TITLE PAGE FLORIDA DEPARTMENT OF HEALTH DOH18-037



INVITATION TO BID (ITB) FOR Automatic Transfer Switches

Respondent Name:	
Respondent Mailing Address:	
City, State, Zip:	
Phone:Fax Number:	
E-Mail Address:	
Federal Employer Identification Number (FEID):	
BY AFFIXING MY SIGNATURE ON THIS BID TITLE PAGE, I HEREBY STATE THAT I READ THE ENTIRE ITB TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS ALL ITS ATTACHMENTS, INCLUDING THE REFERENCED PUR 1000 AND PUR 1001.	
I hereby certify that my company, its employees, and its principals agree to abide to all terms, conditions, provisions and specifications during the competitive solicitation ar resulting Contract including those contained in the Standard Contract or Department of and Conditions.	nd any
Signature of Authorized Representative:	
Printed (Typed) Name and Title:	

*An authorized representative is an officer of the respondent's organization who has legal authority to bind the organization to the provisions of this Bid. This usually is the President, Chairman of the Board, or owner of the entity. Documentation establishing delegated authority must be included with the Bid if signed by someone other than the authorized representative.

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SECTION 1.0 INTRODUCTORY MATERIALS

1.1 Statement of Purpose

The purpose of this Invitation to Bid (ITB) is for the State of Florida, Department of Health (Department) to obtain competitive prices for the purchase and installation of three service entrance rated Automatic Transfer Switches, two Panelboards, and two Generator Circuit Breakers for the Department's Division of Disability Determination office.

1.1.1 Legal Authority

Chapter 287, Florida Statutes and sections 20.43 and 20.435 (19) (a), Florida Statutes.

1.2 Scope of Services

A detailed scope of services for this solicitation is provided as **Scope of Services** (Attachment A), in this ITB.

1.3 Incorporation by Reference

The PUR 1001, General Instructions to Respondents (PUR 1001), and PUR 1000, General Contract Requirements (PUR 1000), are hereby incorporated by reference to the terms of this solicitation. Refer to **Sections 3.1** and **4.1** of this ITB for further detail.

1.4 Definitions

In addition to the definitions in the PUR 1000 and PUR 1001, and the Scope of Services (Attachment A), the following definitions also apply to this ITB:

Bid: The complete written response of Provider to this ITB, including properly completed forms, supporting documents, and attachments.

Business Days: Monday through Friday, excluding state holidays.

Business Hours: 8:00 a.m. to 5:00 p.m., Eastern Time on all business days.

Calendar Days: All days, including weekends and holidays.

Contract: The formal agreement or Order that will be awarded to the successful Provider under this ITB, unless indicated otherwise.

Department: The Department of Health; may be used interchangeably with DOH.

Minor Irregularity: As used in the context of this solicitation, indicates a variation from the ITB terms and conditions which does not affect the price of the Bid, or give the Respondent an advantage or benefit not enjoyed by other Respondents, or does not adversely impact the interests of the Department.

Order: As used in the context of this solicitation, refers to a Purchase Order.

Respondent: The business entity that submits a Bid.

Provider: The successful Respondent awarded a contract by the Department in accordance with the terms of this ITB.

State: State of Florida.

Vendor Bid System (VBS): Refers to the State of Florida's internet-based vendor information system, which is available at:

http://myflorida.com/apps/vbs/vbs_www.main_menu.

Where there is a conflict between a definition in this solicitation, **Section 1.4**, above, and the definition in **Scope of Services (Attachment A)**, the definition in this solicitation will prevail when the term is used in this solicitation. The definition in the **Scope of Services (Attachment A)**, will prevail when the term is used in the **Scope of Services (Attachment A)**.

SECTION 2.0 PROCUREMENT PROCESS, SCHEDULE, & CONSTRAINTS

2.1 Procurement Officer

The Procurement Officer assigned to this solicitation is:

Allegra Small

Florida Department of Health Attention: Allegra Small 4052 Bald Cypress Way, Bin B07 Tallahassee, FL 32399-1749 Email: Allegra.Small@flhealth.gov

2.2 Restrictions on Communications

Pursuant to section 287.057(23), Florida Statutes, Respondents to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72-hour period following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the Procurement Officer listed in Section 2.1., above. Violation of this provision may be grounds for rejecting a Bid.

2.3 Term

It is anticipated that the Contract resulting from this ITB will be for a one-year period from May 15, 2019 or the Contract execution date whichever is later, subject to renewal as identified in **Section 2.4**. The Contract resulting from this ITB is contingent upon availability of funds.

2.5 <u>Timeline</u>

EVENT	DUE DATE	LOCATION
ITB Advertised / Released	April 25, 2019	Posted to the Vendor Bid System at: http://vbs.dms.state.fl.us/vbs/main_menu
Mandatory Site Visit	May 3, 2019 at 10:00 a.m., Eastern Time	Florida Department of Health Division of Disability Determination 6800 N. Dale Mabry Highway, Suite 270 Tampa, FL 33614 Contact: Ignatius Antosz
Questions Submitted in Writing	Must be received PRIOR TO: May 9, 2019 at 5:00 p.m., Eastern Time	Submit to: Florida Department of Health Central Purchasing Office Attention: Allegra Small Suite 310 4052 Bald Cypress Way, Bin B07 Tallahassee, FL 32399-1749 E-mail: Allegra.Small@flhealth.gov
Answers to Questions (Anticipated Date)	May 14, 2019	Posted to Vendor Bid System at: http://vbs.dms.state.fl.us/vbs/main_menu
Sealed Bids Due and Opened	May 21, 2019 at 2:00 p.m., Eastern Time	PUBLIC OPENING Submit to: Florida Department of Health Central Purchasing Office Attention: Allegra Small Suite 310 4052 Bald Cypress Way, Bin B07 Tallahassee, FL 32399-1749
Anticipated Posting of Intent to Award	May 27, 2019	Posted to the Vendor Bid System at: http://vbs.dms.state.fl.us/vbs/main_menu

2.6 Addenda

If the Department finds it necessary to supplement, modify, or interpret any portion of the solicitation during the procurement process, a written addendum will be posted on the VBS. If the addendum alters the scope or specifications of the solicitation, the Respondent will be required to sign the addendum acknowledging the changes and return it with the bid submittal. It is the responsibility of the Respondent to be aware of any addenda that might affect this ITB or their Bid.

2.7 Mandatory Site Visit

A mandatory site visit will be held at the time and location indicated in **Section 2.5**. The site visit will provide Respondents with an opportunity to tour the facility identified in this ITB.

Attendance at the mandatory site visit is a prerequisite for the acceptance of a Bid. Only Respondents that signed the attendance sheet for the mandatory site visit will be considered responsive.

2.8 Questions

This provision takes precedence over General Instruction #5 in PUR1001.

Questions related to this solicitation must be received, in writing (either via United States Postal Service, courier, e-mail, or hand-delivery), by the Procurement Officer identified in **Section 2.1**, within the time indicated in **Section 2.5**. Verbal questions or those submitted after the period specified in **Section 2.5** will not be addressed.

Answers to questions submitted in accordance with **Section 2.5** will be posted on the VBS.

Requests for equivalents must be prior approved by the Department. All equivalent requests must be submitted with questions in accordance with Section 2.5. The Department will provide approval via the Answers to Questions in accordance with Section 2.5.

2.9 Basis of Award

A single award will be made to the responsive, responsible Respondent offering the lowest grand total for the items requested in this ITB including delivery, FOB destination.

2.10 Identical Tie Bids

In the event that the Department's evaluation results in identical scoring outcomes between Respondents, the Department will determine the award based on the affected Respondents submitted **Identical Tie Certification Form, Attachment F.** Based on this form, the Department will give the award to a Respondent if it is a certified minority-owned (including women-owned) or veteran-owned business. If more than one Respondent is entitled to this preference, the preference will be given to the Respondent that is a qualifying business with the smallest net worth, consistent with Section 295.187(4)(b), Florida Statutes. If the award cannot be decided based on this preference, the Department will apply the criteria identified in sections 287.082, 287.087, and 287.092, Florida Statutes, in that order of precedence.

2.11 Modifications and Withdrawal

A Respondent may modify or withdraw its Bid at any time prior to the submittal deadline, as specified in **Section 2.5**, by submitting a request to the Procurement Officer. Requests for modification or withdrawal of a submitted Bid must be in writing and signed by an authorized signatory of the Respondent. Upon receipt and acceptance of such a request, the entire Bid will be returned to the Respondent and will not be considered unless resubmitted by the Bid due date and time.

2.13 Clarification Process

The Department may request clarification from the Respondent to resolve ambiguities or questioning information (i.e. minor irregularities) presented in its Bid. Clarifications may be requested throughout this procurement process. The Respondent's answers to requested clarifications must be in writing and must address only the information requested. The Respondent's answers to requested clarifications must be submitted to the Department within the time specified by the Department.

2.14 Contract Formation

The Department will enter into a Contract with the awarded Provider pursuant to **Section 2.9**, Basis of Award. The Contract will incorporate the terms of the **Scope of Services** (Attachment A), the Department's **Order**, and the awarded Respondent's **Price Page** (Attachment B).

SECTION 3.0 INSTRUCTIONS FOR BID SUBMITTAL

3.1 General Instructions to Respondents (PUR 1001)

The General Instructions to Respondents (PUR 1001) is incorporated by reference in this solicitation. This document should not be returned with the Bid. The PUR 1001 is located at http://dms.myflorida.com/content/download/2934/11780.

The terms of this solicitation control over any conflicting terms of the PUR1001.

3.2 Instructions for Submittal

- 3.2.1. Respondents must complete, sign, and return the "Title Page" with their Bid submittal. (Mandatory Requirement)
- 3.2.2 Respondents must complete and return the **Price Page (Attachment B)** with their Bid submittal. **(Mandatory Requirement)**
- 3.2.3 Respondents must submit all technical and pricing data in the formats specified in the ITB.
- 3.2.4. Respondents must submit one original paper copy of their Bid and one original copy on a single USB storage device, or CD, viewable in Adobe Acrobat Reader (PDF). The electronic copy submitted must contain the entire Bid as the submitted original copy, including all supporting and signed documents. Refer to Section 3.4 for information on redacting confidential information, if applicable.
- 3.2.5. Bids must be sent by United States Postal Service, courier, or hand delivered to the location indicated in **Section 2.5, Timeline. (Mandatory Requirement)**
- 3.2.6 Bids submitted via electronic mail (email) or facsimile will **not** be considered.
- 3.2.7. Bids must be submitted in a sealed envelope or sealed package with the solicitation number and the date and time of the Bid opening clearly marked on the outside.
- 3.2.8. The Department is not responsible for improperly marked Bids.
- 3.2.9 It is the Respondent's responsibility to ensure its Bid is submitted at the proper place and time indicated in **Section 2.5**, **Timeline**.
- 3.2.10 Bids must be received by the time specified in **Section 2.5**, **Timeline**.
- 3.2.11. The Department's clocks will provide the official time for Bid receipt.
- 3.2.12. Materials submitted will become the property of the State and accordingly, the State reserves the right to use any concepts or ideas contained in the response.

3.3 Cost of Preparation

Neither the Department nor the State is liable for any costs incurred by a Respondent in responding to this solicitation.

3.4 Public Records and Trade Secrets

Notwithstanding any provisions to the contrary, public records must be made available pursuant to the provisions of the Public Records Act. If Respondent considers any portion of their Bid to this solicitation to be confidential, exempt, trade secret, or otherwise not subject to disclosure pursuant to Chapter 119, Florida Statutes, the Florida Constitution, or any other authority, Respondent must segregate and clearly mark the document(s) as "CONFIDENTIAL".

Simultaneously, Respondent will provide the Department with a separate redacted paper and electronic copy of their Bid and briefly describe in writing the grounds for claiming exemption from the public records law, including the specific statutory citation for such exemption. This redacted copy must contain the solicitation name, number, and the name of Respondent on the cover, and must be clearly titled "**REDACTED COPY**".

The redacted copy must be provided to the Department at the same time Respondent submits its Bid and must only exclude or obliterate those exact portions which are claimed confidential, proprietary, or trade secret. Respondent will be responsible for defending its determination that the redacted portions of their Bid are confidential, trade secret, or otherwise not subject to disclosure. Further, Respondent must protect, defend, and indemnify the Department for all claims arising from or relating to the determination that the redacted portions of their Bid are confidential, proprietary, trade secret, or otherwise not subject to disclosure. If Respondent fails to submit a redacted copy with their Bid, the Department is authorized to produce the entire documents, data, or records submitted by Respondent in answer to a public records request for these records.

3.5 Price Page (Attachment B)

Respondents must fill out the **Price Page (Attachment B)**, as indicated, and return it with their Bid.

3.6 Documentation

Respondents must complete and submit the following information or documentation as part of their Bid:

3.6.1. Minimum Qualifications

- 3.6.1.1. Respondent must have a minimum of three years of electrical installation experience.
- 3.6.1.2. Respondent must provide appropriate permits and inspections.

3.6.2 References

Respondents must provide contact information for three entities Respondent has provided commodities or services of a similar size and nature of those requested in this solicitation. Respondents must use the **Reference Form (Attachment C)** of this ITB to provide the required information. The Department reserves the right to contact any and all entities in the course of this solicitation in order to verify experience. Information received may be considered in the Department's determination of Respondent's responsibility. The Department's determination is not subject to review or challenge.

3.6.3 Description of Contract Disputes

Respondent must identify all contract disputes the Respondent (including its affiliates, subcontractors, agents, etc.) has had with any customer(s) within the last three years related to contracts under which the Respondent provided(s) commodities or services in the United States on an organizational or enterprise level that may impact or has impacted the Respondent's ability to provide the services described in this solicitation. Respondents must use **Attachment H**, **Contract Dispute Reporting Form**, of this ITB to provide the required information. The term "contract disputes" means any circumstances involving the performance or non-performance of a contractual obligation that resulted in any of the following actions:

- 3.6.3.1 Identification by the contract customer that the Respondent was in default or breach of a duty or performance under the contract.
- 3.6.3.2 An issuance of a notice of default or breach.
- 3.6.3.3 The assessment of any fines or direct, consequential, or liquidated damages under such contracts.
- 3.6.3.4 For each dispute, the Respondent must list the following information:
 - 3.6.3.4.1. Identify the contract to which the dispute related
 - 3.6.3.4.2. Explain what the dispute related to; and
 - 3.6.3.4.3 Explain whether and how the dispute was resolved.
- 3.6.3.5 If there are no such contract disputes, the Respondent must submit a statement confirming this fact under this title in its Bid.

3.6.4 Licenses/Certifications

Respondent must be a licensed General Contractor in the State of Florida.

3.6.5 Subcontractor List

Respondents electing to subcontract must insure that subcontractors meet minimum qualifications specified in Section 3.6.1., and must complete and submit **Attachment G, Subcontractors List Form**.

3.7 **Special Accommodations**

Persons with disability requiring special accommodations should call the Department's Purchasing office at least five business days, prior to any pre-Bid conference, Bid opening, or meeting at (850) 245-4199. If hearing or speech impaired, please contact the Department's Purchasing office through the Florida Relay Service, at 1-800-955-8771 (TTY).

3.8 Responsive and Responsible (Mandatory Requirements)

Respondents must complete and submit the following mandatory information or documentation as part of their Bid by the time specified in **Section 2.5**; any Bid which does not contain the information below will be deemed non-responsive to this ITB:

- 3.8.1 Title Page must be completed, signed, and returned with Bid submittal. (Mandatory Requirement)
- **3.8.2** Price Page (Attachment B) must be completed as specified in Section 3.5.
- 3.8.3 Mandatory Site Visit must be attended as specified in the Section 2.7.
- **3.8.4 Statement of Non-Collusion (Attachment D)** must be completed as specified.
- 3.8.5 Respondent Certification Regarding Scrutinized Companies Lists (Attachment E) must be completed as specified.
- **3.8.6 Identical Tie Certification Form (Attachment F)** must be completed as specified in **Section 2.10.**

3.9 Late Bids

The Procurement Officer must receive Bids pursuant to this ITB no later than the date and time specified in **Section 2.5**. Bids that are not received by the date and time specified will not be considered.

SECTION 4.0 SPECIAL CONDITIONS

4.1 PUR 1000, General Contract Conditions

The PUR 1000 is incorporated by reference in this ITB and contains general Contract terms and conditions that will apply to any Contract resulting from this ITB, to the extent they are not otherwise modified. This document should not be returned with the Bid. The PUR 1000 is located at http://dms.myflorida.com/content/download/2933/11777.

The terms of this solicitation control over any conflicting terms of the PUR 1000. Paragraph 31 of PUR 1000 does NOT apply to this ITB or any resulting contract.

4.2 Scrutinized Companies

All Respondents seeking to do business with the Department must be in compliance with section 287.135, Florida Statutes. The Department may, at its option, terminate a contract if Respondent is found to have submitted a false certification as provided under section 287.135(5), Florida Statutes, been placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or have been engaged in business operations in Cuba or Syria.

Refer to Respondent Certification Regarding Scrutinized Companies Lists (Attachment E) Form.

4.3 Conflict of Interest

Section 287.057(17)(c), Florida Statutes, provides "A person who receives a contract that has not been procured pursuant to subsections (1)-(3) to perform a feasibility study of the potential implementation of a subsequent contract, who participates in the drafting of a solicitation or who develops a program for future implementation, is not eligible to contract with the agency for any other contracts dealing with that specific subject matter, and any firm in which such person has any interest is not eligible to receive such contract. However, this prohibition does not prevent a vendor who responds to a request for information from being eligible to contract with an agency."

The Department considers participation through decision, approval, disapproval, recommendation, preparation of any part of a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, or auditing or any other advisory capacity to constitute participation in drafting of the solicitation.

4.4 Certificate of Authority

All limited liability companies, corporations, corporations not for profit, and partnerships seeking to do business with the State must be registered with the Florida Department of State in accordance with the provisions of Chapters 605, 607, 617, and 620, Florida Statutes, respectively, prior to Contract execution. The Department retains the right to ask for verification of compliance before Contract execution. Failure of the successful Provider to have appropriate registration may result in withdrawal of Contract award.

4.5 Provider Registration

Each Provider doing business with the State for the sale of commodities or contractual services as defined in section 287.012, Florida Statutes, must register in the MyFloridaMarketPlace system, unless exempted under Rule 60A-1.033, Florida Administrative Code. State agencies must not enter into an agreement for the sale of commodities or contractual services as defined in section 287.012, Florida Statutes, with any Respondent not registered in the MyFloridaMarketPlace system, unless exempted by rule. The successful Provider must be registered in the MyFloridaMarketPlace system within five days after posting of the Intent to Award.

Registration may be completed at:

https://vendor.myfloridamarketplace.com/vms-web/spring/login?execution=e2s1

A Provider lacking internet access may request assistance from MyFloridaMarketPlace Customer Service at 866-352-3776 or from State Purchasing, 4050 Esplanade Drive, Suite 300, Tallahassee, FL 32399.

4.6 <u>Minority, Women, Service-Disabled Veteran, and Service-Disabled Veteran</u> Business Participation

The Department encourages minority, women, service-disabled veteran, and veteranowned business enterprise participation in all its solicitations.

4.7 **Subcontractors**

Respondent may enter into written subcontracts for performance of services under the Contract resulting from this solicitation. Anticipated subcontract agreements known at the time of Bid submission and the amount of the subcontract must be identified in the Bid. If a subcontract has been identified at the time of Bid submission, a copy of the proposed subcontract must be submitted to the Department. No subcontract that Respondent enters into with respect to performance under the Contract will in any way relieve Respondent of any responsibility for performance of its Contract responsibilities with the Department. The Department reserves the right to request and review information in conjunction with its determination regarding a subcontract request.

4.8 Commercial General Liability Insurance

- **4.8.1.** Respondent must secure and maintain, at its sole expense and for the duration of the Contract, term insurance policies to protect, any subcontractor(s), and the State as follows:
 - 4.8.1.1. Workers' Compensation in accordance with applicable state laws and regulations.
 - 4.8.1.2. General Liability Insurance covering all operations and services under the Contract in amounts sufficient to protect the Department.
 - 4.8.1.3. Commercial Automobile Liability Insurance in amounts sufficient to protect the Department.

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- **4.8.2.** Certificates of insurance coverage described above must be furnished by Respondent on request of the Department.
- **4.8.3.** No insurance will be acceptable unless written by a company licensed by the State of Florida, Department of Financial Services, Division of Insurance Agent and Agency Services to do business in Florida, where the work is to be performed at the time the policy is issued.

4.9 Indemnification

Respondent must save and hold harmless and indemnify the Department against any and all liability, claims, judgments, or costs of whatsoever kind or nature for injury to, or death of any person or persons and for loss or damage to any property resulting from the use, service operation, or performance of work under the terms of the Contract, resulting in whole or in part from the negligent acts or omissions by Respondent, their subcontractor, or any of the employees, agents, or representatives of Respondent or subcontractor.

4.10 Performance Measures

Pursuant to section 287.058, Florida Statutes, the resulting Contract must contain performance measures which specify the required minimum level of acceptable service to be performed. The performance measures are detailed in the **Scope of Services** (Attachment A).

4.11 <u>Financial Consequences</u>

Pursuant to section 287.058, Florida Statutes, the resulting Contract must contain financial consequences that will apply if Respondent fails to perform in accordance with the Contract terms. The financial consequences are detailed in the **Scope of Services** (Attachment A).

4.12 <u>Order</u>

Respondents must become familiar with the Department's Order which contains administrative, financial, and non-programmatic terms and conditions mandated by federal laws, state statutes, administrative code rules, and directive of the Chief Financial Officer.

Use of the Order is mandatory for Department Orders issued in MyFloridaMarketplace as they contain the basic clauses required by law. The terms and conditions contained in the Order Terms and Conditions are non-negotiable. The State of Florida, Department of Health, Order Terms and Conditions are located at:

http://www.floridahealth.gov/about-the-department-of-health/about-us/administrative-functions/purchasing/_documents/DOH-Terms-and-Conditions.pdf

4.13 Conflict of Law and Controlling Provisions

Any Contract resulting from this ITB, and any conflict of law issue, will be governed by the laws of Florida. Venue must be in Leon County, Florida, to the exclusion of all other jurisdictions.

Respondents acknowledge that this solicitation (including but not limited to the resulting Contract, exhibits, attachments, or amendments) is not a rule nor subject to rulemaking under Chapter 120 (or its successor) of the Florida Statutes and is not subject to challenge as a rule or non-rule policy under any provision of Chapter 120, Florida Statutes.

4.14 Agency Inspectors General

It is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to section 20.055, Florida Statutes.

4.15 Records and Documentation

To the extent that information is used in the performance of the resulting Contract or generated as a result of it, and to the extent that information meets the definition of "public record" as defined in section 119.011(12), Florida Statutes, said information is hereby declared to be and is hereby recognized by the parties to be a public record and absent a provision of law or administrative rule or regulation requiring otherwise, Respondent must make the public records available for inspection or copying upon request of the Department's custodian of public records in accordance with Chapter 119, Florida Statutes. Respondent's refusal to comply with Chapter 119, Florida Statutes, will constitute an immediate breach of the Contract resulting from this ITB and entitles the Department to unilaterally terminate the Contract.

Unless a greater retention period is required by state or federal law, all documents pertaining to the program contemplated by this ITB must be retained by Respondent for a period of six years after the termination of the resulting Contract or longer as may be required by any renewal or extension of the Contract. During the records retention period, Respondent agrees to furnish, when requested to do so, all documents required to be retained. Submission of such documents must be in the Department's standard word processing format. If this standard should change, it will be at no cost incurred to the Department. Data files will be provided in a format readable by the Department.

Respondent must maintain all records required to be maintained pursuant to the resulting Contract in such manner as to be accessible by the Department upon demand. Where permitted under applicable law, access by the public must be permitted without delay.

4.16 Attorney's Fees

In the event of a dispute prior to or post award, each party responding to this solicitation is responsible for its own attorneys' fees, except as otherwise provided by law.

4.17 Protests

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post a bond or other security required by law within the time allowed for filing a bond will constitute a waiver of proceedings under Chapter 120, Florida Statutes.

Only documents delivered by the United States Postal Service, a private delivery service, in person, or by facsimile during business hours will be accepted. Documents received after business hours will be filed the following business day.

No filings may be made by email or any other electronic means. All filings must be made with the Agency Clerk ONLY and are only considered "filed" when stamped by the official stamp of the Agency Clerk. It is the responsibility of the filing party to meet all filing deadlines.

Do not send Bids to the Agency Clerk's Office. Send all Bids to the Procurement Officer and address listed in Section 2.5, Timeline.

The Agency Clerk's mailing address:

Agency Clerk Florida Department of Health 4052 Bald Cypress Way, BIN A-02 Tallahassee, Florida 32399-1703 Telephone No. (850) 245-4005

The Agency Clerk's physical address for hand deliveries:

Agency Clerk Florida Department of Health 2585 Merchants Row Blvd. Tallahassee, Florida 32399 Fax No. (850) 413-8743

ATTACHMENT A SCOPE OF SERVICES

1. PURPOSE:

This scope of work is for the provision and installation of three automatic transfer switches, two 800 amp panelboards, and two 700 amp generator circuit breakers. Contractor will provide these services to the Florida Department of Health (Department).

2. TERM:

It is anticipated that the Contract resulting from this ITB will be a one-year contract beginning May 15, 2019 or the Contract execution date whichever is later. The Contract resulting from this ITB is contingent upon availability of funds.

3. LOCATION OF WORK:

The worksite for this scope of work is the following location(s):

Department of Health, Division of	6800 N. Dale Mabry Highway,
Disability Determination	Tampa, Florida 33614

4. CRIMINAL BACKGROUND SCREENING:

The Department will conduct a criminal history record check, including fingerprinting, on the consultant assigned by the Contractor prior to the consultant commencing work for the Department. The Department retains sole discretion as to whether the results of the criminal history record check will result in the Contractor's employee being disqualified from performing services pursuant to this agreement.

5. CONTRACTOR QUALIFICATIONS AND EXPERIENCE:

The Contractor must possess the following minimum qualifications and experience:

- 5.1 Provider must have a minimum of three years of electrical installation experience.
- 5.2 Provider must be able to obtain and provide the appropriate permits and inspections.
- 5.3 Providers electing to subcontract must insure that subcontractors meet minimum qualifications specified above.

6. CONTRACTOR RESPONSIBILITIES:

- 6.1 **SERVICE TASKS**: Contractor will perform the following tasks in the time and manner specified:
 - 6.1.1 Provide three new Automatic Transfer Switches (400 amp, 200 amp, and 125 amp) to exterior service entrances by May 31, 2019. Ensure the Automatic Transfer Switches are manufactured by Thomson Power Systems, or a Department approved equivalent, and are compatible with the current configuration of the Generac Generator, model #D15.2L, 500kW. Connect switches to existing electrical feed from Generac generator.
 - 6.1.2 Provide two 800 amp Panelboards by May 31, 2019.
 - 6.1.3 Provide two 700 amp Generator Circuit Breakers by May 31, 2019.
 - 6.1.4 Install and connect the Automatic Transfer Switches, Panelboards, and Generator Circuit Breakers to existing electrical feed from Generac generator at exterior service entrances as directed by the Department by

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ATTACHMENT A SCOPE OF SERVICES

May 31, 2019. **Exhibit I,** Electrical Plans, are provided as an attachment to this ITB.

- 6.2 **DELIVERABLES:** Contractor will complete and submit the following deliverables to the Department in the time and manner specified:
 - 6.2.1 Provide and install the three Automatic Transfer Switches, two 800 amp Panelboards, and two 700 amp Generator Circuit Breakers as specified in Tasks 6.1.1 through 6.1.4.

7. METHOD OF PAYMENT:

- 7.1 A purchase order will be issued to the Contractor.
- 7.2 The method of payment for this purchase order is fixed price.
- 7.3 The Contractor will not receive payment in advance for goods or services described in this scope of work.
- 7.4 The Contractor must submit an invoice upon completion of all deliverables that provides a detailed accounting of the deliverables performed during the invoice period for which payment is being requested.
- 7.5 The Contractor is responsible for the performance of all tasks and deliverables contained in this scope of work.

8. PERFORMANCE MEASURES AND FINANCIAL CONSEQUENCES:

All deliverables and related tasks must be completed 100% as specified and approved by the contract manager. Failure to satisfactorily complete or submit a deliverable in the time and manner specified will result in a financial consequence as indicated below:

8.1 Failure to provide and install the three Automatic Transfer Switches, two 800 amp Panelboards, and two 700 amp Generator Circuit Breakers as specified by May 31, 2019 will result in a 10 percent reduction in the invoice amount for each item not provided and installed as specified.

9. CONTRACTOR TRAVEL REIMBURSEMENT:

The Contractor will not be reimbursed for any travel expenses under this agreement.

10. DEPARTMENT CONTRACT MANAGER:

The Department Contract Manager for this scope of work will be determined after contract award.

11. CONTROLLING TERMS AND CONDITIONS:

- 11.1 ITB DOH18-037;
- 11.2 Department Scope of Work SOW18-XXX;
- 11.3 Department Purchase Order Terms and Conditions; and
- 11.4 Provider's ITB Response and Price Sheet.

ATTACHMENT B PRICE PAGE

A single award solicitation will be made to the responsive, responsible Respondent offering lowest grand total for the services requested in this ITB, including delivery, FOB destination.

Unit price will control in the case of mathematical error(s).

No changes should be made to the format of this price page.

Item #	Description	Unit Price	Quantity	Total Price
1	Automatic Transfer Switches 400 amp	\$	1	\$
2	Automatic Transfer Switches 200 amp	\$	1	\$
3	Automatic Transfer Switches 125 amp	\$	1	\$
4	Panelboards 800 amp	\$	2	\$
5	Generator Circuit Breakers 700 amp	\$	2	\$
6	6 Installation Cost		1	\$
Grand Total				\$

ATTACHMENT C REFERENCE FORM

Pro	vider's Name:	
dese Res rese expe Res	cribed in Section 3.6.1 . The Department compondents must use this reference form to perves the right to contact any and all entities erience. Information received may be considered.	for three references evidencing experience as annot be used as a reference for this solicitation. provide the required information. The Department is in the course of this solicitation in order to verify sidered in the Department's determination of the lat's determination is not subject to review or
	Company or Agency Name:	
	Address:	
	City, State, Zip:	
1.	Products or services provided:	
	Contract or Order Number:	
	Contract or Order Term (Start – End Date): mm/dd/yyyy – mm/dd/yyyy	
	Contact Name:	
	Contact Phone:	
	Contact Email Address:	
	Company or Agency Name:	
	Address:	
	City, State, Zip:	
	Products or services provided:	
2.	Contract or Order Number:	
	Contract or Term (Start – End Date): mm/dd/yyyy – mm/dd/yyyy	

DOH18-037 Invitation to Bid Generator Switches

Contact Name:

Contact Phone:

Contact Email Address:

ATTACHMENT C REFERENCE FORM

	Company or Agency Name:	
3.	Address:	
	City, State, Zip:	
	Products or services provided:	
	Contract or Order Number:	
	Contract or Order Term (Start – End Date): mm/dd/yyyy – mm/dd/yyyy	
	Contact Name:	
	Contact Phone:	
	Contact Email Address:	

ATTACHMENT D STATEMENT OF NON-COLLUSION

I hereby certify that my company, its employees, and its principals, had no involvement in performing a feasibility study of the implementation of the subject Contract, in the drafting of this solicitation document, or in developing the subject program. Further, my company, its employees, and principals, engaged in no collusion in the development of the instant Bid, proposal or reply. This Bid, proposal or reply is made in good faith and there has been no violation of the provisions of Chapter 287, Florida Statutes, the Florida Administrative Code Rules promulgated pursuant thereto, or any procurement policy of the Department. I certify I have full authority to legally bind Respondent to the provisions of this Bid, proposal or reply.

Signature of Authorized Representative*	-	Date

*An authorized representative is an officer of the Respondent's organization who has legal authority to bind the organization to the provisions of the Bids. This usually is the President, Chairman of the Board, or owner of the entity. A document establishing delegated authority must be included with the Bid if signed by someone other than the President, Chairman or owner.

ATTACHMENT E RESPONDENT CERTIFICATION REGARDING SCRUTINIZED COMPANIES LIST

Respondent Name:	
Respondent Mailing Address:	
City-State-Zip:	
Telephone Number:	-
Email Address:	
Federal Employer Identification Number (FEID):	
Section 287.135, Florida Statutes prohibits a company from bidding on, submitting a proposal into or renewing a contract for goods or services of any amount if, at the time of contracting company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 21 Statutes, or is engaged in a boycott of Israel. Section 287.135, Florida Statutes, also prohibits a bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services or more, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutiniz with Activities in the Iran Petroleum Energy Sector Lists which were created pursuant to section 2 Statutes.	or renewal, the 5.4725, Florida company from s of \$1,000,000 zed Companies
As the person authorized to sign on behalf of the Respondent, I hereby certify that the company is in the section entitled "Respondent Name" is not listed on either the Scrutinized Companies with Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or Companies that Boycott Israel List. I further certify that the company is not engaged in a boycunderstand that pursuant to section 287.135, Florida Statutes, the submission of a false certification company to civil penalties, attorney's fees, and/or costs.	vith Activities in the Scrutinized cott of Israel.
Signature of Authorized Representative*:	
Printed (Typed) Name and Title:	

*An authorized representative is an officer of the Respondent's organization who has legal authority to bind the organization to the provisions of the Bids. This usually is the President, Chairman of the Board, or owner of the entity. A document establishing delegated authority must be included with the Bid if signed by someone other than the President, Chairman or owner.

ATTACHMENT F Identical Tie Certification Form

Responde	ent Name:	
Responde	ent Mailing	J Address:
City-State	e-Zip:	
Telephon	e Number:	·
Email Add	dress:	
Federal E	mployer lo	dentification Number (FEID):
proposal, o to take ad	or replies re vantage of	Statutes, provide Respondents the advantage of "tie breakers" whenever two or more bids eceived by an agency are equal with respect to price, quality, and service. For a Respondent the below "tie breakers," it must meet the statutory qualifications for one or more of these that it qualifies for the cited preference.
to the Res Responde	spondent is	covers that any information on this form is false after the award a made, the Department reserves the right to terminate the Contract and hold the awarded or costs associated with re-procuring the services. The Respondent certifies that below its Bid.
Yes	No	Applicable Certification
		<u>Certified Minority Business Enterprise</u> : This Bid is from a certified minority-owned firm or company in accordance with section 287.057(11), Florida Statutes, with a company net worth of
		<u>Service Disabled Veterans Business Enterprise</u> : This Bid is from a service disabled veterans business enterprise in accordance with section 295.187, Florida Statutes, with a company net worth of
		<u>Drug Free Workplace</u> : This Bid is from a Respondent that currently maintains a drug-free workplace environment in accordance with section 287.087, Florida Statutes, and will continue to promote this policy through implementation of that section.
		Foreign Manufacturer: This Bid is from a foreign manufacturer with a factory in Florida employing over 200 employees in the State in accordance with section 287.092, Florida Statutes.
		This Bid is from a Respondent that is not eligible for any of the above preferences.
with the al	oove requir	ized to sign this statement on behalf of the Respondent, I certify that this Bid complies fully ements.

*An authorized representative is an officer of the Respondent's organization who has legal authority to bind the organization to the provisions of the Proposal, Reply or Bids. This usually is the President, Chairman of the Board, or owner of the entity. A document establishing delegated authority must be included with the Proposal, Reply or Bid, if signed by someone other than the President, Chairman or owner.

Printed (Typed) Name and Title:

DOH18-037 Invitation to Bid Generator Switches

ATTACHMENT G SUBCONTRACTORS LIST

Each Respondent must submit with its response a list of the subcontractors who will perform work under the Contract that is expected to result from this solicitation. The Respondent must determine that a listed subcontractor has been successfully engaged in performing the services required under this solicitation and is qualified to provide the services under the resulting Contract.

In the event that no subcontractor will be used, this form must be returned with the Respondent's response indicating "No Subcontractors will be used."

Subcontractor Name:		
Product or Services Provided		
Address:		
City and Zip		
Phone #		
Subcontractor Name:		
Product or Services Provided		
Address:		
City and Zip		
Phone #		
Subcontractor Name:		
Product or Services Provided		
Address:		
City and Zip		
	 	

*This individual must have the authority to bind the Respondent.

ATTACHMENT H CONTRACT DISPUTE REPORTING FORM FOR RESPONDENT

The document is to be used by the Respondent to certify information related to contract disputes the Respondent (including its affiliates, subcontractors, agents, etc.) has had with any customer(s) within the last five years.

Within the last five years, did Respondent have any contract disputes?	
Yes □ No □	
f yes, complete the following information:	
Customer Name:	
Contract Number(s):	
Date of Contract Dispute:	
Explanation of Dispute:	
Resolution of Dispute:	
Amount of Fine (if any):	
By signing this document, I certify to the best of my knowledge that the information presente accurate, and complete for contract disputes experienced during the last five years from the	
Authorized Representative Signature Date	
Additional contract dispute information can be documented on page two of this form and sul	osequent copies

DOH18-037 Invitation to Bid Generator Switches

of page two as needed.

ATTACHMENT H CONTRACT DISPUTE REPORTING FORM FOR RESPONDENT

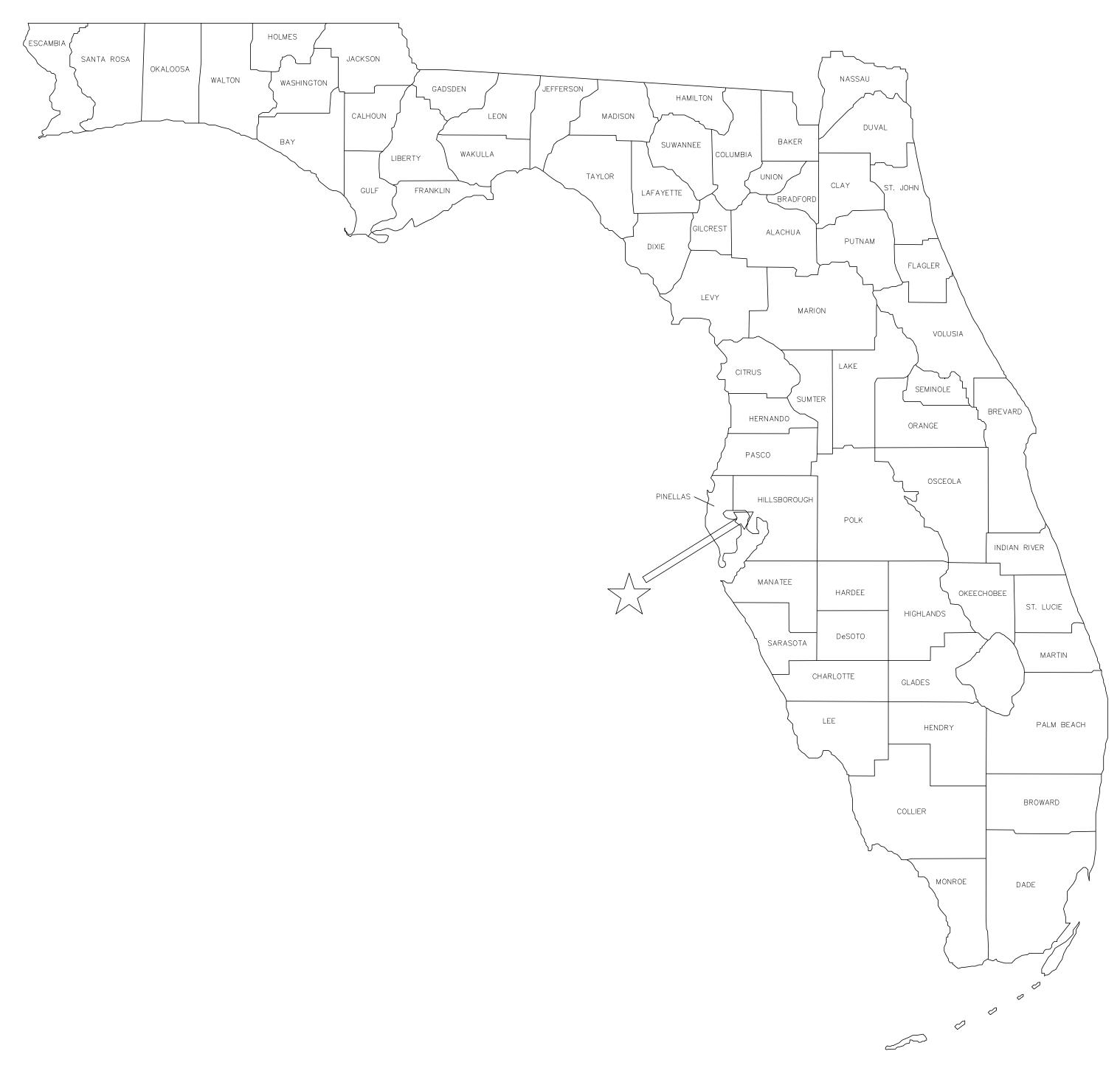
Customer Name:	_
Contract Number(s):	_
Date of Contract Dispute:	-
Explanation of Dispute:	
Resolution of Dispute:	
-	
Amount of Fine (if any):	

Department of Health

6800 N. Dale Mabry

Tampa, Florida 33614

Optional Standby Power Upgrade



Sheet Index:

E1.1 - Electrical Site Plan and Details

E1.2 - Electrical Riser Diagram, Notes, and Schedules

EXHIBIT I - ELECTRICAL PLANS

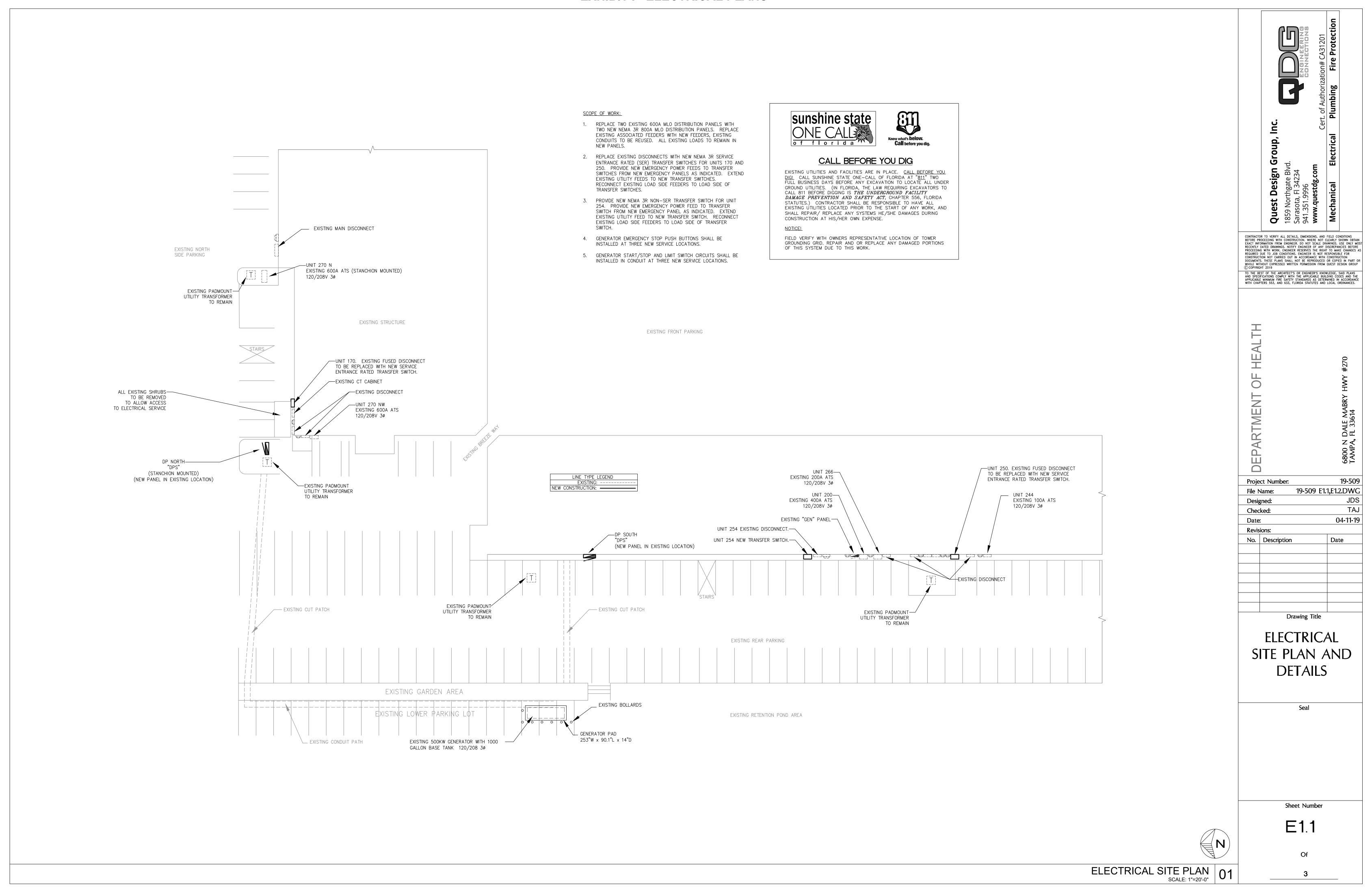


EXHIBIT I - ELECTRICAL PLANS

EXISTING UNIT #270 SERVICE LOAD ANAI		EXISTING UNIT # SERVICE LOAD ANA	
EXISTING SERVICE		EXISTING SERVICE	
EXISTING SERVICE — METER #L11066	208V, 3ø – 600A	EXISTING SERVICE — METER #C22688	208V, 3ø – 200A
ACTUAL CUSTOMER ENERGY USAGE REPORT PER FPL		ACTUAL CUSTOMER ENERGY USAGE REPORT PER FPL	
LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.87	SEPT 2014 - 73 KW 91.25 KW	LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.87	SEPT 2014 - 30 KW 37.5 KW
ADDITIONAL LOAD		ADDITIONAL LOAD	
NONE	0 KW	NONE	0 KW
NEW TOTAL LOAD		NEW TOTAL LOAD	
	91.25 KW		37.5 KW
@208/120V, 3ø	253 A	@208/120V, 3ø	104 A

EXISTING UNIT #270 SERVICE LOAD ANAL			KISTING UNIT #2 VICE LOAD ANAL	
EXISTING SERVICE		EXISTING SERVICE		
EXISTING SERVICE — METER #L11081	208V, 3ø – 600A	EXISTING SERVICE — METER #H80663		208V, 1ø – 100A
ACTUAL CUSTOMER ENERGY USAGE REPORT PER FPL		ACTUAL CUSTOMER EN	ERGY USAGE REPORT PER FPL	
LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.87	SEPT 2014 - 48 KW 60 KW		ND DATES AGE DEMAND PER NEC 220.87	SEPT 2014 - 10 KW 12.5 KW
ADDITIONAL LOAD		ADDITIONAL LOAD		
NONE	0 KW	NONE		0 KW
NEW TOTAL LOAD		NEW TOTAL LOAD		
	60 KW			12.5 KW
@208/120V, 3ø	165 A		@208/120V, 1ø	60 A

UNIT #170 SERVICE LOAD ANA	LYSIS	• • • • • • • • • • • • • • • • • • •	nit #250 Load an <i>a</i>	ALYSIS
EXISTING SERVICE		EXISTING SERVICE		
EXISTING SERVICE — METER #C09201	208V, 3ø – 400A	EXISTING SERVICE — METER #H88670		208V, 3ø – 200A
ACTUAL CUSTOMER ENERGY USAGE REPORT PER FPL		ACTUAL CUSTOMER ENERGY USAG	E REPORT PER FPL	
LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.87	OCT 2018 - 31.24 KW 39.1 KW	LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAN		
ADDITIONAL LOAD		ADDITIONAL LOAD		
NONE	0 KW	NONE		0 KW
NEW TOTAL LOAD		NEW TOTAL LOAD		
	39.1 KW			46.2 KW
@208/120V, 3ø	108.5 A		@208/120V, 3ø	128.2 A

EXISTING UNIT SERVICE LOAD AN	
XISTING SERVICE	
Existing service — Meter #H88715	208V, 3ø – 400A
CTUAL CUSTOMER ENERGY USAGE REPORT PER FF	<u>PL</u>
LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.8	SEPT 2014 - 39 KW 48.8 KW
ADDITIONAL LOAD	
PANEL "GEN"	3 KW
NEW TOTAL LOAD	54 O 1/W
	51.8 KW 3ø 144 A

UNIT #254 SERVICE LOAD ANAL	YCIC
SERVICE LOAD ANAL	1313
EXISTING SERVICE	
EXISTING SERVICE — METER #C22870	208V, 3ø – 12
ACTUAL CUSTOMER ENERGY USAGE REPORT PER FPL	
LARGEST USAGE DEMAND DATES 125% OF LARGEST USAGE DEMAND PER NEC 220.87	N/ N/
ADDITIONAL LOAD	
NONE	0
NEW TOTAL LOAD	
	36
@208/120V, 3ø	100

O.C.P.D.** AMPERE RATING	SYMBOL*	3 WIRE WITH GROUND (2P W/ NEUTRAL) OR (3P)	SYMBOL*	4 WIRE WITH GROUND (3P W/ NEUTRAL)
20A	(A20)	3-#12, #12G. IN 3/4°C.	B20	4-#12, #12G. IN 3/4"C.
25A	(A25)	3-#10, #10G. IN 3/4°C.	B25	4-#10, #10G. IN 3/4°C.
30A	(A30)	3-#10, #10G. IN 3/4°C.	B30	4-#10, #10G. IN 3/4°C.
35A	(A35)	3-#8, #10G. IN 1"C.	B35	4-#8, #10G. IN 1"C.
40A	(A40)	3-#8, #10G. IN 1"C.	B40	4-#8, #10G. IN 1"C.
45A	(A45)	3-#8, #10G. IN 1"C.	B45	4-#8, #10G. IN 1"C.
50A	(A50)	3-#8, #10G. IN 1"C.	B50	4-#8, #10G. IN 1"C.
60A	(A60)	3-#6, #10G. IN 1 1/4"C.	B60	4-#6, #10G. IN 1 1/4°C.
70A	(A70)	3-#4, #8G. IN 1 1/4°C.	B70	4-#4, #8G. IN 1 1/4°C.
80A	(A80)	3-#4, #8G. IN 1 1/4°C.	B80	4-#4, #8G. IN 1 1/4°C.
90A	(A90)	3-#3, #8G. IN 1 1/4°C.	B90	4-#3, #8G. IN 1 1/2°C.
100A	A100	3-#3, #8G. IN 1 1/4°C.	B100	4-#3, #8G. IN 1 1/2°C.
110A	A110	3-#2, #6G. IN 1 1/2"C.	B110	4-#2, #6G. IN 1 1/2°C.
125A	A125	3-#1, #6G. IN 2"C.	B125	4-#1, #6G. IN 2"C.
150A	A150	3-#1/0, #6G. IN 2°C.	B150	4-#1/0, #6G. IN 2"C.
175A	A175	3-#2/0, #6G. IN 2"C.	B175	4-#2/0, #6G. IN 2 1/2°C.
200A	(A200)	3-#3/0, #6G. IN 2 1/2°C.	B200	4-#3/0, #6G. IN 2 1/2°C.
225A	A225	3-#4/0, #4G. IN 2 1/2"C.	B225	4-#4/0, #4G. IN 3"C.
250A	A250	3-#250MCM, #4G. IN 3"C.	B250	4-#250MCM, #4G. IN 3"C.
300A	(A300)	3-#350MCM, #4G. IN 3"C.	B300	4-#350MCM, #4G. IN 3 1/2"C
350A	(A350)	3-#400MCM, #3G. IN 3"C.	B350	4-#400MCM, #3G. IN 3 1/2°C.
400A	(A400)	3-#500MCM, #3G IN 3 1/2°C.	B400	4-#500MCM, #3G IN 4"C.
450A	(A450)	2 SETS: 3-#4/0, #2G. EACH IN 2 1/2"C.	B450	2 SETS: 4-#4/0, #2G. EACH IN 2 1/2"C.
500A	(A500)	2 SETS: 3-#250MCM, #2G. EACH IN 3"C.	B500	2 SETS: 4-#250MCM, #2G. EACH IN 3"C.
600A	(A600)	2 SETS: 3-#350MCM, #1G. EACH IN 3"C.	B600	2 SETS: 4-#350MCM, #1G. EACH IN 3"C.
700A	(A700)	2 SETS: 3-#400CM, #1/0G. EACH IN 3 1/2"C.	B700	2 SETS: 4-#400MCM, #1/0G. EACH IN 3 1/2"C.
800A	(A800)	2 SETS: 3-#500MCM, #1/0G. EACH IN 3 1/2"C.	B800	2 SETS: 4-#500MCM, #1/0G. EACH IN 4"C.
(G1/0)	1-#1/0		IN 1"C.	G3/0) 1-#3/0 G IN 1"C.

- UNDERLINED TEXT WITHIN A SYMBOL INDICATES NO GROUND WIRE FOR SVC. FEEDER OR NO NEUTRAL FOR MOTOR LOAD. * OVER CURRENT PROTECTIVE DEVICE 1. FOR SINGLE PHASE CIRCUITS, INCREASE WIRE ONE SIZE FOR EACH 100' OF CIRCUIT LENGTH. FOR THREE PHASE CIRCUITS, INCREASE WIRE ONE SIZE FOR EACH 200' OF CIRCUIT LENGTH. (ADJUST
- 2. VOLTAGE DROP: THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED SHALL BE SIZED FOR A MAXIMUM OF 5 PERCENT VOLTAGE DROP TOTAL. IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - ENERGY CONSERVATION, SECTION C405.6.3. CALCULATIONS SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR BASED ON ACTUAL FIELD INSTALLATIONS AND DISTANCES PRIOR
- 3. ALL UNDERGROUND AND ROOFTOP CONDUCTORS TO BE 90°C CONDUCTORS, TYPE XHHW-2. ALLOWABLE AMPACITY PER 75°C COLUMN, NEC 70 (2014) TABLE 310.15(B)(16).
- 4. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN INSULATION UNLESS OTHERWISE NOTED.
- 5. FOR EQUIPMENT BONDING CONDUCTORS LOCATED ON THE SECONDARY SIDE OF TRANSFORMERS, REFER TO ARTICLE 250-30(A)(1) AND (2) OF NEC FOR SYSTEM BONDING AND SUPPLY SIDE BONDING JUMPER REQUIREMENTS. REFER TO ARTICLE 250.28 FOR ADDITIONAL REQUIREMENTS. SEE TABLE 250.66 FOR SIZING INFORMATION.

ALUN	MUNIN	CONDUCTOR AN	D CO	NDUIT SCHEDULE
O.C.P.D.** AMPERE RATING	SYMBOL*	3 WRE WITH GROUND (2P W/ NEUTRAL) OR (3P)	SYMBOL*	4 WIRE WITH GROUND (3P W/ NEUTRAL)
100A	(AA100)	3-#1, #6G. IN 2"C.	(AB100)	4-#1, #6G. IN 2"C.
110A	(AA110)	3-#1/0, #4G. IN 2"C.	(AB110)	4-#1/0, #4G. IN 2"C.
125A	(AA125)	3-#1/0, #4G. IN 2"C.	(AB125)	4-#1/0, #4G. IN 2"C.
150A	(AA150)	3-#3/0, #4G. IN 2 1/2°C.	(AB150)	4-#3/0, #4G. IN 2 1/2"C.
175A	(AA175)	3-#4/0, #4G. IN 2 1/2°C.	(AB175)	4-#4/0, #4G. IN 3"C.
200A	(AA200)	3-250MCM, #4G. IN 3"C.	(AB200)	4-250MCM, #4G. IN 3"C.
225A	(AA225)	3-300MCM, #2G. IN 3"C.	(AB225)	4-300MCM, #2G. IN 3"C.
250A	(AA250)	3-350MCM, #2G. IN 3"C.	(AB250)	4-350MCM, #2G. IN 3 1/2"C.
300A	(AA300)	3-500MCM, #2G. IN 3 1/2"C.	(AB300)	4-500MCM, #2G. IN 4"C.
350A	(AA350)	3-600MCM, #1G. IN 4"C.	(AB350)	4-600MCM, #1G. IN 4"C.
400A	(AA400)	2 SETS: 3-#250MCM, #1G EACH IN 3"C.	(AB400)	2 SETS: 4-#250MCM, #1G EACH IN 3"C.
450A	(AA450)	2 SETS: 3-#300MCM, #1/0G EACH IN 3"C.	(AB450)	2 SETS: 4-#300MCM, #1/0G EACH IN 3"C.
500A	(AA500)	2 SETS: 3-#350MCM, #1/0G. EACH IN 3"C.	(AB500)	2 SETS: 4-#350MCM, #1/0G EACH IN 3 1/2"C.
600A	(AA600)	2 SETS: 3-#500MCM, #2/0G. EACH IN 3 1/2"C.	(AB600)	2 SETS: 4-#500MCM, #2/0G EACH IN 4"C.
700A	(AA700)	2 SETS: 3-#600MCM, #3/0G. EACH IN 4"C.	(AB700)	2 SETS: 4-#600MCM, #3/0G EACH IN 4"C.
800A	(AA800)	3 SETS: 3-#350MCM, #3/0G. EACH IN 3"C.	(AB800)	3 SETS: 4-#350MCM, #3/0G EACH IN 3 1/2"C.
G1/0	1-#1/0 ((COPPER)	G IN 1"C. $G2/O$ $1-#2/O$ G (COPPER)	IN 1"C.	G3/0 1-#3/0 G IN 1"C. (COPPER)

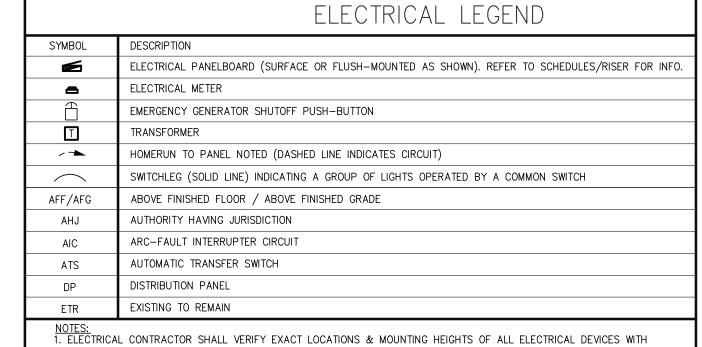
- UNDERLINED TEXT WITHIN A SYMBOL INDICATES NO GROUND WIRE FOR SVC. FEEDER OR NO NEUTRAL FOR MOTOR LOAD. OVER CURRENT PROTECTIVE DEVICE
- 1. ALL CONDUCTORS LESS THAN 100-AMPS MUST BE COPPER WITH TYPE THHN INSULATION, ALL CONDUCTORS 100-AMPS AND LARGER SHALL BE ALUMINUM WITH TYPE THHN INSULATION.

CONDUIT AS REQ'D).

- 2. CONTRACTOR SHALL COORDINATE ALL LUG SIZES REQUIRED FOR THE CABLING TO ELECTRICAL EQUIPMENT.
- 3. FOR SINGLE PHASE CIRCUITS, INCREASE WIRE ONE SIZE FOR EACH 100' OF CIRCUIT LENGTH. FOR THREE PHASE CIRCUITS, INCREASE WIRE ONE SIZE FOR EACH 200' OF CIRCUIT LENGTH. (ADJUST
- 4. VOLTAGE DROP: THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED SHALL BE SIZED FOR A MAXIMUM OF 5 PERCENT VOLTAGE DROP TOTAL, IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - ENERGY CONSERVATION, SECTION C405.6.3. CALCULATIONS SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR BASED ON ACTUAL FIELD INSTALLATIONS AND DISTANCES PRIOR
- 5. ALL UNDERGROUND AND ROOFTOP CONDUCTORS TO BE 90°C, TYPE XHHW-2. ALLOWABLE AMPACITY PER 75°C COLUMN, NEC 70 (2014) TABLE 310.15(B)(16).
- 6. FOR EQUIPMENT BONDING CONDUCTORS LOCATED ON THE SECONDARY SIDE OF TRANSFORMERS, REFER TO ARTICLE 250-30(A)(1) AND (2) OF NEC FOR SYSTEM BONDING AND SUPPLY SIDE BONDING JUMPER REQUIREMENTS. REFER TO ARTICLE 250.28 FOR ADDITIONAL REQUIREMENTS. SE TABLE 250.66 FOR SIZING INFORMATION.

ELECTRICAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED. THE DRAWINGS AND DETAILS WILL BE EXAMINED FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. ANYTHING MENTIONED IN THE SPECIFICATION AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS BUT NOT IN THE SPECIFICATIONS WILL BE INTERPRETED AS BEING IN BOTH. CONFLICTS WILL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER OR ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 2. THE ELECTRICAL CONTRACTOR TO FURNISH ALL EQUIPMENT, MATERIAL, LABOR, ETC. NECESSARY TO PROVIDE A COMPLETE, WORKABLE AND CODE APPROVED ELECTRICAL POWER DISTRIBUTION SYSTEM. ALL WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES.
- 3. THE ELECTRICAL CONTRACTOR WILL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT FEES, SALES TAXES AND OTHER COSTS IN CONNECTION WITH HIS WORK, FILE ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK, AND DELIVER TO THE GENERAL CONTRACTOR THE SAME CERTIFICATES BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.
- 4. THE ELECTRICAL CONTRACTOR (E.C.) WILL GIVE FULL COOPERATION TO OTHER TRADES AND WILL FURNISH IN WRITING TO THE GENERAL CONTRACTOR, ANY INFORMATION NECESSARY TO PERMIT THE WORK OF ALL TRADES TO BE INSTALLED SATISFACTORILY AND WITH THE LEAST POSSIBLE INTERFERENCE OR DELAY. THE E.C. MUST COORDINATE ALL CONDUIT RUNS AND EQUIPMENT MOUNTING LOCATIONS WITH OTHER TRADES PRIOR TO ROUGH-IN.
- 5. THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL ELECTRICAL DEVICES AS SHOWN, VERIFYING ALL MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL WALL-MOUNTED ELECTRICAL DEVICES WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. IN THE EVENT OF A CODE CONFLICT, THE CONTRACTOR WILL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO COMMENCING
- 6. ALL SPARE CONDUITS TO BE INSTALLED FOR FUTURE USE WILL BE CAPPED WITH PULL WIRE INSTALLED. UNDERGROUND SPARE CONDUITS WILL BE STUBBED UP 12" A.F.F. WHERE INDICATED AND CAPPED WITH PULL WIRE. ALL CAPPED CONDUIT WILL BE LABELED WITH ITS PURPOSE.
- 7. THE ELECTRICAL CONTRACTOR WILL PROVIDE A COMPLETE GROUNDING SYSTEM PER APPLICABLE SECTIONS OF THE N.E.C. BOND SERVICE ENTRANCE GROUND TO BUILDING STEEL, METAL WATER MAINS, MADE ELECTRODES, ETC. AS NECESSARY.
- 8. ALL ELECTRICAL DISTRIBUTION EQUIPMENT TO HAVE ONLY COPPER BUSING. ALL EXTERIOR ELECTRICAL EQUIPMENT TO BE RAIN-PROOF TYPE NEMA 3R. ALL DISCONNECTS TO BE GENERAL DUTY TYPE. ALL EXTERIOR DISCONNECTS TO BE RAIN-PROOF TYPE NEMA 3R. ALL CIRCUIT BREAKERS TO BE 20A MINIMUM OR AS SHOWN ON THE PANEL SCHEDULES. ALL INTERIOR POWER/LIGHTING CIRCUITS TO BE 2-#12, 1-#12 G. IN MINIMUM 1/2" C. W/MAXIMUM 30% FILL UNLESS SHOWN OTHERWISE ON THE PLANS. INTERIOR HOME RUNS TO BE A MINIMUM OF 3/4" C. W/MAXIMUM 40% FILL. ALL EXTERIOR LIGHTING CIRCUITS TO BE A MINIMUM OF 2-#10 W/#10G TO THE FIRST JUNCTION BOX OR LIGHT FIXTURE AND 2-#12 W/#10G TO THE RÉMAINING FIXTURES OR AS INDICATED ON PLANS. ALL UNDERGRÖUND CONDUIT TO BE A MINIMUM OF 1".
- 9. ELECTRICAL CONTRACTOR TO SUPPLY ALL REQUIRED DISCONNECTS AND WIRE ALL EXHAUST FANS, AIR HANDLER UNITS, CONDENSING UNITS, SMOKE DAMPERS, ETC. PROVIDED BY THE MECHANICAL CONTRACTOR. E.C. WILL VERIFY NAMEPLATE RATINGS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN. E.C. TO PROVIDE DISCONNECTS AND CIRCUIT BREAKERS PER NAMEPLATE RATING. THE E.C. SHALL PROVIDE ALL HARDWARE(CONTROL RELAYS, LOW VOLTAGE TRANSFORMER POWER SUPPLIES, & ENCLOSURES) FOR THE PROPER OPERATION OF MECH. UNITS, EXHAUST FANS & SMOKE DAMPERS PER THE "SEQUENCE OF OPERATIONS" AS DETAILED ON THE MECHANICAL PLANS. THE E.C. WILL NOTIFY THE ARCHITECT/ENGINEER OF ANY CHANGES REQUIRED TO CIRCUITING PRIOR TO COMMENCING THE WORK.
- 10. ELECTRICAL CONTRACTOR WILL CONTACT LOCAL ELECTRICAL UTILITY AND COORDINATE EXACT LOCATION OF ELECTRICAL SERVICE SOURCE. THE CONTRACTOR SHALL COORDINATE SHORT CIRCUIT RATING (A.I.C.) WITH UTILITY PRIOR TO BID AND PROVIDE THE APPROPRIATE SHORT CIRCUIT RATINGS FOR ALL ELECTRICAL EQUIPMENT. COORDINATE USE OF HAND HOLE / UTILITY POLE / PAD MOUNT TRANSFORMER PRIOR TO BID AND/OR ROUGH-IN.
- 11. MINOR DETAILS, NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER OPERATION AND CONSISTENT WITH GOOD WORKMANSHIP, WILL BE INCLUDED IN THE ESTIMATE, THE SAME AS IF SHOWN ON DRAWINGS.
- 12. THE ELECTRICAL CONTRACTOR SHALL PROPERLY AND PERMANENTLY IDENTIFY ALL BOXES, ENCLOSURES, ETC. FOR EMERGENCY CIRCUITS IN ACCORDANCE WITH NEC 700-9. LABEL ALL PANEL CIRCUITS TO IDENTIFY UNIT EQUIPMENT CONNECTED IN ACCORDANCE WITH NEC
- 13. ELECTRICAL CONTRACTOR TO PROVIDE AS-BUILT DOCUMENTS, OPERATION MANUALS, MAINTENANCE MANUALS TO THE OWNER WITHIN 30 DAYS OF ACCEPTANCE OF SYSTEMS.



ELECTRICAL RISER DIAGRAM, NOTES, AND **SCHEDULES**

Drawing Title

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Revisions:

Date:

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND FIELD CONDITIONS
BEFORE PROCEEDING WITH CONSTRUCTION. WHERE NOT CLEARLY SHOWN OBTAIN
EXACT INFORMATION FROM ENGINEER. DO NOT SCALE DRAWINGS. USE ONLY MOST
RECENTLY DATED DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE
PROCEEDING WITH WORK. ENGINEER RESERVES THE RIGHT TO MAKE CHANGES AS
REQUIRED DUE TO JOB CONDITIONS. ENGINEER IS NOT RESPONSIBLE FOR
CONSTRUCTION NOT CARRIED OUT IN ACCORDANCE WITH CONSTRUCTION
DOCUMENTS. THESE PLANS SHALL NOT BE REPRODUCED OR COPIED IN PART OR
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TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553, AND 653, FLORIDA STATUTES AND LOCAL ORDINANCES.

6800 N TAMPA,

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04-11-19

Date

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Sheet Number E1.2

MAIN RATING: 800A TYPE: NE MAIN BREAKER: 80 VOLTS/PHASE: 208/120V	DA MLO					BUTI CHEC	ON DULE	-	ON: CTED LOAD: D LOAD:	REFER TO PLAN 152,240 V 190,300 V
A.I.C. RATING:	22K JRFACE				PN'			DEMANI NOTES:	AMPS:	528 ALUMINUM BU
EQUIPMENT SERVED	LOAD	BKR	CKT	Α	ВС	СКТ	BKR	LOAD	EQUIPMENT S	ERVED
UNIT 270 (N) EMERGENCY FEED	48000 MAX	3P-300	1 3		•	2	3P-300	73000 MAX	UNIT 270 (N	NW) EMERGENCY FEE
UNIT 170 EMERGENCY FEED	31240	3P-300	5 7		†	6 8			SPACE	
₩	MAX		9 11		+	10				
SPACE			13 15		•	14 16 18				

MAIN RATING: OUUA IT	PE: NEMA-SK	SU	אונוו(1 1));	STRI	KUH	()N	LUCATIC	11.	INEI EI	T TO PLANS
MAIN BREAKER: 800A MLO		PANELBUARD SCHEDULE						CONNEC	TED LOAD:		151,930 VA
VOLTS/PHASE: 208/120V 3ø, 4W		FAINLEDOALID SOLIEDULE						DEMAND	LOAD:		189,913 VA
A.I.C. RATING:	22K			חוו	PS'	I		DEMAND	AMPS:		527 A
MOUNTING:	SURFACE			ט	<u>го</u>			NOTES:		ALl	JMINUM BUS
EQUIPMENT SERVED	LOAD	BKR	CKT	Α	ВС	СКТ	BKR	LOAD	EQUIPMENT	SERVED	
UNIT 200 EMERGENCY FEED	39000	3P-300	1	H		2	2P-100	10000	UNIT 244	EMERGENCY	′ FEED
	MAX		3	1	+	4		MAX			
			5	\vdash	+	6			SPACE		
UNIT 250 EMERGENCY FEED	36930	3P-200	7	⊬		8	3P-200	30000	UNIT 266	EMERGENCY	′ FEED
	MAX		9	⊣	+	10		MAX			
			11	1	+	12					
UNIT 254 EMERGENCY FEED	36000	3P-125	13	┝		14			SPACE		
	MAX		15	1	+	16					
			17	\vdash	+	18					
	111,930							40,000			

