



**Greenville  
County**

**COMMUNITY PROJECT ACCOUNT**  
(Small, De Minimus Public Projects)

**APPLICATION**

1) Name of Project: Donaldson Center F.D. Standby Generator

Check Project Type:

**Nonrecurring community requests for infrastructure:**

Flooding

Roads

Lights

Sewer and drainage

**Public buildings and grounds**

Infrastructure related studies

**Contributions to local governments in Greenville County for community projects**

2) Amount of Funds Requested: \$9986.72

3) Project Sponsor

Organization: Donaldson Center F.D.

Mailing Address: 2291 Perimeter Rd

Greenville, S.C.

4) Contact Person:

Name J.R. Boyce

Title Fire Chief

Telephone 864-277-1429

Alt. Telephone No. \_\_\_\_\_

Email dcfdchiefjrb@hotmail.com

Fax No. 864-277-0110

Council Representative(s) BOB TAYLOR- LIZ Seman, Butch KIRVEN

5) Project Timeline ~ Beginning: 9-17-2013  
MONTH/DAY/YEAR

Ending: 11-29-2013  
MONTH/DAY/YEAR

6) Date Funds are Needed: 9-27-2013

7) Location of Project: Donaldson Center F.D.

8) Project Description: (Attach additional pages if necessary)

a. General Description: Installation of acquired generator for emergency power to F.D. Headquarters station. \_\_\_\_\_

b. Benefit project will provide the Community:

This generator will provide fully operational power for the fire station during the event of inclement weather conditions or unexpected power outages for the continued protection of SCTAC and the surrounding area.

c. Additional Comments: The generator was donated by Cytec Carbon Fibers. The funds are necessary for the installation of the equipment. \_\_\_\_\_

9) Project Budget:

a. Total Project Budget including all sources of funds: \$ 42,326.72

b. Percent request equals of the total Project Budget? 23.5%

List below all funding sources for this project:

Funding Source	Amount
75KW 400W Gas Caterpillar generator(Cytec Carbon Fibers donated)	\$30,000.00
Wire, conduit, gas piping & connections, cement, man hours	\$2,440.00
Transfer switch & associated equipment	\$9,886.72
TOTAL:	\$42,326.72

  
Signed

9-3-13  
Date

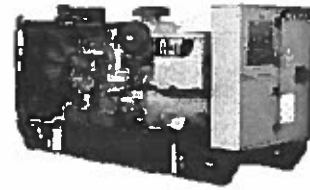
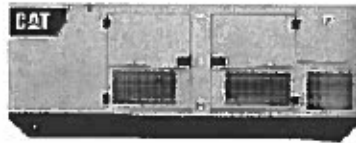
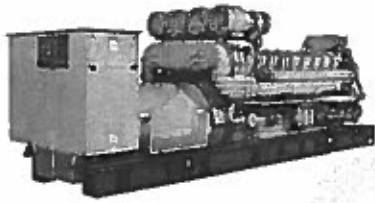
Chief  
Title

**Blanchard**  
POWER SYSTEMS



# We Provide Power for Living™

Quote #: JD0299



## MADE IN S.C.

SOUTH CAROLINA MANUFACTURERS ALLIANCE

*Donaldson Fire Dept*

*09/03/2013*

*Prepared by:*

*Jerad Dunlap*

*O: (803) 926-4225*

*C: (803) 429-5079*

**THIS QUOTATION INCLUDES AND IS SUBJECT TO ALL THE PROVISIONS ON THE REVERSE HEREOF. PRICES QUOTED ARE GUARANTEED FOR 30 DAYS FROM THE DATE OF THE PROPOSAL.**

PLEASE REVIEW YOUR SPECIFICATIONS TO BE SURE THAT THE APPARATUS DESCRIBED ABOVE MEETS YOUR REQUIREMENTS. This quotation covers such apparatus as described herein and does not constitute a job proposal. Reference herein to a job name or a job number does not institute a representation or warranty that such apparatus meets any particular specification. Thank you for your request and for your consideration of this quotation.

**Plus all applicable state and local taxes.** Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Deliveries are subject to occurrences beyond our control.

**Columbia**  
3151 Charleston Hwy  
W. Columbia, SC 29172  
803.791.7100 tel  
803.791.9874 fax

**Greenville**  
6755 Frontage Rd  
Greenville, SC 29605  
864.672.0500 tel  
864.672.0501 fax

**Florence**  
3031 Caterpillar Lane  
Florence, SC 29506  
843.678.8520 tel  
843.678.8538 fax

**Rock Hill**  
3777 Lazy Hawk Rd  
Rock Hill, SC 29730  
803.324.9600 tel  
803.324.9710 fax

**Myrtle Beach**  
2334 Chestnut Road  
Longs, SC 29568  
843.399.1692 tel  
843.399.2092 fax

**Summerville**  
153 Farmington Drive  
Summerville, SC 29483  
843.871.2001 tel  
843.285.2854 fax

[http://www.blanchardmachinery.com/power\\_systems/](http://www.blanchardmachinery.com/power_systems/)



**MADE IN S.C.**  
SOUTH CAROLINA MANUFACTURERS ALLIANCE

Quote #: JD0299

**(1) Caterpillar Automatic Transfer Switch:**

- 400amp
- 120/208v,
- 3 Phase
- Open Transition
- MX 150 Controller
- Programmable Exerciser
- NEMA 3R Enclosure

**Total Cost for (Excluding Sales Tax): \$6,700**

**Notes:**

Current factory lead time, *per approved submittals*, 8-10 weeks.

Scope of supply is limited to items listed in quotation.

Offloading, setting, installation, assembly, wiring, piping, exhaust insulations and fueling provided by others.

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Thank you for your request and for your consideration of this quotation.

ACCEPTANCE: \_\_\_\_\_ DATE \_\_\_\_\_

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Quote #: JD0299

**Terms and Conditions**

Blanchard Machinery Company, a corporation having its principal office at 3151 Charleston Highway, West Columbia, SC 29172 with a mailing address of P.O. Box 7517, Columbia, SC 29202 (hereinafter called "SELLER") hereby sales to the identified CUSTOMER and the CUSTOMER hereby purchases from the SELLER the personal property described and in consideration of which SELLER and CUSTOMER do hereby covenant and agree in this Order Acknowledgement as follows:

**COMPLIANCE WITH LAWS**

This order shall be governed by the laws of the state of South Carolina. Buyer shall fully comply with all applicable federal, state or local laws, rules, regulations, or ordinances and shall hold Buyer harmless from any liability resulting from failure of such compliance.

**CONTINGENCIES**

This order is contingent upon credit approval. This order acknowledgement is conditioned upon and subject to the Customer maintaining the financial creditworthiness required for payment.

**PAYMENT TERMS**

Unless otherwise specified herein, payment of an undisputed amount of an invoice shall be made within thirty (30) days after the invoice.

**FINANCE CHARGE**

Amounts payable, which are not paid within 30 days of the due date, shall be subject to a Finance Charge computed on such account balance by a "Periodic Rate" equal to 18% per annum or, if less, the highest rate permitted by law.

**INSURANCE**

CUSTOMER assumes and shall bear the entire risk of loss of and damage to the EQUIPMENT from any and every cause whatsoever as of the date the EQUIPMENT is delivered to CUSTOMER.

CUSTOMER shall indemnify and save Seller harmless from and against any and all damage or injury to or loss of EQUIPMENT or any part thereof and from and against any and all claims, damages, judgments, and liability whatsoever occasioned by or resulting from the use, operations, possession, or transportation of EQUIPMENT. The amount of damage for any loss of or injury to EQUIPMENT shall be based upon the then actual reasonable market value.

**CONDITION UPON DELIVERY**

CUSTOMER shall be conclusively presumed to have accepted the EQUIPMENT in the condition existing at the time of delivery hereunder unless within forty-eight (48) hours thereafter, CUSTOMER shall notify SELLER of any actual existing defects and of CUSTOMER'S refusal to accept the EQUIPMENT in its then condition. Thereupon, SELLER, if it shall so elect, without liability to CUSTOMER, may arrange to correct any such defect of the EQUIPMENT.

**WARRANTIES DISCLAIMER OF WARRANTIES**

BLANCHARD MACHINERY CO., THE SELLER, EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE CONDITION OR PERFORMANCE OF THE EQUIPMENT, ITS MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR WITH RESPECT TO THE FREEDOM OF CLAIMS OF ANY PERSON BY WAY OF INFRINGEMENT OR THE LIKE. SELLER SHALL HAVE NO LIABILITY TO CUSTOMER FOR ANY CLAIM, LOSS OR DAMAGE OF ANY KIND OR NATURE WHATSOEVER, INCLUDING CLAIMS ARISING OUT OF OR IN CONNECTION WITH (i) ANY DEFICIENCY OR INADEQUACY OF THE EQUIPMENT FOR ANY PURPOSE, (ii) ANY DEFICIENCY OR DEFECT IN THE EQUIPMENT, (iii) THE USE OR PERFORMANCE OF THE EQUIPMENT, OR (iv) ANY LOSS OF BUSINESS OR OTHER CONSEQUENTIAL LOSS OR DAMAGE.

**INDEMNIFICATION**

Except for the gross negligence or willful misconduct of the SELLER or its assignees, CUSTOMER, shall and does agree to indemnify, protect, defend, save and keep harmless SELLER and its assignee(s) from and against any and all liabilities, obligations, losses, damages, penalties, claims, actions, suits, costs, or expenses of any kind and nature whatsoever, including but not limited to attorney's fees, including without limitation, attorney's fees in connection with the enforcement of this indemnification, which may be imposed upon, incurred by or asserted against the SELLER or its assignee(s) in any way relating to or arising out of this sale, possession, use, taxation, condition or operation of, or any accident involving, the EQUIPMENT (including, without limitation, those claims based on latent and other defects, whether or not discoverable, or claims based on strict liability arising out of CUSTOMER'S possession, use, condition or operation of the EQUIPMENT).

**COMPLIANCE BY CUSTOMER UNDER LAWS RELATED TO GOVERNMENT CONTRACTS**

The CUSTOMER agrees, that to the extent applicable to this Sale, unless exempted by federal law, regulation or order, to comply with Federal statutes, Executive Orders, and implementing regulations, including the provisions of 29 CFR Part 470 relating to government contractors and subcontractors regarding equal employment opportunity, affirmative action, the employment of veterans and the handicapped and the utilization of minority or female-owned business enterprises.

**NON-WAIVER**

Failure of SELLER to insist on strict performance of any of the covenants or agreements set forth herein shall not be construed to be a waiver of any such or other covenants or agreements, and the same shall remain in full force and effect.

**ENTIRE AGREEMENT**

This Order constitutes the entire agreement between SELLER and CUSTOMER, and no oral agreement, guaranty, promise, condition, or representation heretofore, made or claimed to have been made by SELLER shall be binding upon SELLER unless herein expressly stated.

ACCEPTANCE \_\_\_\_\_

DATE \_\_\_\_\_

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**Summerville**

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843.871.2001 tel  
843.285.2854 fax



Attn: Eddie -  
Thanks Jeff -

Address all Orders and Replies To :

PL&E Sales  
200 E. Woodlawn Road  
Suite 116  
Charlotte, NC 28217  
Fax.No:525-1003

JOB NAME & QUOTATION NO : Untled Elec 083013 & E1-13-101307-1-1

To

Date : 08/30/2013

Jeff Slaughter  
United Electrical Dist  
2 Skyview Drive  
Greenville, SC 29602  
Tel No : (864) 235-0255  
Fax No :

Proposal No:	E1-13-101307-1-1
Reference :	

**SUBJECT:** Quotation for Untled Elec 083013

We are pleased to offer you our quotation E1-13-101307-1-1 in response to your inquiry

Prices are provided for ASCO Products. Quoted prices will be valid for 30 days from date of quotation.

#1	ATS	AMPS : 0400	QTY : 1
Bulletin Number	: Series 300 Transfer Switches	Catalog Number	: E03AUS030400C10M
Service Voltage / Hz	: 208V/60Hz	Optional Accessories	:
By-pass Isolation	: Not Applicable	Product Description	: Series 300 Service Entrance
No. of Switched Poles	: 3	Neutral Configuration	: Solid [A]
Withstand Rating A @ 480V	: 0 (With Current Limiting Fuses), 0 (Specific Breaker), 35,000 (Any Breaker)	No. of Cables & Lug size	: 2, 1/0 to 250 MCM
Other Ratings May Apply. Contact ASCO for Details.		Service	: Three Phase, 4-wire
Enclosure	: 3R(M)-Type 3R secure double door enclosure	Markings	:
Extended Warranty (Years - Cost)	: Not Included		

Jeff Slaughter  
United Elect Dist  
8-30-13

LOT Price \$6,200.00  
FRT/ALLOWED -  
12 week's LEAD-TIME -



## **ASCO Series 300 - Microprocessor Control Panel**

### **Standard Operational Features, Controls and Status Indicators**

#### **Standard Selectable Features**

- Inphase monitor to transfer motor loads without any intentional off time to help prevent motor inrush currents from exceeding normal starting levels.
- Engine exerciser to automatically test engine generator each week. Includes control switch for testing with or without load.
- Selective load disconnect, double-throw contact to operate at an adjustable 0 to 20 second time delay prior to transfer and reset 0 to 20 seconds after transfer.
- 60 Hz or 50 Hz selector switch.
- Three-phase/single-phase selector switch.

#### **Pilot Lamp Indications / User Interface**

- Load connected to Normal source - Green
- Load connected to Emergency source - Red
- Normal Source available - Green
- Emergency Source available - Red
- Transfer Test
- Bypass retransfer time delay
- Set Engine Exerciser
- Engine Exerciser status - Yellow

#### **Voltage & Frequency Sensing**

- Adjustable three-phase, close differential voltage sensing on normal source.
- Normal source pickup voltage is adjustable to 95% of nominal; drop-out is adjustable from 70 to 90% of nominal.
- Frequency sensing on emergency source. Pickup at 95% and dropout at 85% of nominal.

#### **Time Delays**

- Adjustable time delay to over ride momentary normal source outages to delay all transfer switch and engine-starting signals.
- Transfer to emergency time delay. Adjustable from 0 to 5 minutes for controlled timing of load transfer to emergency.
- Retransfer to normal time delay. Adjustable to 30 minutes.
- Five-minute unloaded running time delay for emergency engine generator cool down.
- Four-second time delay to override momentary to ignore momentary voltage and frequency transients during initial genset loading.

#### **Standard Control Contacts**

- Switch position indicating contacts (rated 10 amps 250VAC, 32VDC). (1) for Normal position, (1) for Emergency position.
- Gold plated engine start contacts (rated 5 amps 28VDC or 120VAC).

#### **Remote Control Features**

- Terminal provisions for connecting:
  - Remote test switch.
  - Remote contact for test or for peak shaving applications. Circuit will be automatically bypassed if emergency source fails.
  - Inhibit transfer to emergency.



**United Electrical Distributors, Inc.**

P.O. Box 2689  
Greenville, SC 29602

Phone: 864-235-0255  
Fax: 864-233-0681

**QUOTE**

Quote Date	Expires	Authorization	Salesperson	Customer #	Terms
8/16/13			HOUSE	30010	Cash or Check
Quote #	P.O. Number	Bill of Lading	Ship Via	Pop/Cat	Shipped From
01/045535	Eddie		COUNTER	FA	Greenville, SC

Sold To C.O.D. ELECTRICAL CONTRACTOR

Ship To C.O.D. ELECTRICAL CONTRACTOR  
eddie Howard

Quantity	Our Stock #/Description/Your Part #	Unit Price	UM	Extended Price
1	LG 40107-02DU 400A METER BASE 3PH (320A) 208Y120 (NO LUGS 8 REQ/BLANK HUB)	288.19	EA	288.19
1	LG 243212CTDFIG <del>32Y243212 CT CABINET</del> 201-800AMP (LG243212CTDFIG)	245.55	EA	245.55
8	LG H60162 MECH LUG 4-600MCM LINE LUGS 40107-02DU <i>H 58022</i>	9.57	EA	76.56
		SubTotal		610.30
		Freight		
		Sales Tax		36.62
		<b>Quote Total</b>		<b>646.92</b>





## 320A Meter Mounting Equipment, Type HQ, Heavy Duty Residential/Commercial/Industrial ①②③

4 Terminal for 1 Phase, 3 Wire • 7 Terminal for 3 Phase, 4 Wire, Wye or Delta

Amp Rating Cont./Max	Type	Bypass	Service	Connectors Line	Load	Dimensions (Inches)			No. of Terminals	Hub Opening	Catalog Number
320/400	HQ-4D	Lever	OHIUG	3/8" Stud	3/8" Stud	14	28	6	4	HD CL Plate	47704-02 ⑤
<i>Approved for Carolina Power &amp; Light and Duke Power</i>											
320/400	HQ-4SWT	Lever	OHIUG	60162	56732-1	14	28	6	4	HD CL Plate	48104-82CA ④
<i>Approved for Carolina Power &amp; Light</i>											
320/400	HQ-7D	Lever	OHIUG	3/8" Stud	3/8" Stud	14	28	6	7	HD CL Plate	47707-02 ⑤
320/400	HQ-7SWD	Lever	OHIUG	3/8" Stud	3/8" Stud	20	34	6	7	HD CL Plate	48707-02
<i>Approved for Duke Power</i>											
320/400	HQ-75B	Lever	OHIUG	3/8" Stud	3/8" Stud	20	34	6	7	HD CL Plate	40107-02DU

- ① All units are UL listed.
- ② Bypass mechanism is lever-operated, jaw pressure release with 100% bypass capacity.
- ③ Disconnect sleeves should not be used with this device.
- ④ This device includes 600 MCM single or 250 MCM parallel line side lugs (60162), 350 MCM parallel load side lugs (56732-1), and 2 ground lugs.

⑤ This device does NOT include a ground lug.  
Lugs: Pages 25-26  
Accessories: Page 27



40107-02DU ✱



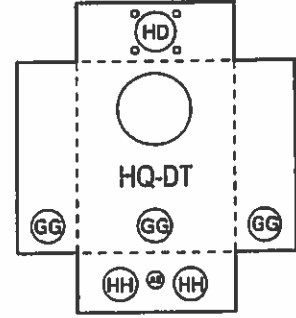
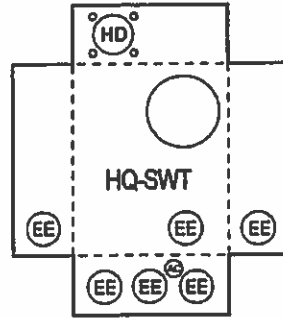
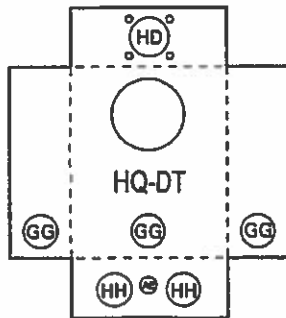
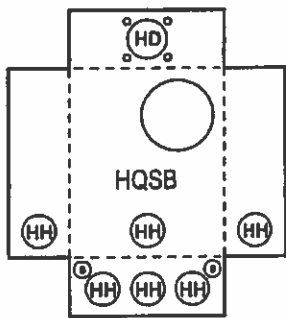
47707-02



48104-82CA  
(lugs not shown)



48707-02



KNOCKOUTS (inches):	
B:	1/2, 3/4
EE:	2, 2-1/2, 3
GG:	2-1/2, 3, 3-1/2
HH:	2-1/2, 3, 3-1/2, 4
AC:	1/4, 1/2
AE:	1/4, 1/2, 3/4, 1, 1-1/4
HD:	Ø4.281 HUB OP

### Socket Selection Guide for Duke Power Installations Over 200 Amps

- 1) Locate your amperage
- 2) Locate your voltage and phase
- 3) Choose the appropriate socket or CT cabinet catalog number

Amperage	Voltage	Phase	Socket Cat. No.	CT Cabinet No.
201-400 Amps	120/240V	1	48104-82CA	N/A
201-400 Amps	120/208V	3	40107-02DU	N/A
201-800 Amps	277/480V	3	Contact Duke Power	LG243212CTDPIG
801-1200 Amps	277/480V	3	Contact Duke Power	LG404014CTDDP2G

FYI:

A) Any installation 277V and higher must use CT cabinets and Duke Power supplied meter base.  
 B) 400 Amp installations 1 and 3 phase, 240V and below will use 320 Amp continuous meter bases.  
 C) Any installation over 400 Amps (including 600 Amps) will no longer use K base metering.



**GREENVILLE COD TRUCK SERVICE  
 ATTN DENNIS LEONARD GREENVILLE COD  
 TRUCK SHOP DO NOT MAIL  
 GREENVILLE SC**

# Estimate

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	EMAIL
7092000				
ESTIMATE NO.	P.O. NO.	DATE	WORK ORDER NO.	
1314683		Aug 05, 2013		
MAKE	MODEL	SERIAL NO.	UNIT NO.	HOURS
Olympian	D80F3	NGD01793		0

<b>SEGMENT: 01</b>	Olympian D80F3 Voltage swap from 480/277 to 208/120. Existing 125 amp breaker and mounting box will be removed and replaced with new 400 amp breaker and mounting box. Leads will be swapped out and new current transformers will be installed. Generator control panel will be reprogrammed to new voltage configuration.
	Segment 01 Total \$2,785.39
	<b>TOTAL ESTIMATE \$2,785.39</b>

*This estimate will expire 30 days from the estimate date.  
 Price excludes Freight Charges, Operating Supplies/EPA Fees and Overtime.  
 Terms: Net 10th.  
 Sales Taxes where applicable are not included with the above prices.  
 Customer will be notified upon teardown and/or inspection of any additional parts or labor that may be needed to complete this repair. Parts and/or Labor not covered by this estimate will be additional and a revised estimate will be given.  
 This estimate may include Remanufactured or Exchange components as noted. The core charges and credits associated with these parts will be determined by using CATERPILLAR's Core Acceptance Guidelines. Some core charges may qualify for full, partial or zero credit.*

**ESTIMATED REPAIR TIME:** \_\_\_\_\_ from start date

*"The signature is an authorization to proceed with the required repair work as described within the quote".*

Issued PO# \_\_\_\_\_, Authorized Name \_\_\_\_\_ Please Print

Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_.

\_\_\_\_\_  
Signature