacturer also warrants the successful operation of all such material for a minimum period of 18 months from the date of arrival of the equipment at its destination from the Manufacturer premises, or 12 months after energization; whichever is longer. This warranty shall cover freight costs to and from the Manufacturer repair facility, the cost of removal from the site, and reinstallation costs after repair. Manufacturer shall provide repair technicians as necessary at no cost to the Owner and also be responsible for travel costs, lodging, and parts. Payment shall not be deemed to constitute an acceptance of the equipment or a release of any responsibility on the part of Manufacturer.

#### **INDEMNITY**

Accepted Bidder agrees to protect, indemnify, and hold harmless from any and all claims, demands and actions whatsoever including, but not limited to, all legal costs and expenses for loss of life, injury to person or damage to property, in regard to the goods, materials or equipment sold hereunder, whether the said loss of life, injury to person, or damage to property is sustained by any officer, agent, servant, or

employee of either Bidder or Owner or by an other person, firm, or corporation, when such claims, demands, or actions are caused by or arise out of:

1. Bidder's negligence or alleged negligence; or
2. Bidder's acts or omission; or
3. Bidder's failure to comply with terms and conditions of this purchase order.

#### **PATENTS**

Manufacturer agrees to protect, indemnify and save harmless Owner, its clients, officers, agents, servants and employees, from the payment of any royalties, damages, losses or expenses, legal or otherwise, claimed or established by any person, firm or corporation, for or growing out of any infringement upon Letters of Patent of the United States in respect to any part of the goods, material or equipment shipped on this order.

#### **STATUTES**

Manufacturer shall comply with the provisions of all applicable Federal, state, and local laws and regulations, for any goods, material or equipment to be furnished, hereunder, and shall upon request by Owner, furnish Owner with satisfactory proof of compliance with any designated law or regulation.

#### **CONTRACT AWARD**

Award of this Contract shall be made to the most responsive and responsible bidder not later than sixty (60) calendar days after bid opening.



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LAKE PLACID VILLAGE ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK

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115 KV TRANSFORMER DISCONNECT SWITCHES  
JULY 2024

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SECTION III  
PROCEDURES AND LEGAL

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PROPOSAL

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Lake Placid Village Electric Department  
2693 Main Street, Suite 102  
Lake Placid, New York 12946

\_\_\_\_\_  
\_\_\_\_\_  
(Bidder)

\_\_\_\_\_  
(Date)

1. Pursuant to your Advertisement for Bids inviting Bids for the equipment described in the Contract Documents of which this Proposal is part, the undersigned Bidder hereby certifies and represents that it has examined and thoroughly understands the Contract Documents including the following:

ADDENDA NO.	DATE

2. The undersigned Bidder, having made such examinations and reached such understandings:

- a. accepts the obligation of a Bidder incurred by submitting this Proposal.
- b. agrees to the rights reserved to the Owner set forth in the Notice to Bidders.
- c. proposes to execute the Contract as set forth in the Contract Documents, of which this Proposal is a part.
- d. has signed and enclosed the Non-Collusive Bid Certificate
- e. warrants that the bid submitted is in accordance with the following Provisions as marked (check one):

(1) the equipment offered, if any, is in accordance with the requirements of the Contract Documents, notwithstanding any variation between descriptive material furnished and the requirements of the Contract Documents .....

(2) the equipment offered, if any, deviates from the requirements of the Contract Documents, as listed on the specifications on the following form under the heading "DEVIATIONS." Deviations shall be noted on the Specifications in the spaces provided. If additional space is needed or space is not provided, Bidders must use their company letterhead and attach it to the specifications. The attachment shall become part of the Proposal Form. ....

(If the Bidder fails to check one of the foregoing Provisions, the Proposal will be considered on the basis of Provisions (1) and the Bidder agrees to contract in accordance with that Provision.)



<b>BID SCHEDULE</b>		
<b>115KV TRANSFORMER DISCONNECT SWITCHES</b>		
<b>BID ITEM</b>	<b>DESCRIPTION AND AMOUNT</b>	
1.	Furnish Two (2) 115 kV Transformer Disconnect Switches, complete as specified in Section 26 13 50.70, for the lump sum of:  _____ and _____/100 Dollars	\$ _____

**All bid prices shall be firm for sixty (60) days from the date of the Bid Opening.**

**All bid pricing shall exclude the State of New York Sales and Use Taxes, Lake Placid Village is an exempt entity under New York State Law.**

The Owner reserves the right to reject any or all Proposals, waive irregularities or informalities, or to accept any bid which it determines to be in the best interests of the Lake Placid Village Electric Department and Lake Placid Village, Inc., New York. The Owner reserves the right to award this bid in one total contract, or to separate the various elements into separate contracts, whichever is in the best interests of the Lake Placid Village Electric Department and Lake Placid Village, Inc., New York.

**DELIVERY INSTRUCTIONS**

The equipment and all related accessories will be delivered to the location designated herein. Please enter your proposed delivery date in the spreadsheet bid form.

## PROPOSAL

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The party by whom this Proposal is submitted and by whom the contract will be entered into, in case this Proposal is accepted is a \_\_\_\_\_

( "Corporation", "Partnership", or "Individual" )

doing business at \_\_\_\_\_, \_\_\_\_\_,  
(Street) (City)

\_\_\_\_\_, \_\_\_\_\_, to which address Notice of Acceptance of Bid and all  
(State) (Zip)

other written notices may be mailed or delivered until further written notice is given the Owner.

\_\_\_\_\_  
(Legal Name of Bidding Organization)

By:

\_\_\_\_\_  
(Signature of Authorized Person)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(E-Mail)

The undersigned hereby certifies and represents to the Owner that the person signing this Proposal on behalf of the Bidder is authorized to do so.

\_\_\_\_\_  
(Partner of Partnership  
or Official of Corporation)

## AGREEMENT

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**THIS CONTRACT** is made and entered into by and between the Owner and the Bidder whose names are subscribed hereto.

**WHEREAS:** The Owner has invited Proposals, received and analyzed said Proposals and duly given Notice of Acceptance of Proposal to the Bidder as set forth in detail in the Contract Documents, all of which Contract Documents are made a part hereof and which constitute the whole Contract between the Owner and the Bidder, and

**WHEREAS:** The Bidder has offered in its Bid to furnish the equipment and materials required by one or more of the Bid Schedule(s) items which are part of its Bid.

**NOW, THEREFORE:** It is hereby agreed that:

(a) The Bidder shall furnish all equipment and materials, pay all costs, and perform all requirements of this Contract for Bid \_\_\_\_, Bid Schedule Item(s) \_\_\_\_\_ in the manner specified in the Contract Documents, and

(b) If the Proposal calls for a single Lump Sum price(s) in the Bid Schedule(s) items set for in (a) above, the Owner shall pay to the Bidder a Total Contract Amount of \_\_\_\_\_ /100 Dollars (\$ \_\_\_\_\_), and

(c) if the Proposal calls for unit prices in the Bid Schedule(s) items set forth in (a) above, the Owner shall pay to the Bidder a Total Contract Amount computed from the unit prices in said Bid Schedule(s) items set forth in the Bidder's Proposal and the actual quantities of units furnished. Based upon the unit prices in said Bid Schedule(s) items set forth the Bidder's Proposal and upon the quantities estimated from the Contract Drawings for bidding purposes, the Estimated Total Contract Amount is \_\_\_\_\_ /100 Dollars (\$ \_\_\_\_\_), and

(d) in States where the Owner is required to pay State or local sales or use taxes on the Total Contract amount and the Bidder is required to receive the said taxes for payment to the State, the amount payable to the Bidder by the Owner shall be the Total Contract Amount as above specified including the amount of the said taxes, if any, and

(e) it is further agreed that the Bidder shall start work immediately after delivery of the Owner's Notice to Proceed and shall complete the construction as set forth in the Construction Schedule, with the Construction Time after said Notice to Proceed set forth in the Special Conditions or the Proposal, whichever is earlier.

## AGREEMENT

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**IN WITNESS WHEREOF**, six (6) identical counterparts of this Contract, each of which shall for all purposes be deemed an original hereof, have been duly executed by the parties hereto.

### Lake Placid Village Electric Department

\_\_\_\_\_  
(Owner)

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

The undersigned hereby certifies and represents to the Owner that the person signing this Contract on behalf of the Bidder is authorized to do so.

By: \_\_\_\_\_

Title \_\_\_\_\_

: \_\_\_\_\_

(Partner of Partnership  
or Official of Corporation)

\_\_\_\_\_  
(Bidder)

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Distribution:

Owner: - 4 signed copies  
Bidder - 1 signed copies  
Engineer - 1 signed copies

## SECTION 01 33 24

### SUBMITTALS AND SHOP DRAWINGS

#### PART 1 - GENERAL

##### 1.01 SECTION INCLUDES

- A. Submittal Procedures
- B. Submittal Schedule
- C. Number of Copies
- D. Final Drawings

##### 1.02 SUBMITTAL PROCEDURES

- A. Make submittals as required by the individual specification sections.
- B. Coordinate and check all shop drawings furnished by suppliers and subcontractors for accuracy and conformance with requirements of the Contract Documents.

##### 1.03 SUBMITTAL SCHEDULE

- A. Provide a submittal schedule within fourteen (14) calendar days after vendor receipt of order indicating anticipated date of each required submittal.
- B. Schedule submittals to expedite the project
- C. Deliver submittals to the ENGINEER, with copy of transmittal to the OWNER, at the addresses shown in the specifications.
- D. Include the following:
  - 1. Description of each submittal
  - 2. Date by which each submittal will be delivered to ENGINEER and OWNER.
  - 3. Date by which each submittal must be approved to maintain project schedule.
  - 4. Relevant specification section reference
- E. Allow reasonable time for ENGINEER and OWNER to review shop drawings and for possible resubmittal. In general, the ENGINEER will require a minimum of two (2) weeks for drawing package review.
- F. Shop drawing submittals are required no later than the following periods after Contract Award:
  - 1. as required to meet delivery schedule

##### 1.04 NUMBER OF COPIES

- A. Submit the following:



1. One set of electronic drawing files, compatible with AutoCAD 2007, supplied on CD or via E-Mail. The transmittal shall include any required plot, shape, font or linetype files to allow for proper plotting. Include a written description of the layer naming and line weight conventions and any instructions for setup of files for proper plotting.
2. One full size PDF print of each drawing shall be provided with the drawing submission.
3. Three copies in addition to the number the Vendor wants returned of all preprinted data, brochures and other information submitted.

#### 1.05 PRESENTATION

- A. Present in a clear and thorough manner.
- B. Identify dimensions, show relation to adjacent or critical features.
- C. Use sheet size of not less than 8-1/2 by 11 inches and not more than 24 by 36 inches.

#### 1.06 SHOP DRAWING REVIEW COMMENTS

- A. ENGINEER's review will be completed within a reasonable time after receipt by ENGINEER of each submittal in proper sequence, and will be returned to Vendor with one of the following markings:

**"Approved"** indicates submittal has been reviewed and appears to be in conformance with requirements of the Specifications. Vendor may proceed with construction shown on the submittal.

**"Make corrections noted"** indicates submittal appears to be in conformance with requirements of the Specifications. Vendor shall incorporate the corrections noted and may proceed with construction shown on the submittal. No resubmittal is required.

**"Amend - resubmit"** indicates submittal does not appear to be in conformance with the Procurement Documents. ENGINEER's comments will be noted on the submittal or in a separate letter. Vendor shall recheck, make necessary revisions and resubmit.

**"Submittal not required - no action taken"** indicates that the submittal is not called for by the Specifications and that no action was taken by ENGINEER.

- B. Review for conformance with design concepts and compliance with Specifications does not require ENGINEER to review features solely related to construction or all dimensions, quantities and other data. Vendor shall not rely on ENGINEER's approval as a verification or check of all such items in the submittal or of satisfactory and safe installation and construction. Vendor shall verify all fabrication and installation requirements, quantities and dimensions.
- C. The Vendor's responsibility for errors and omissions in submittals is not relieved by the ENGINEER's review.
- D. Shop drawing acceptance by the OWNER or ENGINEER shall not be construed as approving departures from the Contract requirements.

## **1.07 AS-BUILT DRAWINGS**

- A. Revise all drawings to reflect the as-shipped condition of all equipment.
- B. Submit as-built drawings, except wiring drawings, prior to delivery of the respective equipment.
- C. Submit as-built wiring drawings no later than two (2) weeks after date of shipment of equipment.
- D. Indicate "As-Built" in revision block and sign. Show all changes and revisions to date of completion. Submit the following quantities:
  - 1. All Drawings – three (3) black on white full size prints (included with O&M manuals, see section 01 78 23).
  - 2. One set of electronic drawing files, compatible with AutoCAD 2007, supplied on CD or via E-Mail. The transmittal shall include any required plot, shape, font or linetype files to allow for proper plotting. Include a written description of the layer naming and line weight conventions and any instructions for setup of files for proper plotting.
  - 3. One full size PDF print of each drawing shall be provided with the drawing submission.

### **PART 2 – PRODUCTS (NOT USED)**

### **PART 3 – EXECUTION (NOT USED)**

**END OF SECTION**

## SECTION 01 66 02

### DELIVERY, STORAGE AND HANDLING

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. Products
- B. Transportation and handling

##### 1.02 PRODUCTS

- A. Products: means new material, machinery, components, equipment, fixtures, systems and manufactured units used in Work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.
- B. Provide interchangeable components of the same manufacturer, for similar components.

##### 1.03 DELIVERY AND PAYMENT CONDITIONS

- A. Prepackage the various components for combined shipment to the OWNER. Do not ship individual items as multiple shipments.
- B. The following separate shipments will be allowed (note each line item represents one shipment with all items in that category included):
  - 1. 115 kV Disconnect Switches

##### 1.04 TRANSPORTATION AND HANDLING

- A. Prepare and load Products in such a manner as to provide protection from damage during shipment. Securely cover and protect Product so that it is not damaged during shipment by environmental factors such as rain, wind, snow, etc. or by physical conditions such as rocks or other objects.
- B. Provide advance copy of weight list for each shipment. Weight list shall be received by OWNER in accordance with the minimum delivery notice requirements.
- C. Ship heavy or bulky equipment in an open-top truck to facilitate unloading at OWNER's site.
- D. Where appropriate, mount heavy parts on skids or crates, and box or bundle securely small parts that may be lost. Mark packaged items for ready identification. Arrange Products exceeding 200 pounds in weight so that slings may be properly attached for lifting by crane.
- E. Mark all parts for ease of field assembly.
- F. Provide notices and packing lists required by Contract Documents
- G. Vendor to retain responsibility for any damage to Product until delivery is accepted by OWNER.

**PART 2 - PRODUCTS (NOT USED)**

**PART 3 - EXECUTION (NOT USED)**

**END OF SECTION**

**SECTION 01 78 23**

**OPERATION, MAINTENANCE AND INSTALLATION MANUALS**

**PART 1 - GENERAL**

**1.01 SECTION INCLUDES**

- A. Preparation
- B. Contents
- C. Submittal

**1.02 PREPARATION**

- A. Provide complete Operations, Maintenance and Installation Manuals covering the Goods furnished under this Contract, as follows:
- B. Prepare Manuals in 8 1/2" x 11" format, bound in a substantial binder with three (3) D-type rings (Avery Heavy-duty binder or equal, with clear cover pockets).
- C. Internally subdivide the binder contents with permanent page dividers logically organized in accordance with the general table of contents below. Tab titles shall be clearly printed on reinforced, laminated plastic tabs, and keyed to a table of contents.
- D. Each copy of the manuals shall be assembled and bound in a substantial binder imprinted on the backbone (spine) and cover with the following:

**LAKE PLACID ELECTRIC DEPARTMENT  
LAKE PLACID, NEW YORK**

**SUBSTATION NO. 1  
115 KV TRANSFORMER DISCONNECT SWITCHES  
(DATE OF DELIVERY)**

Manufacturer's Name  
Manufacturer's Address

- E. Identify individual volumes as "1 of 2", "2 of 2", etc. on backbone and cover if manual requires multiple volumes.
- F. Prepare a detailed table of contents for each binder, with material, equipment or system identified, to describe each section of the manual.

**1.03 CONTENTS**

- A. The instruction manuals shall include, as a minimum, the following:
  - 1. Directory listing the Name, address and contact telephone numbers of CONTRACTOR and any local field service facilities
  - 2. General Table of Contents
    - a. Descriptions of equipment furnished

- b. Specifications, test data, and curves
- c. Instructions in the methods of receiving, inspection, storage, handling, and maintenance
- d. Methods of installation and trial operation of the equipment
- e. Assembly drawings
- f. Parts list
- g. Recommended spare parts with pricing
- h. Lubrication instructions (if applicable)
- i. Nameplate information
- j. Shop order numbers for each item of equipment or component

#### **1.04 SUBMITTAL**

- A. One copy of the equipment instruction manual shall be provided with equipment at shipment.
- B. One (1) additional set of printed instruction manuals shall be sent at time of final drawing submittal.
- C. The manuals shall include complete printed documentation for each electronic accessory that is furnished.
- D. ENGINEER shall review and approve the manuals and any additional information shall be furnished in sufficient quantities to allow for insertion.
- E. Following approval, three (3) electronic copies of each instruction manual shall also be provided. Electronic files shall be in Adobe (PDF) format, and shall be provided on CD. Electronic files shall include the entire instruction manual, with each component in a separate PDF file (ie. do NOT make the entire manual one very large PDF file).

#### **PART 2 – PRODUCTS (NOT USED)**

#### **PART 3 – EXECUTION (NOT USED)**

**END OF SECTION**

## SECTION 26 13 50.70

### 115 KV DISCONNECT SWITCHES

#### PART 1 - GENERAL

##### 1.01 SECTION INCLUDES

- A. Design, manufacture, assembly, testing and delivery of two (2) 115 kV outdoor, three-pole, 1200A group operated disconnect switches with manual operating mechanisms (TRANSFORMER DISCONNECT).

##### 1.02 REFERENCES

Design, manufacture, and test in accordance with this section and applicable sections of the latest version of the following standards:

- A. ANSI C29.1, Electrical Power Insulators
- B. ANSI C37.30, Definitions and requirements for High-Voltage Air Switches, Insulators, and Bus Supports
- C. ANSI C37.32, Schedules for Preferred Ratings, Manufacturing Specifications, and Application Guides for High-Voltage Air Switches, Bus Supports, and Switch Accessories
- D. ANSI C37.34, Test Code for High-Voltage Air Switches
- E. ANSI/IEEE C37.35, Guide for the Application, Installation, Operation and Maintenance of High-Voltage Air Disconnecting and Load Interrupter Switches
- F. ANSI/ASCE 7 Minimum Design Loads for Buildings and Other Structures
- G. NEC, Current Rating of Control Wiring
- H. NEMA 107, Measurement of Radio Interference Voltage
- I. ICEA, Specifications for Wire and Cable
- J. IEEE Std. 693-1997, IEEE Recommended Practice for Seismic Design of Substations.

##### 1.03 DESIGN AND PERFORMANCE REQUIREMENTS

- A. General
  - 1. Furnish disconnect switches as required by this specification.
  - 2. Switches and operating mechanisms shall be designed for use on existing 3'-0"x3'-0" galvanized steel lattice structures.
- B. 115 kV Transformer Disconnect Switch
  - 1. Outdoor, vertically mounted, vertical break, three-pole, 1200A, group-operated, air-break disconnect switch with manual operating mechanism, rated for operation on a nominal 115 kV, effectively ungrounded utility transmission system.

2. Provide a remote auxiliary switch, with a minimum of eight (8) field interchangeable, fully adjustable auxiliary contacts that follow the operating shaft position (blade position).

**C. Manufacturer: Cleaveland Price Type V2-C – No Exceptions**

**1.04 SUBMITTALS**

- A. Submit the following in accordance with Section 01 33 24
  1. Product Data: Catalogs and cut sheets
  2. Shop Drawings:
    - a. Single-pole Assembly
      - 1) Show dimensions from bottom of base to terminal pads at each end.
      - 2) Dimensions from bottom of base to tip of blade in open position
      - 3) Overall length of base and mounting hole locations.
      - 4) Terminal pad holes relative to base mounting holes.
    - b. 3-pole arrangement with material list and mounting dimensions
    - c. Detail drawings of the operating mechanism.
    - d. Show weight of complete single-pole assembly.
    - e. Show weight of complete 3-pole switch assembly, including operating mechanism.
    - f. Detail drawings of interrupting device and attachments.
    - g. Bill of material
    - h. Complete installation and field assembly instructions.
    - i. Wiring connection and terminal block diagrams (tabular format is not acceptable).
    - j. Results of test made in accordance with the latest ANSI C37.34 test code for air switches covering:
      - 1) Continuous current at 100% rating
      - 2) Momentary current rating
      - 3) Maximum temperature rise at rated current for various switch parts.
    - k. Model number and general description of insulators including cantilever strength.
    - l. Thickness and hardness of silver plating or silver insert.
  3. Design Data
    - a. Manufacturer's certification that all equipment and assemblies conform to the seismic performance requirements stated in Article 1.03.
  4. As-Built Drawings
    - a. Show all changes and revisions to date of equipment shipment.



- B. Operation, Maintenance and Installation Manuals
  - 1. In accordance with provisions of Section 01 78 23

**1.05 QUALITY ASSURANCE**

- A. Factory Inspection and Testing: In accordance with these specifications.
  - 1. Disconnect switch assembly.
    - a. Assemble, adjust and complete manufacturer's standard production tests.

**1.06 DELIVERY, STORAGE AND HANDLING**

- A. Proceed in accordance with Section 01 66 02
- B. Deliver equipment f.o.b. to substation site. MANUFACTURER responsible for arranging, paying freight and shipping, and handling equipment between factory and site
- C. Equipment unloaded by others.
- D. Each switch pole shall be factory assembled and shipped fully assembled, crated to prevent damage during shipment.
  - 1. Remaining hardware required to complete the three-phase assembly and mount devices to the structures shall be provided with the shipment.

**1.07 PROJECT/SITE CONDITIONS**

Isokeraunic level	40 thunderstorm - days/year
Wind velocity	ASCE 7, Basic 3 second gust wind speed of 120 MPH with Importance Factor of 1.15 and Exposure B
Snow Load	40 pounds per square foot
Elevation above sea level	less than 3,300 feet NGVD
Temperature range (min/max)	minus 30 degrees F/plus 104 degrees F
Precipitation	35-40 inches/year average

**PART 2 - PRODUCTS**

**2.01 PRINCIPAL RATINGS AND ELECTRICAL CHARACTERISTICS**

- A. 115 kV Disconnect Switches
  - 1. Nominal voltage: ..... 115 kV, rms
  - 2. Maximum voltage: ..... 121 kV, rms

3. Rated frequency: .....60 Hz
4. Continuous current at 60 Hz: ..... 1200A, rms
5. Momentary current rating (minimum): ..... not less than 40,000 A, rms
6. BIL: .....550 kV

## 2.02 COMPONENTS

### A. Switches - General

1. Construct with no cast iron.
2. Construct with no ferrous switch parts above top insulator caps.
3. Fully adjustable for correction of any misalignment in the insulators, bases, and operating linkage without removal of the switch from the structure
4. Gang-operated, three-pole, single throw rotating insulator type.
5. Provide self-wiping contacts replaceable in the field without removal of the switch from the structure.

### B. Blades

1. Provide blades of high conductivity copper.
2. Provide counter-balance springs as required to counter-balance the weight of the moving parts to prevent impact at the end of travel and to assure ease of operation, both on opening and closing of the switch.
3. Locate counter-balance so that no parts extend outside the switch live parts.

### C. Jaw

1. Provide self-aligning silver-to-silver or silver-to-copper contacts that open and close with a high pressure wiping action.
2. Design contact fingers to provide increase in pressure under short-circuit current conditions.
3. Provide contact pressure springs of stainless steel, insulated from the current path to prevent annealing under fault current conditions.
4. Provide arcing horns.

### D. Hinge

1. Provide high pressure silver-to-silver or silver-to-copper contacts for the current carrying path on the hinge end.

### E. Terminals

1. Provide NEMA standard 4-hole flat pads.

### F. Bearings

1. Provide greaseless or factory sealed permanently lubricated bearings at each rotating insulator stack.

- G. Insulators
  - 1. Provide light gray porcelain insulators, minimum TR-286 standard strength.
- H. Base
  - 1. Furnish switch bases of A-36, H.D. Galvanized steel in accordance with ASTM A-123.
  - 2. Provide metal nameplate on the switch base, to include the following information at a minimum:
    - a. Model or type
    - b. Ratings: current, voltage and momentary current
    - c. Year of manufacture
    - d. Shop order number and serial number
- I. Operating Mechanism
  - 1. General:
    - a. Provide torsional operating mechanism with required steel pipe bearings, cranks, couplings, etc., to allow either direct or indirect operation of switch.
    - b. Provide operating position indicators to indicate open and closed position of switch.
    - c. Provide tinned copper braid rated 400 ampere minimum for grounding the operating shaft to the support structure and OWNER's grounding system.
    - d. Design and construct to ensure switch blades operate in unison and under positive control of the operator while opening or closing the switch.
    - e. Switch operator will be mounted 3 feet above top of foundation to the centerline of the operator.
    - f. Provide adjustable open and closed stops on each phase of the interphase linkage.
  - 2. Manual Operating Mechanism – switches and ground switches
    - a. Type: Worm Gear
    - b. Mounting: To structure leg, 3' – 0" above base plate
    - c. Provide all required operating mechanism parts, including pipe, rods, hardware, mounting brackets, guide plates, etc. to result in a fully functional disconnect switch.

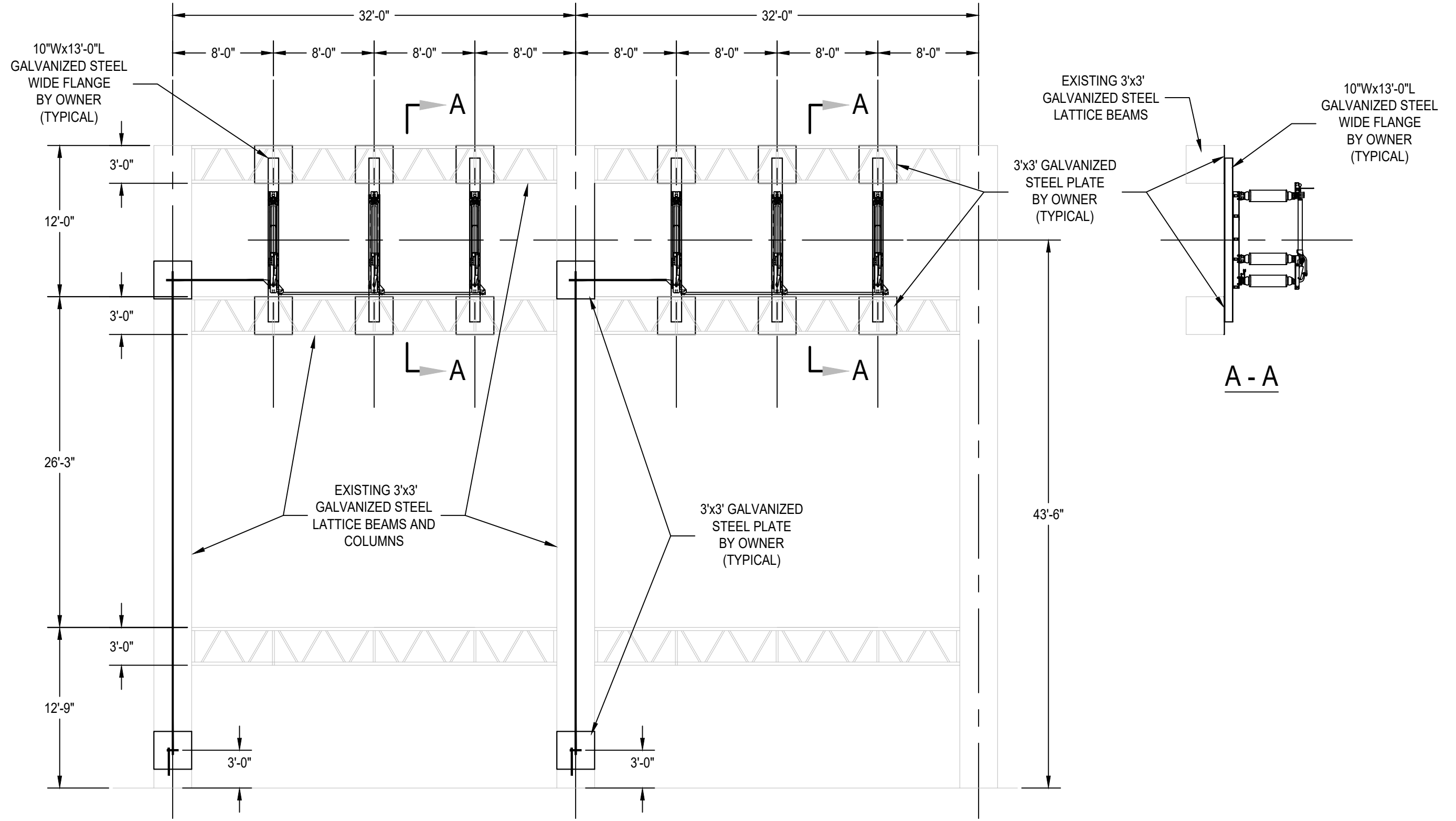
## **2.03 ACCESSORIES**

- A. Special tools if required for installation, maintenance, test or inspection.

## **PART 3 - EXECUTION (NOT USED)**

**END OF SECTION**

# **APPENDIX 1**



DATE	BY	NO.	REVISIONS

<b>PLM</b>		<b>ELECTRIC POWER ENGINEERING</b>	
<small>46 LINDA DR., STE. 201    (508) 436-0800    MARLBOROUGH, MA 01752</small>		<small>VILLAGE OF LAKE PLACID ELECTRIC DEPARTMENT</small>	
<small>LAKE PLACID, NEW YORK</small>		<small>SUBSTATION NO. 1</small>	
<b>ELECTRICAL ARRANGEMENT</b>			
<b>ELEVATION VIEW</b>			
<small>DATE</small> 6/21/24	<small>SCALE</small> 1/8"=1'-0"	<small>NO.</small> <b>936809-SK1-A</b>	