



St. Johns River Water Management District

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

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at 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 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.

STRUCTURE	GENERATOR TYPE
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.

GM57268

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[®] 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+NOx = 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

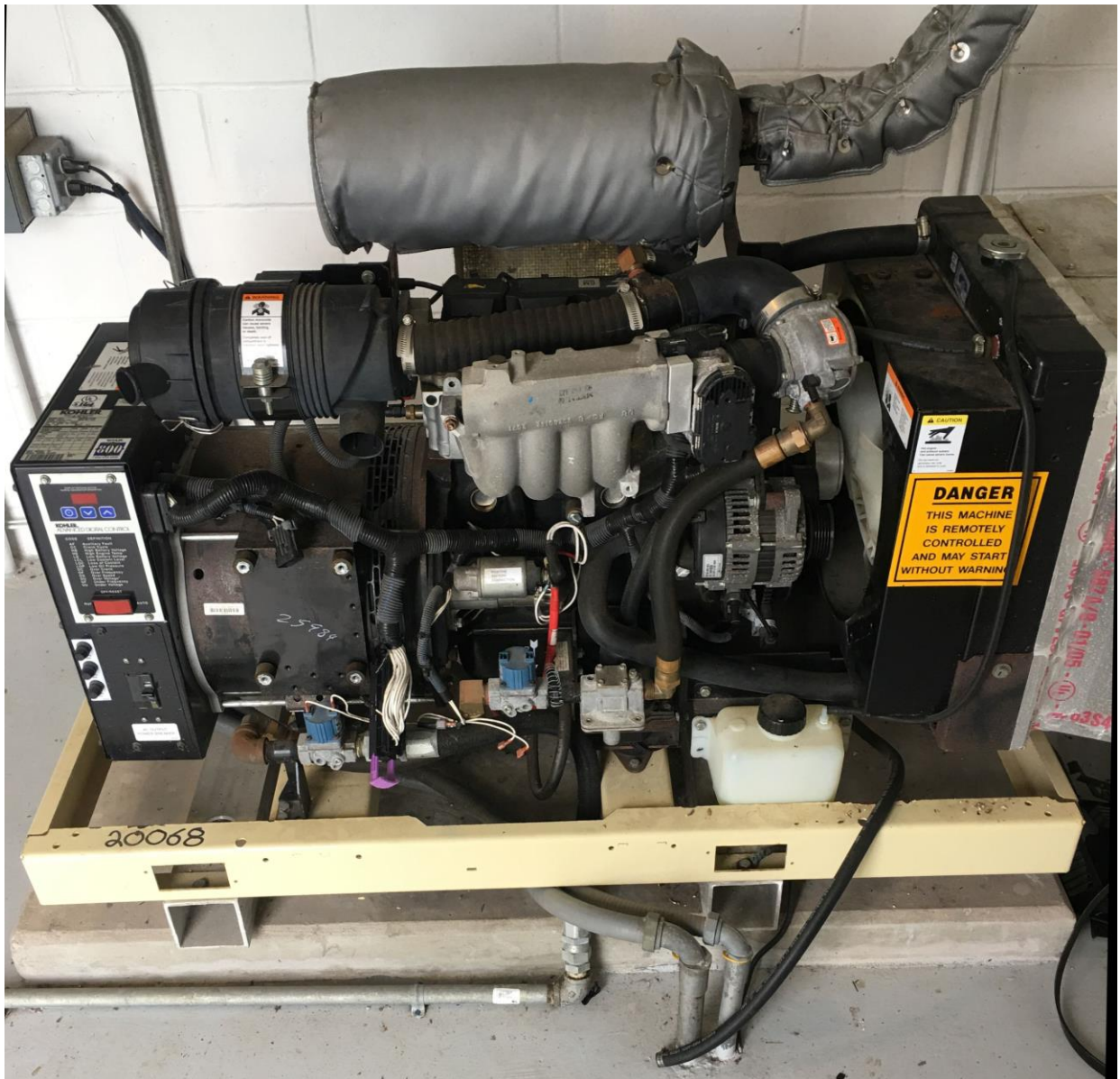
REFER TO OWNER'S MANUAL FOR SAFETY,
MAINTENANCE SPECS AND ADJUSTMENTS

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.
SINGLE PHASE		15.00	15.00	1.0
THREE PHASE				
VOLTAGE (CODE)	120/240 (61) 1p	139/240 (51)	127/220 (51)	120/240 (01)
AMPS	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

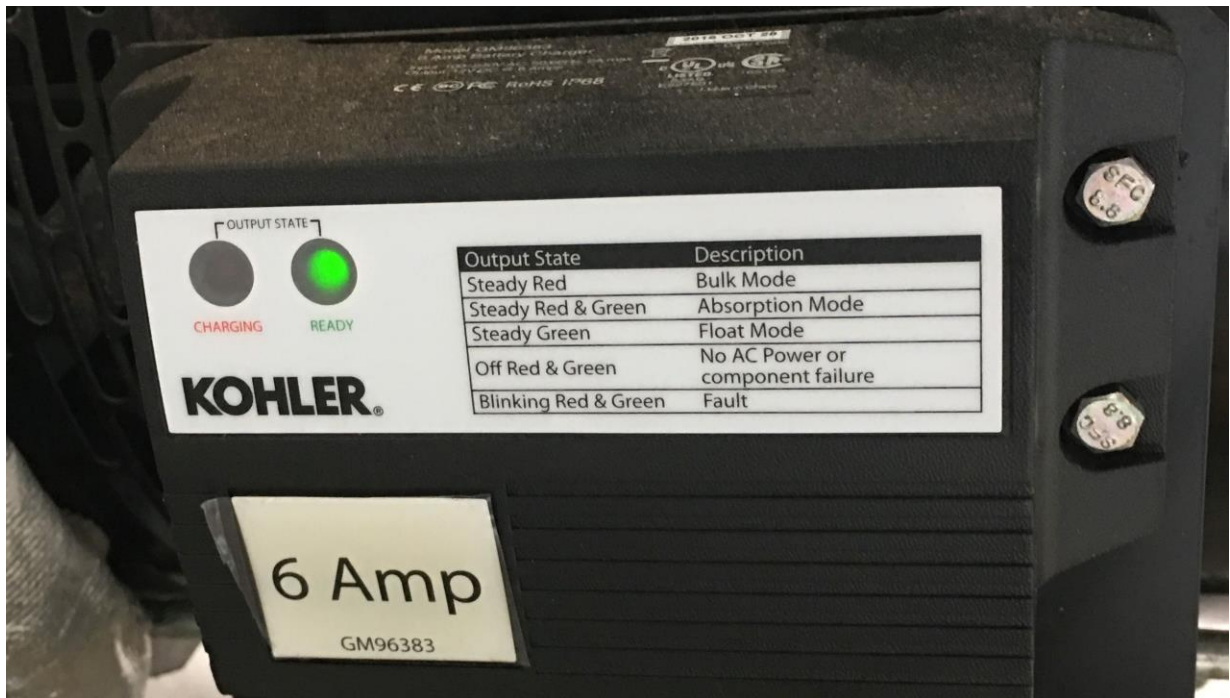


IN THE U.S. & CANADA
1-800-544-2444

GENERATOR TYPE B, PHOTO 3



GENERATOR TYPE B, PHOTO 4



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

LTEU60-3/10811E

SERIAL

H790440847

VOLTS

120/240

PHASE

1

AMPS

60

WIRE

3

MOTOR

L.R. AMPS

360

HZ

60

**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

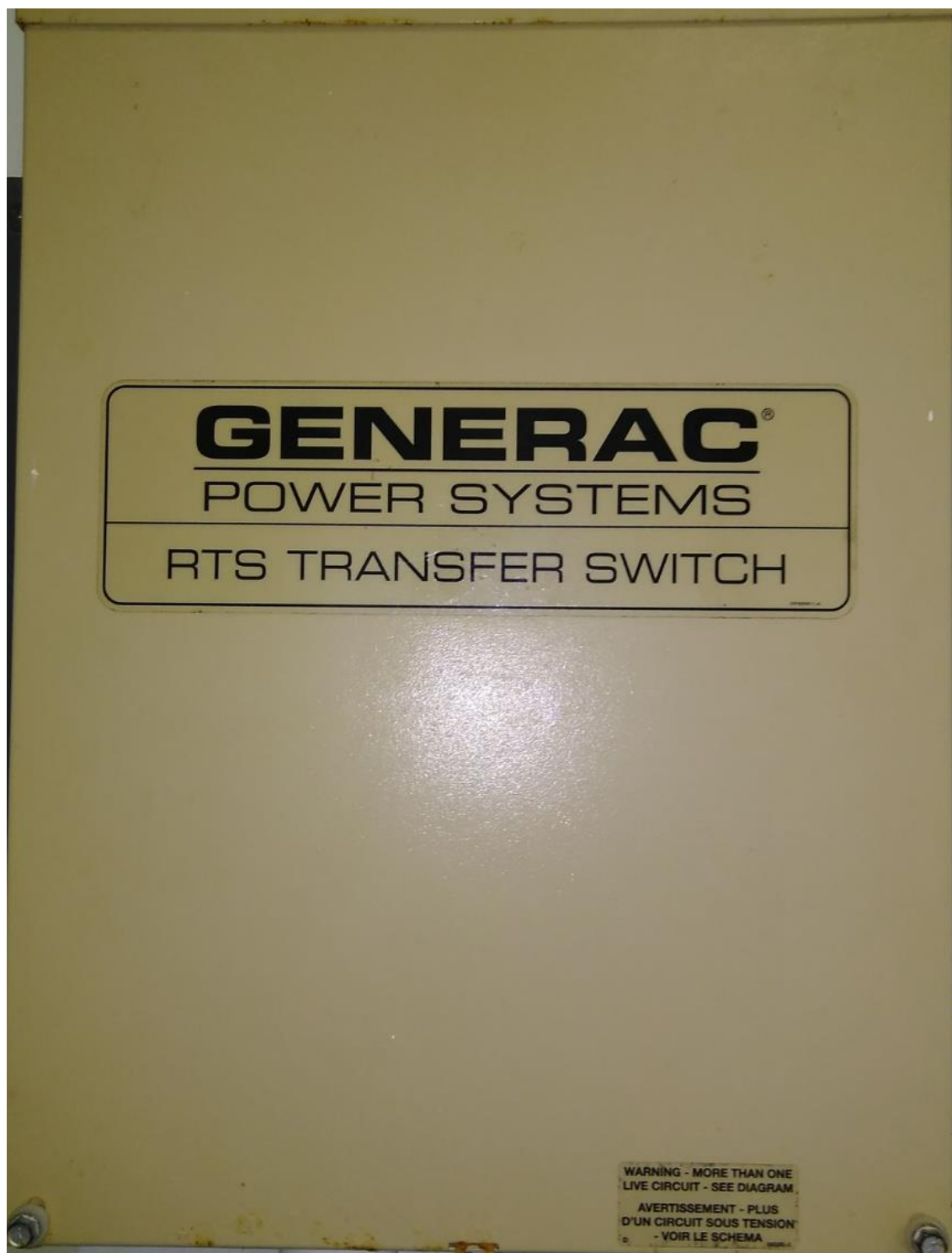
7

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.

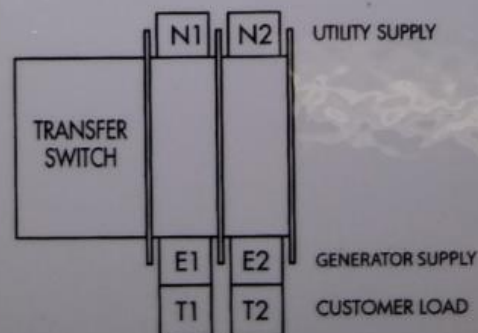
Consult Owner's Manual for further explanation of Transfer System operation and features.

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

KOHLER

MODEL 12RYG2

SPEC 110558-62L

SER NO 469278

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

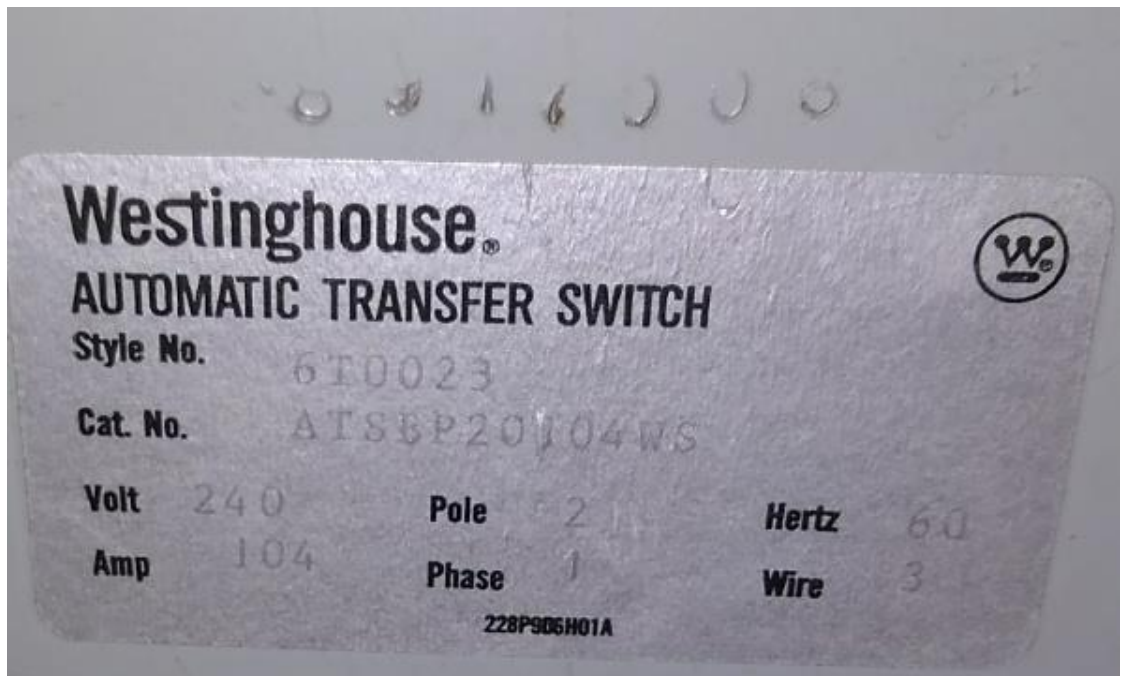
GENERATOR TYPE D, PHOTO 3

TYPE E GENERATORS / TRANSFER SWITCHES

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

Serial No.	J890274363					LEB	
Onan ®							
Model No.	12.5JC B35252B						
IMPORTANT!							
Model & Serial No. Required When Ordering Parts.							
AC Volts	120/240	Ph	1	KVA	12.5		
kW	12.5	PF	92	Amps	52	RPM	1800
DCV		Amps		Watts			
Time Rating	1000	Hz	60	Bat.	12		
Insulation - NEMA Class				Ambient 40°C			
Options				H1	H49		
H300	K157						
Wiring Diagram No.(s)							
812-5564-05							
Onan Corp 1400 73rd Ave NE				Made in USA			
Minneapolis, MN 55432 USA				URC			
		For Electrical Equipment Only Pour Material Electrique Seulement					
Onan Corporation					URC		

GENERATOR TYPE E, PHOTO 1



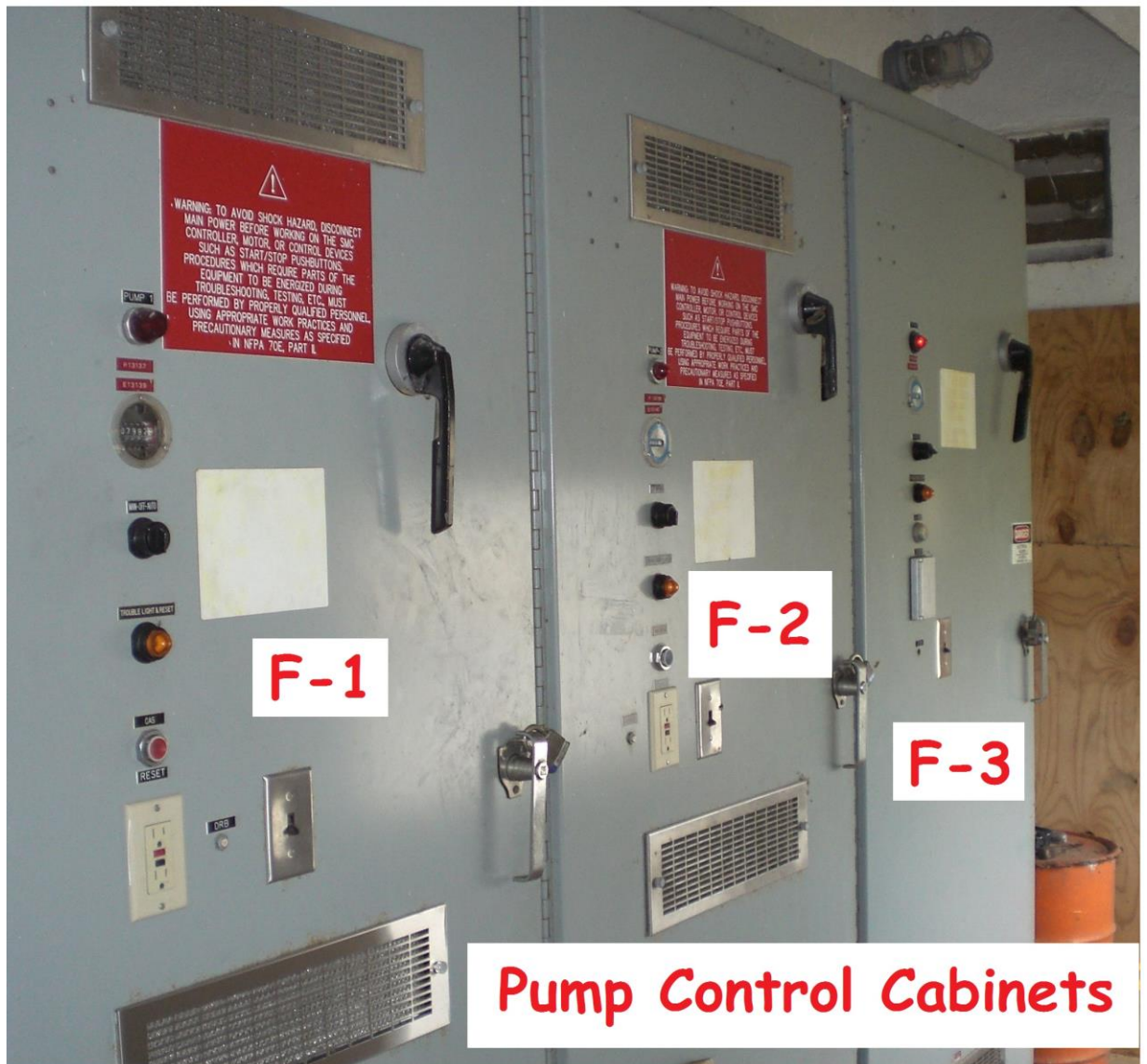
GENERATOR TYPE E, PHOTO 2

TYPE F GENERATORS / TRANSFER SWITCHES

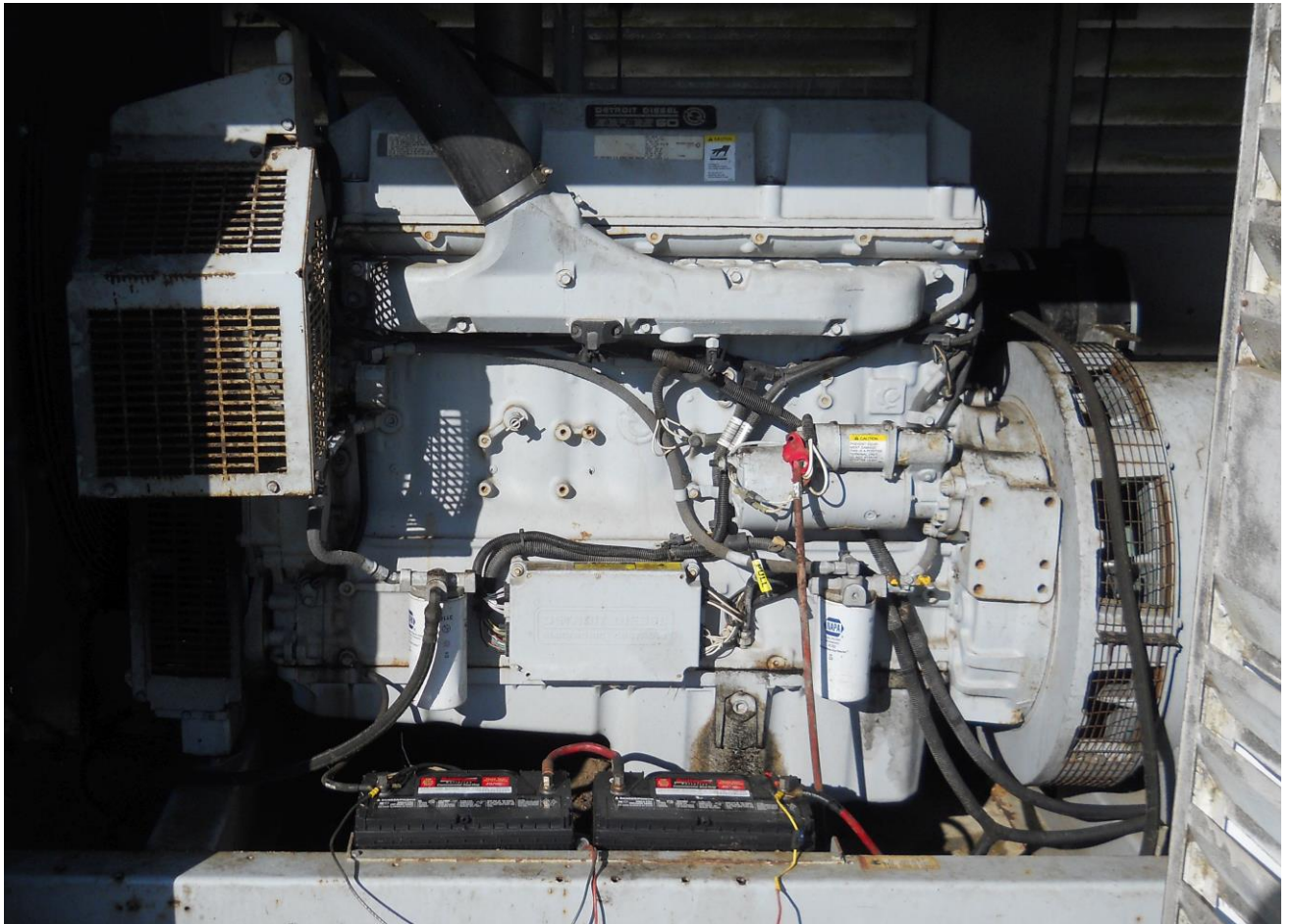
TYPE F generators are in place at the FWMA pump station \$# 4. Three generators exist at this pump station.



GENERATOR TYPE F, PHOTO 1



GENERATOR TYPE F, PHOTO 2



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.
SINGLE PHASE				
THREE PHASE				
VOLTAGE	120/240	139/240	127/220	120/240
(CODE)	(61) 1p	(61)	(61)	(01)
AMPS				
277/480	220/380	120/208	347/600	110/220
(71)	(71)	(81)	(91)	(01)
541.00				
110/220	230/400	240/416		
(61) 1p	(71)	(71)		
GEN. MODEL: 5M4027 BATT. 24 V				
INSUL: NEMA CLASS H 40° Amb				



DETROIT DIESEL
SPECTRUM.

SHEBOYGAN, WI 53083 U.S.A.

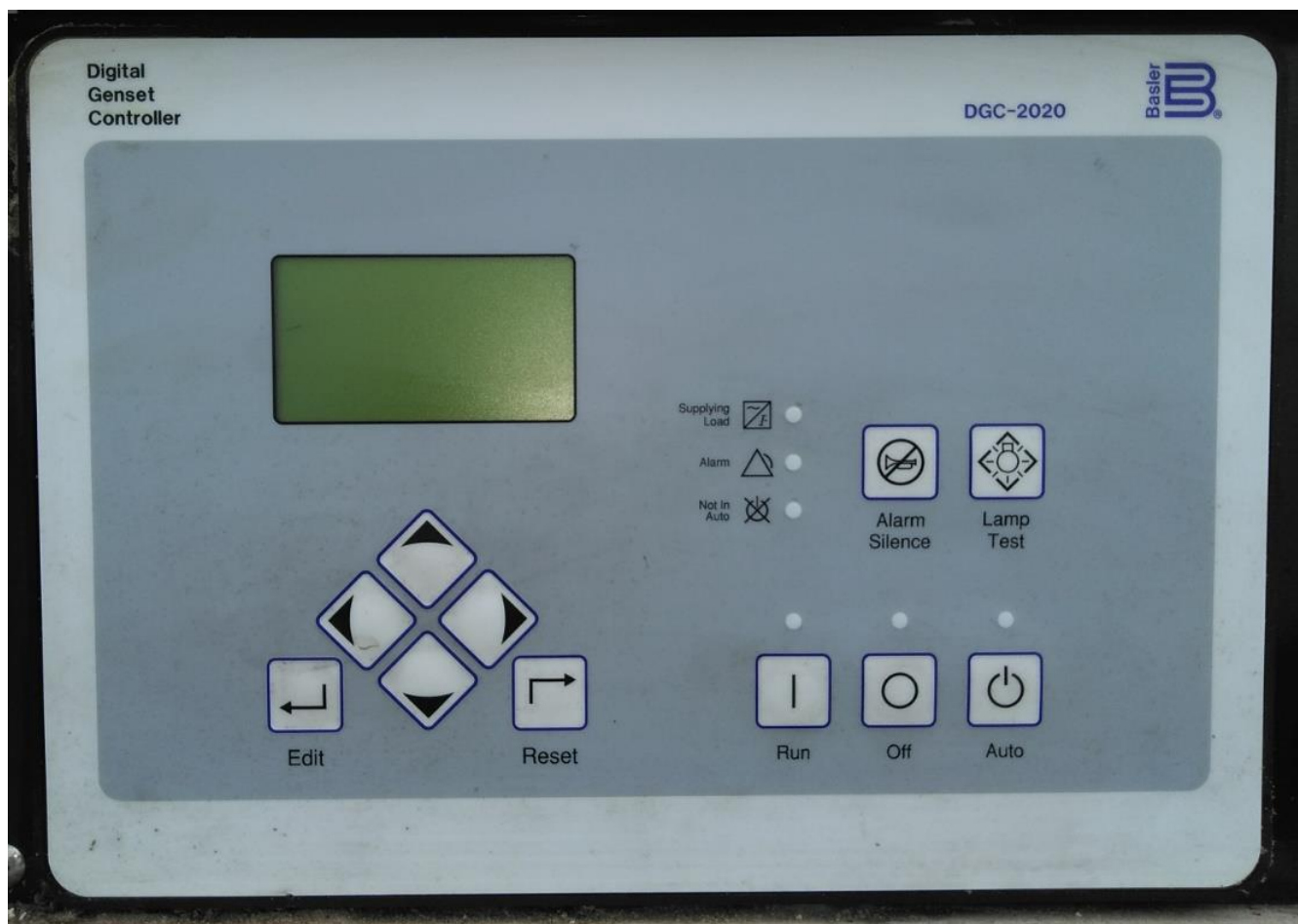
MODEL 350DSE **SERIAL** 0759347
ACCESSORIES:

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 - MA2	Alternator, 5M4027, 12 Lead
GM18824 - KA5	Control & Harness, DDC S60D
GM19874 - KA1	Decal, UL2200 Listing (Diesel)
GM28621 - KA13	Oil in GenSet - 38 qts.
GM28625 - KA8	Coolant in GenSet 17 gals.

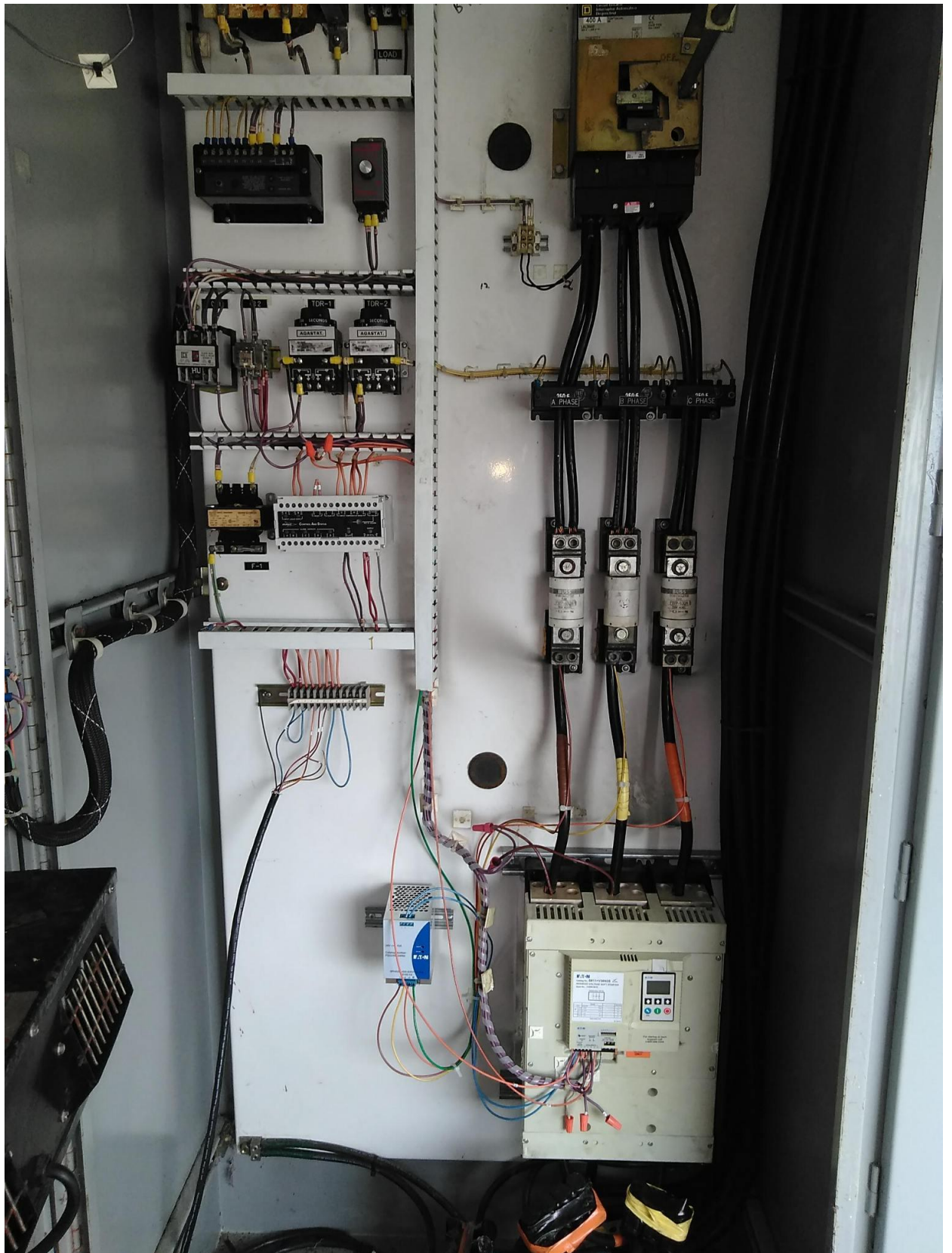
GENERATOR # F-1, PHOTO 5



GENERATOR # F-1, PHOTO 6



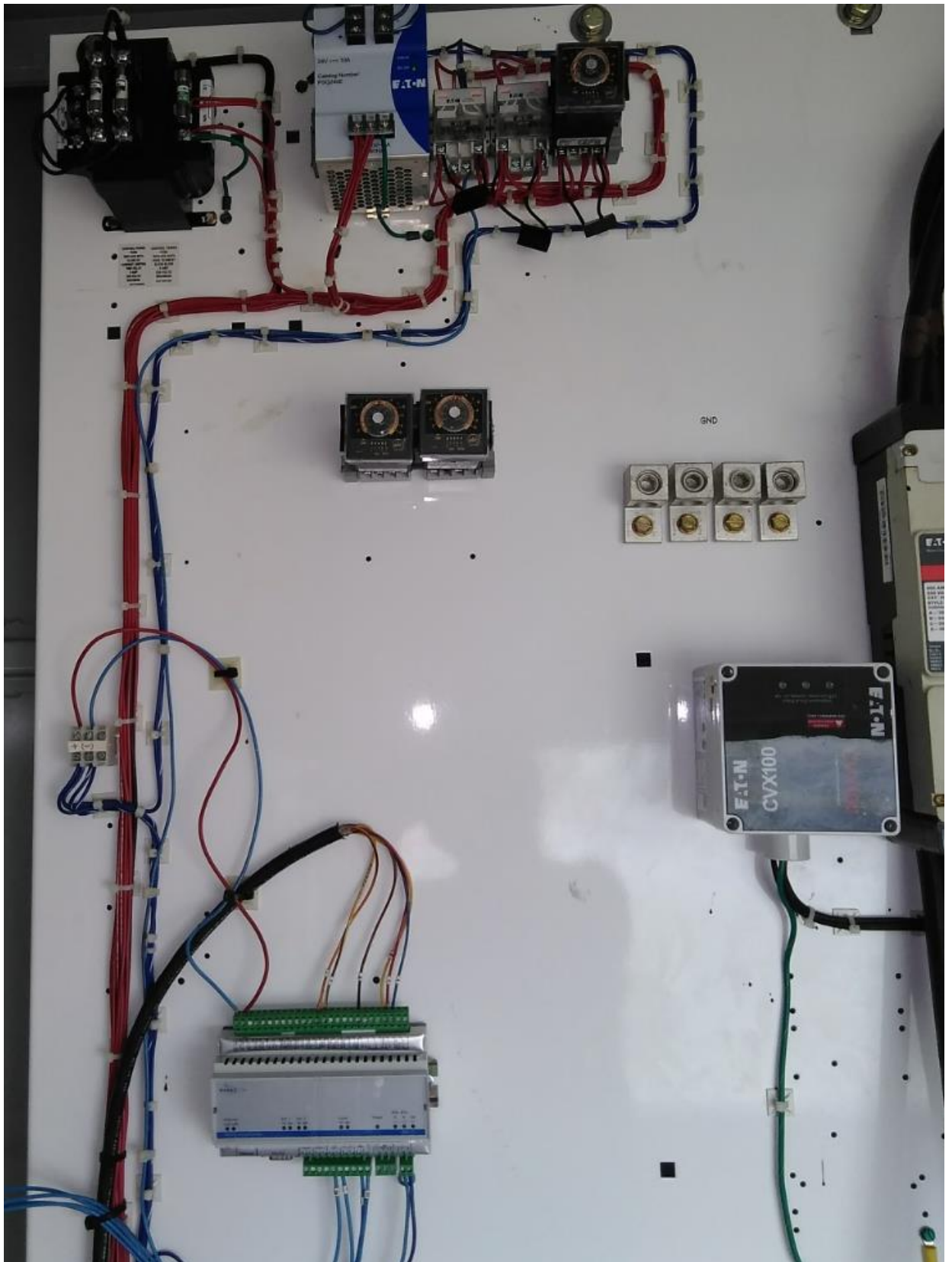
GENERATOR # F-2, PHOTO 7



GENERATOR # F-2, PHOTO 8



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): Bill Cor Eddie Harmon		Phone: (386) 329-4109	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 th 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): KEVIN Locher		Phone: 863-866-3155	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: LOCHEE Environmental Technology			
Address: 752 Commerce Dr. Suite 3			
City /State/Zip: Venice, FL 34292			
Bid Documents Picked up today: <input type="radio"/> Yes or <input checked="" type="radio"/> No		Email: KEVIN@Locherenv.com	

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

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

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>813 376 5444</i>	Business Card Provided <input type="checkbox"/> Or fill in contact information
Firm Name: <i>Hydrogate, 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>Hydrogate, 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 Blais</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):	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:	