

# TOWN OF BELLEAIR

MAYOR:  
GARY H. KATICA

COMMISSIONERS:  
KARLA RETTSTATT  
MICHAEL WILKINSON  
TOM SHELLY  
TOM KUREY

TOWN MANAGER:  
JP MURPHY



INC. 1925

901 PONCE DE LEON BOULEVARD  
BELLEAIR, FLORIDA 33756-1096

PHONE (727) 588-3769

WWW.TOWNOFBELLEAIR.COM

## NOTICE OF INTENT TO AWARD

DATED: October 12, 2018

OWNERS CONTRACT NO: ITB ADM18-3

PROJECT: Installation of Generator

CONTRACT FOR: Town of Belleair

This Notice is in regard to the subject Invitation to Bid (ITB) issued by the Town of Belleair for ADM18-3: Installation of Generator. The Town has evaluated the proposals received using the evaluation criteria identified in the ITB, and the Town of Belleair is hereby announcing its conditional contract award to the following bidder:

- Zabatt Engine Services, Inc.

The bidder listed above was the lowest responsive and responsible bidder of the two bids received. The award is subject to an approval by the Town Commission, as a result, this notice does NOT constitute the formation of a contract between the Town and the apparent successful firm(s). The firm(s) shall not acquire any legal or equitable rights relative to the contract services until a contract containing terms and conditions acceptable to the Town is executed.

As stated in the ITB, following announcement of this award decision, all submissions in response to the ITB are considered public records available for public inspection pursuant to Chapter 119, of the Florida Statutes. This award decision is conditioned upon final approval by the Town Commission.

The Contract Price is one hundred fifty-six thousand nine hundred thirty-eight and 02/100 (\$156,938.02), as indicated in the total schedule unit prices.

Capital bid       Non-capital bid

  
Finance Director Signature

10/12/18  
Date

  
Town Manager Signature

10/12/18  
Date



**COPY**

**C1: BID PROPOSAL  
THE TOWN OF BELLEAIR, FLORIDA**

**CONTRACT: ADM18-3, Installation of Generator at Town Hall**

Full Name of Bidder Zabatt Engine Services, Inc

Main Business Address 4612 Highway Avenue, Jacksonville, FL 32254

Place of Business same as above

Telephone No. (904) 384-4505 Fax No. (904) 394-7446

Email Address Sales @ zabatt.com

*Email is considered to be an valid and accepted manner of communications between the Town and the Bidder.*

State Contractor's License # CBC 1257047 Type: \_\_\_\_\_  
and EC 13006469

To: TOWN MANAGER, TOWN OF BELLEAIR, FLORIDA  
(hereinafter called the Owner)

The undersigned as Bidder declares that the only person or parties interested in this Proposal as principals are those named herein; that this Proposal is made without collusion and fraud with any other person, firm or corporation; and that it has carefully examined the location of the proposed work, the proposed forms of Agreement and Bonds, and the Contract Drawings and Specifications. Further, the Bidder acknowledges receipt of Addenda as follows:

Addendum Number	Date Issued	Contractor's Initials
<u>1</u>	<u>10-5-18</u>	<u>[Signature]</u>
_____	_____	_____
_____	_____	_____

Bidder proposes, and agrees if this Proposal is accepted, to contract with the Owner in the form of the copy of the Agreement included in these Contract Documents, to provide all necessary supervision, project management, maintenance of traffic, machinery, tools, apparatus and other means of construction, including utility and transportation services necessary to do all the Work. Bidder agrees to furnish all the materials and equipment specified or referred to in the Contract Documents in the manner and time herein prescribed and according to the requirements of the Owner as

therein set forth; to furnish the Contractor's Bonds and Insurance specified in the Contract Bidding Documents; and to do all other things required of the Contractor by the Contract Documents. Bidder guarantees the foregoing for due compensation and agrees that it will take full payment of the sums set forth in the Bid Schedule at C-2.

ADDITIONAL BIDDER INFORMATION

I. Contact for inquiries regarding this Bid:

Name: Henry Carpenter Cell Phone No. (407) 924-6378  
Email: Henry.Carpenter@zabatt.com

II. Additional Company Information

1. Company's Primary Area(s) of Expertise:

Power generation, compressed air systems, Service & Installation

2. Type of Company:

Sole Proprietorship  Corporation  Partnership  
 Joint Venture *(Bids submitted by firms under joint venture arrangements or other multi-party agreements must submit a power of attorney delegating authority to one principal with authority to negotiate and execute any/all contract documents resulting from negotiations/award of this invitation to Bid.)*

3. Date Formed: 1977 Number of Employees 138

4. Federal Tax I.D. # 59-1889271

5. Contractor License(s): *complete as applicable* EC 13006469  
EXP 8-31-20

a. State License # CBC 1257077 Expiration date 08-31-20

b. Pinellas County License # \_\_\_\_\_ Expiration date See attached letter

6. Has the bidder operated under any other names in the past five years?

Yes \_\_\_\_\_ No

If yes, give name(s):  
\_\_\_\_\_  
\_\_\_\_\_

7. Does the bidder have offices, plants or warehouses in any other location?

Yes  No \_\_\_\_\_

8. If yes: list addresses:  
4477 Clarcona -Ocoee Rd, Orlando, FL 32810  
3112 East 3<sup>rd</sup> Ave, Tampa, FL 33605
9. Bonding Capacity  
 a. Single bonding limit \$ 4 Million Aggregate Limit \$ 8 million
10. Bonding Company Name & Address:  
Harden, 501 Riverside Ave., Suite 1000  
Jacksonville, FL 32202

Has the bidder or any of its owners or joint venture partners been a party to a bankruptcy or reorganization proceeding? Yes  No .

If yes, date \_\_\_\_\_

11. During the past five years have any of the bidder's subcontractors or suppliers filed any liens and/or bond claims on any project performed by the bidder?  
 Yes  No .
- If yes, give details of all liens/bond claims over \$5,000. *Please provide details in attachment.*
12. Has the bidder ever failed to complete a contract, been defaulted, or had a contract terminated?  
 Yes  No . *If yes, please provide details in attachment.*
13. In the past five years, has the bidder or any of its owners or joint venture partners been involved in any lawsuit arising from construction projects?  
 Yes  No . *If yes, please provide details in attachment.*
14. In the past five years, has the bidder or any of its owners or joint venture partners been investigated for or found to have committed a violation of any labor laws?  
 Yes  No . *If yes, please provide details in attachment.*
15. In the past five years, has the bidder or any of its owners or joint venture partners been investigated for or found to have committed a violation of state, federal or local laws?  
 Yes  No . *If yes, please provide details in attachment.*

16. In the past five years, has the bidder been cited by OSHA?  
Yes \_\_\_\_\_ No X. If yes, provide details in an attachment.

I HEREBY CERTIFY; BEING FIRST DULY SWORN THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT

STATE OF Florida  
COUNTY OF Duval

Zabatt Engine Products  
Company Name  
By [Signature]  
Title Secretary

Date: 10/10/18

Sworn to me and subscribed before me this

10 day of October, 2018

NOTARY PUBLIC

My commission expires 2/6/19



TIFFANY M. FOX  
MY COMMISSION # FF 188028  
EXPIRES: February 6, 2019  
Bonded Thru Budget Notary Services

**C2: BID SCHEDULE SUMMARY**  
**TOWN OF BELLEAIR**

Full Name of Bidder Zabatt Engine Services, Inc.

**CONTRACT ADM18-3**

Please Refer to Bid Sheet Attachment C2-1 and place "Bid Sheet" behind this page.

**ITEM**

**BID**

1. Subtotal Contract Amount	\$ <u>142,670.93</u>
2. Cost of Compliance With Trench Safety Standards (F.S. 553.64)	\$ <u>N/A</u>
3. Total	\$ <u>142,670.93</u>
4. Owner's Contingency (10% of Total listed above)	\$ <u>14,267.09</u>
5. <b>TOTAL BASE BID</b>	\$ <u>156,938.02</u>

Written Amount of Total Base Bid: \_\_\_\_\_

One hundred fifty-six thousand, nine hundred thirty-eight and 02 cents

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\* Work considered contingency will be requested by Owner. Contractor must submit detailed cost proposal for contingency work and Owner must approve in writing prior to the Contractor ordering materials or starting any work related to contingency.

\*\*NOTE: THIS IS A LUMP SUM BID INCLUSIVE OF ALL ITEMS IN THE CONTRACT DOCUMENTS. ITEMS NOT SPECIFICALLY LISTED ABOVE SHALL BE INCIDENTAL TO CORRESPONDING ITEMS AND INCLUDED IN TOTAL CONTRACT PRICE

ADM 18-3 Attachment C2-1

Bid Sheet

Project: Town Hall Generator Replacement 2018

	Bid Item	Unit	Quantity	Unit Price (\$)	Total (\$)
1	Generator	EA	1		\$ 89,124.72
2	Transfer Switch	EA	1		\$ 8,201.40
3	Electrical wires & Materials	LS	1		\$ 26,191.04
4	Gas Line installation & Connections	LS	1		\$ 12,857.14
5	Start up/Warranty & Maintenance	LS	1		\$ 3,416.63
6	Demolition	LS	1		\$ 2,880.00
	<b>Subtotal items 1-6</b>				<b>\$ 142,670.93</b>

ADDER: 5 year warranty: \$ 2,200.00

ADDER! 1 year quarterly maintenance agreement: \$ 1,325.00

See attached quote for ADDER details

### C3: MATERIAL MANUFACTURERS TOWN OF BELLEAIR

The Bidder is required to state below, equipment/material manufacturers it proposes to utilize on this project. No change will be allowed after submittal of Bid. If substitute material proposed and listed below is not approved by Engineer, Bidder shall furnish the manufacturer named in the specification. Acceptance of this Bid does not constitute acceptance of material proposed on this list. THIS LIST MUST BE COMPLETED OR BID MAY BE DEEMED NON-RESPONSIVE.

Bidder must retain, and, be able to submit, copies of quotes received by material suppliers should the Town decide to direct purchase any materials.

MATERIAL	MANUFACTURER
1. <u>Conduit and wire</u>	<u>Wheatland &amp; Southwire</u>
2. _____	<u>thru distributor - Mayer Electric</u>
3. _____	<u>Tampa, FL</u>
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____

Dated Oct 10, 2018

Zabatt Engine Services  
Bidder

BY: Henry Carpenter

**Written quotes used to prepare bid must be made available to the Town upon request.**

## C4: LIST OF SUBCONTRACTORS TOWN OF BELLEAIR

The undersigned states that the following is a full and complete list of the proposed subcontractors on this Project and the class of work to be performed by each, and that such list will not be added to nor altered without written consent of the Project Manager. The undersigned further acknowledges its responsibility for ensuring that the subcontractors listed herein meet all legal requirements applicable to and necessitated by this Agreement, including, but not limited to proper licenses, certifications, registrations and insurance coverage. The Town reserves the right to disqualify any bidder who includes non-compliant subcontractors in his bid offer. The bidder shall provide evidence that the subcontractor has agreed to provide the class of work as indicated on this form if so requested by the Town. Failure to provide this evidence, if requested, may result in the disqualification of the bid. Further, the Town may direct the bidder/contractor to remove/replace any subcontractor that is found to be non-compliant with this requirement subsequent to award of the contract at no additional cost to the Town. THIS LIST MUST BE COMPLETED OR BID MAY BE DEEMED NON-RESPONSIVE. (Attach additional sheets as needed). Bidder must be prepared to provide documentation demonstrating agreement of the subcontractor to participate in the bid.

	<u>Subcontractor and Address</u>	<u>Class of Work to be Performed</u> <u>- as applicable</u>	% of Work Value performed by subcontractor
1.	<u>N/A</u>	Site Work	_____ %
2.	<u>N/A</u>	Electrical	_____ %
3.	<u>N/A</u>	Concrete	_____ %
4.	<u>Clearwater Gas</u> <u>400 N. Myrtle Ave.</u> <u>Clearwater, FL 33755</u>	Underground Utility	<u>9</u> %
5.	<u>Florida Green Care, LLC</u> <u>5 Southwind Dr.</u> <u>Belleair Bluffs, FL 33770</u>	Landscape	<u>3.5</u> %
6.	<u>N/A</u>	Plumbing	_____ %

- 7. Unitel Rentals (other-specify) Mobile 3 %  
Tampa, FL Generator
- 8. Sims Crane (other-specify) Crane 1.5 %  
Ocala, FL 34482
- 9. Duke Energy (other-specify) Utility 1 %  
Largo, FL
- 10. \_\_\_\_\_ (other-specify) \_\_\_\_\_ %  
 \_\_\_\_\_
- 11. \_\_\_\_\_ (other-specify) \_\_\_\_\_ %  
 \_\_\_\_\_

**Bidder may not subcontract out more than 50% of the total value of the bid.**

Total % of Work to be performed by subcontractors- 18 %

Dated Oct 10, 2018

Zabatt Engine Services  
Bidder

BY: Henry Carpenter

## C5: STATEMENT OF EXPERIENCE OF BIDDER

The Bidder is required to state below what work of similar type and magnitude is a judge of its experience, skill and business standing and of its ability to conduct the work as completely and as rapidly as required under the terms of the contract.

Please list at least five projects and only projects that you have completed within the last 5 years or are currently working on. Florida references only.

Project Name _____; Owner _____	
Description of Work _____ * See attached * _____	
Location _____	
Year 20_____	Contract Price \$ _____
Contact Name _____	
Title & Name of Firm _____	
Phone No. _____	
Email: _____ @ _____	

Project Name _____; Owner _____	
Description of Work _____ _____	
Location _____	
Year 20_____	Contract Price \$ _____
Contact Name _____	
Title & Name of Firm _____	
Phone No. _____	
Email: _____ @ _____	

Project Name \_\_\_\_\_ ; Owner \_\_\_\_\_

Description of Work

\_\_\_\_\_

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_ @ \_\_\_\_\_

Project Name \_\_\_\_\_ ; Owner \_\_\_\_\_

Description of Work

\_\_\_\_\_

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_ @ \_\_\_\_\_

Project Name \_\_\_\_\_; Owner \_\_\_\_\_

Description of Work  
\_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_@\_\_\_\_\_

Project Name \_\_\_\_\_; Owner \_\_\_\_\_

Description of Work  
\_\_\_\_\_  
\_\_\_\_\_

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_@\_\_\_\_\_

Project Name \_\_\_\_\_; Owner \_\_\_\_\_

Description of Work

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_@\_\_\_\_\_

Project Name \_\_\_\_\_; Owner \_\_\_\_\_

Description of Work

Location \_\_\_\_\_

Year 20\_\_\_\_ Contract Price \$ \_\_\_\_\_

Contact Name \_\_\_\_\_

Title & Name of Firm \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_@\_\_\_\_\_

**C6: BID SECURITY AGREEMENT  
TOWN OF BELLEAIR**

Upon receipt of written notice of the conditional acceptance of this Bid, Bidder will execute the formal Contract attached within 10 calendar days and deliver the Surety Bond or Bonds and Insurance as required by the Contract Documents. The attached bid security (5% of the Total Base Bid) in the sum of: \_\_\_\_\_ dollars (\$ \_\_\_\_\_) shall become the property of the Owner in the event the Contract, Insurance and Bonds are not executed within the time above set forth for the delay and additional expense to the Owner.

If awarded a contract under this Proposal, the undersigned proposes to commence work at the site on the Commencement Date stipulated in the written Notice to Proceed unless the Project Manager, in writing, subsequently notifies the Contractor of a modified (later) Commencement Date. The undersigned further agrees to substantially complete all work covered by this Proposal within 30 consecutive calendar days, and to fully complete all work in its entirety, including final acceptance, within 45 calendar days from and including the Commencement Date. The term "substantially complete" means that the status of construction Work specified herein is entirely finished in accord with the design intent and that the improvements are functionally and operationally open to public use in a safe manner.

Sandra N. Sabatier Sabatier Zebutt  
(bidder), being first duly sworn on oath deposes and says that the Bidder on the above Proposal is organized as indicated and that all statements herein made are made on behalf of such Bidder and that this deponent is authorized to make them.

Sandra N. Sabatier Sabatier  
(bidder), also deposes and says that it has examined and carefully prepared its Bid Proposal from the Contract Drawings and Specifications and has checked the same in detail before submitting this Bid; that the statements contained herein are true and correct.

(a) Corporation

The Bidder is a corporation organized and existing under the laws of the State of Florida, which operates under the legal name of Zabatt Engine Services, Inc and the full names of its officers are as follows:

President Joseph M. Sabatier [Corporate Seal]

Secretary Sandra Sabatier

Treasurer \_\_\_\_\_

Manager \_\_\_\_\_

(b) Joint Venture

The Bidder is a joint venture consisting of individual venturers whose full names and percentages of interest are as follows:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

The joint venture does business under the legal name of:

\_\_\_\_\_

(c) Individual

The Bidder is an individual whose full name is \_\_\_\_\_,  
and if operating under a trade name, said trade name is \_\_\_\_\_.

DATED Oct. 10, 2018

\_\_\_\_\_ Legal entity

BY: Zabatt Engine Services  
Name of Bidder (Typed)

[Handwritten Signature]  
Signature

Secretary  
Title

[Corporate Seal]

## C7: BID BOND TOWN OF BELLEAIR

KNOW ALL MEN BY THESE PRESENTS, that we Zabatt Engine Services, Inc., hereinafter called the Principal) and Travelers Casualty and Surety Company of America, (hereinafter called the Surety), a corporation chartered and existing under the laws of the State of Florida with its principal offices in the Town/City of Jacksonville and authorized to do business in the State of Florida are held and firmly bound unto the Town of Belleair, Florida (hereinafter called the Owner, in the full and just sum of not less than 5% of total bid base Dollars (\$ 5%) good and lawful money of the United States of America, to be paid upon demand of the Owner, to which payment well and truly to be made, the Principal and the Surety bind themselves, their heirs, and executors, administrators, and assigns, jointly and severally and firmly by these presents.

Whereas, the Principal is about to submit, or has submitted to the Owner, a proposal for furnishing all labor, materials, equipment and incidentals necessary to furnish and install:

### Installation of Generator at Town Hall, ADM18-3

NOW, THEREFORE, The conditions of this obligation are such that if the Proposal be accepted, the Principal shall, within ten days after the date of a written Notice of Award, execute a Contract in accordance with the Proposal and upon the terms, conditions and price(s) set forth therein, of the form and manner required by the Owner (Exhibit D of the Contract Bidding Documents), and execute a sufficient and satisfactory Contract Performance Bond and Payment Bond payable to the Owner, in an amount of 100 Percent of the total Contract price each in form and with security satisfactory to the said Owner and deliver said contract, bond and insurance certificate specified in the Contract Documents to the Owner, then this obligation to be void; otherwise to be and remain in full force and virtue in the law; and the Surety shall, upon failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid Owner, upon demand, the amount hereof in good and lawful money of the United States of America, not as a penalty but as liquidated damages.

IN TESTIMONY thereof, the Principal and Surety have caused these presents to be duly signed and sealed this 9th day of October, 2018.

[Signature] \_\_\_\_\_ Principal

BY \_\_\_\_\_ (Seal)

Travelers Casualty and Surety Company of America  
Kimberly L. Bass, Attorney-In-Fact [Signature] \_\_\_\_\_ Surety

\_\_\_\_\_ (Seal)

Countersigned [Signature] \_\_\_\_\_

Local Resident Producing Agent for Harden \_\_\_\_\_



**Travelers Casualty and Surety Company of America**  
**Travelers Casualty and Surety Company**  
**St. Paul Fire and Marine Insurance Company**

**POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Kimberly L. Bass** of **Jacksonville, Florida**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February**, 2017.



State of Connecticut

City of Hartford ss.

By:   
 Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, 2017, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2021



Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **9th** day of **October**, 2018



Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.**  
**Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**

## C8: BIDDERS CHECKLIST TOWN OF BELLEAIR

The spaces are for your use to help you insure you have completed or included all required forms. The signature at the bottom of this form is **REQUIRED** and indicates that you have been informed as to what forms must be included in your bid submittal. Failure to complete any one of these forms may result in your bid being disqualified.

NO.	FORM NAME	INSERTED
C1	BID PROPOSAL	✓
C2	BID SCHEDULE SUMMARY	✓
C3	MATERIAL MANUFACTURER	✓
C4	LIST OF SUBCONTRACTORS	✓
C5	STATEMENT OF EXPERIENCE OF BIDDER	✓
C6	BID SECURITY AGREEMENT	✓
C7	BID BOND	✓
C8	BIDDERS CHECKLIST	✓
C9	NON-COLLUSION CERTIFICATION	✓
C10	PUBLIC ENTITY CRIMES	✓
C11	FLORIDA TRENCH SAFETY ACT STATEMENT	✓
C12	CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION	✓
C13	ASBESTOS WORK PLAN	✓
C14	EMPLOYMENT OF UNAUTHORIZED ALIEN WORKERS	✓
C15	CONTRACTOR / BUSINESS LICENSES	✓
C16	FEMA HMGP SOLICITATION TERMS AND ACKNOWLEDGMENT	✓

ACTION	COMPLETED
The Bid has been signed	✓
Bid prices offered have been thoroughly reviewed and checked	✓
Price extensions and totals have been checked	✓
Any required drawings, descriptive literature, etc. have been included	✓
Bid bond/Bid Security has been included	✓
Any addenda acknowledged and initialed on Form C1: Bid Proposal	✓

The mailing envelope must be addressed to:

**Purchasing/ Contracts Manager**  
**Town of Belleair**  
901 Ponce de Leon Boulevard,  
Belleair, Florida 33756

**\* The bidding company's name should be on the outside of the bid envelope.**

The mailing envelope must be sealed and marked with:

**Proposal for the Town of Belleair, Florida Project:**

**Installation of Generator at Town Hall**

**Number: ADM18-3**

**Bid Opening Date: 10/11/18**

**Bid Opening Time: 2:00 PM**

The bid must be mailed or delivered in time to be received no later than the specified opening date and time. (Otherwise bid cannot be considered.)

**Two (2) copies of the bid documents are to be submitted, one an original and one a duplicate of the original. Bids are not to be in binders or notebooks but must be stapled or clipped together.**

**ALL COURIER-DELIVERED BIDS MUST HAVE Installation of Generator at Town Hall, ADM18-3 AND 10/11/2018 2:00 PM ON THE OUTSIDE OF THE COURIER PACKET**

Zabatt Engine Services  
Bidder Name (Printed)

[Signature]  
Signature & Title Sales Engineer

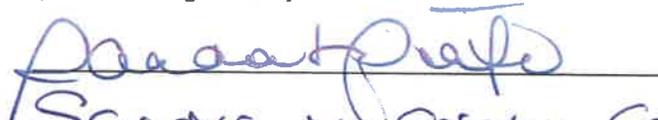
Oct 10, 2018  
Date

## C9: NON-COLLUSION CERTIFICATION

This form must be completed and submitted with the bid.

The undersigned hereby certifies, to the best of his or her knowledge and belief, that on behalf of the person, firm, association, or corporation submitting the bid certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise take any action, in restraint of free competitive bidding in connection with the submitted bid. Failure to submit the executed statement as part of the bidding documents may make the bid non-responsive and not eligible for award consideration.

(Bidder's Signature)



Date 10-8-18

Sandra N. Scheter, Secretary  
Name and Title of Authorized Signee

Zabatt Engineering Services, Inc.  
Name of Corporation, Partnership, Joint Venture, Etc.

(SEAL)

# C10: PUBLIC ENTITY CRIMES

## SWORN STATEMENT UNDER SECTION 287.133 (3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid, Proposal or Contract No. ADM18-3  
For Zabatt Engine Services

2. This sworn statement is submitted by:

Sandra Sabatier

(name of entity submitting sworn statement)

whose business address is:

4612 Highway Ave.

Jacksonville, FL 32254

(if applicable its Federal Employer Identification Number (FEIN) is:

59-1889271.)

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:

\_\_\_\_\_.)

3. My name is Sandra Sabatier and my relationship to the entity named (please print name of individual signing) above is

Secretary

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision or any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

- a. A predecessor or successor of a person convicted of a public entity crime; or
- b. An entity under the control any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliated" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
- c. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
- d. Based on information and belief the statement that I have marked below is true in relation to the entity submitting this sworn statement. **(indicate which statement applies.)**

Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting the sworn statement on the convicted vendor list. (attach a copy of the final order)

**I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPHS 1-3 (ONE THRU THREE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.**

*[Handwritten Signature]*  
(Signature)

10-8-18  
(Date)

STATE OF Florida  
COUNTY OF Duval

PERSONALLY APPEARED BEFORE ME, the undersigned authority, Sandra Scatena who, after 8 day of October, 2018.

*Tiffany Fox*  
NOTARY PUBLIC  
Commission number: FF188028  
Commission expires: 2/6/19



**C11: FLORIDA TRENCH SAFETY ACT STATEMENT  
TOWN OF BELLEAIR**

**SWORN STATEMENT UNDER THE FLORIDA TRENCH  
SAFETY ACT**

THIS FORM MUST BE SIGNED BY THE BIDDER WHO WILL BE RESPONSIBLE FOR THE EXCAVATION WORK ("BIDDER"), OR ITS AUTHORIZED REPRESENTATIVE, IN THE PRESENCE OF A NOTARY PUBLIC AUTHORIZED TO ADMINISTER OATHS.

This Sworn Statement is submitted with the Bid for,

1. \_\_\_\_\_  
(Name of Project, and Contract No. or Designation, etc.)

2. This Sworn Statement is submitted by \_\_\_\_\_  
hereinafter "BIDDER."  
(legal name of entity)

3. The BIDDER's business address is \_\_\_\_\_.

4. BIDDER's Federal Employer Identification Number (FEIN) is \_\_\_\_\_.

5. My name is \_\_\_\_\_ and my relationship to the  
(print name of individual signing)

BIDDER is \_\_\_\_\_ of/for the BIDDER.  
(position or title)

I certify, through my signature at the end of this Sworn Statement, that I am an authorized representative of the BIDDER.

4. The Trench Safety Standards that will be in effect during the construction of this Project include without limitation, 29 CFR 1926, Subpart P, Excavations as well as applicable Florida Statute(s). Compliance with the applicable Florida Statute(s) and/or OSHA Regulation(s) is the complete and sole responsibility of the BIDDER. Such reference will not be checked by OWNER or ENGINEER for accuracy, completeness or any other purpose. The OWNER and ENGINEER shall have no responsibility to review or check the BIDDER's compliance with the trench safety standards.

5. The BIDDER assures the OWNER that it will comply with the applicable Trench Safety Standards and agrees to indemnify and hold harmless the OWNER, and any of its agents or employees, from any claims arising from the failure of the BIDDER to identify applicable standards or to comply with said standards in accordance with Article 14 of the General Conditions of the Contract.

6. The BIDDER has allocated and included in its bid the total amount of \$\_\_\_\_\_, based on the linear feet of trench to be excavated 5 or more feet deep, for compliance with the applicable Trench Safety Standards and

intends to comply with said standards by instituting the following specific method(s) of compliance on this Project:

\_\_\_\_\_  
\_\_\_\_\_

The determination of the appropriate method(s) of compliance is the complete and sole responsibility of the BIDDER. Such methods will not be checked by the OWNER or ENGINEER for accuracy, completeness or any other purpose. The OWNER and ENGINEER shall have no responsibility to review or check the BIDDER's compliance with the trench safety standards.

- 7. The BIDDER has allocated and included in its bid the total amount of \$\_\_\_\_\_ based on the square feet of shoring to be used for compliance with shoring safety requirements and intends to comply with said shoring requirements by instituting the following specific method(s) of compliance on this Project:

\_\_\_\_\_  
\_\_\_\_\_

The determination of the appropriate method(s) of compliance is the complete and sole responsibility of the Excavation Contractor. Such methods will not be checked by the OWNER or ENGINEER for accuracy, completeness or any other purpose. The OWNER and ENGINEER shall have no responsibility to review or check the BIDDER's compliance with the trench safety standards.

- 8. The BIDDER, in submitting this bid, represents that it has obtained and considered all available geotechnical information, has utilized said geotechnical information and that, based on such information and the BIDDER's own information, the BIDDER has sufficient knowledge of the Project's surface and subsurface site conditions and characteristics to assure BIDDER's compliance with the applicable Trench Safety Standards in designing the trench safety system(s) for the Project.

BIDDER

*[Handwritten Signature]*  
(Signature)  
By Sandra N Sabater  
(Print)  
Secretary  
(Position or Title)  
10/10/18  
(Date)

SWORN TO AND SUBSCRIBED before me this 10 day of October 20 18

My Commission Expires: 2/6/19

*[Handwritten Signature]*  
Notary Public



TIFFANY M. FOX  
MY COMMISSION # FF 188028  
EXPIRES: February 6, 2019  
Bonded Thru Budget Notary Services

**FLORIDA TRENCH SAFETY ACT ACKNOWLEDGMENT**

If this Project involves trench excavations that will exceed a depth of 5 feet, pursuant to Florida Statutes, Chapter 553, Part VI, Trench Safety Act will be in effect and the undersigned Bidder hereby certifies that such Act will be complied with during the construction of this Project.

Bidder acknowledges that included in the various items of the bid and in the total bid price are costs for complying with the Florida Trench Safety Act. Bidder further identifies the cost to be as summarized below:

Trench Safety Measure (Description)	Units of Measure (LF SY)	Quantity	Unit Cost	Extended Cost
A.				
B.				
C.			N/A	
D.				

TOTAL \$ \_\_\_\_\_

END OF SECTION

**C12: CERTIFICATION REGARDING DEBARMENT,  
SUSPENSION, INELIGIBILITY AND VOLUNTARY  
EXCLUSION**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension (34 CFR, part 85, Section 85.510, Participant's Responsibilities).

"The Bidder certifies that, neither the firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

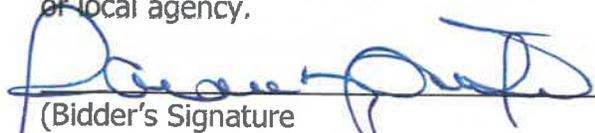
(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) is presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph 9(b) of this certification; and

(d) has within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Bidder certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal state or local agency.

 \_\_\_\_\_ Date 10-8-18  
(Bidder's Signature)

Sandra Sabatier  
Name and title of Authorized Signee

Zabatt Engine Products  
Name of Corporation, Partnership, Joint Venture, , Etc.

**(SEAL)**

## **C13: ASBESTOS WORK PLAN**

REPAIR, REMOVAL AND MAINTENANCE OF ASBESTOS-CONTAINING

CEMENTITIOUS PIPES

\*\*\*THIS SECTION IS ONLY TO BE COMPLETED IF CEMENT PIPE REMOVAL IS INCLUDED IN SCOPE OF WORK OR TECHNICAL SPECIFICATIONS\*\*\*

Town of Belleair,  
Procurement Officer,  
Town of Belleair,  
901 Ponce de Leon Boulevard,  
Belleair, Florida 33756

### **ASBESTOS WORK PLAN**

The following work plan is for the repair, removal and maintenance of asbestos cement pipe (AC). This work plan should be considered as minimal guidelines for the disturbance of the material. The Contractor shall utilize all appropriate controls and work practices necessary to protect workers, people in the vicinity of the work area, and the environment, regardless of the inclusion or exclusion of this work plan. Contractor questions should be resolved prior to the start of the abatement project.

The primary concerns and considerations of these work practices is the protection of human health and the environment, as well as to minimize the Owner's and Contractor's liability exposure before, during and after the abatement process.

### **GENERAL**

The Town of Belleair, Florida, shall employ \_\_\_\_\_ referred to as the Contractor, for the purpose of repair, removal and maintenance of AC pipe.

### **INDEMNITY**

The Contractor shall shall indemnify, defend and hold harmless the OWNER, and its agents from any claims arising from the failure of the BIDDER to identify applicable standards or to comply with said standards in accordance with Article 14 of the General Conditions of the Contract.

### **REGULATIONS, CODES AND STANDARDS**

The Contractor shall comply with all regulations, codes and standards. These shall include, but are not limited to:

1. Title 29, Code of Federal Regulations, Section 1910.134 and 1926.1101.

- Occupational Safety and Health Administration (OSHA), US Department of Labor.
2. Title 40, Code of Federal Regulations, Part 61, Subparts A and M, National Emission Standards for Hazardous Air Pollutants. US Environmental Protection Agency (EPA).
3. State of Florida's Administrative Code 62-204.800. US EPA National Emission Standards for Hazardous Air Pollutants (NESHAPS) Asbestos Regulations (40 CFR 61, Subpart M).
4. State of Florida, Chapter 62-257, Florida Administrative Code.
5. Florida Statutes, Chapter 469, Licensing Requirements (Exemptions 469.002)
6. State of Florida, Town of Belleair codes and ordinances as applicable.

### CONTRACTOR STAFFING

1. All work will be supervised by a qualified individual meeting the requirements of a *Competent Person*\* and possessing the following minimum qualifications and training:
  - a) Satisfactory completion of an Asbestos Abatement Project Supervisor course
  - b) Medical examination for respirator use
  - c) Fit test for respirator type
  - d) Training in the maintenance, repair and removal of AC pipe.

\*A Competent Person, is capable of identifying existing asbestos hazards at the work place, determine if a Negative Exposure Assessment (NEA) exists, is qualified to train other workers, and has the authority to take prompt corrective measures to eliminate a hazardous exposure. In addition the competent person must be trained in a training course which meets the criteria of EPA's Model Accreditation Plan (40 CFR 763) for supervisor.

2. Any direct contact with AC pipe will be performed by qualified workers possessing the following minimum qualifications and training:
  - a) Satisfactory completion of an OSHA Class II Worker course \*\*
  - b) Medical examination for respirator use
  - c) Fit test for respirator type
  - d) Training in the maintenance, repair and removal of AC pipe

\*\*Class II Training Requirements must be met for work involving building materials including roofing, flooring, siding materials, ceiling tiles or transite panels training shall include at a minimum the elements in paragraph 29 CFR 1926.1101 (k) (9)(iv)(A) and specific work practices and engineering controls set forth in paragraph (g). It shall include hands-on training and it is to be at least 8 hours in length.

Annual refresher course work is required. The length of time for the refresher training is not specified.

3. Personal Protective Equipment (PPE) for each worker will include hard hat, steel toed shoes, disposable protective clothing, respiratory protection and high visibility reflective vests. Respirators shall be fitted with a P-100 filtering cassette. (The use of disposable protective clothing, and respiratory protection will be determined by the establishment of a Negative Exposure Assessment and continual personnel air monitoring).

## WORK PROCEDURES

### Controlling Government Regulation:

OSHA's Construction Industry Standard for Occupational Exposure to Asbestos Subpart Z, 29 CFR 1926.1101 Asbestos.

Work-Task Assumptions/Requirements of the Employer at Project Work-Site:  
Prior to commencing the demolition and removal of the A-C pipe, the contractor has:

- (1) Determined by thorough inspection the existence and the extent of any ACM.
- (2) Given written notice to appropriate governmental agency at the beginning of abatement activity.
- (3) Conducted an Initial Exposure Assessment (IEA) test plan or baseline report, which complies with the criteria in Paragraph (f)(2)(iii) of the above referenced controlling government regulations (section), and which demonstrates that the employees' exposure to airborne asbestos fibers during removal of the Asbestos-Cement (A-C) pipe is expected to be consistently below the Permissible Exposure Levels (PELs) i.e., exposure must be less than 0.1 fiber/cubic centimeter (cc) of air for an eight (8) hour time-weighted average limit (TWA), and less than 1.0 fiber/cc of air as averaged over a sampling period of thirty (30) minutes, all as determined by the method prescribed in Appendix A to the referenced section, or by an equivalent method, and therefore, the employer intends to do the A-C pipe removal through the use of Negative Exposure Assessments (NEAs).

Procedures for Removal of Asbestos-Cements (A-C) Pipe, also commonly referred to as Transite Pipe

This work activity is identified as a Class II asbestos removal activity by OSHA's Subpart Z, 29 CFR 1926.1101, with the A-C pipe removal is being done utilizing a valid Negative Exposure Assessment (NEA).

## Preparation

Establish a regulated work area (RWA) using barricade tape. Provide a hand/face wash station at the entry point to the RWA. Post asbestos-warning signs at the RWA entry point. Establish a waste load-out area attached to the RWA. Once an RWA is established and work begins, no access should be permitted without the required personal protective equipment. Prior to commencing work a ten day NESHAP notification (DEP Form 62-257 .900(1) Effective 10-12-08) must be submitted the Florida Department of Environmental Protection (FDEP) office located at the following address:

FDEP Air Resource Management 2295 Victoria Avenue, Ste 364  
P.O. Box 2549  
Fort Myers, Florida 33902-2549  
The form can be accessed online at:  
[http://www.dep.state.fl.us/air/rules/forms/asbestos/dep62\\_257\\_900\(1\).pdf](http://www.dep.state.fl.us/air/rules/forms/asbestos/dep62_257_900(1).pdf)

**Air Monitoring and Sampling of Exposure to Airborne Asbestos Fibers:** As the work begins the competent person (or third party consultant) must conduct and record objective data to confirm the Initial Exposure Assessment (IEA), and that the specific job-site work activity confirms the findings of the IEA, and that the PELs are not being exceeded for this work activity.

## Excavation:

Machine excavate to expose A-C pipe.  
Hand excavate areas under pipe where cuts/breaks are planned.  
Excavation operations should be carefully executed so that pipe damage does not occur prior to removal.

## Abandonment of AC Pipes

AC pipes can be abandoned in-place. The procedure for abandonment of pipes in place includes filling the section of pipe with a grout/cement slurry. The location of the pipes should be recorded on the master drawing of the right-of -way.

At no time will bursting, crushing, grinding or pulverizing of the AC pipe be conducted.

## AC Pipe Removal:

All pipe cutting or breaking operations require adequate wetting with potable water to prevent A-C materials from being crumbled by hand pressure and to keep the asbestos fibers from becoming air-borne (friable).

Plan pipe cuts/breaks as necessary to accommodate the size/weight of pipe being removed.

Use a hammer or wheel-type pipe cutter (or equivalent tool) to make the initial cut and drain the pipe of residual liquids. If gas powered cutters are to be used they should be connected to a HEPA filtered vacuum and used in a manner that will

not create elevated airborne fibers. If a gas powered cutter is utilized that is not connected to a HEPA filtration system, the work area should be contained to prevent the release of airborne fibers. In addition, a sufficient supply of water shall be applied to the cut point to further prohibit the release of asbestos fibers. A layer of 6 mil polyethylene should be placed beneath the cut point to contain the debris that will be generated. The debris shall be collected and treated as asbestos-containing waste.

Remove pipe sections at joint collars by breaking them with a sledgehammer, or cutting them with a wheel-type pipe cutter (soil-pipe cutter).

Where pipe re-connection is required, trim pipe ends in a manner that will not cause asbestos fibers to become airborne. Any debris that is generated shall be collected and treated as asbestos-containing waste.

When applicable, remove pipe sections from trench in an "intact" condition. Wet and containerize waste materials as you go. Using lifting straps and methods that do not damage the pipe remove the material from the trench.

**WASTE PIPES:** The pipe should be placed in a leak tight waste container. An alternative option would be to wrap each section of pipe with two layers of 6 mil polyethylene. For both options water should be applied to each section of pipe before it is contained.

Identify AC materials and stock-pile the waste in a designated load-out area with the following label warnings: (The label must also identify the generator of the AC Pipe waste). **DANGER CONTAINS ASBESTOS FIBERS AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD**

#### Transportation of Asbestos Waste

All asbestos-containing waste shall be transported to a class I landfill in leak tight containers. Each shipment must be properly marked with the following notation:

**DANGER CONTAINS ASBESTOS FIBERS AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD**

All asbestos-containing waste shall be disposed of in a timely manner at a class I landfill. All waste must be disposed of within a 30 day period from the time of removal. A waste shipment record must be provided for each shipment.

Acknowledgement of Requirements

N/A

Signed:

\_\_\_\_\_

Firm:

\_\_\_\_\_

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

## C14: Employment of Unauthorized Alien Workers

The Town of Belleair, Florida will not intentionally award publicly-funded contracts to any contractor who knowingly employs unauthorized workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324a(e) (Section 2274A(e) of the Immigration and Nationality Act ("INA")). The Town shall consider the employment by any contractor of unauthorized aliens a violation of Section 274A(e) of the INA shall be grounds for termination for cause and unilateral cancellation of this Agreement by the Town.

Vendor/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;

1. all persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and
2. all persons, including subcontractors, assigned by the Vendor/Contractor to perform work pursuant to the contract with the Agency.

You may also sign-up for free webinars on E-Verify which are offered by the U.S. Department of Homeland Security. To see the schedule of webinars and register, click on the following link, which will take you to the US Department of Homeland Security's website: [E-Verify Webinars](#)

The Website for E-Verify is: <http://www.uscis.gov/e-verify>

  
(Contractor/Architect/Engineer's Signature)

10/10/2018  
Date

Margarita Regalado - HR Manager  
Name and title of Authorized Signee

Zabatt Engine Services, Inc.  
Name of Corporation, Partnership, Trust, Etc.

**C15  
CONTRACTOR & BUSINESS LICENSES**

**Attach copy of your contractor's and/or other business licenses to this form**

\* See attached \*

## **C16: FEMA HMGP Solicitation Terms and Acknowledgment**

The conditions listed below are incorporated into this bid solicitation **ADM18-3 Installation of Generator at Town Hall** in conformance with federal procurement requirements associated with the Hazard Mitigation Grant Program.

- 1) Contractors that are debarred or suspended as described in Chapter III, Paragraph 6.d cannot receive this contract.
- 2) If subcontracts are to be let, the prime awarded contractor must take the five (5) affirmative steps listed under 2 CFR 200.321 Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms. The town has made this bid solicitation available to any and all parties electronically, through the town website and other means. All subscribers, including small and minority businesses and women's business enterprises, have been notified pursuant to this bid solicitation.
- 3) Contractor must have adequate financial resources to perform the contract or the ability to obtain such resources.
- 4) Contractor must have or be able to acquire the required construction, production, and/or technical facilities, equipment, employees and other resources to perform the work under the contract.
- 5) Contractors certify that there is no prohibited organizational conflict of interest.

**CERTIFICATION REGARDING LOBBYING** - The undersigned, furthermore certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents of all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and

disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, United States Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

(Bidder's Signature)

*Sandra N Sabatier*

Date 10-10-18

*Sandra N Sabatier, Secretary*

Name and Title of Authorized Signee

*Zabatt Engue Services, Inc.*

Name of Corporation, Partnership, Joint Venture, Etc.

(SEAL)

ADM 18-3 Installation of Generator at Town Hall

Addendum #1

1. Q: Attachment E12-2 (manufacturer's specs of Attachment A) could not locate.

A: There is no Attachment A. Each bidder is to submit for a generator to be installed to meet the 200kw natural gas requirements and is compatible with the proper sized ATS that is also to be installed.

2. Q: Walk-thru of jobsite not listed on the anticipated milestone dates in Part C

A: Walk thru of the jobsite is on an as needed basis and can be scheduled any time before the bid opening. A 24 hr notice of the site visit is requested to make sure that staff is available to show the work area. All walk-thru appointments must be completed during normal business hours, Monday thru Friday, 8:00 AM to 4:30 PM

3. Q: Bid submittal due date and time

A: All bids must be received before the opening at 2:00 PM on October 11<sup>th</sup>, 2018

4. Q: Please provide a plan holders list.

A: We do not have a list of the plan holders since the plans are available online

5. Q: Project estimated cost.

A: The estimated cost for the entire project is \$137,000.00

**BOARD OF COUNTY  
COMMISSIONERS**

Dave Eggers  
Pat Gerard  
Charlie Justice  
Janet Long  
Karen Williams Seel  
Kenneth T. Welch



Joe Lauro, CPPO/CPPB  
Director

August 17, 2018

Zabatt Power Systems, Inc  
Attn: Jeremy Siegel, Sales Manager  
4612 Highway Avenue  
Jacksonville, FL 32254

RE: CERTIFICATION OF PRE-QUALIFICATION

The Pre-Qualification Committee met on August 09, 2018 recommending the limit(s) / categories set below. The Pinellas County Board of County Commissioners approved the recommendation of the Committee.

<u>CATEGORY</u>	<u>LIMITATION</u>
BUILDING	\$ 4,000,000
ELECTICAL	\$ 4,000,000

This approval enables your company to remain on Pinellas County's Pre-Qualified Vendors List for one year. A renewal notice will be sent to your company prior to your next annual renewal date.

Should any significant change in your financial statement, in the structure of your firm or an address change occur, this Department should be advised.

If you have any questions please do not hesitate to contact me at 727-464-4336.

Sincerely,

Rocky J. Luoma  
Pre-Qualification Coordinator

PLEASE ADDRESS REPLY TO:  
400 South Ft. Harrison, Sixth Floor  
Clearwater, Florida 33756  
Phone: (727) 464-3311  
FAX: (727) 464-3925  
Website: [www.pinellascounty.org/purchase](http://www.pinellascounty.org/purchase)



## REFERENCE LIST

Project description: Provide and install generator  
Project name and location: Montgomery Correctional, Jacksonville, FL  
Project owner: City of Jacksonville  
Contact: Robert Upson  
Contact info: Fax: (904) 630-5415; Email: rupson@coj.net  
Year Completed: December 2017  
Contract Price: \$ 180,790

Project description: Provide & install 100kW gas generator and ATS  
Project name and location: Fire Station #5, Delray Beach, FL  
Project owner: City of Delray Beach  
Contact: Bob Diaz  
Contact info: Fax: (561) 243-7060; Email: [Diazj@mydelraybeach.com](mailto:Diazj@mydelraybeach.com)  
Year Completed: March 2018  
Contract Price: \$ 114,479

Project description: Provide & install 500kW generator, ATS, stairs, concrete work  
Project name and location: River Garden, Jacksonville, FL  
Project owner: River Garden Hebrew Home  
Contact: Micah Barth  
Contact info: Phone: (904) 255-4333  
Fax: (904) 260-9733; Email: [mbarth@rivergarden.org](mailto:mbarth@rivergarden.org)  
Year Completed: June 2018  
Contract Price: \$ 201,000

Project description: Provide & install 100kW and 150kW generators  
Project name and location: Tampa Fleet Mgmt; Tampa, FL  
Project owner: City of Tampa  
Contact: Kevin Schelb  
Contact info: Phone: (813) 247-3451, Ext-55213  
Fax: (813) 242-5312; Email: [Kevin.Schelb@tampagov.net](mailto:Kevin.Schelb@tampagov.net)  
Year Completed: July 2018  
Contract Price: \$ 350,000

Continued...



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD**

THE BUILDING CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

**SIEGEL, JEREMY ASHER**

ZABATT INC  
14505 AMELIA COVE DRIVE  
JACKSONVILLE FL 32226

**LICENSE NUMBER: CBC1257077**

**EXPIRATION DATE: AUGUST 31, 2020**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



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RICK SCOTT, GOVERNOR

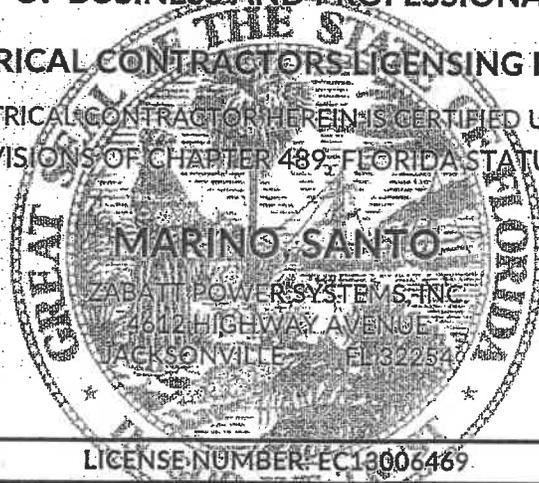
JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ELECTRICAL CONTRACTORS LICENSING BOARD

THE ELECTRICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



LICENSE NUMBER: EC 13006469

EXPIRATION DATE: AUGUST 31, 2020

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/24/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Doug Jones c/o Artex Risk Solutions, Inc. 8840 E. Chaparral Rd.; Suite 275 Scottsdale, AZ 85250	<b>CONTACT NAME:</b> PHONE (A/C No. Ext): (480) 951-4177 FAX (A/C No.): (480) 951-4266 E-MAIL ADDRESS:
	<b>INSURER(S) AFFORDING COVERAGE</b> NAIC # INSURER A: American Zurich Insurance Company 40142 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
<b>INSURED</b> Oasis Acquisition, Inc Alt. Emp: ZABATT ENGINE SERVICES INC dba: ZABATT POWER SYSTEMS INC 2054 Vista Parkway Suite 300 West Palm Beach, FL 33411	

**COVERAGES**

CERTIFICATE NUMBER: 17FL075845089

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/PROP AGG \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	WC 29-38-687-15	06/01/2017	06/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
			Location Coverage Period:	06/01/2017	06/01/2018	Client# 10724-1

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage is provided for only those co-employees of, but not subcontractors to:

ZABATT ENGINE SERVICES INC dba: ZABATT  
 POWER SYSTEMS INC  
 4612 HIGHWAY AVE  
 JACKSONVILLE, FL 32254

**CERTIFICATE HOLDER**

SAMPLE

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



## Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

<b>Print or type See Specific Instructions on page 2.</b>	<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Zabatt Engine Services, Inc.</b>	
	<b>2</b> Business name/disregarded entity name, if different from above <b>dba / Zabatt Power Systems, Inc.</b>	
	<b>3</b> Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <b>Note.</b> For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____	
	<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) <u>5</u> Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>	
	<b>5</b> Address (number, street, and apt. or suite no.) <b>4612 Highway Avenue</b>	<b>Requester's name and address (optional)</b>
	<b>6</b> City, state, and ZIP code <b>Jacksonville, Florida 32254</b>	
	<b>7</b> List account number(s) here (optional)	

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

<b>Social security number</b>	
<b>or</b>	
<b>Employer identification number</b>	
5	9
-	1
8	8
9	2
7	1

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

<b>Sign Here</b>	Signature of U.S. person ▶	Date ▶ <u>10-8-18</u>
------------------	----------------------------	-----------------------

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



Zabatt Inc. Corporate Office  
4612 Highway Ave. Jacksonville, FL 32254  
Ph: 904-384-4505 Fax: 904-384-7446  
Jacksonville | Orlando | Tampa | Miami



**PROJECT INFORMATION**

Customer	Town of Belleair	Date	10/10/18	Quote #	46831
Project Name	Town of Belleair - Town Hall	* Quote Expires 30 Days From Issue Date		Revision	

**WE ARE PLEASED TO OFFER THE FOLLOWING THE PROPOSAL FOR YOUR PROJECT**

**Quantity 1 - Generac Industrial generator, consisting of the following features and accessories:**

SG200  
Rated at 200kW  
Stationary Emergency-Standby rated  
120/208 VAC three phase, 60Hz  
Natural Gas  
Permanent Magnet Excitation  
Standard Aluminum Enclosure  
150MPH Wind Rated (NOT Impact Rated)  
Avg. 87.8dBA @ 7M  
Power Zone  
800amp MLCB, 80% thermal/mag w/shunt trip & contacts (w/ std factory lugs)  
10 Amp Battery Charger  
Battery, battery rack & cables  
Coolant Heater  
Flex fuel line  
Std set of 3 Manuals  
UL2200  
EPA Certified

**Quantity 1 - Automatic Transfer Switch**

ASCO 300 Series  
Rated at 800 Amp  
208 Volt, 3 Phase, 3 Pole  
Service Entrance Rated  
Auxiliary contacts  
Signal before transfer  
Programmable exerciser  
NEMA 1 Enclosure

\*Specific circuit breaker only ATS provided  
\*Upstream breakers must NOT be LI or LSI

**MISCELLANEOUS**

On-Site Start Up and Testing  
4 Hour Resistive Load Bank Test (Performed Onsite)  
Gaseous units are NOT field convertible per EPA requirements  
FOB Origin, full freight allowed to first destination



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**WARRANTY**

Standard 2 Year Warranty (from date of performing start up)

**THE FOLLOWING IS NOT INCLUDED**

- Fuel
- Concrete Pad
- Service & Maintenance Agreement - see ADDER**
- Five year warranty - see ADDER**
- Formal Training
- Remote Annunciator
- Remote E-Stop Button

**INSTALLATION - SCOPE OF WORK (LICENSE # EC13006469)**

- Supply and install new 200kW generator with 800 amp SER ATS.

**All work to be completed during normal business hours: Monday – Friday 8am – 5pm**

**\*Any alterations or deviations from the above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate; including and not limited to authority having jurisdictions changes and unforeseen violations.**

**EXCLUSIONS**

- Engineering

**PRICE**

<u>\$142,670.93</u>	<b>Plus Applicable Sales Tax</b>
<u>11 - 13</u>	<b>Week Estimated Ship Date (Equipment only)</b>

*Customers are responsible for paying sales and use tax on goods shipped outside of the State of Florida.*

*Zabatt, Inc. is a State of Florida Certified Minority owned business.*

*Built in discount of 2.5% has been applied to quote for payments that are remitted as cash, check, EFT or wire transfer.*

**ADDER: Include 5 year extended warranty (generator and ATS): \$ 2,200.00 plus tax  
 (Must be purchased at time of order; cannot be purchased at a later date)**

**ADDER: Include 1 year quarterly maintenance agreement: \$ 1,325.00 plus tax  
 Consists of (1) Major and (3) Minor visits; Load Bank Testing NOT included**

**Major Service includes generator inspection and testing in accordance with factory recommended procedures. Labor to change oil & filter, perform visual fuel inspection, travel mileage, and travel time, shop supplies and the following parts: oil; oil filter(s).**

**Minor Service includes generator inspection and testing in accordance with factory recommended procedures, travel mileage and travel time.**



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#### COMPLIANCE REVIEW

Zabatt Power System's proposal to provide the standby generator package meets or exceeds the intent of the specification sections provided with the exception of the following:

**Limited information provided / available; quoting per this Bill of Material ONLY**

**5 Year warranty provided as an ADDER**

**Quarterly maintenance agreement quoted as an ADDER**

**Remote annunciator and Remote E-stop are not included in quote**

Zabatt is an equipment supplier. It is the responsibility of the Specifying Engineer, Installing Contractor or End User to ensure that the equipment is selected and installed in accordance with Local and National codes.

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**CHANGES, CANCELLATIONS & RETURNS**

Any order or contract may be cancelled by the customer only upon the payment of reasonable charges and expenses incurred by Zabatt on or before the date of receipt by Zabatt of said notice of cancellation. Such reasonable charges and expenses may include, but are not limited to, any cancellation charges incurred by Zabatt for the cancellation and/or any liabilities for orders or commitments for materials or services previously ordered by Zabatt in connection with the cancelled customer order or contract. No material or product may be cancelled or returned for credit without first obtaining the written approval of, and at the sole discretion of, Zabatt. All shipping costs on returned material must be pre-paid by the customer. Accepted returns are subject to the charges, terms and requirements notified in writing to the buyer (which may include, with no limitations or exceptions, a 15% restocking fee).

**Delivery, Shipments, and Claims (to include Warranty)**

All charges for work performed during the warranty period are the responsibility of the customer until approved by the appropriate warranty authority. Warranties are subject to the manufacturer's guidelines. Even those warranty claims which are approved may not include 100% of the repairs or parts; the customer is responsible for charges excluded from warranty. Contingency payment arrangements must be made prior to any warranty work being performed. Batteries, oil, coolant, filters and adjustments are not covered as part of warranty repairs and will be billed to the customer at appropriate rates.

**Price and Minimum Billing**

Price shall be in accordance with rates currently in effect at the time the quote is received and shall expire on the date described in said quote. All quotes for services, parts, equipment, and labor will be issued in writing and have a system generated quote number. Verbal quotes are not valid and should not be accepted. A signed copy of the quote must on file before any work can be performed. Signature on said quote shall serve as the customer's acceptance Zabatt's billing guidelines and rates. Labor prices on quotes are good for a period of (30) thirty days from the date of issue unless otherwise specified. Parts and equipment prices are subject to change and billed at the current price at the time of purchase unless otherwise specified. All regular service calls and emergency calls within normal hours will be billed for a minimum of one hour of labor and ten miles of travel. All emergency after-hour calls will be billed for a minimum of four hours labor and ten miles of travel.

**Credit and Payment Terms**

Commercial customers who have not established a credit account with Zabatt must make payment arrangements before goods are delivered or a technician is dispatched. No credit terms will be extended to end-users. We cannot accept payment on site but must have a signed credit card authorization on file in order to perform any service work on new accounts. No work will be performed for, or product delivered to, customers who are on credit hold. This hold includes any emergency repairs and warranty work that may be required. Account must be paid in full or alternate means of payment must be coordinated and approved before work is performed or product is delivered. Service Rate Definitions and Conditions are available as a separate document

**Agreement**

This agreement consists of, and is limited to, a qualified technician performing scheduled maintenance in accordance with the manufacturer's recommendations. Zabatt, Inc will not be held liable for damages to the equipment or property as a result of equipment failure caused by any of, but not limited to, the following circumstances: improper or unauthorized operation; normal wear and tear or damage due to overloading; vandalism, theft or acts of a third party; acts of nature; failure to perform services due to hazardous conditions and other causes beyond the control of Zabatt Inc.

**Signature and acceptance of the quotation constitutes agreement to comply with Zabatt's terms and conditions as attached.**

\_\_\_\_\_  
 Signature of Owner or Representative

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Signature of Zabatt Representative

\_\_\_\_\_  
 Date

**Henry Carpenter**  
**(407) 924-6378**  
[Henry.Carpenter@zabatt.com](mailto:Henry.Carpenter@zabatt.com)

**SG200 | 14.2L | 200 kW**  
**INDUSTRIAL SPARK-IGNITED GENERATOR SET**  
 EPA Certified Stationary Emergency

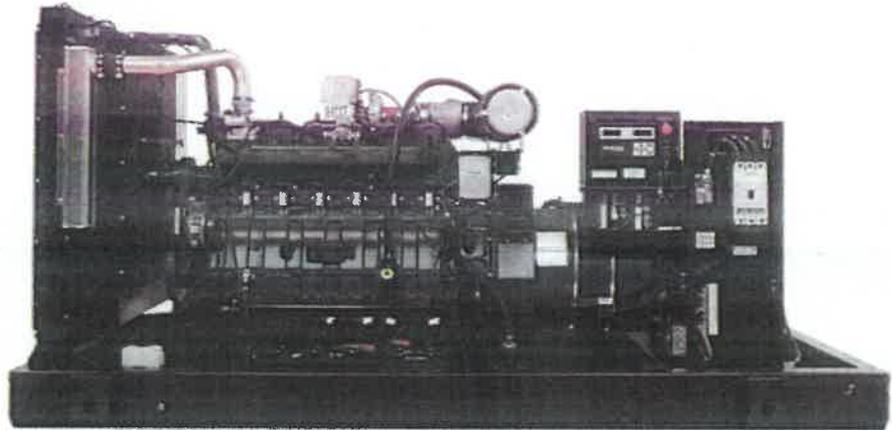
**GENERAC** | INDUSTRIAL

**DEMAND RESPONSE READY**

**Standby Power Rating**  
 200 kW, 250 kVA, 60 Hz

**Demand Response Power Rating**  
 200 kW, 250 kVA, 60 Hz

**Prime Power Rating\***  
 180 kW, 225 kVA, 60 Hz



\*EPA Certified Prime ratings are not available in the US or its Territories

Image used for illustration purposes only

## Codes and Standards

Generac products are designed to the following standards:

-   UL2200, UL508, UL142, UL489
-  CSA 22.2
-   BS5514 and DIN 6271
-  SAE J1349
-  NFPA 37, 70, 99, 110
-  NEC700, 701, 702, 708
-  ISO 3046, 7637, 8528, 9001
-  NEMA ICS10, MG1, 250, ICS6, AB1
-  ANSI C62.41
-   IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

## Powering Ahead

Generac ensures superior quality by designing and manufacturing most of its generator components, such as alternators, enclosures, control systems and communications software. Generac also makes its own spark-ignited engines, and you'll find them on every Generac gaseous-fueled generator. We engineer and manufacture them from the block up — all at our facilities throughout Wisconsin. Applying natural gas and LP-fueled engines to generators requires advanced engineering expertise to ensure reliability, durability and necessary performance. By designing specifically for these dry, hotter-burning fuels, the engines last longer and require less maintenance. Building our own engines also means we control every step of the supply chain and delivery process, so you benefit from single-source responsibility.

Plus, Generac Industrial Power's distribution network provides all parts and service so you don't have to deal with third-party suppliers. It all leads to a positive owner experience and higher confidence level. Generac spark-ignited engines give you more options in commercial and industrial generator applications as well as extended run time from utility-supplied natural gas.

**INDUSTRIAL SPARK-IGNITED GENERATOR SET**

EPA Certified Stationary Emergency

**STANDARD FEATURES**

**DEMAND RESPONSE READY**

**ENGINE SYSTEM**

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Exhaust Silencer

**Fuel System**

- Fuel Line - NPT Connection
- Primary and Secondary Fuel Shutoff

**Cooling System**

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radlator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

**Electrical System**

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

**ALTERNATOR SYSTEM**

- GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Amortisseur Winding
- Full Load Capacity Alternator

**GENERATOR SET**

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Only)

**ENCLOSURE (If Selected)**

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

**CONTROL SYSTEM**



**Digital H Control Panel- Dual 4x20 Display**

**Program Functions**

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- 3-Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)

- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

**Full System Status Display**

- Power Output (kW)
- Power Factor
- kW Hours, Total and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level

- Engine Speed
- Battery Voltage
- Frequency

**Alarms and Warnings**

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Low Fuel Pressure Alarm
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

**CONFIGURABLE OPTIONS**

**DEMAND RESPONSE READY**

**ENGINE SYSTEM**

- Engine Coolant Heater
- Oil Heater
- Air Filter Restriction Indicator
- Stone Guard (Open Set Only)
- Fan and Belt Guards

**ELECTRICAL SYSTEM**

- 10A UL Battery Charger
- Battery Warmer

**ALTERNATOR SYSTEM**

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating

**CIRCUIT BREAKER OPTIONS**

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

**GENERATOR SET**

- Demand Response Rating
- GenLink® Communications Software (English Only)
- Extended Factory Testing (3-Phase Only)
- 12 Position Load Center
- Vapor Recovery Heater

**ENCLOSURE**

- Standard Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating\*
- AC/DC Enclosure Lighting Kit
- Enclosure Ambient Heaters
- Door Alarm Switch

**CONTROL SYSTEM**

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Sender with Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- 10A Run Relay
- Ground Fault Indication and Protection Functions
- 120V GFCI and 240V Outlet
- 100 DB Alarm Horn

**WARRANTY (Standby Gensets Only)**

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

**ENGINEERED OPTIONS**

**ENGINE SYSTEM**

- Coolant Heater Ball Valves
- Fluid Containment Pan

**ALTERNATOR SYSTEM**

- 3rd Breaker System

**CONTROL SYSTEM**

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

**GENERATOR SET**

- Special Testing
- Battery Box

\* Consult factory for availability

**SG200 | 14.2L | 200 kW**  
**INDUSTRIAL SPARK-IGNITED GENERATOR SET**  
 EPA Certified Stationary Emergency



**APPLICATION AND ENGINEERING DATA**

**DEMAND RESPONSE READY**

**ENGINE SPECIFICATIONS**

**General**

Make	Generac
Cylinder #	6
Type	In-line
Displacement - L (Cu In)	14.17 (864.71)
Bore - mm (in)	135 (5.31)
Stroke - mm (in)	165 (6.50)
Compression Ratio	9.5:1
Intake Air Method	Turbocharged/Aftercooled
Number of Main Bearings	7
Connecting Rods	Carbon Steel
Cylinder Head	Cast Iron GT250, OHV
Cylinder Liners	Ductile Iron
Ignition	Altronic CDI
Piston Type	Aluminum
Crankshaft Type	Ductile Iron
Lifter Type	Solid
Intake Valve Material	Special Heat-Resistant Steel
Exhaust Valve Material	High Temp Alloy Steel
Hardened Valve Seats	High Temp Alloy Steel

**Engine Governing**

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

**Lubrication System**

Oil Pump Type	Gear
Oil Filter Type	Twin Full-flow with Intercooler
Crankcase Capacity - L (qts)	34.3 (36.2)

**Cooling System**

Cooling System Type	Pressurized Closed Recovery
Fan Type	Pusher
Fan Speed (rpm)	1,894
Fan Diameter - mm (in)	762 (30)

**Fuel System**

Fuel Type	Natural Gas
Carburetor	Down Draft
Secondary Fuel Regulator	Standard
Fuel Shut Off Solenoid	Standard (Dual)
Operating Fuel Pressure	7" - 11" H <sub>2</sub> O

**Engine Electrical System**

System Voltage	24 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	(2) - 12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	Generac 520 mm
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3 Phase)
Telephone Interference Factor (TIF)	<50

Standard Excitation	Permanent Magnet
Bearings	Single Sealed
Coupling	Direct, Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

**SG200 | 14.2L | 200 kW**  
**INDUSTRIAL SPARK-IGNITED GENERATOR SET**  
 EPA Certified Stationary Emergency



**OPERATING DATA**

**DEMAND RESPONSE READY**

**POWER RATINGS**

	Standby/Demand Response	
Single-Phase 120/240VAC @1.0pf	200 kW	Amps: 833
Three-Phase 120/208 VAC @0.8pf	200 kW	Amps: 694
Three-Phase 120/240 VAC @0.8pf	200 kW	Amps: 601
Three-Phase 277/480 VAC @0.8pf	200 kW	Amps: 301
Three-Phase 346/600 VAC @0.8pf	200 kW	Amps: 241

**STARTING CAPABILITIES (skVA)**

**skVA vs. Voltage Dip**

Alternator	kW	480 VAC						Alternator	kW	208/240 VAC					
		10%	15%	20%	25%	30%	35%			10%	15%	20%	25%	30%	35%
Standard	200	187	280	373	467	560	653	Standard	200	140	210	280	350	420	490
Upsize 1	250	263	395	527	658	790	922	Upsize 1	250	197	296	395	494	593	692
Upsize 2	300	303	454	605	757	908	1,059	Upsize 2	300	227	341	454	568	681	794

**FUEL CONSUMPTION RATES\***

**Natural Gas – ft<sup>3</sup>/hr (m<sup>3</sup>/hr)**

Percent Load	Standby
25%	900 (25.5)
50%	1,543 (43.7)
75%	2,083 (59.0)
100%	2,571 (72.8)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load

**COOLING**

		Standby
Air Flow (inlet air combustion and radiator)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	3,432 (267)
Coolant Flow per Minute	gal/min (l/min)	119 (450)
Coolant System Capacity	gal (l)	10 (37.9)
Heat Rejection to Coolant	BTU/hr	670,230
inlet Air	cfm (m <sup>3</sup> /min)	3,000 (255)
Maximum Operating Air Temperature on Radiator	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin 0199270SSD	
Maximum Radiator Backpressure	in H <sub>2</sub> O	0.5

**COMBUSTION AIR REQUIREMENTS**

	Standby
Flow at Rated Power cfm (m <sup>3</sup> /min)	432 (12.2)

**ENGINE**

**EXHAUST**

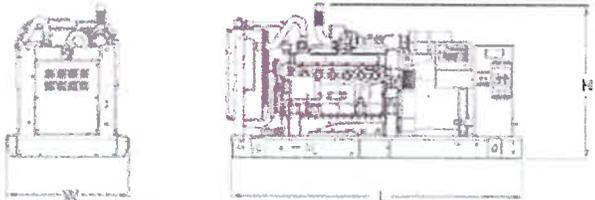
	Standby		Standby
Rated Engine Speed	rpm	1,800	
Horsepower at Rated kW**	hp	304	
Piston Speed	ft/min	1,949	
BMEP	psi	155	
		Exhaust Flow (Rated Output)	cfm (m <sup>3</sup> /min)
		Maximum Exhaust Backpressure	inHg (kPa)
		Exhaust Temp (Rated Output - Post Silencer)	°F (°C)
		Exhaust Size Outlet	in (mm)

\*\* Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.  
 Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.  
 Standby - See Bulletin 0187500SSB  
 Demand Response - See Bulletin 10000018250  
 Prime - See Bulletin 0187510SSB

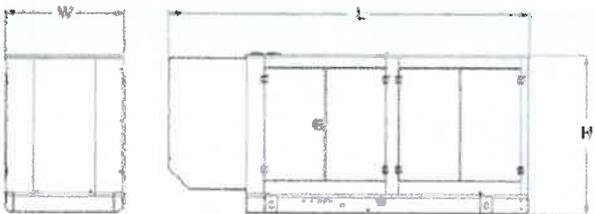
**DIMENSIONS AND WEIGHTS\***

**DEMAND RESPONSE READY**



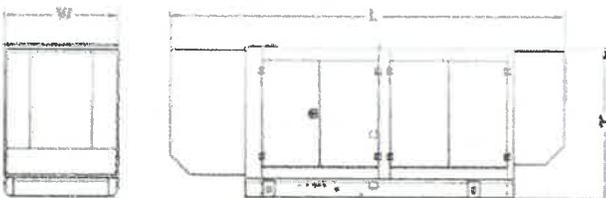
**OPEN SET (Includes Exhaust Flex)**

L x W x H in (mm)	127.85 (3,250) x 53.43 (1,344.5) x 67.37 (1,711.2)
Weight lbs (kg)	5,460 (2,477)



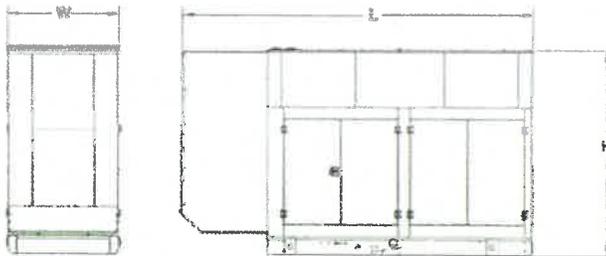
**STANDARD ENCLOSURE**

L x W x H in (mm)	153.89 (3,909) x 52.73 (1,339.3) x 69.67 (1,769.6)
Weight lbs (kg)	Steel: 6,440 (2,921) Aluminum: 5,974 (2,710)



**LEVEL 1 ACOUSTIC ENCLOSURE**

L x W x H in (mm)	180.11 (4,574.7) x 52.73 (1,339.3) x 69.67 (1,769.6)
Weight lbs (kg)	Steel: 6,744 (3,059) Aluminum: 6,104 (2,769)



**LEVEL 2 ACOUSTIC ENCLOSURE**

L x W x H in (mm)	154.45 (3,922.9) x 53.96 (1,370.6) x 93.40 (2,372.3)
Weight lbs (kg)	Steel: 6,980 (3,166) Aluminum: 6,206 (2,815)

\* All measurements are approximate and for estimation purposes only.

**YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER**

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

## POWER ZONE® CONTROL PLATFORM



### Features

The Generac POWER ZONE® Digital Control Platform is a fully integrated and multipurpose family of controllers for Generac's single and Modular Power Systems (MPS).

#### Standard Single Unit Control Features (-GS\* and -DS\*)

- Engine Protective Functions
- Alternator Protective Functions
- Digital Engine Governor Control
- Digital Voltage Regulator
- 7" Color Touch Screen
- Multi-Lingual
- Multiple Programmable Inputs and Outputs
- Remote Display Capability
- Remote Communication Via Modbus® RTU, Modbus TCP/IP, Ethernet 10/100
- Alarm and Event Logging with Real Time Stamping
- Expandable Analog And Digital Inputs and Outputs
- Wireless Software Update Via Remote Computer
- Wi-Fi, Blue-tooth, BMS and Remote Telemetry

#### Additional Standard Parallel Control Features (-GSP\*\* and -DSP\*\*)

- Paralleling Control (Synchronizing)
- Reverse Power
- Loss Of Synchronization Between Gensets
- Load and VAR Sharing

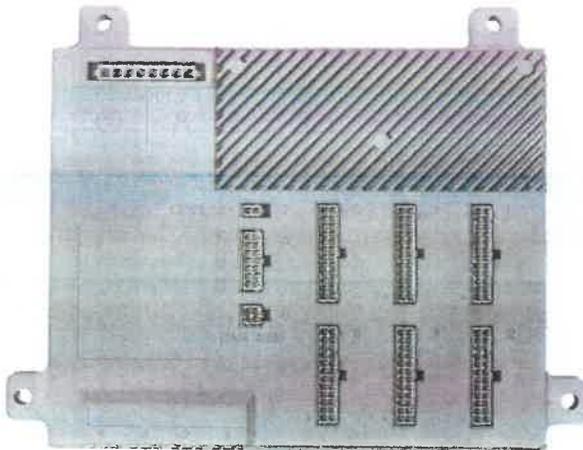
#### Standard System Control Features

- Built-In PLC Logic Eliminates the Need for External Controllers Under Most Conditions
- Ethernet Based Communications Between Gensets
- Programmable I/O Channel Properties
- Built-In Diagnostics

\*\* -GS is Gaseous Standby, -DS is Diesel Standby

\*\*\* -GSP is Gaseous Standby Parallel, -DSP is Diesel Standby Parallel

## POWER ZONE® CONTROL PLATFORM



### Display (Touch Screen)

- Resistive Color Touch Screen
- Hi-Brite (1400 NITS)
- Easy Identifiable Icons
- Multi-Lingual
- On Screen Editable Parameters
- Key Function Monitoring
  - Three Phase Voltage, Amperage, kW, kVa, and kVar
  - Selectable Line to Line or Line to Neutral Measurements
  - Frequency
  - RPM
  - Engine Coolant Temperature
  - Engine Oil Pressure
  - Engine Oil Temperature
  - Battery Voltage
  - Warning and Alarm Indication
  - Diagnostics
  - Maintenance Events/Information
  - Hourmeter



### Voltage Regulation (Single or Three Phase Module Options)

- Digital Control
- Three-Phase Sensing†
- Variable V/F Slope Settings and Adjustable Gains
- Negative Power Limit
- Soft Start Ramping
- Loss Of Sensing Protection
- Components Encapsulated for Total Protection
- Paralleling Function for Power Zone® -DSP and Power Zone™ -GSP ‡
- Fault Protection (I²T Function)‡
- High Voltage Limit
- Low Voltage Limit
- Maximum Power Limit
- ±0.5% Voltage Regulation
- ±0.1% Stability

### PLC (Built-In Programmable Logic Controller)

- Boolean Logic Programming (Ladder)
- 16 Timers
- 16 Counters
- Counter Reset
- Configurable Through Software Tool

### Governor Module

- Soft Start Ramping (Multiple Steps)
- Synchronizing Function for Power Zone® -DSP and Power Zone™ -GSP Only ‡
- Fully Adjustable Gain (PID)

### Customer Ports

- 1 - RS485 - Modbus RTU (Main Controller)
- 1 - RJ45 - RAP/RRP (Main Controller)
- 1 - CANBus - Power Zone Accessories (Main Controller)
- 1 - RJ45 - Modbus TCP/IP or Ethernet 10/100 (Display)

† With select voltage regulators  
‡ Configurable option

## POWER ZONE® CONTROL PLATFORM

### Connections<sup>§</sup>

- 27 - Digital Outputs (Open Drain, 35Vdc, 1.7A)
  - 6 Fast PWM Capable
  - 1 High Current
- 20 - Digital Inputs Maximum
  - 6 Fast PWM Capable
- 12 - General Purpose Analog Inputs
- 4 - Fast Analog Inputs
- 4 - Analog Outputs (0-5Vdc)
- 1 - E-Stop Relay Output
- 7 - Current Sense Inputs
- 2 - High Voltage Sense Inputs (3 Phase + Neutral)
- 2 - Magnetic Pickup Inputs
- 1 - Coolant Sensor Input
- 4 - Ethernet Ports
- 3 - CANBus Channels
- 1 - RS-485 Ports
- 2 - Switchable +12V Power Outputs

### Qualification Testing

- Life Test in Environmental Chamber
- Temperature Rating -40° C to +70° C
- Humidity 2% to 95% (Non Condensing)
- Vibration Tested And Protected
- Accelerated Testing MTBF >50,000 Hr.

### Codes And Standards

- UL 6200
- C-ETL-US
- CE
- FCC
- NFPA 110 (Software Programmable For Level 1 or 2)<sup>§§</sup>

### Protections

- Low Oil Pressure
- Low Coolant Level
- High/Low Coolant Temperature
- Sender Failure
- Oil Temperature
- Over/Under Speed
- Over/Under Voltage
- Over/Under Frequency
- Over/Under Current
- Over Load
- Battery Voltage
- Battery Charger Current
- Phase To Phase And Phase To Neutral Short Circuits (I<sup>2</sup>T Algorithm)

### Control Panel And Touch Screen

- Auto/Off/Manual
  - Operation Through Key Switch
  - Indication Through Touchscreen
- Alarm Acknowledge Button
- Audible Alarm and Silence
- Emergency Stop
- Not in Auto Indication

### Key

	Fuel Type	Generator Type	Number
-GS	Gas	Standby	
-GSP	Gas	Standby	Parallel
-DS	Diesel	Standby	
-DSP	Diesel	Standby	Parallel
-BS	Bi-Fuel	Standby	
-BSP	Bi-Fuel	Standby	Parallel

§ Actual I/O may vary due to configuration  
 §§ With Additional Optional Remote Annunciator

## GENERATOR ENCLOSURES



### DESCRIPTION

GENERAC POWER SYSTEMS' generator enclosures provide year-round weather protection for your power equipment. Engineered with functionality and value in mind, the enclosure design benefits are unique in that the enclosures utilize dimensionally matched components for either a weather protective configuration or a sound attenuated/acoustic configuration. With common components used between design, modification and on-site upgrades can be accomplished with ease.

The enclosure design offers several benefits over the "standard enclosures" of other manufacturers. Generac's enclosures have been created with the goal of maximizing the customer's product performance satisfaction while maintaining the functionality of reducing exterior noise levels and discouraging product tampering.

Although others may require a "premium" for a self-enclosed exhaust system, rugged steel panel construction or protective polyethylene washers under all exterior panel fasteners, Generac includes these and several other features on every enclosure configuration. Be sure to compare. Generac Enclosures offer additional design enhancement extras that other "standard enclosures" do not.

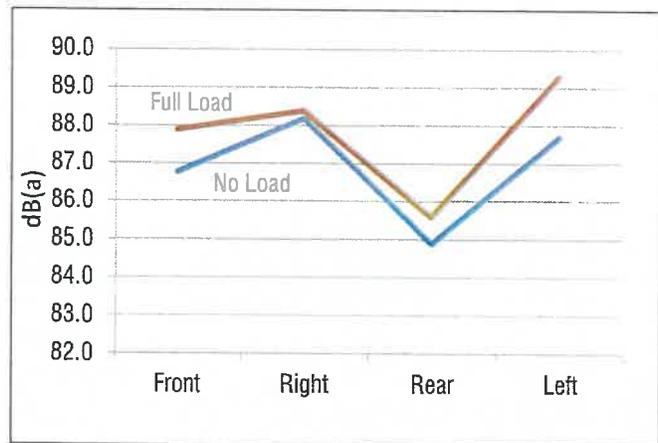
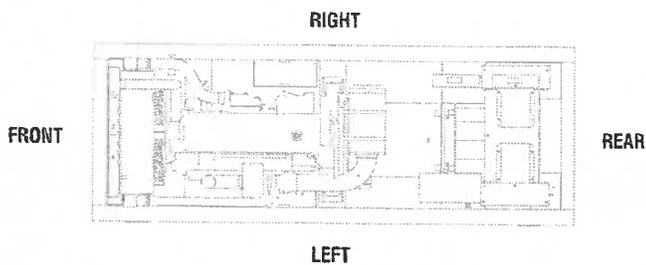
**SOUND EMISSION DATA**  
**NON-ENCLOSED UNIT (OPEN SET)**  
**SD200 8.7L IVECO**

**60Hz NO-LOAD DATA, dB(A) DISTANCE: 7 METERS**

MICROPHONE LOCATION	OCTAVE BAND CENTER FREQUENCY (Hz)									
	31.5	63	125	250	500	1000	2000	4000	8000	dB(A)
FRONT	40.8	62.0	72.6	76.0	80.7	82.2	80.1	78.0	74.4	86.8
RIGHT	33.2	54.4	74.3	74.4	83.1	84.3	80.0	79.0	75.0	88.2
REAR	38.9	58.2	73.3	73.6	82.5	78.9	74.7	71.5	66.8	84.9
LEFT	35.6	57.8	74.9	73.5	83.6	81.8	80.5	79.2	75.0	87.7
<b>AVERAGE</b>	37.1	58.1	73.8	74.4	82.5	81.8	78.8	76.9	72.8	<b>86.9</b>

**60Hz FULL-LOAD DATA, dB(A) DISTANCE: 7 METERS**

MICROPHONE LOCATION	OCTAVE BAND CENTER FREQUENCY (Hz)									
	31.5	63	125	250	500	1000	2000	4000	8000	dB(A)
FRONT	32.7	55.5	71.5	79.0	80.7	82.2	82.3	78.1	72.5	87.9
RIGHT	30.8	56.1	71.8	74.0	80.3	83.2	81.2	78.1	75.1	88.4
REAR	31.9	55.7	70.4	75.7	82.6	80.5	75.7	72.0	68.8	85.6
LEFT	29.3	54.8	71.2	79.3	81.7	84.8	82.4	79.4	78.4	89.3
<b>AVERAGE</b>	31.2	55.5	71.2	77.0	81.3	82.7	80.4	76.9	73.7	<b>87.8</b>



1. All positions at 23 feet (7 meters) from side faces of generator set.
2. Test conducted on a 100 foot diameter asphalt surface.
3. Sound pressure levels are subject to instrumentation, installation and testing conditions.
4. Open Set sound data excludes exhaust contribution.

4

3

1

R642 [25.3] DOOR SWING TYP  
R618 [24.3] DOOR SWING TYP

350 [13.8] ENCLOSED EXHAUST OUTLET

507 [20.0] ENCLOSED EXHAUST OUTLET

AIR INTAKE BOTH SIDES

AIR INTAKE BOTH SIDES

3923 [154.4] OVERALL LENGTH

RADIATOR / EXHAUST DISCHARGE AIR

3277 [129.0]

AIR INTAKE BOTH SIDES

1483 [57.6]

241 [9.5]

DIM Y C.O.G.

DIM X C.O.G.

653 [25.7]

3250 [128.0]

FOR ALL STUB-UP, WEIGHT, AND C.O.G. DETAILS, SEE CORRESPONDING OPEN SET DRAWING PER UNIT CONFIGURATION.

1371 [54.0] OVERALL WIDTH

1529 [60.2]

1772 [69.8] OVERALL HEIGHT

DIM Z C.O.G.

1234 [48.6]

B

B

A

A

DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

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ELECTRONICALLY APPROVED INSIDE WINDCHILL



TITLE			
STD ENCLOSURE G14.2L			
60HZ: SG150/PG135, SG175/PG158, SG200/PG180			
50HZ: SG120/PG108, SG140/PG126, SG160/PG144			
ISSUE DATE: 11/26/14			
SIZE	CAGE NO	DWG NO	REV
B	N/A	0L0467A	A
SCALE	0.035	WT-KG	SHEET 1 of 1

4

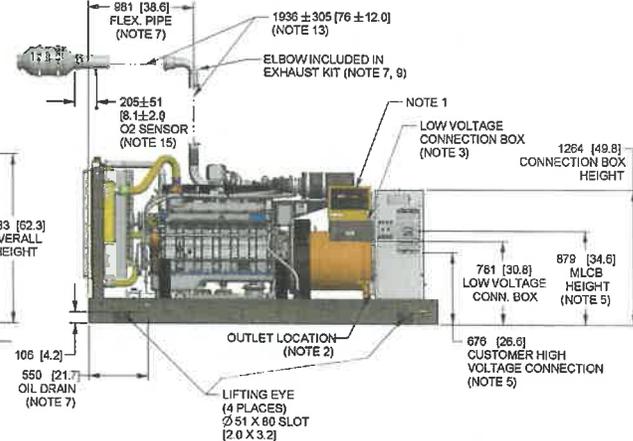
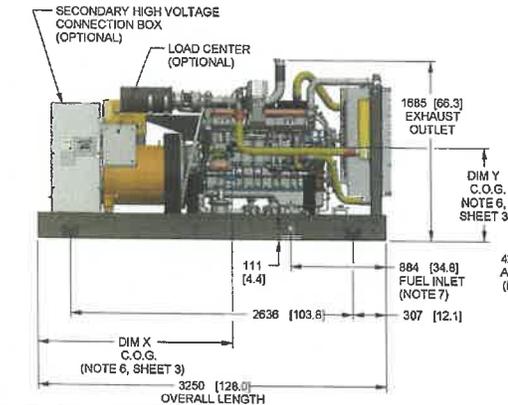
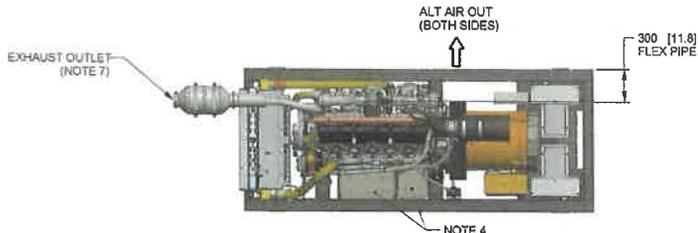
3

2

1

- Notes:**
- CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE).
  - 120V, 22A UFEC & 250V, 15A OUTLET (OPTIONAL).
  - CONNECTION PORTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STRIP-AP AREA).
  - BATTERY (24 VOLT NEGATIVE GROUND SYSTEM).
  - MAIN LINE CIRCUIT BREAKER (ALCS), AND LOAD LEADS. (DIMENSIONS MAY VARY DUE TO UNIT CONFIGURATION)
  - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
- 7. ENGINE SERVICE CONNECTIONS:**
- INLET NATURAL GAS = 2" NPT FEMALE COUPLING
  - INLET DIESEL = N/A
  - RETURN DIESEL = N/A
  - OIL DRAIN = 1/2" NPT FEMALE COUPLING
  - RADIATOR DRAIN = N/A
  - FLEX PIPE OUTLET = 3.5" I.D.
  - EXHAUST OUTLET = 6" O.D.
- \*\*\*\* REE GENERATOR SIZING GUIDE FOR FUEL PIPE SIZING TO SUIT APPLICATION \*\*\*\*

- AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX. UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED.
  - EXHAUST PIPES MAY BE ROTATED TO ALLOW MUFFLER TO POINT OUT TO THE RIGHT OR LEFT SIDE OF GENERATOR. (WAS NOT APPLY TO ALL UNITS)
  - GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
  - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INFESTATION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
  - INSTALL EXHAUST BLANKETS ALONG THIS LINE.
  - CONNECT THE OPEN SET EXHAUST PER NFPA 37
  - BLANKETS SHOULD NOT COVER OXYGEN SENSOR
  - OXYGEN SENSOR MUST BE MOUNTED BETWEEN ENGINE OUTLET AND 84 ENGINE INLET AS SHOWN. IF ELBOW IS REQUIRED, ONLY SINGLE ELBOW MAY BE USED.
  - CATALYZED SILENCER (FOR EPA UNITS) MUST BE MOUNTED IN DESCRIBED POSITION. FAILING TO FOLLOW THESE INSTRUCTIONS WHEN INSTALLING A CERTIFIED ENGINE IN A PLACE OF STATIONARY EQUIPMENT VIOLATES FEDERAL LAW 40 CFR 1068.108(D). SUBJECT TO FINES OR PENALTIES AS DESCRIBED IN THE CLEAN AIR ACT.
  - BOLTS OR CRUS STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8" - 11 GRADE 8.
- ADDITIONAL NOTES:** FOR WEIGHT AND CENTER OF GRAVITY DATA SEE NOTE 6, AND SHEET 3.



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

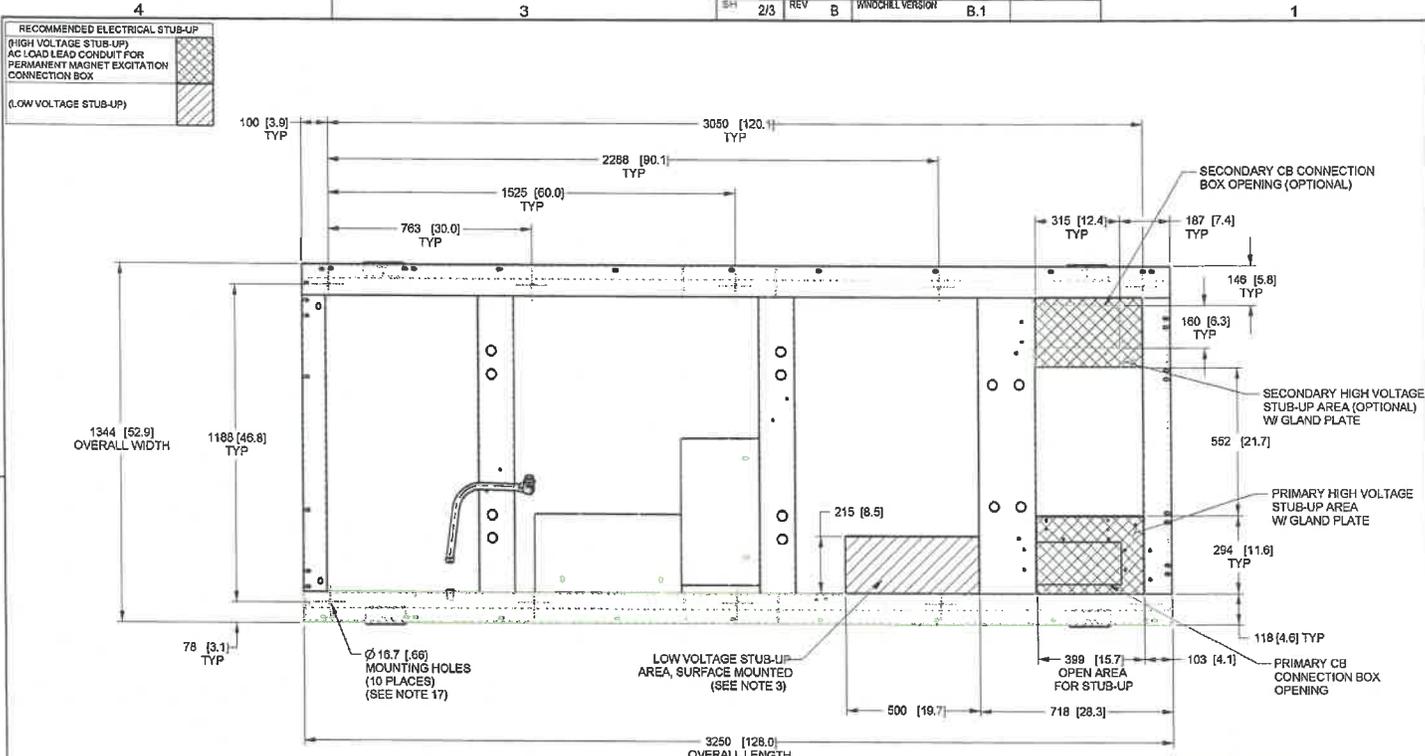
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<b>GENERAC</b>			
TITLE			
OPEN SET G14.2L			
60HZ: SG150/PG135, SG175/PG158, SG200/PG180			
50HZ: SG120/PG108, SG140/PG128, SG160/PG144			
ISSUE DATE:	11/26/18		
SIZE	CAGE NO.	DWG NO.	REV
B	N/A	0L0467	B
SCALE	0.030	WT-KG	SHEET 1 of 3

ELECTRONICALLY APPROVED INSIDE WINDCHILL



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DIMENSIONS ARE IN MILLIMETERS (INCHES)

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<b>GENERAC</b>			
<b>TITLE</b>			
<b>STUB-UP VIEW</b>			
<b>G14.2L</b>			
60HZ: SG150/PG135, SG175/PG158, SG200/PG180			
50HZ: SG120/PG108, SG140/PG125, SG160/PG144			
ISSUE DATE:	11/29/14		
SIZE:	CAGE NO:	DWG NO:	REV:
B	N/A	0L0467	B
SCALE:	WT-KG:	SHEET:	2 of 3
0.075		1	

ELECTRONICALLY APPROVED  
INSIDE WINDCHILL

# ASCO SERIES 300 Service Entrance Power Transfer Switch

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the necessary disconnecting, grounding, and bonding required for use as service entrance equipment. The power transfer switch meets all National Electrical Code requirements for service entrance use.

## Product Features:

- Suitable for use as service entrance equipment.
- Sizes available from 70 - 3000 amps, 600 VAC, 50 or 60 Hz, single or three phase.
- 70 - 400 Ampere listed to UL 1008.
- 600 - 3000 Ampere listed to UL 891.
- Automatic Transfer Switch is listed to UL 1008 for total system loads.
- Silver plated copper ground and neutral bus with solderless screw type terminals.
- Ground fault trip protection provided on sizes 1000 amps and above.
- Available with solid or switched neutral.

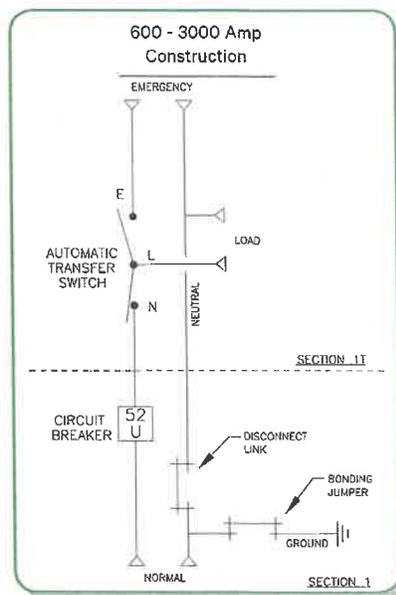
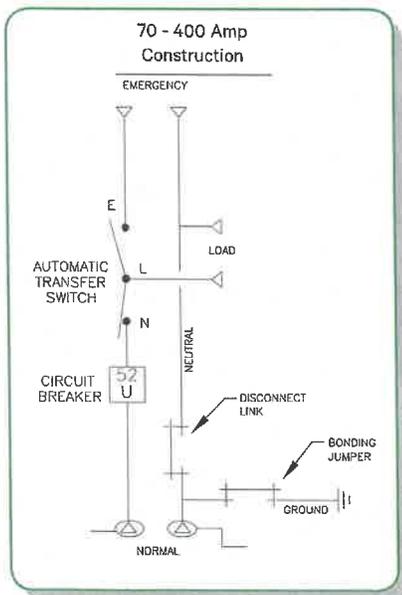


ASCO SERIES 300  
SE Rated 800 amperes Type 1 enclosure



ASCO SERIES 300  
SE Rated 200 amperes in Type 3R enclosure

ASCO SERIES 300SE products use two types of construction.



Products 400 amperes or less, utilize a single enclosure including a service (utility source) disconnect circuit breaker, as well as the power transfer switch, grounding and bonding provisions.

Products 600 amperes and above, utilize a multi-section switchboard construction including a service equipment section containing the service (utility source) disconnect circuit breaker, grounding, and bonding provisions. A second section contains the power transfer switch.

**To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:**

J	03AUS	B	3	0600	N	GX	C
Frame	Product Type	Neutral Code	Phase Poles	Ampere Ratings	Voltage Code	Controller Code	Enclosure
D = 70 - 225 Amp	03AUS = Automatic	A = Solid Neutral	2	0070, 0100, 0150, 0200, 0225 <sup>4</sup> , 0250 <sup>4</sup> ,	A <sup>1</sup> = 115 B <sup>1</sup> = 120 C = 208 D = 220 E = 230 F = 240 H = 380 J = 400 K = 415 L = 440 M = 460 N = 480 P = 550 Q = 575 R = 600	G = No Optional Accessories GX = Optional Accessories	C = Type 1 (Standard) M = Type 3R Secure Double Door N = Type 4 <sup>2</sup> Secure Double Door P = Type 4X <sup>5, 8</sup> Secure Double Door 304 SS Q = Type 12 <sup>2</sup> Secure Double Door R = Type 3RX <sup>5, 6</sup> Secure Double Door 316 SS S = Type 3RX <sup>5, 6</sup> Secure Double Door 304 SS V = Type 4X <sup>5, 8</sup> Secure Double Door 316 SS
J = 150 - 600 <sup>7</sup> Amp	03NUS = Non-Automatic	B = Switched Neutral	3	0400, 0600, 0800, 1000, 1200, 1600, 2000, 2500, 3000			
H = 800 - 1200 Amp	3ADUS = Automatic Delayed Transition						
G = 1600 - 3000 Amp	3NDUS = Non-Automatic, Delayed Transition						

- Notes:**
- 115-120 volt available 150-400 amperes for 3AUS, 3NUS only.
  - Available for 70-1600 amperes, use type 3R for 2000-3000 ampere applications.
  - A solid neutral is provided as standard.
  - 200, 225 ampere rated switches suitable for use with copper cable only. Refer to paragraph 310.15 of the NEC for additional information.
  - Type 316 stainless steel is the standard. It provides an improved reduction in corrosion of salt and some chemicals. It is the preferred choice for marine environments.
  - Available only on switches rated 1600, 2000, 2500 and 3000 amperes.
  - J 150-225 ampere for Series 3ADUS/3NDUS only.
  - Available only on switches rated 70 - 1600 amperes.

**ASCO SERIES 300SE Power Transfer Switch Dimensions and Shipping Weights**

**UL Type 1 Enclosure<sup>4</sup>**

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, in. (mm)			Approx. Shipping Weight, Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	410 (189)
	3	A	36 (914)	48 (1219)	13 (330)	410 (189)
	3	B	36 (914)	48 (1219)	13 (330)	430 (198)
150, 200, 225, SERIES 3ADUS/3NDUS Only	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	408 (188)
	3	A	36 (914)	48 (1219)	13 (330)	408 (188)
	3	B	36 (914)	48 (1219)	13 (330)	420 (193)
250 <sup>1</sup> , 400 <sup>1</sup>	2	A	42 (1067)	48 (1219)	15.5 (394)	420 (193)
	2	B	42 (1067)	48 (1219)	15.5 (394)	430 (198)
	3	A	42 (1067)	48 (1219)	15.5 (394)	430 (188)
	3	B	42 (1067)	48 (1219)	15.5 (394)	450 (207)
600 <sup>1</sup>	2	A	38 (965)	91 (2311)	28 (711)	860 (396)
	2	B	38 (965)	91 (2311)	28 (711)	870 (401)
	3	A	38 (965)	91 (2311)	28 (711)	870 (401)
	3	B	38 (965)	91 (2311)	28 (711)	880 (405)
800 <sup>1</sup>	2	A	38 (965)	91 (2311)	28 (711)	1460 (673)
	2	B	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	A	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	B	38 (965)	91 (2311)	28 (711)	1480 (682)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	A	38 (965)	91 (2311)	48 (1218)	1460 (673)
	2	B	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	A	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	B	38 (965)	91 (2311)	48 (1218)	1480 (682)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	A	38 (965)	91 (2311)	48 (1218)	1580 (727)
	3	B	38 (965)	91 (2311)	48 (1218)	1680 (773)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	A	38 (965)	91 (2311)	72 (1829)	4590 (2111)
	3	B	38 (965)	91 (2311)	72 (1829)	4690 (2157)

- Notes:**
- Unit is designed for top and bottom cable entry for all services and load.
  - Enclosures for 600 - 3000 amps are freestanding.
  - A space heater accessory 44G is required with all service entrance (Type 3R) switches to help reduce condensation and protect the circuit breaker. It is recommended when environmental enclosures (Type 4, 12) are ordered for installation outdoors. See Optional Accessories page for space heater options (acc. 44G).
  - Dimensional data is approximate and subject to change. Certified dimensions available upon request.

**UL Type 3R Enclosure<sup>4</sup>**

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, in. (mm)			Approx. Shipping Weight, Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	16 (406)	500 (232)
	2	B	36 (914)	48 (1219)	16 (406)	520 (241)
	3	A	36 (914)	48 (1219)	16 (406)	520 (241)
	3	B	36 (914)	48 (1219)	16 (406)	530 (246)
150, 200, 225, SERIES 3ADUS/3NDUS Only	2	A	41 (1041)	95.5 (2424)	33 (838)	500 (232)
	2	B	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	B	41 (1041)	95.5 (2424)	33 (838)	530 (246)
250 <sup>1</sup> , 400 <sup>1</sup>	2	A	42 (1067)	48 (1219)	15.5 (394)	500 (232)
	2	B	42 (1067)	48 (1219)	15.5 (394)	520 (241)
	3	A	42 (1067)	48 (1219)	15.5 (394)	520 (241)
	3	B	42 (1067)	48 (1219)	15.5 (394)	530 (246)
600 <sup>1</sup>	2	A	38 (965)	91 (2311)	28 (711)	1200 (555)
	2	B	38 (965)	91 (2311)	28 (711)	1220 (564)
	3	A	38 (965)	91 (2311)	28 (711)	1220 (564)
	3	B	38 (965)	91 (2311)	28 (711)	1240 (574)
800 <sup>1</sup>	2	A	38 (965)	91 (2311)	28 (711)	1520 (703)
	2	B	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	A	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	B	38 (965)	91 (2311)	28 (711)	1580 (731)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	A	38 (965)	91 (2311)	48 (1218)	1520 (703)
	2	B	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	A	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	B	38 (965)	91 (2311)	48 (1218)	1580 (731)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	A	38 (965)	91 (2311)	48 (1218)	2200 (1018)
	3	B	38 (965)	91 (2311)	48 (1218)	2240 (1036)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	A	38 (965)	91 (2311)	72 (1829)	5280 (2479)
	3	B	38 (965)	91 (2311)	72 (1829)	5380 (2475)

- Notes:**
- Standard warranty is (24) months, 2 years from date of shipment, extended warranty is in addition to the two years, for a total of 3, 4 or 5 years, except where the warranty period for the circuit breaker shall be limited to 24 months from date of shipment from ASCO.
  - Refer to Publication 3223 for warranty terms and conditions.

**SERIES 300SE External Power Connections**  
SIZES UL-Listed Solderless Screw-Type Terminals

Switch Rating	Ranges of AL-CU Wire Sizes
70, 100, 150, 200 <sup>2</sup> , 225 <sup>2</sup>	One #14 to 4/0 AWG
150 <sup>3</sup> , 200 <sup>3</sup> , 225 <sup>3</sup> , 250, 400	One #4 AWG to 600 MCM Two 1/0 to 250 MCM
600	Two 1/0 to 600 MCM
800, 1000, 1200	Four 1/0 to 600 MCM
1600, 2000	Six 1/0 to 600 MCM
2500	Twelve 3/0 to 750 MCM
3000	Twelve 3/0 to 750 MCM

- Notes:**
- All Series 300SE switches are furnished with a solid neutral plate (unless switched neutral configuration is specified) and terminal lugs.
  - 200 and 225 ampere rated switches for use with copper cable only. Refer to paragraph 310.15 of the NEC for all additional information.
  - J 150-225 ampere for Series 3ADUS/3NDUS only.
  - Use wire rated 75 degrees minimum for all power connections.
  - Refer to the outline drawing for maximum power cable connections for circuit breaker.

**Extended Warranties for SERIES 300SE Transfer Switches (3AUS/3NUS/3ADUS/3NDUS)**

Description
1 Year Extension (Total of 3 Years)
2 Year Extension (Total of 4 Years)
3 Year Extension (Total of 5 Years)

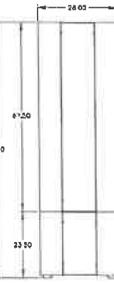
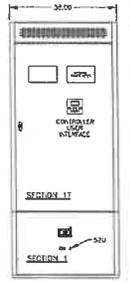
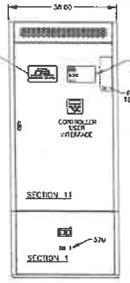
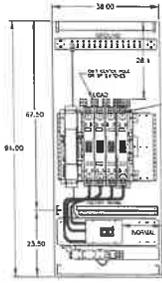
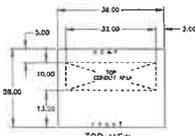
- Notes:**
- Standard warranty is (24) months, 2 years from date of shipment, extended warranty is in addition to the two years, for a total of 3, 4 or 5 years, except where the warranty period for the circuit breaker shall be limited to 24 months from date of shipment from ASCO.
  - Refer to Publication 3223 for warranty terms and conditions.

**SERIES 300SE AIC Breaker Rating<sup>1</sup>**

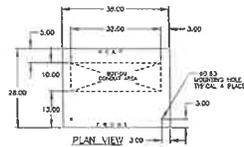
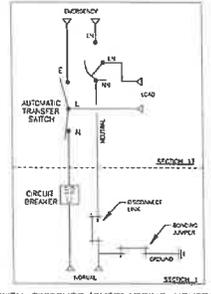
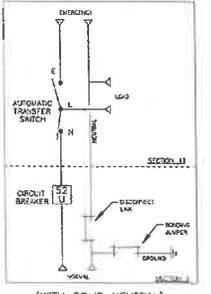
Switch Rating	AIC Rating (KA)	Voltage
70, 100, 150, 200, 225	25,000	480
150, 200, 225 SERIES 3ADUS/3NDUS Only	35,000	480
250, 400, 600	35,000	480
800	65,000	480
1000, 1200	50,000	480
1600, 2000	65,000	480
2500, 3000	100,000	480

- Notes:** 1. Refer to Series 300 Publication 1195 for switch ratings.

8 7 6 5 4 3 2 1



ONE LINE DIAGRAMS



GENERAL NOTES

- TYPE 1 ENCLOSURE, FREE STANDING, FLOOR MOUNTED, 600V, 480V, 208V, 240V, 277V, 480Y/277V, 208Y/120V, 240Y/138V, 277Y/161V.
- ALL DOORS HAVE LOCKING HANDLE WITH COVENOR KEYS AND CHIPS. KEYS ARE NOT TO BE USED FOR OTHER PURPOSES.
- FRONT AND REAR DOORS HAVE EGRESS ELECTROSTATIC PROOFING.
- RECOMMENDED CLEARANCES:
  - FRONT: 36 INCHES
  - REAR: 36 INCHES
- ALL BUS IS SILVER-PLATED COPPER, BASED ON 1000A PER 50 IN. LENGTH.
- ALL BUS WITH NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS A ONE OF THE FOLLOWING TYPES AS SPECIFIED BY THE CUSTOMER:
  - A. SOLID COPPER BUS (ELECTROSTATIC PROOFING STRAPPED ON INSULATED)
  - B. COPPER-CLAD ALUMINUM BUS
  - C. COPPER-CLAD ALUMINUM BUS (NOT AVAILABLE ON 2000/3000/4000/5000/6000/7000/8000/9000/10000/12000/15000/20000/25000/30000/40000/50000/60000/70000/80000/100000/120000/150000/200000/250000/300000/400000/500000/600000/700000/800000/1000000/1200000/1500000/2000000/2500000/3000000/4000000/5000000/6000000/7000000/8000000/10000000/12000000/15000000/20000000/25000000/30000000/40000000/50000000/60000000/70000000/80000000/100000000/120000000/150000000/200000000/250000000/300000000/400000000/500000000/600000000/700000000/800000000/1000000000/1200000000/1500000000/2000000000/2500000000/3000000000/4000000000/5000000000/6000000000/7000000000/8000000000/10000000000/12000000000/15000000000/20000000000/25000000000/30000000000/40000000000/50000000000/60000000000/70000000000/80000000000/100000000000/120000000000/150000000000/200000000000/250000000000/300000000000/400000000000/500000000000/600000000000/700000000000/800000000000/1000000000000/1200000000000/1500000000000/2000000000000/2500000000000/3000000000000/4000000000000/5000000000000/6000000000000/7000000000000/8000000000000/10000000000000/12000000000000/15000000000000/20000000000000/25000000000000/30000000000000/40000000000000/50000000000000/60000000000000/70000000000000/80000000000000/100000000000000/120000000000000/150000000000000/200000000000000/250000000000000/300000000000000/400000000000000/500000000000000/600000000000000/700000000000000/800000000000000/1000000000000000/1200000000000000/1500000000000000/2000000000000000/2500000000000000/3000000000000000/4000000000000000/5000000000000000/6000000000000000/7000000000000000/8000000000000000/10000000000000000/12000000000000000/15000000000000000/20000000000000000/25000000000000000/30000000000000000/40000000000000000/50000000000000000/60000000000000000/70000000000000000/80000000000000000/100000000000000000/120000000000000000/150000000000000000/200000000000000000/250000000000000000/300000000000000000/400000000000000000/500000000000000000/600000000000000000/700000000000000000/800000000000000000/1000000000000000000/1200000000000000000/1500000000000000000/2000000000000000000/2500000000000000000/3000000000000000000/4000000000000000000/5000000000000000000/6000000000000000000/7000000000000000000/8000000000000000000/10000000000000000000/12000000000000000000/15000000000000000000/20000000000000000000/25000000000000000000/30000000000000000000/40000000000000000000/50000000000000000000/60000000000000000000/70000000000000000000/80000000000000000000/100000000000000000000/120000000000000000000/150000000000000000000/200000000000000000000/250000000000000000000/300000000000000000000/400000000000000000000/500000000000000000000/600000000000000000000/700000000000000000000/800000000000000000000/1000000000000000000000/1200000000000000000000/1500000000000000000000/2000000000000000000000/2500000000000000000000/3000000000000000000000/4000000000000000000000/5000000000000000000000/6000000000000000000000/7000000000000000000000/8000000000000000000000/10000000000000000000000/12000000000000000000000/15000000000000000000000/20000000000000000000000/25000000000000000000000/30000000000000000000000/40000000000000000000000/50000000000000000000000/60000000000000000000000/70000000000000000000000/80000000000000000000000/100000000000000000000000/120000000000000000000000/150000000000000000000000/200000000000000000000000/250000000000000000000000/300000000000000000000000/400000000000000000000000/500000000000000000000000/600000000000000000000000/700000000000000000000000/800000000000000000000000/1000000000000000000000000/1200000000000000000000000/1500000000000000000000000/2000000000000000000000000/2500000000000000000000000/3000000000000000000000000/4000000000000000000000000/5000000000000000000000000/6000000000000000000000000/7000000000000000000000000/8000000000000000000000000/10000000000000000000000000/12000000000000000000000000/15000000000000000000000000/20000000000000000000000000/25000000000000000000000000/30000000000000000000000000/40000000000000000000000000/50000000000000000000000000/60000000000000000000000000/70000000000000000000000000/80000000000000000000000000/100000000000000000000000000/120000000000000000000000000/150000000000000000000000000/200000000000000000000000000/250000000000000000000000000/300000000000000000000000000/400000000000000000000000000/500000000000000000000000000/600000000000000000000000000/700000000000000000000000000/800000000000000000000000000/1000000000000000000000000000/1200000000000000000000000000/1500000000000000000000000000/2000000000000000000000000000/2500000000000000000000000000/3000000000000000000000000000/4000000000000000000000000000/5000000000000000000000000000/6000000000000000000000000000/7000000000000000000000000000/8000000000000000000000000000/10000000000000000000000000000/12000000000000000000000000000/15000000000000000000000000000/20000000000000000000000000000/25000000000000000000000000000/30000000000000000000000000000/40000000000000000000000000000/50000000000000000000000000000/60000000000000000000000000000/70000000000000000000000000000/80000000000000000000000000000/1000000000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