

Covenant Services, Inc.

18 Village Plaza, Shelbyville KY 40065
(502)471-4801

10/30/17

Rob Burch
The Grande
725 DeSoto Ave
Brooksville, FL 34601

Mr. Burch,

We have visited your facility at your request and have prepared an Electrical Design to simplify your compliance with Florida Department of Elder Affairs Rule number 58AER17-1 Procedures Regarding Emergency Environmental Control for Assisted Living Facilities.

After reviewing your site layout and 12 months of Utility Demand readings, we have determined the least invasive and least cost alternative is to provide you with a Standby Emergency Generator capable of supplying your entire facilities' electrical load when used alongside one existing Kohler 600 KW generator. The proposed new generator includes a fuel tank designed to provide 96 hours of runtime at 100% load, which will exceed the mandatory run capacity as the generator will not be required to operate at 100% load.

A replacement fuel tank is also being proposed/provided to allow the existing Kohler 600KW generator to also comply with the 96 hour rule.

Attached please find our proposal and equipment data sheets, which when signed along with a mutually agreed upon General Services Agreement and upon receipt of a 50% Material and Mobilization deposit, shall constitute a complete contract.

Equipment is custom built to order and is estimated to require 15 to 17 weeks to deliver, however permitting and construction of concrete pads, conduit and installation of the Automatic Transfer Equipment can commence prior to delivery of the Genset. Our estimation for total project completion is 24 weeks from receipt of the Deposit.

Best Regards,

Chris Curry

Covenant Services, Inc

18 Village Plaza, PMB 230
Shelbyville, KY 40065
(502)471-4801

Proposal

Oct 29th, 2017

Robert Burch
The Grande
725 DeSoto Ave
Brooksville, FL 34601

250KW CAT Diesel w/96 Hour tank 2000 Amp ATS New remote 96 hour tank for existing Kohler 600KW

Regarding the above subject, we are pleased to provide the following detailed proposal:

Installed turnkey including Permits and Inspections by Florida Fully Licensed Electrical Contractor. Traffic protection measures and fuel tank permit included. Fuel included.

One new UL142 double wall, powder coated tank and controls to feed existing Kohler genset.
1800 Gallons

One new Caterpillar Model C9 Diesel Fueled Electric Generator Set, UL2200 Listed, engine directly connected to a Single bearing synchronous generator, 60Hz, 3 Phase, 1800RPM, 250kW standby with fan, 208/120VAC, and Automatic Transfer Switch; included per the attached Bill of Material: TOTAL NET PRICE All included.....\$ 342,000

- Price includes UL142 Rated 96 Hour Run-Time Subbase Fuel Tank - Price includes High Velocity Hurricane Zone 200MPH Wind Rated Sound Attenuated Enclosure - Price includes platform with rails and stairs - Price includes 2-Year Warranty Coverage

DRAWINGS: 2 to 3 weeks after receipt of order DELIVERY: 15 to 17 weeks after approval of submittal and order is placed TERMS: Net due upon substantial completion with 1.5 percent per month added to the unpaid balance QUOTATION VALIDITY: 30 days

A CAT Power Systems Product Representative will be available for assistance during the installation of this equipment. The Product Representative will arrange start-up of the unit, and provide training and instruction to owner's personnel at the jobsite in its operation and maintenance. All service and parts for this unit will be provided from our Louisville location.

Thank you very much for allowing us an opportunity to quote on this project. Should you have any questions regarding our proposal, please don't hesitate to contact me.

We propose to provide materials, labor and equipment, complete according to the above specifications for the sum of:

\$342,000	Three hundred forty-two thousand dollars
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Acceptance of Proposal: The above prices, specifications, and conditions are found to be satisfactory and are hereby accepted. Covenant Services, Inc is authorized to do the work as specified. Payment will be made as outlined above.

Signature: _____

Print Name: _____

Date of Acceptance: _____

Respectfully submitted,
Covenant Services, Inc
Chris Curry
(502)471-4801 Kwsave@yahoo.com
Oct 29th, 2017

This proposal is valid for 30 days

BILL OF MATERIAL

Caterpillar Model Diesel Fueled Electric Generator Set, UL2200 Listed, engine directly connected to a Single bearing synchronous generator, 60Hz, 3 Phase, 1800RPM, Standby with fan, and to include the following attachments and accessories:

STANDARD EQUIPMENT

Air cleaner, single stage dry type

Breather, crankcase

Battery charging alternator

Cooler, lube oil

Fuel filter(s)

Lube oil filter(s)

Lubricating oil

Fuel pressure gauge

Exhaust, manifold dry type

Fuel transfer pump, diesel models

Fuel priming pump, diesel models

Jacket water pump

Flexible fuel lines

Governor allowing a frequency regulation of +/-0.25% no load to full load steady state

Voltage Regulation +/- 0.5% no load to full load steady state

Radiator, engine mounted with duct adapter and of sufficient capacity to maintain a safe operating temperature including anti-freeze

Vibration isolators - mounted between the formed steel base and the engine generator set

Formed steel base with coolant and oil drain valve connections.

EXHAUST SILENCER

Silencer for critical applications, mounted inside generator Weather Protective Sound

Attenuated Enclosure

Flexible exhaust fitting mounted

ELECTRIC STARTING SYSTEM

24VDC

Battery consisting of Heavy-duty 12 volt Batteries with acid, rack and cables

Battery Charger, 120/240volt AC input, 24VDC output, dual rate, rated at 10 or 20 amperes and includes a low voltage alarm relay, complies with NFPA110 mounted and wired.

Battery Heating Pads thermostatically controlled, AC single phase

JACKET WATER HEATER

Thermostatically controlled, AC single phase, with isolation valves, mounted and wired to common terminal strip with battery charger

LUBE OIL HEATER

No Lube Oil Heater

GENERATOR FEATURES

Generator anti-condensing heater

Generator Excitation - Permanent Magnet Type with 300% short circuit

Circuit breaker(s) are UL Listed 100% rated generator mounted in NEMA 1 enclosure with Shunt Trip and Auxiliary Contacts

CONTROL PANEL, CATERPILLAR EMCP 4.2 GENERATOR MOUNTED in NEMA 1 ENCLOSURE

Digital graphical display for power metering, protective relaying, engine and generator controls, diagnostics, and operating information. All information available via the control panel keypads. A 33 x 132 pixel, 3.8 inch graphical display denotes text alarm, event descriptions, set points, engine, and generator

monitoring.

Real time clock allows for date and time stamping of diagnostics and events, as well as service maintenance requirements based on engine operating hours or calendar days. Up to 40 diagnostic events are stored in the non-volatile memory. Three levels of operator security.

GENERATOR MONITORING

- Voltage (L-L, L-N)
- Current (Phase)
- Average Volt, Amp, Frequency
- KW, KVAR, KVA (Average, Phase)
- KW-HR, KVAR-HR (Total)
- Excitation voltage and current (with CDVR)
- Generator stator and bearing temp (with optional module)

GENERATOR PROTECTION

- Over/under voltage
- Over/under frequency
- Generator phase sequence
- Reverse power (real and reactive)
- Overcurrent (timed and inverse)

ENGINE MONITORING

- Coolant temperature
- Oil temperature
- Oil pressure
- Engine speed (RPM)
- Battery voltage
- Run hours
- Crank attempt and successful start counter
- Enhanced engine monitoring (with electronic engines)

ENGINE PROTECTION

- Control switch not in auto (alarm)
- High coolant temp (alarm and shutdown)
- Low coolant temp (alarm)
- High engine oil temp (alarm and shutdown)
- Low, high, and weak battery voltage
- Overspeed
- Overcrank

CONTROL

- Run/Auto/Stop control
- Speed and voltage adjust
- Local and remote emergency stop
- Remote start/stop
- Cooldown timer
- Cycle crank

INPUTS AND OUTPUTS

- Two dedicated digital inputs
- Six programmable digital inputs
- Six programmable form A dry contacts
- Two programmable form C dry contacts
- Two digital outputs

COMMUNICATIONS

- Primary and accessory CAN data links
- RS-485 annunciator data link
- RS-485 SCADA (Modbus RTU)

PRE-ALARM PANEL

Control Panel local mounted complies with NFPA110

REMOTE ANNUNCIATOR PANEL (DELIVERED WITH GENERATOR)

Caterpillar Remote Annunciator
Annunciation 16 points with two LED's each
Additional pair of LED's provides status of communication network
Alarm horn with lamp test and alarm acknowledge pushbuttons
Complies with NFPA 110
Shipped Loose for Contractor Mounting & Wiring

REMOTE E-STOP (DELIVERED WITH GENERATOR)

HIGH VELOCITY HURRICANE ZONE SOUND ATTENUATED WEATHER PROTECTIVE ENCLOSURE & SUB-BASE FUEL TANK

Weatherproof enclosure is constructed of aluminum material mounted on 96 hour runtime at 90% low fuel level, subbase fuel tank with aluminum frame, aluminum angle base, fixed intake louver, gravity radiator discharge louvers, hinged access doors, stainless steel t-handle latches and continuous hinge.

Fuel Provided by Others

JOBSITE START-UP - Cat Power Systems will supply a factory trained technician, to perform an installation check, start-up, and building load test of equipment supplied in this proposal, after installation is completed

JOBSITE LOAD BANK TESTING - 4-hour site load bank test. Load bank, cabling, and technician provided by local Certified Caterpillar Dealership

PERSONEL TRAINING - provided

O & M MANUALS - 1 set

SUBMITTAL DRAWINGS - Electronic and 4 hard copy sets or as needed

WARRANTY- Standard 2-year warranty provided for Caterpillar supplied equipment

NOTE: Any NETA and/or infrared site testing and/or electrical coordination study specified is NOT included in this proposal, and is to be provided by others

**Details for Site #5 - The Second Remote Fuel Tank Supplying the Existing K
600kW Generator Set:**

Phoenix Products UL142 Double Wall Aboveground Storage Tank: DW-1800

- 1800 gallon double wall tank
- * 1647 gallons usable fuel (when tank is filled to 90%)

Tank Dimensions:

- * Length 72"
- * Width 72"
- * Height 114" (includes 2" tall bottom channel for under tank inspection)
- * Weight 7542 Lbs

Construction:

- 1800 gallons
- U.L. 142 listed free-standing double wall tank
- * FDEP: EQ821
- 0.1875" thick steel primary tank & 0.1875" thick steel secondary tank

Atmospheric & Emergency vents:

- 2" atmospheric vent with 12' above grade riser (ships loose)
- 6" primary tank and 6" secondary tank emergency vents

Fuel level & leak switches:

- High fuel, low fuel, & interstitial leak, switches
- Mechanical fuel level gauge, visible from fuel fill

Fuel fill with spill containment:

- 7.5 gallon spill containment with padlockable, hinged cover
- Spring-loaded drain valve to transfer spilled fuel to primary tank

Exterior Finish:

- Industrial exterior grade enamel over primed surface
- Finish Color: Phoenix Products standard black

Pumps and control panel package with NEMA 4X enclosure:

- Qty (1) 4gpm 1/2hp 115/230v supply pump
- Qty (1) 7gpm 1/2hp 115/230v return pump
- Digital fuel level gauge
- * Signal lights and audible alarms
- * Low level switch- 35%
- * High level switch- 90%
- * Separate redundant high level switch- 95% (pump shutdown)
- * Leak sensor
- * 4-20 ma fuel level sender

**ELECTRIC POWER - Technical Spec Sheet
STANDARD**



C9

250 ekW/ 313 kVA/ 60 Hz/ 1800 rpm/ 480 V/ 0.8 Power Factor

Rating Type: STANDBY

**Emissions: U.S. EPA Certified for Stationary Emergency
Use Only (Tier 3 Nonroad Equivalent Emission Standards)**

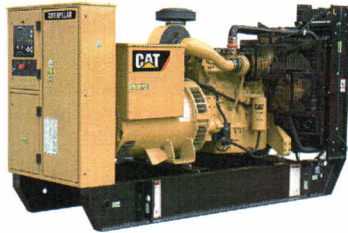


Image shown may not reflect actual configuration

C9

**250 ekW/ 313 kVA
60 Hz/ 1800 rpm/ 480 V**

	Metric	English
Package Performance		
Genset Power Rating with Fan @ 0.8 Power Factor		250 ekW
Genset Power Rating		313 kVA
Aftercooler (Separate Circuit)	N/A	N/A
Fuel Consumption		
100% Load with Fan	73.3 L/hr	19.4 gal/hr
75% Load with Fan	58.8 L/hr	15.5 gal/hr
50% Load with Fan	43.8 L/hr	11.6 gal/hr
25% Load with Fan	27.4 L/hr	7.3 gal/hr
Cooling System¹		
Engine Coolant Capacity	13.9 L	3.7 gal
Inlet Air		
Combustion Air Inlet Flow Rate	25.2 m ³ /min	889.8 cfm
Max. Allowable Combustion Air Inlet Temp	50 ° C	122 ° F
Exhaust System		
Exhaust Stack Gas Temperature	455.5 ° C	852.0 ° F
Exhaust Gas Flow Rate	63.6 m ³ /min	2245.6 cfm
Exhaust System Backpressure (Maximum Allowable)	10.0 kPa	40.0 in. water

**ELECTRIC POWER - Technical Spec Sheet
STANDARD**



C9

250 ekW/ 313 kVA/ 60 Hz/ 1800 rpm/ 480 V/ 0.8 Power Factor

Rating Type: STANDBY

Emissions: U.S. EPA Certified for Stationary Emergency Use Only (Tier 3 Nonroad Equivalent Emission Standards)

Heat Rejection		
Heat Rejection to Jacket Water	104 kW	5928 Btu/min
Heat Rejection to Exhaust (Total)	277 kW	15772 Btu/min
Heat Rejection to Aftercooler	82 kW	4686 Btu/min
Heat Rejection to Atmosphere from Engine	18 kW	1004 Btu/min
Heat Rejection to Atmosphere from Generator	20 kW	1120 Btu/min

Alternator ²	
Motor Starting Capability @ 30% Voltage Dip	543 skVA
Current	376 amps
Frame Size	LC5014H
Excitation	SE
Temperature Rise	150 ° C

Emissions (Nominal) ³		
NOx	1516.2 mg/Nm ³	2.9 g/hp-hr
CO	172.8 mg/Nm ³	0.4 g/hp-hr
HC	37.7 mg/Nm ³	0.1 g/hp-hr
PM	32.6 mg/Nm ³	0.1 g/hp-hr

DEFINITIONS AND CONDITIONS

1. For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.
2. UL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40° C ambient per NEMA MG1-32.
3. Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NOx. Data shown is based on steady state operating conditions of 77° F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 btu/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

**ELECTRIC POWER - Technical Spec Sheet
STANDARD**



C9

250 ekW/ 313 kVA/ 60 Hz/ 1800 rpm/ 480 V/ 0.8 Power Factor

Rating Type: STANDBY

Emissions: U.S. EPA Certified for Stationary Emergency Use Only (Tier 3 Nonroad Equivalent Emission Standards)

Applicable Codes and Standards:

AS1359, CSA C22.2 No100-04, UL142,UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22,NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

STANDBY:Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions

Fuel Rates are based on fuel oil of 35° API [16° C (60° F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29° C (85° F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.). Additional ratings may be available for specific customer requirements, contact your Cat representative for details. For information regarding Low Sulfur fuel and Biodiesel capability, please consult your Cat dealer.

www.Cat-ElectricPower.com

Performance No.: DM8501-03

Feature Code: C09DE47

Generator Arrangement: 4490571

Date: 07/26/2017

Source Country: U.S.

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C9 PGAN Generator Set

Electric Power

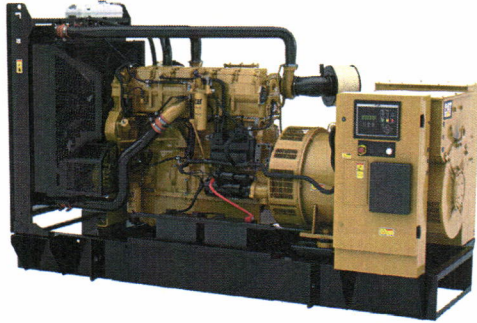


Image shown may not reflect actual configuration

Engine Specifications	
Engine Model	C9 ACERT In-line 6, 4-cycle diesel
Bore	112 mm (4.4 in)
Stroke	149 mm (5.9 in)
Displacement	8.8 L (538 in ³)
Compression Ratio	16.1:1
Aspiration	Turbocharged Air to Air Aftercooled
Fuel System	MEUI
Governor Type	ADEM A4

Standard Features

Cat Generator Set Package

Cat generator set packages have been fully prototype tested, and certified torsional vibration analysis reports are available. The packages are designed to meet the NFPA 110 requirement for loading, conform to the ISO 8528-5 steady state and transient response requirements.

Cat Diesel Engines

The four cycle Cat diesel engine combines consistent performance with excellent fuel economy and transient response that meets or exceeds ISO 8528-5. The engines feature a reliable, rugged, and durable design that has been field proven in thousands of applications worldwide from emergency standby installations.

Cooling System

The cooling system has been designed to operate in standard ambient temperatures up to 50°C (122°F), with optional high ambient radiators available. The factory installed cooling system has been designed and tested to ensure proper generator set cooling, and includes the radiator, fan, belts, and all guarding installed as standard. Contact your Cat Dealer for specific ambient and altitude capabilities.

Generators

The generators used on Cat packages have been designed and tested to work with the Cat engine. The generators are built with robust Class H insulation and provide industry leading motor starting capability.

World Wide Product Support

Cat Dealers provide extensive post sale support including maintenance and repair agreements. Cat dealers have over 1,800 dealer branch stores operating in 200 countries. The Caterpillar® SOSSM program cost effectively detects internal engine component condition, even the presence of unwanted fluids and combustion by-products.

EMCP Control Panels

The EMCP controller features the reliability and durability you have to come to expect from your Cat equipment. The EMCP 4 is a scalable control platform designed to ensure reliable generator set operation, providing extensive information about power output and engine operation. EMCP 4 systems can be further customized to meet your needs through programming and expansion modules.



Equipment

Engine

Air Cleaner

- Single Element
- Dual Element
- Heavy Duty

Muffler

- Industrial grade (10 dBA)
- Residential and Critical grade (25 dBA)

Starting / Charging

- 24-Volt Electric Starting Motor
- Charging Alternator
- Standard Battery Set
- Oversize Battery Set

Control System

Controller

- EMCP 4.2
- EMCP 4.4
- Local Annunciator
- Remote Annunciators
- Discrete I/O Module
- Device Server
- Volt Free Contact
- Earth (Ground) Fault Relay

Generator

- Excitation – Self
- Excitation – Internal / AREP
- Excitation – PMG
- Oversize
- Coastal Protection (CIP)
- Space Heater Control

Output Voltage

60 Hz

- 600V ○ 240V
- 480V ○ 208V

Power Termination

- Power Terminal Strips

Circuit Breakers

- 3-Pole 100% Rated – Single (Manual)
- 3-Pole 100% Rated – Single (Motorized)
- 3-Pole 100% Rated – Dual (Manual)
- 3-Pole 100% Rated – Third (Manual)
- External Paralleling
- Auxiliary Contacts
- Neutral Bar

Enclosure

- Weather Protective
- Sound Attenuated

Certification

- EPA Stationary Emergency Use
- UL2200 Listed
- CSA 22.2
- Certification of Compliance – IBC Seismic
- Certification of Compliance – IBC Seismic and OSHPD

Extended Service Coverage

- 2 Year
- 3 Year
- 4 Year
- 5 Year
- 10 Year

Base / Fuel Tank

- Narrow Skid
- Wide / Standard
- Sub Tank Base – UL & ULC Listed
- Integral Tank Base – UL & ULC Listed
- Spill Containment
- Overfill Prevention Valve
- Audio & Visual Fuel Alarm

Governing

- Cat Electronic Governor

Protection

- Safety Shutoff – High Water Temperature
- Safety Shutoff – Low Oil Pressure
- Safety Shutoff – Overspeed
- Coolant Level Sensor

Legend ● = Basic / Mandatory (without charge)
○ = Option

C9 PGAN Generator Set

Electric Power



60Hz Ratings

Standby Rating ekW	Prime Rating ekW	Nominal Weight (Dry) ¹		Premium Weight (Dry) ²	
		kg	lb	kg	lb
200	180	2157	4755	2692	5935
250	225	2248	4956	2692	5935
300	275	2313	5100	2908	6411

¹Estimated weight includes standard generator, narrow skid base and heaviest mechanically operated standard single circuit breaker.

²Estimated weight includes oversize generator, wide skid base and heaviest circuit breaker configuration.

Rating Definitions

Standby

Output available with varying load for the duration of the interruption of the reliable source power. Standby power in accordance with ISO 8528.

Prime

Output available with varying load for an unlimited time. Prime power in accordance with ISO 8528. 10% overload power in accordance with ISO 8528.

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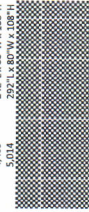
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No	Facility Name	Address	City	Model	LW Rating	Comments	Fuel Consumption @ 100% Load	Complete Package Weight (lbs)	Complete Package Dimensions	GenSet Weight (lbs)	Fuel Tank Weight (lbs)	Fuel Tank Dimensions	Fuel Tank Capacity 128 Hours @ 100% Load	Enclosure Weight (lbs)	Enclosure Dimensions
1A	Spring Haven Retirement	1225 NW Havendale Blvd	Winter Haven	C15	350		34.8 GPH	24,603	292" L x 80" W x 130" H	7,319	12,720	218" L x 80" W x 55" H	4,800 Gallons, 4,381 Usable	5,151	294" L x 80" W x 108" H
1B	Spring Haven Retirement	1225 NW Havendale Blvd	Winter Haven	C15	350		34.8 GPH	24,603	292" L x 80" W x 130" H	7,319	12,720	218" L x 80" W x 55" H	4,800 Gallons, 4,381 Usable	5,151	294" L x 80" W x 108" H
2	Spring Haven Retirement	1225 NW Havendale Blvd	Winter Haven	D200-2	200		14.9 GPH	17,362	263" L x 64" W x 130" H	4,910	9,117	227" L x 64" W x 46" H	2,100 Gallons, 1,917 Usable	3,135	283" L x 64" W x 84" H
3	Forest Oaks of Spring Hill	8055 Forest Oaks Blvd	Sanford	C18	600		42.7 GPH	40,411	390" L x 80" W x 156" H	9,493	25,463	390" L x 80" W x 55" H	5,900 Gallons, 5,389 Usable	5,455	307" L x 80" W x 108" H
4	Spring Oaks	7251 Grove Road	Brooksville	D200-2	200	NEED SECOND REMOTE FUEL TANK 1,226 GALLONS OR LARGER AND CONTROLS FOR EXISTING KOHLER 600KW	14.9 GPH	17,362	263" L x 64" W x 130" H	4,910	9,117	227" L x 64" W x 46" H	2,100 Gallons, 1,917 Usable	3,135	283" L x 64" W x 84" H
5	The Grande	725 DeGoto Avenue	Brooksville	C9	250		19.4 GPH	19,855	242" L x 80" W x 135" H	5,088	10,362	218" L x 80" W x 48" H	2,700 Gallons, 2,496 Usable	4,405	242" L x 80" W x 108" H
6A	Bayville Terrace East Service	9381 US 19	Palmdale Park	C9	300		22.7 GPH	20,618	242" L x 80" W x 162" H	5,086	11,068	218" L x 80" W x 54" H	3,100 Gallons, 2,826 Usable	4,464	242" L x 80" W x 108" H
7A	Bradford Oaks	1015 7th Avenue East	Bradenton	D135-4	150		11.3 GPH	13,596	228" L x 64" W x 120" H	3,102	7,485	217" L x 64" W x 38" H	1,500 Gallons, 1,350 Usable	3,000	242" L x 64" W x 84" H
7B	Bradford Oaks	1015 7th Avenue East	Bradenton	D135-4	150		11.3 GPH	13,596	228" L x 64" W x 120" H	3,102	7,485	217" L x 64" W x 38" H	1,500 Gallons, 1,350 Usable	3,000	242" L x 64" W x 84" H
8	Summerfield Retirement	3409 26th Street W	Bradenton	C9	300		22.7 GPH	20,618	242" L x 80" W x 162" H	5,086	11,068	218" L x 80" W x 54" H	3,100 Gallons, 2,826 Usable	4,464	242" L x 80" W x 108" H
9	Woodhills Village	1055 301 Blvd East	Venice	D200-2	200		14.9 GPH	17,362	263" L x 64" W x 130" H	4,910	9,117	227" L x 64" W x 46" H	2,100 Gallons, 1,917 Usable	3,135	283" L x 64" W x 84" H
11	West Lake Retirement	1121 Incananda Avenue	Venice	C13	350		24.5 GPH	24,603	292" L x 80" W x 162" H	5,086	11,068	218" L x 80" W x 54" H	3,100 Gallons, 2,826 Usable	4,464	242" L x 80" W x 108" H
12	Royal Palm	2100 Acorn Street	Fort Myers	C13	350		24.5 GPH	24,603	292" L x 80" W x 162" H	5,086	11,068	218" L x 80" W x 54" H	3,100 Gallons, 2,826 Usable	4,464	242" L x 80" W x 108" H
13A	Barkley Place Senior Living	36 Barkley Circle	Fort Myers	C9	250		16.6 GPH	18,791	325" L x 80" W x 163" H	7,661	15,279	325" L x 80" W x 55" H	4,800 Gallons, 4,381 Usable	5,151	294" L x 80" W x 108" H
13B	Barkley Place Senior Living	36 Barkley Circle	Fort Myers	C13	350		24.5 GPH	24,603	292" L x 80" W x 163" H	5,088	12,270	248" L x 80" W x 48" H	2,700 Gallons, 2,496 Usable	4,405	242" L x 80" W x 108" H
	Bahama Assisted Living	93 Bahama Drive	Lake Placid	N/A	N/A			5,704	292" L x 80" W x 161" H			60" L x 60" W x 85" H	1,200 Gallons, 1,104 Usable		
14	Isle of Venice Beach	1700 Waterford	Vero Beach	C27	750		53.6 GPH	50,283	374" L x 96" W x 169" H	13,940	29,261	406" L x 96" W x 55" H	7,500 Gallons, 6,766 Usable	7,663	374" L x 96" W x 110" H
16A	Ormond in the Pines	101 Clyde Morris Blvd	Ormond Beach	D105-2	200		22.7 GPH	20,618	242" L x 80" W x 162" H	5,086	11,068	218" L x 80" W x 54" H	3,100 Gallons, 2,826 Usable	4,464	242" L x 80" W x 108" H
16C	Ormond in the Pines	101 Clyde Morris Blvd	Ormond Beach	D135-8	125		17.362	17,362	263" L x 64" W x 130" H	4,910	9,117	227" L x 64" W x 46" H	2,100 Gallons, 1,917 Usable	3,135	283" L x 64" W x 84" H
17	Renaissance Retirement Center	100 W Airport Blvd	Sanford	D200-2	200		14.9 GPH	17,362	263" L x 64" W x 130" H	4,910	9,117	227" L x 64" W x 46" H	2,100 Gallons, 1,917 Usable	3,135	283" L x 64" W x 84" H



DOUBLE WALLED STORAGE TANK WITH FUEL TRANSFER PUMP FOR HUMAN REFUELING

Load Calc Sheet

Site # 5
 Name The Grande
 277/480- Fuel tank ONLY
 DUKE Account# 01196 96294
 168 KW Highest recorded peak demand for one year
 Max fuel required to maintain 168KW
 Considering published fuel consumption at 2.1.4 gallon/hr for 1/2 loaded 600 KW Genset.
 $168/300 = 56\%$ of published value with a 50% safety factor yields 21.4gal/hr x 56% x150%=18 gallon/hr
 New remote tank is therefore required to hold 96 hours x 18 gallons=1726 Gallons

120/208Y- Generator
 Duke Account# 31027 23216
 152 KW highest recorded peak demand for one year
 NEC 220.87 permits Load Calculation to be
 125% of highest one year demand, therefore

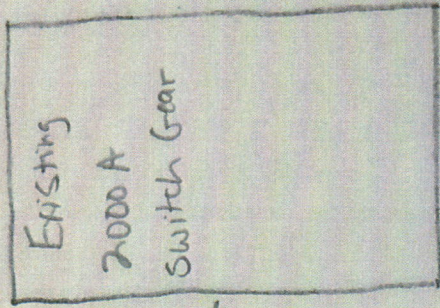
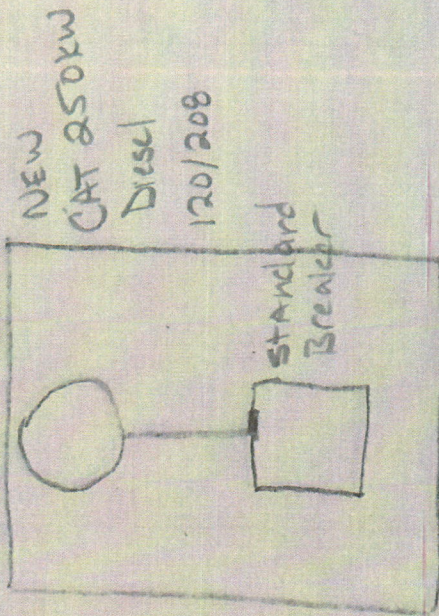
Hyd Elevators FLA=123
 Load=152 KW x 1.25= 190 KW
 add 123x120x3= 44.28KW
 234.28KW Total Load
 Fire pumps NONE
 Genset= 250 KW

DATA below for RFQ do not transfer to CAD

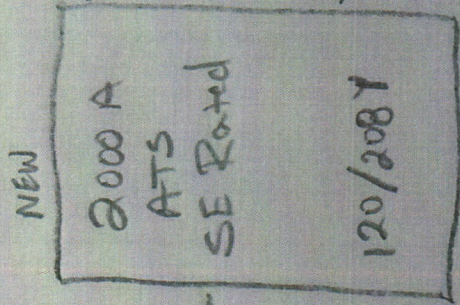
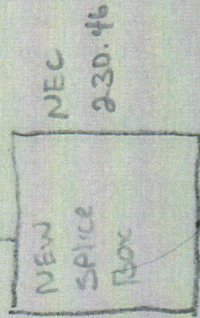
Separate EMERGENCY LOAD BREAKER	250 KW Genset	Diesel	120/208Y
MAIN BREAKER	NO		
200 MPH Hurricane Enclosure	Standard	Note: Ground Fault not required for 120V to Neutral	
96 Hour Tank- Florida			
ATS	SE Rated 2000A	120/208Y	NEMA 3R or better
Need second remote fuel tank 1726 Gallons or larger and controls for Existing Kohler 600KW			

#5 The Grande

One Line Electrical



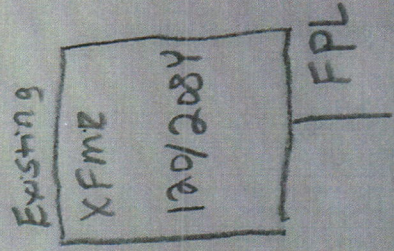
Existing
SE Conductors



4" SCH 40 PVC
4 sets of 5 350 MCM
Copper

LOAD

LINE



4" SCH 40 PVC
6 sets of 5 400 MCM
Copper
Concrete Bus Duct

Emergency Power Plan Guideline for 58AER17-1 and 59AER17-1

1. Basic information concerning the facility:
 - a. Name of facility: **The Grande**
 - b. Type of facility: **Independent Living & Assisted Living**
 - c. License Number: **11732**
2. Identify the area(s) in your facility that you plan to keep below 80 degrees: **Game room, social Room, and 83 apartments**
3. What is the square footage of the cooled area? **68000 sq/ft**
4. Identify what kind of equipment will be used to cool the areas identified (HVAC, Portable A/C, Window A/C): **All HVAC Systems in AL work on generator.**
5. Identify how many people (residents and staff) the area to be cooled will accommodate: (joint between ED and environmental) **160 people**
6. Please provide a statement for how you plan to move residents to this location: **Executive Director or designee will assign staff to relocate residents to a predetermined location. Notification of residents of cooled areas of the community and assisting as needed.**
7. Will beds be available in the cooled area?
 - a. *If yes, how many:* -- **60 Cots**
 - b. Are the beds located on site? **Stored at a central location offsite.**
8. Describe how staff will ensure the area does not exceed 80 degrees and how often the temperature will be monitored: **Wall mounted Thermostats will be used to monitor temps every hour for the duration of the outage.**
9. Describe where the generator is located at your facility:

Holiday Retirement has contracted with Covenant Services, Inc, to provide assessment and recommendations for generator selection and installation. The plans and timeline are currently in process and will be submitted immediately upon receipt by Holiday.

Covenant Services, Inc
18 Village Plaza, PMB 230
Shelbyville, KY 40065
(502)471-4801

10. Describe make, model and size of generator(s). Is the generator fixed or portable?

See response #9 for make, model, and size. Generator will be fixed.

11. If your facility is planning on installing a fixed generator, describe the construction.

Will follow the manufacturer's specs once a generator is selected.

12. Describe what emergency features the generator is capable of powering (lights, fridge, A/C, etc.) **All HVAC, Two elevators, hall lighting, main kitchen equipment. Entire building will be powered off generator.**

13. Provide a maintenance schedule for both the generator and HVAC system (include mechanism for load testing and documentation of test):

Maintenance schedule will be provided once new generator is installed. Schedule will be created based on generator manual specifications and implemented immediately. The HVAC system will have filter changes every 90 days and coil cleaning biannually

14. Describe the fuel type you will need to operate the generator:

See response #9.

15. Describe how you plan on storing 96 hours of fuel on-site:

See response #9.

16. State the procedure for how your facility will refuel before and after an emergency. If a fuel agreement is established, please provide the agreement:

The community will monitor the fuel supply monthly and ensure a full tank is maintained. The community does not have a fuel agreement established as there was no demonstrated advantage to having an agreement during hurricane Irma. Instead the company has established a relationship with Sitefuel and they are on

standby when refueling is necessary. During a power outage event, fuel supply will be monitored and documented every 12 hours. Refueling will be requested when the tank reduces to ¼ of a tank.

17. Provide a training procedure to ensure staff is aware of how to operate the emergency power to the facility:

All staff will be in-serviced on the emergency power procedure, upon hire and annually thereafter.

18. Describe how new staff will be informed of the emergency power plan:

All staff will be in-serviced on the emergency power procedure, upon hire and annually thereafter.



Existing
600KV
Gallot
Xfr
KV

New 96 hour
remote tank

New

Bollards- 6" x48" sch 40

steel concrete filled
painted traffic yellow

New
TS-2000A 120/208Y
service Entrance rated

120/208

6120

New Generator 120/208Y
250 KW 96 hour tank

725 Desoto Ave

70 ft