



# St. Johns River

## Water Management District

Ann B. Shortelle, Ph.D., Executive Director

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4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500  
On the Internet at [www.sjrwmd.com](http://www.sjrwmd.com).

DATE: November 20, 2018  
TO: Prospective Respondents  
FROM: Pam Paulk, Sr. Procurement Specialist  
SUBJECT: Addendum #3 to Invitation for Bids 33848 – SCADA Conversion and Installation Project

As a result of inquiries from the Pre-Bid meeting onsite, the additional photos of the generators and transfer switches is being provided in Attachment A for your consideration along with the Pre-bid Sign In Sheet. Furthermore, please make all appropriate changes to your proposal documents as referenced below. Note: changes are reflected with original language shown with strike-through and new language is underlined.

### MODIFICATIONS:

1. Section III SCOPE of SERVICES if the Statement of Work, paragraph 4 shall be modified as follows:

The WRI Bureau maintains critical water level recording devices for these Flood Control systems, monitoring Upstream and Downstream levels, with both Primary and Redundant devices. All sites are to integrate all four water levels into the converted or new Campbell installations with the exception of S-161, radioed from the existing WRI equipment to the new Campbell equipment via spread spectrum radio signals.

2. Section IV. TASK IDENTIFICATION of the Statement of Work bullet #8 shall be modified as follows:

- Install receivers on the new Campbell systems at each site to accept the four water level data transmissions from the WRI spread spectrum radio equipment, with the exception of S-161.

### ADDITIONAL INFORMATION:

1. Pre-bid Sign In sheet attached.
2. Supplemental Photos for Generators and Transfer Switches at Flood Control Structures - Attachment A to this Addendum.

**NOTE:** The Bid Opening remains the same, November 28, 2018 at 2:00 PM. Please acknowledge receipt of this addendum on the BID FORM provided in the solicitation package.

If you have any questions concerning this addendum or the solicitation, please contact me at [ppaulk@sjrwmd.com](mailto:ppaulk@sjrwmd.com) or at (386) 329-4469.

**IFB 33848 Attachment A**  
**Addendum 3**  
**Supplemental Photos for Generators and transfer Switches**  
**at Flood Control Structures**

These photos are of the generators and transfer switches at the Flood Control structures, which must be integrated with new Campbell conversion work of this Contract. Some structures have generators of the same make and model, but with differing serial numbers. The following table identifies which generator type is associated with which structure.

<b>STRUCTURE</b>	<b>GENERATOR TYPE</b>
S – 96 D and S – 3	A
S – 96 C	A
S – 164	A
S – 161	B
S – 157	C
S – 96	D
S – 96 B	E
PS-4	F

## **TYPE A GENERATORS / TRANSFER SWITCHES**

TYPE A generators are in place at the S-164 structure and are the same make and model of the generators at S-96D/S-3 site and the S-96C structure.

UNBALANCED LOAD  
CAPABILITY=100% OF  
RATED CURRENT

GM20172

THIS PRODUCT INCLUDES SOME FEATURES FOR OPERATION IN  
PARALLEL WITH THE UTILITY. EACH UTILITY, FEDERAL, STATE  
AND LOCAL AUTHORITY MAY REQUIRE DIFFERENT INTERTIE  
AND PROTECTION STANDARDS. THESE FEATURES HAVE NOT  
BEEN EVALUATED FOR USE WITH EACH SPECIFIC UTILITY, FEDERAL,  
STATE OR LOCAL AUTHORITIES REQUIREMENTS. CHECK ALL REGULATIONS  
AND ENSURE COMPLIANCE EVALUATIONS ARE PERFORMED AND  
APPROVALS ARE OBTAINED FROM THE UTILITY BEFORE PARALLELING.

GM87288

ETL CLASSIFIED



Intertek

Listed By:  
Intertek Testing Services NA Inc.  
Arlington Heights

**KOHLER.**

KOHLER CO. KOHLER WI, USA  
1-800-544-2444

Stationary Engine Generator Assemblies  
Model No: (See Listed Model Numbers)

Control Number: 4010723

Compliant with Clause (2) of Section  
4.1.4 of NFPA 37

GM92200

**KOHLER.**  
Power Systems

Genset Model	20RESD				
Spec Number	GM95527 - GA1				
Serial Number	SGV324JMK				
Material Number	20RESD - QS				
Service Duty	STANDBY	Amps	75	kW	18.00
Voltage	240	Phase	1	kVA	18.00
Alt Model	2F7	RPM	3600	PF	1.0
Insulation	H	Battery	12V	Hz	60
MFG Date	03/22/2017	Fuel	NAT GAS		



Stationary Engine Generator Assembly  
UL2200 Requirements are met at 25°C  
Ambient (Per UL Standard Test)

Max Fuel Flow: 287.00 KBTU/HR



\*SGU324JMK\*



AC  
OUTPUT  
POWER  
BREAKER

GM53084

GENERATOR TYPE A, PHOTO 1

# KOHLER<sup>®</sup> POWER SYSTEMS

Proper maintenance will extend the life of this product.  
Please refer to your operation manual or contact your local dealer.

For the nearest KOHLER authorized installation,  
service and sales dealer in the US and Canada:  
Call: 1-800-544-2444 or visit KohlerSmartPower.com

Date: 15 Nov 2018



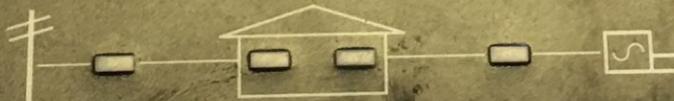
OFF



AUTO



RUN



GENERATOR TYPE A, PHOTO 2

# KOHLER®

SUPPLEMENTAL EMISSIONS LABEL

## EMISSION CONTROL INFORMATION

THIS ENGINE COMPLIES WITH US EPA REGS FOR 2016 STATIONARY ENGINES. USE IN CONSTANT SPEED EMERGENCY APPLICATIONS ONLY.

FAMILY GKHXB.9992DA  
MODEL NO. CH1000EP DISPL (CC) 999  
SPEC NO. CH1000-3011  
SERIAL NO. 4634705141  
BUILD DATE 12/12/2016  
ECS EM

CN FAMILY G20D83S09992NA  
CN TYPE APP CN FD G2 0D83 13 0003  
STANDARD: HC + NO<sub>x</sub> = 13.4 G/KW-HR,  
CO = 519 G/KW-HR

THIS ENGINE IS CERTIFIED TO OPERATE ON PIPELINE QUALITY NG. WHEN CONVERTED TO LP, THE FAMILY IS: GKHXB.9992NA

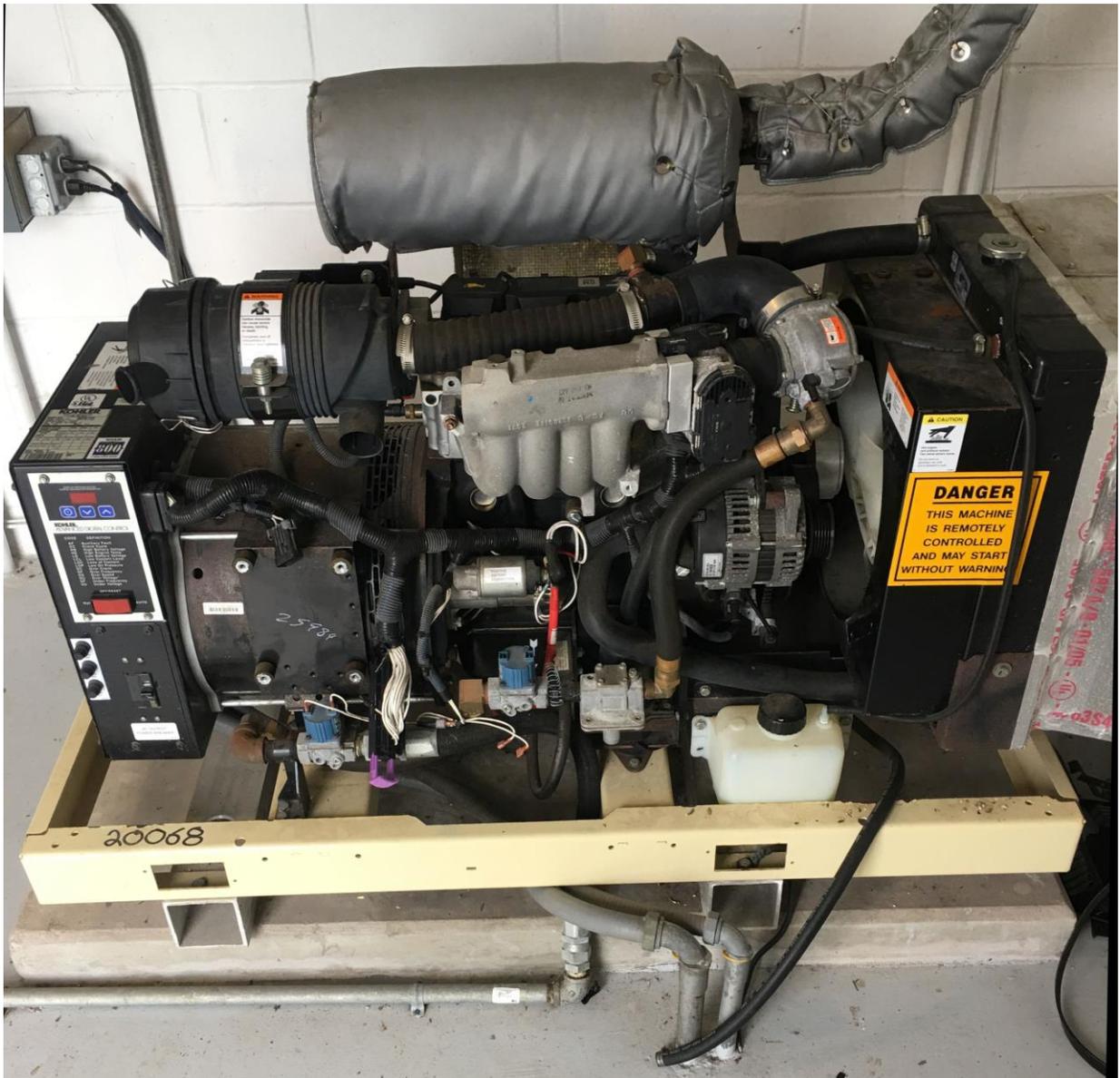
REFER TO OWNER'S MANUAL FOR SAFETY, MAINTENANCE SPECS AND ADJUSTMENTS  
1-800-544-2444 KohlerEngines.com

KOHLER CO. KOHLER, WISCONSIN USA

GENERATOR TYPE A, PHOTO 3

## **TYPE B GENERATORS / TRANSFER SWITCHES**

TYPE B generators are in place at the S-161 structure.



GENERATOR TYPE B, PHOTO 1



UNBALANCED LOAD  
CAPABILITY = 100% OF  
RATED CURRENT  
GM20172

**KOHLER**  
 KOHLER CO. KOHLER WI. USA  
 1-800-544-2444

MODEL 15RYG SERIAL 2219005  
 SPEC. GM39949-GA13 MFG DT: 08/08  
 SERVICE DUTY: STANDBY  
 HZ: 60 RPM: 1800 FUEL: LP  
 AMB: 25°C BATT. 12 V

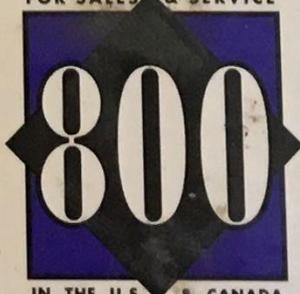
		KW	KVA	P.F.	
<b>SINGLE PHASE</b>		15.00	15.00	1.0	
<b>THREE PHASE</b>					
<b>VOLTAGE</b> (CODE)	120/240 (61) 1p	139/240 (51)	127/220 (51)	120/240 (01)	
<b>AMPS</b>	63.00				
277/480 (71)	220/380 (71)	120/208 (81)	347/600 (91)	110/220 (01)	110/190 (51)
110/220 (51) 1p	230/400 (71)	240/416 (71)			

GEN. MODEL: 4H7  
 INSUL: NEMA CLASS H

MATL: 15RYG



**KOHLER.**  
 FOR SALES & SERVICE

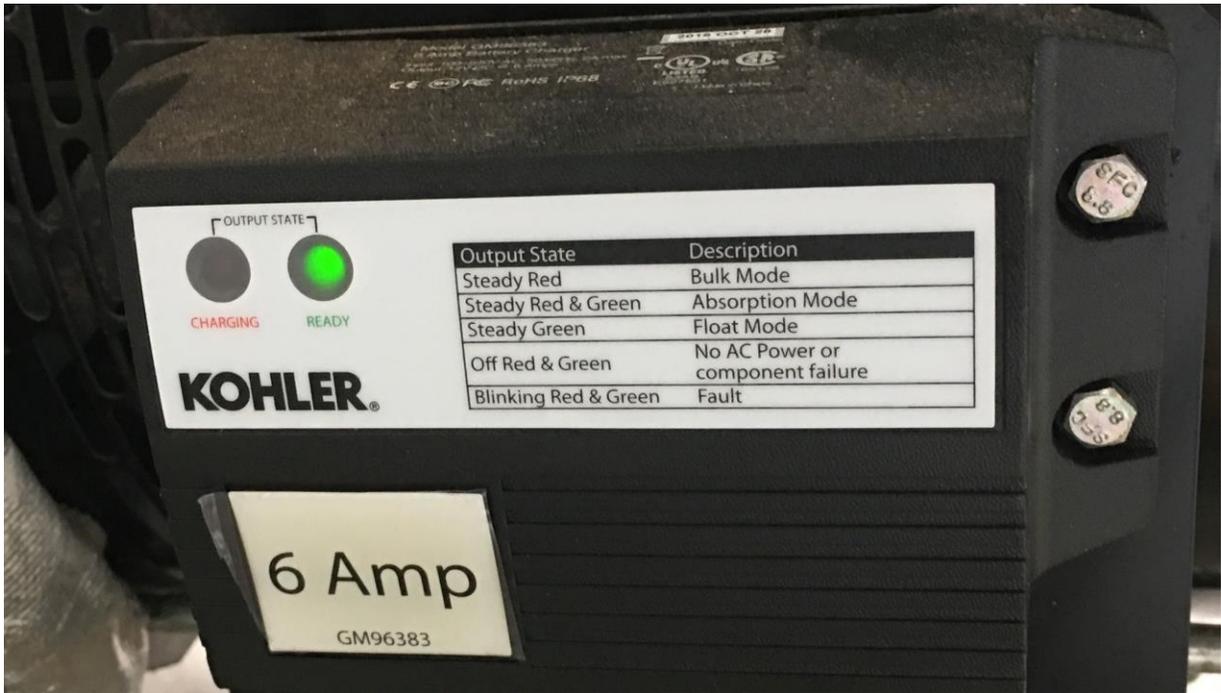


IN THE U.S. & CANADA  
 1-800-544-2444

GENERATOR TYPE B, PHOTO 3



GENERATOR TYPE B, PHOTO 4



Output State	Description
Steady Red	Bulk Mode
Steady Red & Green	Absorption Mode
Steady Green	Float Mode
Off Red & Green	No AC Power or component failure
Blinking Red & Green	Fault

**KOHLER**

6 Amp

GM96383

**GENERATOR TYPE B, PHOTO 5**



GENERATOR TYPE B, PHOTO 6

## **TYPE C GENERATORS / TRANSFER SWITCHES**

TYPE C generators are in place at the S-157 structure.

**AUTOMATIC TRANSFER SWITCH  
FOR USE ON EMERGENCY  
OR STANDBY SYSTEMS**

MODEL

LTEU 60-3/10811E

SERIAL

H790440847

VOLTS

120/240

PHASE

1

AMPS

60

WIRE

3

MOTOR

360

HZ

60

L.R. AMPS

SUITABLE FOR CONTROL OF MOTORS,  
ELECTRIC DISCHARGE LAMPS, TUNG-  
STEN FILAMENT LAMPS AND ELECTRIC  
HEATING EQUIPMENT WHERE THE SUM  
OF MOTOR FULL-LOAD AMPERE RAT-  
INGS AND THE AMPERE RATINGS OF  
OTHER LOADS DO NOT EXCEED THE  
AMPERE RATING OF THE SWITCH  
AND THE TUNGSTEN LOAD DOES  
NOT EXCEED 100 %  
OF THE SWITCH RATING

MANUFACTURED BY ONAN MPLS, MINN  
DIV OF ONAN CORPORATION  
FOR ELECT  
EQUIPMENT ONLY  
U.S.A.



99A1269

GENERATOR TYPE C, PHOTO 1

# KOHLER

MODEL 12RY62

SPEC 110558-62L

SER NO 469261

KW 12 PHASE 1

KVA HERTZ 60

ALL RATINGS AT 85°F. & 500 FT. ALT.

VOLTS 120/240 RPM 1800

AMP 50 PF 1.0

WT # BATT 12

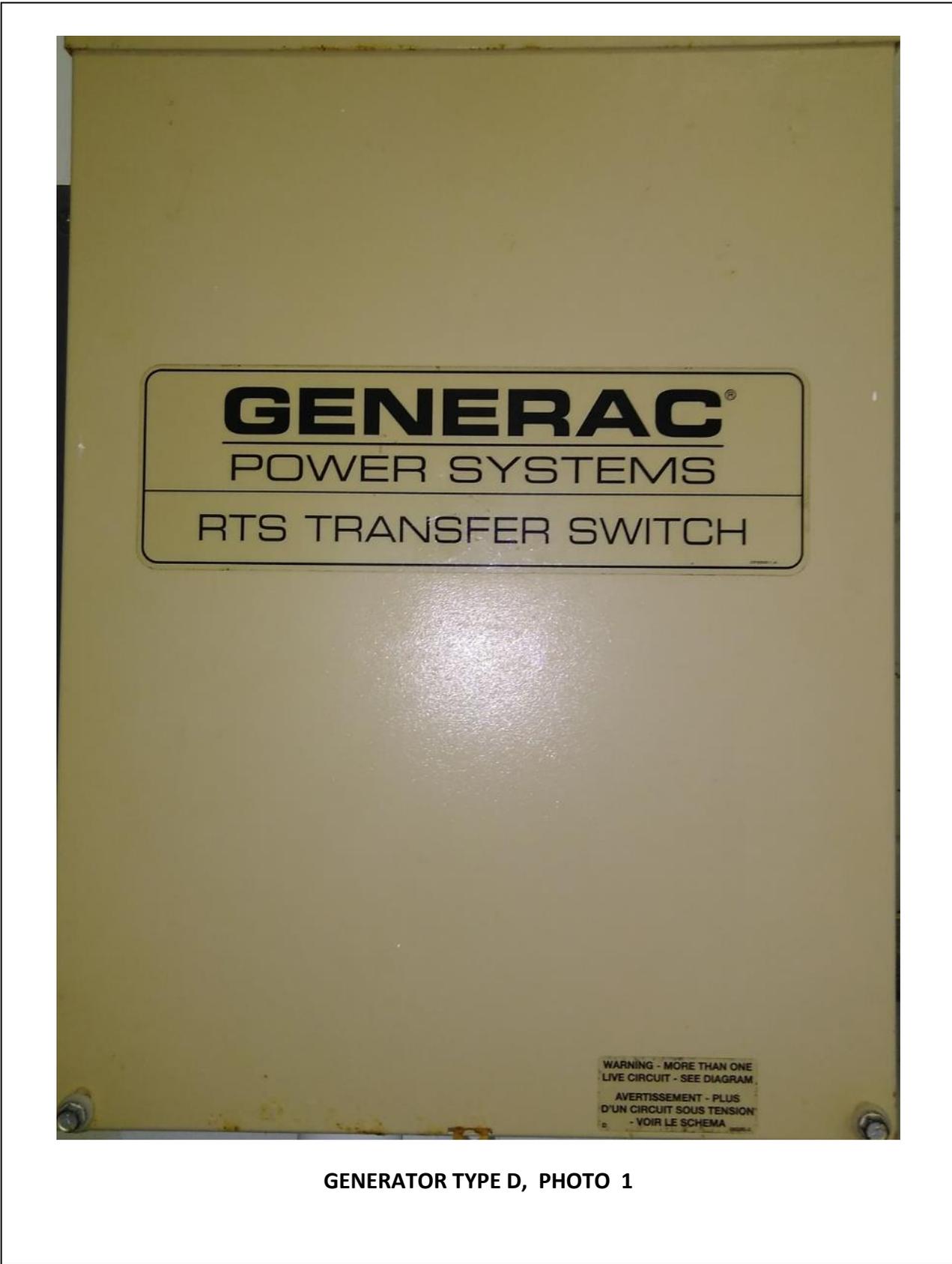
EGSMA

7 KOHLER CO. KOHLER, WIS. USA

GENERATOR TYPE C, PHOTO 2

## **TYPE D GENERATORS / TRANSFER SWITCHES**

TYPE D generators are in place at the S-96 structure.



GENERATOR TYPE D, PHOTO 1

## AUTOMATIC TRANSFER SWITCH FOR USE ON OPTIONAL STANDBY SYSTEMS

Suitable for control of motors, electrical discharge lamps, tungsten filament lamps, and electric heating equipment where the sum of the motor full-load ampere ratings and the ampere ratings of other loads do not exceed the ampere rating of the switch and the tungsten load does not exceed 30 percent of the switch rating.

### AUTOMATIC SEQUENCE

**UTILITY FAIL-** Utility voltage sensor senses when utility voltage level is below 60% of nominal. Engine start sequence is initiated after a 15 second time delay.

**ENGINE WARMUP-** Time delay to allow for engine warmup before transfer. Fixed at 10 seconds.

**TRANSFER-** Switch transfers load from utility to standby supply; occurs after standby voltage is above set levels.

**UTILITY PICKUP-** Utility voltage sensor. Voltage pickup level is 80% of nominal voltage.

**RETRANSFER-** Time delay after utility voltage supply is above pickup level before load is transferred from standby to utility. Fixed at 15 seconds.

**ENGINE COOLDOWN-** Time delay for engine no-load cooldown. Fixed at 60 seconds. System will operate automatically at the time of initial setting and every seven days after, to ensure proper operation.

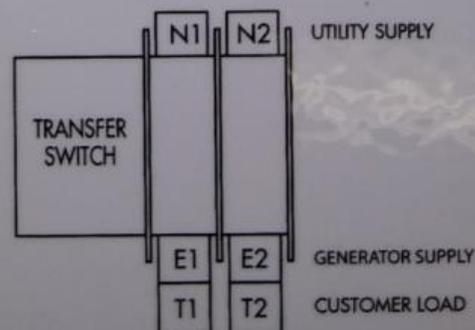
Consult Owner's Manual for further explanation of Transfer System operation and features.

Systems shall be tested periodically on a schedule acceptable to the authority having jurisdiction, to assure maintenance in proper operating condition.

Enclosure is type 3R, Rainproof, suitable for outdoor installation.

When protected by a 100 A maximum circuit breaker (Siemens types QP or BQ) or 150 ampere maximum circuit breaker (Square D Q2, Westinghouse CA-CAH, General Electric TQ2 and Siemens QJ2) this switch is suitable for use on circuits capable of delivering not more than 10,000 RMS symmetrical amperes, 250 Vac, maximum.

Connect utility, standby generator supply and customer load as shown.



Switch, Neutral and Ground tightening torque is 50 inch-pounds. Control wiring terminal connectors tightening torque is 11 inch-pounds. 077036D-G

GENERATOR TYPE D, PHOTO 2

# KOHLER

MODEL 12RY62

SPEC 11055B-62L

SER NO 469278

KW 12

PHASE 1

KVA

HERTZ 60

ALL RATINGS AT 85°F. & 500 FT. ALT.

VOLTS 120/240 RPM 2800

AMP 50

PF 1.0

WT

#

BATT 2

EGSMA

7 KOHLER CO. KOHLER, WIS. USA

GENERATOR TYPE D, PHOTO 3

## **TYPE E GENERATORS / TRANSFER SWITCHES**

TYPE E generators are in place at the S-96 B structure.

Serial No.

J890274363

LEB

**Onan**<sup>®</sup>

Model No.

12.5JC

B35252B

**IMPORTANT!**

Model & Serial No. Required When Ordering Parts.

AC Volts	120/240	Ph	1	KVA	12.5
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KW	PF	Amps	32	RPM	1800
----	----	------	----	-----	------

DCV	Amps	Watts
-----	------	-------

Time Rating	Hz	Bat.	12
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Insulation - NEMA Class	Ambient 40°C
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Options			H1	H49
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H300

Wiring Diagram No.(s)

812-5564-05

Onan Corp 1400 73rd Ave NE  
Minneapolis, MN 55432 USA

Made in USA

URC

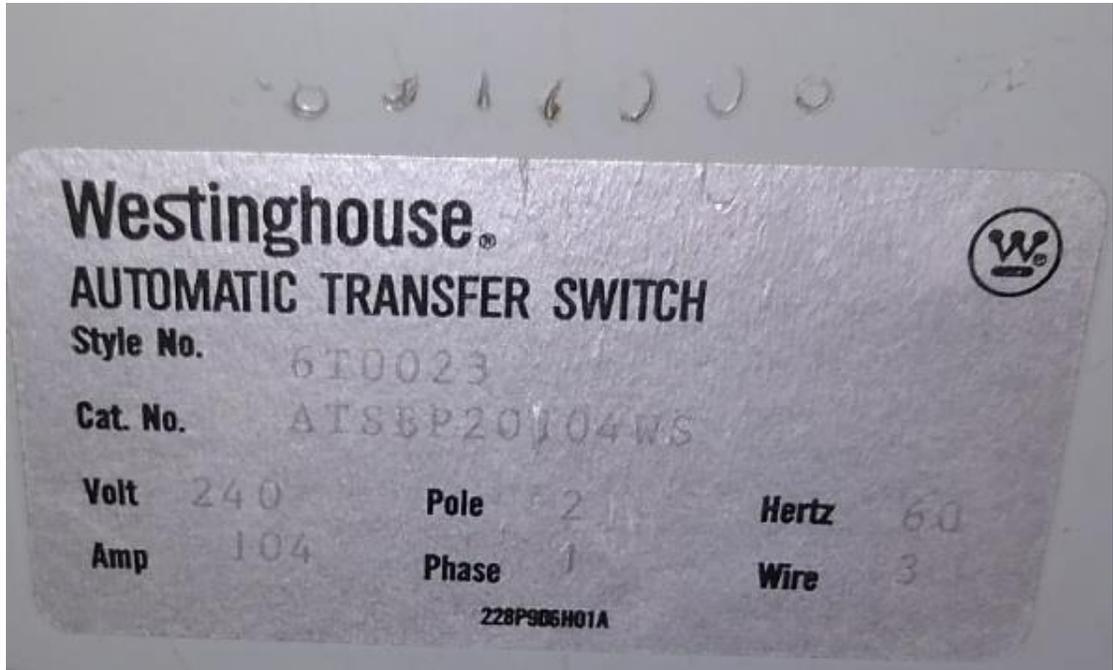


For Electrical Equipment Only  
Pour Material Electrique Seulement

Onan Corporation

URC

GENERATOR TYPE E, PHOTO 1



GENERATOR TYPE E, PHOTO 2

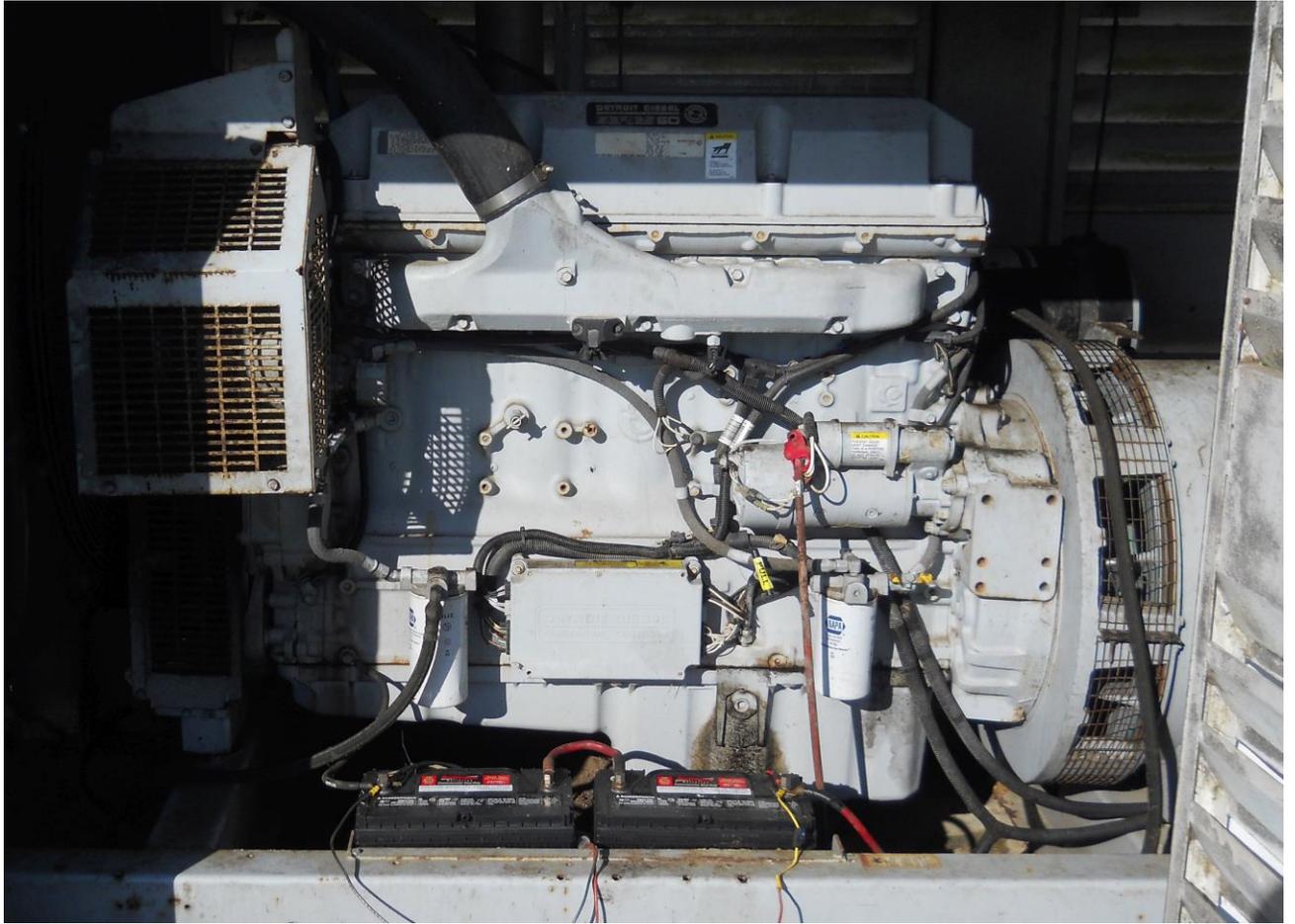
## **TYPE F GENERATORS / TRANSFER SWITCHES**

TYPE F generators are in place at the FWMA pump station \$# 4. Three generators exist at this pump station.



GENERATOR TYPE F, PHOTO 1





**GENERATOR # F-1, PHOTO 3**



**GENERATOR # F-1, PHOTO 4**

**DETROIT DIESEL**  
SPECTRUM.



SHEBOYGAN, WI 53083 U.S.A.

MODEL 350DSE SERIAL 0759347  
SPEC. GM13280-GA48 MFG DT: 04/03  
SERVICE DUTY: STANDBY  
HZ: 60 RPM: 1800 FUEL: DIESEL

		KW	KVA	P.F.	
<b>SINGLE PHASE</b>					
<b>THREE PHASE</b>		360.00	450.00	0.8	
<b>VOLTAGE</b>	120/240	139/240	127/220	120/240	
(CODE)	(61) 1p	(61)	(61)	(01)	
<b>AMPS</b>					
277/480	220/380	120/208	347/600	110/220	110/190
(71)	(71)	(81)	(91)	(01)	(51)
541.00					
110/220	230/400	240/416			
(51) 1p	(71)	(71)			

GEN. MODEL: 5M4027 BATT. 24 V  
INSUL: NEMA CLASS H 40° Amb



**DETROIT DIESEL**  
SPECTRUM.



SHEBOYGAN, WI 53083 U.S.A.

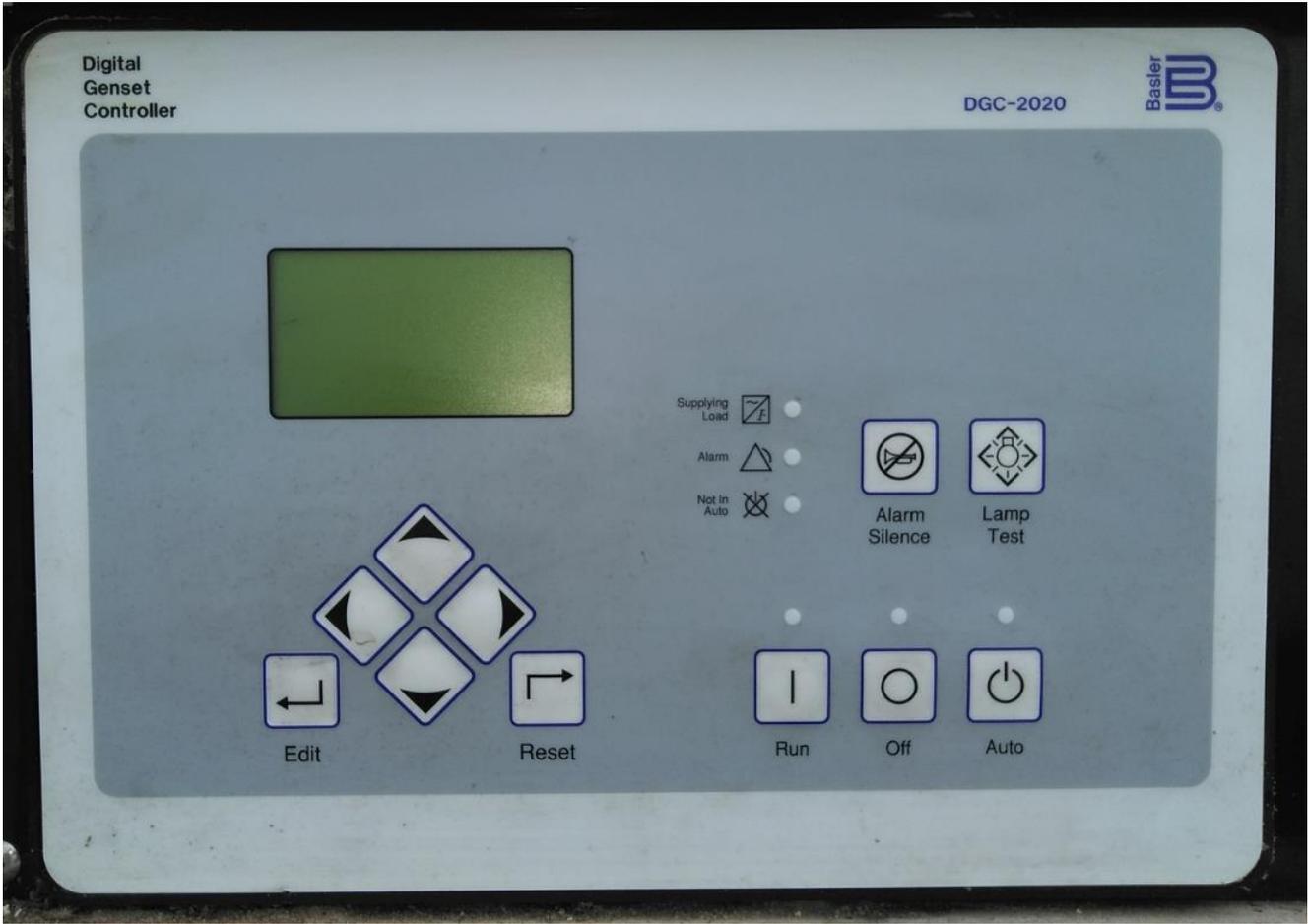
MODEL 350DSE SERIAL 0759347  
ACCESSORIES:

- 258811 Power Factor Test, 0.8, 3Ph Only
- 279989 Nameplate Rating, Standby 130C
- 292857 Safeguard Breaker
- 333708 Voltage, 60Hz, 277/480V, Wye, 3Ph, 4W
- 334177 LCB, 600A, 3P, 600V, UL, Therm Mag
- 343246 Radiator Duct Flange
- 348478 Flexible Fuel Lines
- 350277 Controller, 16 Light
- GM13278 - MA1 Unit Mounted Radiator
- GM13279 - MA1 Skid
- GM13281 - MA2 Air Intake, Standard Duty, 5M
- GM16847 - 1131 Alternator, 5M4027, 12 Lead
- GM18824 - 1135 Control & Harness, DDC S60D
- GM19874 - KA1 Decal, UL2200 Listing (Diesel)
- GM28621 - KA13 Oil in GenSet - 38 qts.
- GM28625 - KA8 Coolant in GenSet 17 gals.

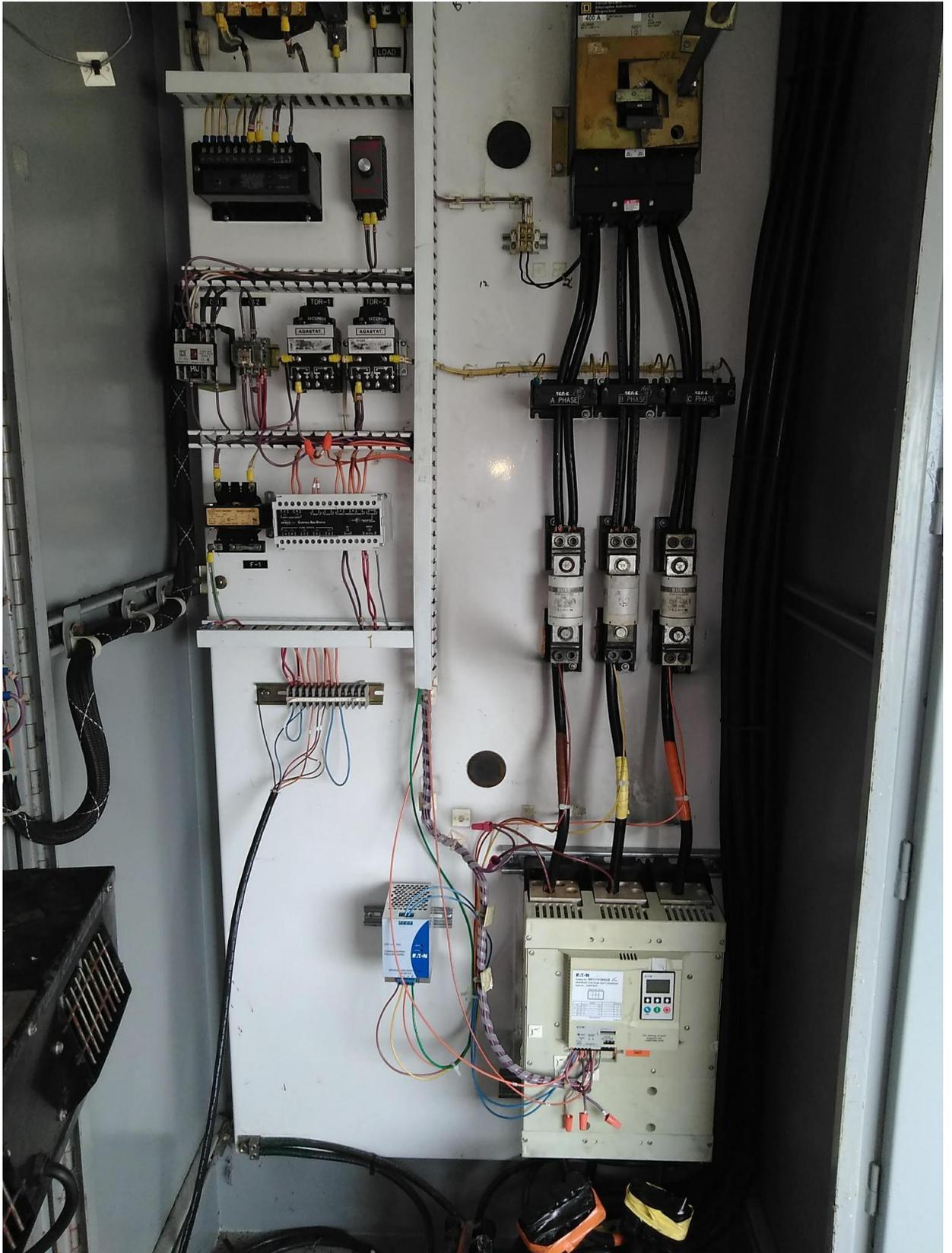
GENERATOR # F-1, PHOTO 5



GENERATOR # F-1, PHOTO 6



GENERATOR # F-2, PHOTO 7



**GENERATOR # F-2, PHOTO 8**



Type: MAS 711  
Operator panel

Made in Sweden for  
Xylem Water Solutions AB

SN 13219 Manufactured: 2014-01  
Part number: 40 501140

Enclosure/Boitier Type 1  
CSA file no 165952  
Power supply:  
12VDC 0,5VA



+ - A B

E132545

Contrast Adj. ↗

**EAT•N**

**ECS9521CAK**

**C37E4P18T25Z90Z91Z92**

**MODS:**

**C12C34E3E9P23P25P7P71S24S3T15T6C12**

**G.O. NO. SMI0508976 - 001**

**Date Code: 07/10/14 F**

TYPE 1 ENCLOSURE  
INDOOR USE ONLY



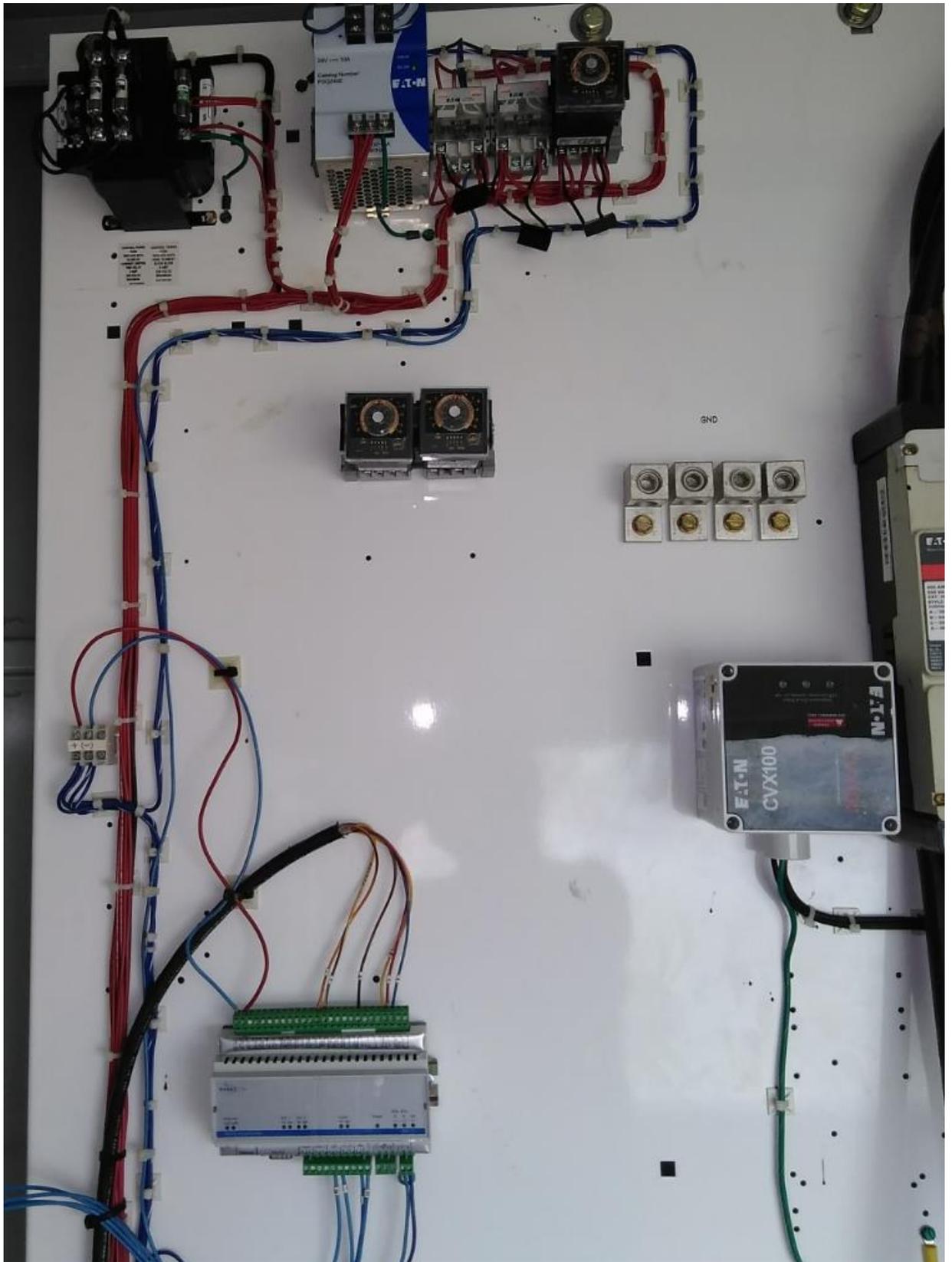
LISTED-ENCLOSURE  
COMB NTR CNTLP



30-17044-5

Made in U.S.A.

GENERATOR # F-3, PHOTO 9



GENERATOR # F-3, PHOTO 10



GENERATOR # F-3, PHOTO 11

**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
SIGN-IN SHEET FOR ATTENDEES**

IFB # 33848

NON-MANDATORY PRE-BID MEETING

**SCADA CONVERSION AND INSTALLATION PROJECT**

Attendee (Print Legibly): Pam Paulk		Phone: (386) 329-4469	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: SJRWMD			
Address:			
City /State/Zip:			
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No		Email: ppaulk@sjrwmd.com	

Attendee (Print Legibly): John Richmond		Phone: (386) 329-4403	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: SJRWMD			
Address:			
City /State/Zip:			
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No		Email:	

Attendee (Print Legibly): <del>Bill Cor</del> Eddie Harmon		Phone: <del>(386) 329-4109</del>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: SJRWMD			
Address:			
City /State/Zip:			
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No		Email:	

Attendee (Print Legibly): ALISON RAY		Phone: 352-317-2292	Business Card Provided <input checked="" type="checkbox"/> Or fill in contact information
Firm Name: EEMS			
Address: 1128 NW 39 <sup>th</sup> Ave			
City /State/Zip: Gainesville, FL 32605			
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No		Email: alison.ray@ee-ms.com	

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
SIGN-IN SHEET FOR ATTENDEES

IFB # 33848

NON-MANDATORY PRE-BID MEETING

SCADA CONVERSION AND INSTALLATION PROJECT

Attendee (Print Legibly): <b>KEVIN Locher</b>	Phone: <b>863-866-3155</b>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: <b>LOCHEE Environmental Technology</b>		
Address: <b>752 Commerce Dr. Suite 3</b>		
City /State/Zip: <b>Venice, FL 34292</b>		
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No	Email: <b>KEVIN@Locherenv.com</b>	

Attendee (Print Legibly): <b>Charlie Mondak</b>	Phone: <b>863-210-0517</b>	Business Card Provided <input checked="" type="checkbox"/> Or fill in contact information
Firm Name: <b>Star Controls</b>		
Address: <b>11555 Heron Bay Blvd</b>		
City /State/Zip: <b>Coral Spgs FL 33076</b>		
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No	Email: <b>cmondak@Star-Controls.com</b>	

Attendee (Print Legibly): <b>Bill Hilbrands</b>	Phone: <b>813-245-1616</b>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: <b>Hydrogage, Inc.</b>		
Address: <b>2726 Lithia Pinecrest Rd.</b>		
City /State/Zip: <b>Valrico, FL 33596</b>		
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No	Email: <b>bill.hydrogage@yahoo.com</b>	

Attendee (Print Legibly):	Phone:	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name:		
Address:		
City /State/Zip:		
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No	Email:	

**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
SIGN-IN SHEET FOR ATTENDEES**

**IFB # 33848      NON-MANDATORY PRE-BID MEETING**

**SCADA CONVERSION AND INSTALLATION PROJECT**

Attendee (Print Legibly): <i>James Hudson</i>	Phone: <i>8133765444</i>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: <i>Hydrogage, Inc</i>		
Address:		
City /State/Zip:		
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No	Email: <i>jhudson7etampabay.rr.com</i>	

Attendee (Print Legibly): <i>Jim Hudson</i>	Phone: <i>813-245-1616</i>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: <i>Hydrogage, Inc.</i>		
Address: <i>2726 Lithia Pinecrest Rd.</i>		
City /State/Zip: <i>Valrico, FL 33596</i>		
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No	Email:	

Attendee (Print Legibly): <i>Kelly Blair</i>	Phone: <i>561 248 3752</i>	Business Card Provided <input checked="" type="checkbox"/> Or fill in contact information
Firm Name: <i>Locher Env.</i>		
Address:		
City /State/Zip:		
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No	Email: <i>Kelly@Locherenv.com</i>	

Attendee (Print Legibly): <i>SPS&amp;TIF-58</i>	Phone:	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name:		
Address:		
City /State/Zip:		
Bid Documents Picked up today: <input type="radio"/> Yes or <input type="radio"/> No	Email:	