



QUESTIONS?
Call or email us!

Town of Chapel Hill
Office of Planning and Sustainability
Development Services 919-969-5066
planning@townofchapelhill.org

Chapel Hill Historic District Certificate of Appropriateness Application	Project:	
	Permit:	
	STAFF REVIEW	
	<input type="checkbox"/> Application complete and accepted	
	<input type="checkbox"/> Application not complete and returned with a notation of deficiencies	
Project Description: Installation of a 60 KW natural gas generator utilizing a 400 amp, dual 200 transfer switch for emergency electrical source for structure. The generator will be positioned on the backside of the structure if facing structure from East Rosemary St. The generator will be positioned onto a concrete pad providing 84" clearance from back property line (interior line setback of 6' afforded).	BY:	
	DATE:	
Instructions: Submit one paper copy and a digital copy of all application materials collated in one file (pdf preferred) Deadlines: Applications are due by the close of business 30 calendar days prior to the scheduled meeting date. Note: Only complete applications may be accepted for Certificate of Appropriateness review. Applications that are not complete will be returned with a notation of deficiencies.		

A: Property Information			
Property Address: 109 Hillsborough Street		Parcel ID Number: 9788581303	
Property Owner(s): North Carolina Alpha of Pi Beta Phi Inc		Email: ncalphachc@gmail.com	
Property Owner Address: 109 Hillsborough Street			
City: Chapel Hill	State: NC	Zip: 27514	Phone: 828-712-1992
Historic District: <input type="checkbox"/> Cameron-McCauley <input checked="" type="checkbox"/> Franklin-Rosemary <input type="checkbox"/> Gimghoul			Zoning District:
B: Applicant Information			
Applicant: E&W Electrical, LLC		Role (owner, architect, other):	Electrical contractor



QUESTIONS?
Call or email us!

Address (if different from above): 515 Meadowlands Drive		
City: Hillsborough	State: NC	Zip: 27278
Email: michael@ncgenerators.com	Phone: 919-245-0200	

C. Application Type *(check all boxes that apply)*

☒ **Minor Work** Exterior works that do not involve any substantial alterations, and do not involve additions or removals that could impair the integrity of the property and/or the district as a whole. See [Design Guidelines](#) (p. 69) for a list of minor works.

☐ **Historic District Commission Review** Includes all exterior changes to structures and features other than minor works

- | | |
|--|--|
| <input type="checkbox"/> Site-work only (walkways, fencing, walls, etc.) | <input type="checkbox"/> After-the-fact application (for unauthorized work already performed). |
| <input type="checkbox"/> Restoration or alteration | <input type="checkbox"/> Demolition or moving of a site feature. |
| <input type="checkbox"/> New construction or additions | <input type="checkbox"/> Request for review of new application after previous denial |
| <input type="checkbox"/> Sign | |

D. Basic information about size, scale, and lot placement.

Provide measurements in feet and square feet where applicable. Where possible, please provide accurate measurements from a licensed surveyor, architect, engineer, etc. If exact measurements are not available, please provide estimated information. Current estimated information about lots and buildings can be found on the [Orange County Real Estate Data](#) website. Information about lot placement can be found on the [Chapel Hill](#) and [Orange County Interactive GIS](#) portals.

Zoning District:	Minimum setbacks			Maximum heights			Lot size
	Street	Interior	Solar	Primary	Secondary		.46 acres
Required by zoning	20	6					
Proposed	90/158	7					
	Existing	Change +/-	Total	Total Floor Area Ratio			
Floor Area (main structure)				Existing	Proposed	ISA/NLA ratio	



QUESTIONS?
Call or email us!

Floor Area (all other)						Existing	Proposed
Impervious Surface Area (ISA)							27.2 sq. ft.
New Land Disturbance							

E: Applicable Design Guidelines

The Town's [Design Guidelines for the Chapel Hill Historic Districts](#) are integral to the application and review process. These guidelines supplement the required review criteria for Certificate of Appropriateness applications (provided in [Section 3.6.2\(e\)\(4\)](#) of the Land Use Management Ordinance) by providing detailed, practical considerations for how to make changes to properties while preserving the special character of their Historic District context. Please review the Design Guidelines and consider their applicability to your proposed project. (Attach additional sheets, as necessary.)

Section/Page	Topic	Brief description of the applicable aspect of your proposal
III / page 49	Guidelines: Utilities & Energy Retrofit	The proposed generator will be positioned in area on the backside of the lot that requires no demolition or disturbance of the proposed location. The location will be adjacent to an existing concrete wall which provides screening from a parking lot located on the adjacent lot. The proposed generator location provides an inconspicuous location from every lot adjacent to 109 Hillsborough Street.

F. Checklist of Application Materials

Attach the required elements in the order indicated.	ATTACHED? TO BE COMPLETED BY APPLICANT		TO BE COMPLETED BY TOWN STAFF		
	YES	N/A	YES	N/A	NO
1. Written description of physical changes proposed. Describe clearly and in detail the physical changes you are proposing to make. Identify the materials to be used (siding, windows, trim, roofing, pavements, decking, fencing, light fixtures, etc.), specify their dimensions, and provide names of manufacturers, model numbers, and specifications where applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



QUESTIONS?
Call or email us!

2. History, context, and character information. Please include a summary of what information you have relied on to understand the relevant character and history of the district and subject property—and briefly summarize that information. At a minimum, include: <ul style="list-style-type: none">□ Current property information for the lot and all structures, including Building Sketches and Building Details, from Orange County Real Estate Data.□ The entry of your property on the most recent inventory of historic resources in the relevant National Register for Historic Places filing, available via the NC State Historic Preservation Office website: for McCauley-Cameron see West Chapel Hill, for Franklin-Rosemary see Chapel Hill Historic District, for Gimghoul see Gimghoul. (If yours is one of the few properties in McCauley-Cameron or Franklin-Rosemary that has not yet been inventoried, please indicate that.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Justification of appropriateness. Attach an annotated statement explaining how the proposed change(s) meets the following standards of appropriateness that the Commission considers in making findings of fact indicating the extent to which the application is or is not congruous with the historic aspects of the historic district. If a standard is not applicable, type “not applicable”. <ul style="list-style-type: none">A. The height of the building in relation to the average height of the nearest adjacent and opposite buildings.B. The setback and placement on lot of the building in relation to the average setback and placement of the nearest adjacent and opposite buildings.C. Exterior construction materials, including texture and pattern.D. Architectural detailing, such as lintels, cornices, brick bond, and foundation materials.E. Roof shapes, forms, and materials.F. Proportion, shape, positioning and location, pattern, and size of any elements of fenestration.G. General form and proportions of buildings and structures.H. Appurtenant fixtures and other features such as lighting.I. Structural conditions and soundness.J. Architectural scale.	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Photographs of existing conditions are required. Minimum image size 4” x 6” as printed or the digital equivalent. Maximum 2 images per page.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Site Plan Set showing existing and proposed conditions. (Min. scale: 1 in. = 20 ft.) <ul style="list-style-type: none">□ Site plans must show the relationships between, and dimensions of, existing and proposed buildings, additions, sidewalks, walls, fences, driveways, and/or other structures on the property, as well as property lines and applicable zoning setbacks.□ Include both written and drawn scales and show accurate measurements. You may also use a copy of a survey with surveyor’s seal deleted. Revise the copy as needed to show existing conditions and your proposed work.	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



QUESTIONS?
Call or email us!

Indicate the area of all structural footprints (existing and proposed) in square feet; also, indicate lot size in square feet.					
6. Elevation Drawings showing existing structural facades and proposed changes. Drawings should be submitted as 11" x 17" or 8-1/2" x 11" reductions of full-size drawings. All details should be reasonably legible. Photographs are okay for facades with no changes. <ul style="list-style-type: none"><input type="checkbox"/> Elevation drawings showing all proposed changes above current grade from front, back, and both sides.<input type="checkbox"/> Include scale bar, written scale, and label major dimensions (including width of structures and heights from finished grade to fascia/eaves and heights to top of roofs).<input type="checkbox"/> Label materials to be used (roofing, siding, windows, trim, light fixtures, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Information about context (required for all construction of new structures, proposed impervious surfaces greater than 1500 SF, additions greater than 150 SF, and/or proposed land disturbance greater than 5000 SF.) Detailed information about lots and structures can be found on the Orange County Real Estate Data website; information about lot placement can be found on the Chapel Hill and Orange County GIS portals. For each of the nearest adjacent and opposite properties, provide: <ul style="list-style-type: none"><input type="checkbox"/> The height of each building (if an estimate, indicate that).<input type="checkbox"/> The setbacks and lots placement of each building (an image from the Town GIS database, including scale, is sufficient).<input type="checkbox"/> The size of each lot (net land area in square feet).<input type="checkbox"/> The size of all buildings on the nearest adjacent and opposite properties, including building footprint areas, Floor Areas (in square feet), and Floor Area Ratios. Provide current figures from Orange County Real Estate Data; indicate any corrections for accuracy you believe necessary and your basis for doing so.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Demolition/Relocation Information (required only if demolition or relocation of a feature is proposed). <ul style="list-style-type: none"><input type="checkbox"/> Provide a written description of architectural features, additions, remodeling, and any alterations to the structure(s). Make note of any outbuildings on the site plan of the property.<input type="checkbox"/> Provide a history of the structure, giving the construction date and architect or carpenter, briefly noting any significant events, persons and/or families associated with the property. Provide current exterior photographs of the property (4" x 6" as printed or the digital equivalent). If information is unknown, please provide a summary of sources consulted.<input type="checkbox"/> If an argument about structural soundness is being made, attach a signed and sealed report from a professional engineer.<input type="checkbox"/> As necessary, attach a statement explaining how a delay in demolition would	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



QUESTIONS?
Call or email us!

Town of Chapel Hill
Office of Planning and Sustainability
Development Services 919-969-5066
planning@townofchapelhill.org

cause the property owner to suffer extreme hardship or be permanently deprived of all beneficial use or return from such property by virtue of the delay. Provide any records about the structure to be demolished.					
9. Mailing notification fee per Planning & Sustainability Fee Schedule . For a list of addresses, please refer to the Town's Development Notification Tool .	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Certificate of Appropriateness fee per Planning & Sustainability Fee Schedule	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G: Applicant signature

I hereby certify that I am authorized to submit this application; that all information is correct to the best of my knowledge, and all work will comply with the State Building Code and all other applicable State and local laws, ordinances, and regulations.



QUESTIONS?
Call or email us!

Town of Chapel Hill
Office of Planning and Sustainability
Development Services 919-969-5066
planning@townofchapelhill.org

I acknowledge and agree that the Historic District Commission members, Town employees, and Town agents may enter, solely in performance of their official duties and only at reasonable times, upon the applicant's property for examination or survey thereof pursuant to North Carolina General Statute 160A-400.8. However, no member, employee, or agent of the Historic District Commission may enter any private building or structure without the express consent of the owner or occupant thereof.

I understand and agree that an approved Certificate of Appropriateness is valid only for the particular application, plans, specifications and related project details presented to, and approved by, the Historic District Commission. If any of the data contained in this application, any plans or any specifications presented to the Commission are changed or altered for any reason, including, but not limited to, changes or alternations deemed practically necessary during construction, required due to subsequent Town reviews, or otherwise, a new hearing before the Historic District may be required. By signing below, the applicant agrees to notify the Development Services Center of any changes or alternations in the data contained in this application, the approved plans or the approved specifications related to the project that is the subject of this application.

Hearings on Certificate of Appropriateness applications before the Commission are quasi-judicial proceedings. Therefore, Historic District Commission members are not permitted to discuss a pending application with the applicant or other party. By signing below, the applicant agrees to refrain from speaking with or contacting any member of the Historic District Commission about an application outside of the formal evidentiary hearing on the application.

Michael S. Williams

Applicant (printed name)

Signature

Date

Morgan Marshall-Clark

Morgan Marshall-Clark

7/25/2018

Property Owner

Signature

Date

(if different from above)



QUESTIONS?
Call or email us!

Town of Chapel Hill
Office of Planning and Sustainability
Development Services 919-969-5066
planning@townofchapelhill.org

Certificate of Appropriateness Supplemental Requirements

***In addition to [Residential](#) Zoning OR [Administrative](#) Zoning Compliance Permit Requirements**

Certificate of Appropriateness applications are subject to review and approval by the Historic District Commission as well as by Town staff. For assistance with this application, please contact the Chapel Hill Planning Department.

Please submit *all* materials listed on this sheet. The Historic District Commission meets on the second Tuesday of each month at 6:30 pm. For confirmation of a meeting date and the placement of your request on the agenda, please call the Planning Department. **Applications are due one month in advance of meeting.**

Application Process:

1. Historic District Commission Review of Certificate of Appropriateness (COA) Supplemental materials
2. Staff review of Residential / Administrative Zoning Compliance Permit (ZCP) materials

****COA (step 1) and ZCP (step 2) materials may be submitted simultaneously or separately.**

Required Application Materials

(In addition to [Residential](#) Zoning Compliance Permit or [Administrative](#) Zoning Compliance Permit Requirements)

An Electronic copy of each document is required in addition to paper copies.

Provide a single set of the following materials:

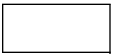
- | | |
|--|--|
| | 1. Application Form. Either Residential Zoning Compliance or Administrative Zoning Compliance. |
| | 2. Recorded plat or deed verifying property's current ownership |
| | 3. Recorded plat of easements, right-of-way, and dedications, if applicable |
| | 4. Mailing List of Property Owners , applicable within 100 feet of property boundaries
The Town will prepare a formal notice to be mailed to surrounding property owners about the application. You may find it helpful to discuss the proposed changes with your neighbors in person so you can address their concerns both in your planning and presentation. |
| | 5. Mailing notification fee. The fee per address can be found on the Planning Department's Fee Schedule . |
| | 6. Certificate of Appropriateness fee per Planning Department's Fee Schedule |
| | 7. Reduced Site Plan Set (reduced to 8.5" x 11") |
| | 8. Building Elevations (label building height from top of roof to finished grade line) |
| | 9. Floor Plan, only if accessory apartment, duplex, or commercial application. |



QUESTIONS?
Call or email us!



(Continued)

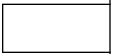


10. Written Description

Describe all proposed changes to the property, list all materials to be used, and address the criteria (listed below) that the Commission uses to determine appropriateness. Presenting your proposal with these criteria in mind will provide a clear basis for the Commission's deliberations.

- a) The height of the building in relation to the average height of the nearest adjacent and opposite buildings;
- b) The setback and placement of the building on the lot in relation to the average setback and placement of the nearest adjacent and opposite buildings;
- c) The exterior construction materials, including textures and patterns;
- d) The architectural detailing such as lintels, cornices, brick bond, and foundation materials;
- e) The roof shape, form, and materials;
- f) The proportion, shape, location, pattern, and size of any elements of fenestration (windows, doors);
- g) The general form and proportion of the buildings;
- h) The accessory fixture and other features (including lighting fixtures, hardware, awnings, etc.);
- i) The architectural scale in relation to existing structures and surrounding buildings; and
- j) Structural conditions and soundness.

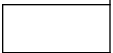
Provide photographs of existing property and elevation drawings of the proposed changes. Depict changes in as much detail as possible, paying special attention to those features which the Commission uses to determine appropriateness. This section of the application allows the Commission to see the current state of the property, to visualize the proposed changes, and to assess the impact. The visual description must include dimensions. For new buildings and major additions, the visual description must include the interior floor plan.



11. Information Regarding Surrounding Properties

For new construction or large projects, the applicant is required to provide information on:

- The height of the nearest adjacent and opposite buildings;
- The setback and placement of the nearest adjacent and opposite buildings;
- The scale of the nearest adjacent and opposite buildings, including percentage of lot coverage.



12. Demolition Information (if applicable)

Provide a description of architectural features, additions, remodeling, and any alterations to the structure(s). Make note of any outbuildings on the site plan of the property. Provide a history of the structure, giving the construction date and architect or carpenter, briefly noting any significant events, persons, and/or families associate with the property.

August 24, 2018

Justification of appropriateness proposed generator installation:

109 Hillsborough Street
Chapel Hill, NC 27514

We have proposed the installation of an automatic gaseous (natural gas generator) for the property stated above.

The proposed generator provides an emergency or secondary electrical source if the utility source fails. The property provides habitat for the Pi Beta Phi sorority members attending the University of Chapel Hill. The structure provides meal services for the members of the sorority for this structure as well as additional members assigned to other structures associated with the sorority, approximately 200 students. Two meals each day are provided and if an electrical source is not available hardships to sorority members exist. Utility power outages can occur at any time with no warning creating hazard, hardships and inconvenience. In an attempt to help prepare for the inevitable, the owners, North Carolina Alpha of Pi Beta Phi Inc., have taken steps to offset the hazards, hardships, and inconvenience for the members of the sorority.

The generator proposed is a 60 KW Briggs & Stratton product that will provide an alternate source for the entire structure utilizing load management to offset some overload potential as per load usage supplied by the utility entity. The dimensions of the generator are (length - 98", width - 39.4", height - 43"). The generator utilizes a 5.7 L engine operating at 1800 rpm minimizing the decibel level.

The proposed location has taken into account the historic guidelines for mechanical equipment, providing an inconspicuous location so that surrounding lots really will not see the generator. The proposed generator location cannot be seen from the adjacent Hillsborough or Rosemary streets. There exist a concrete wall adjacent to the proposed generator location with height greater than that of the proposed generator. The generator will be placed affording the required interior setback requirements of six feet. Additionally the area immediately adjacent to the proposed generator location is a parking lot.

E & W Electrical, LLC

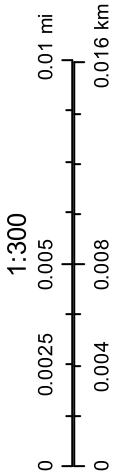
Michael S. Williams
President

109 Hillsborough St.



August 10, 2018 This map contains parcels prepared for the inventory of real property within Orange County, and is compiled from recorded deed, plats, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The county and its mapping companies assume no legal responsibility for the information on this map.

PIN: 9788581303	
OWNER 1:	NORTH CAROLINA ALPHA OF PI BETA PHI INC
OWNER 2:	DEED REF: 0.46 A
ADDRESS 1:	165 LOUISIANA AVE
ADDRESS 2:	RATECODE: 22
	TOWNSHIP: CHAPEL HILL
CITY:	BLDG SQFT: 7571
STATE, ZIP:	NC 28806
LEGAL DESC:	SW INT & E ROSEMARY ST & HILLSBOROUGH ST
	BUILDING COUNT: 2
	LAND VALUE: \$380,000
	BLDG_VALUE: \$902,300
	USE_VALUE: \$0
	TOTAL VALUE: \$1,282,300
	DATE SOLD: 1/30/1985
	TAX STAMPS: 0





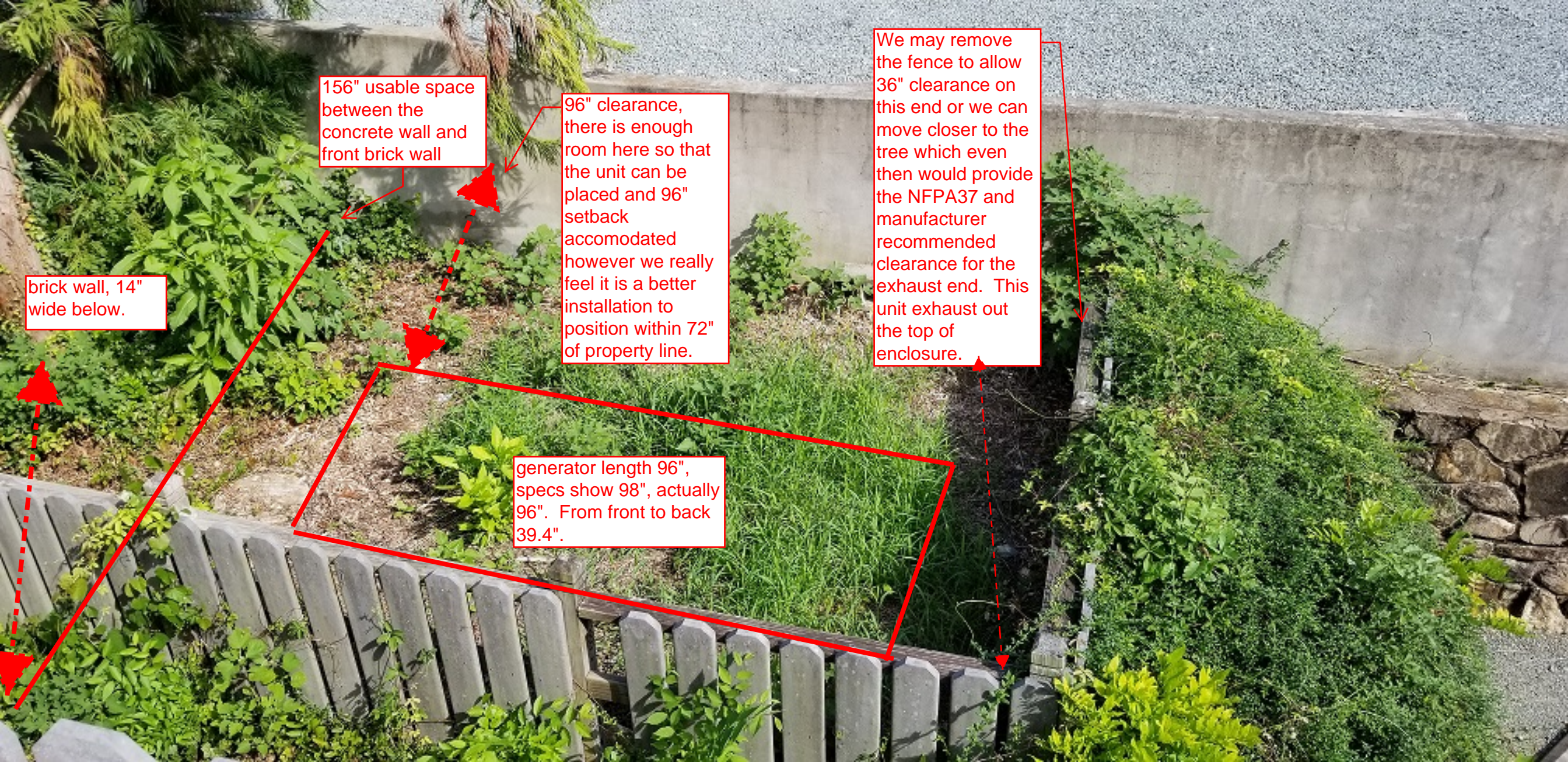
brick wall, 14" wide below.

156" usable space between the concrete wall and front brick wall

96" clearance, there is enough room here so that the unit can be placed and 96" setback accomodated however we really feel it is a better installation to position within 72" of property line.

We may remove the fence to allow 36" clearance on this end or we can move closer to the tree which even then would provide the NFPA37 and manufacturer recommended clearance for the exhaust end. This unit exhaust out the top of enclosure.

generator length 96", specs show 98", actually 96". From front to back 39.4".





60kW¹ STANDBY GENERATOR

BRIGGS & STRATTON® THE SMART CHOICE

Durable backup power for businesses and luxury homes. Help eliminate losses from power outages with a Briggs & Stratton® Commercial Standby Generator.



FORTRESS™

Introducing our dealer exclusive line. Available at your local Briggs & Stratton Dealer with these great features:

- The industry's most comprehensive warranty²
- Block heater keeps engine warm for easy starting in cold weather



Corrosion Resistant Aluminum Enclosure

- Durable enclosures are built to last, protecting against extreme weather conditions and corrosion

Easy to Service

- Convenient internal swing open doors allow you to easily access the engine; no more taking apart the bolted finger guards, saving you precious time and the hassle of disassembly

Quality Clean Power

- Ensures your electronics are safely powered

Durable Industrial Engine

- Found in industrial applications, the premium industrial 1,800 RPM engine provides strong, reliable power without giving up quiet operation or durability

Custom Built Options

- A complete line of standby generators for commercial applications with multiple voltage configurations and controller options

NFPA 110 Capable

- Suitable for NFPA 110 applications when installed with required NFPA 110 accessories and installation methods



GENERATOR SET RATINGS

MODEL	VOLTAGE	POWER FACTOR	PHASE	HZ	BREAKER	LIQUID PROPANE		NATURAL GAS		CONTROLLER
						LP KW ¹	LP AMPS	NG KW ¹	NG AMPS	
Fortress 076860	120/240	1	1	60	300	60	250	55	229	Briggs & Stratton
Briggs & Stratton 076360	120/240	1	1	60	300	60	250	55	229	Briggs & Stratton
Briggs & Stratton 076161	120/208	0.8	3	60	225	62	215	55	191	InteliNano
Briggs & Stratton 076163	120/240	0.8	3	60	300	62	187	55	166	InteliNano
Briggs & Stratton 076165	277/480	0.8	3	60	100	62	93	55	83	InteliNano
Briggs & Stratton 076361	120/208	0.8	3	60	225	62	215	55	191	InteliLite
Briggs & Stratton 076363	120/240	0.8	3	60	300	62	187	55	166	InteliLite
Briggs & Stratton 076365	277/480	0.8	3	60	100	62	93	55	83	InteliLite

¹ This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

² Warranty details available at www.briggsandstratton.com



ENGINE SPECIFICATIONS

ENGINE		LUBRICATION	
Engine Model	5.7L Industrial Powertrain	Oil Capacity (qts / ltrs)	4.5 / 4.3
Engine Type	8 Cylinder, 4-Cycle	Oil Capacity with Filter (qts / ltr)	5.0 / 4.7
Engine Speed (RPM)	1800	Oil Filter (quantity / type)	1 / Spin-on
Engine Fuel	Liquid Propane Vapor (LPV) or Natural Gas (NG)	Lubrication System	Full Pressure
Induction System	Naturally Aspirated	Recommended Oil	API GF-4 10W30
Air Filter Type	Dry	ALTERNATOR SPECS	
Displacement (ltr / cc)	5.7 / 5736	Type	4-Pole, Rotating Field
Freq Reg NL to FL	Isochronous	Voltage Regulator	Solid State, Volts / Hz
Block Heater	Included	Insulation (rating)	Class H
Governor Type	Electronic	Designed Temperature Rise Limit	125°C
Frequency Regulation	+ / -5%	Bearing (quantity / type)	1 / Sealed
Starter Motor Rated Voltage	12 Volt	Voltage Reg NL to FL	+ / -1.0%
Battery (volts dc / cca)	12 Volt / 775	Frequency Compensation	8V / Hz Voltage Drop Below 55 Hz
ENGINE OUTPUT DERATINGS - STANDBY		ENGINE FUEL SYSTEM SPECIFICATIONS	
Rated Temp	104°F / 40°C	Recommended Fuel LP min LHV (btu / ft ³) NG min LHV (btu / ft ³)	2260 890
Rated Altitude	Sea Level	Fuel Supply Pressure (in H ₂ O)	7-11 (at full load)
Max Altitude	15,000 ft	Fuel Supply Line at Engine (npt)	1"
Temperature Derate	1% for each 10°F (5.6°C) above rated temp		
Altitude Derate	3% / 1000 ft		

OPERATIONS

FUEL CONSUMPTION ³					SOUND RATING AT 7 METERS PER ISO 3744	
50% Load			100% Load		68 dBA	
Liquid Propane	233 ft ³ / hr	6.5 gal / hr	320 ft ³ / hr	8.9 gal / hr	Lowest measurement of 12 microphones around generator. Sound level measurement at other locations around generator may be different depending upon installation configuration.	
Natural Gas	512 ft ³ / hr	512,000 btu / hr	682 ft ³ / hr	682,000 btu / hr		

¹ This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

³ Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors.



ADDITIONAL INFORMATION

OTHER FEATURES

Enclosure Material Corrosion-Resistant Aluminum

WEIGHT AND DIMENSIONS

Assembled Weight (lbs / kg) 2020 / 915

Overall Dimensions (in) 98 x 39.4 x 43

Packaged Weight (lbs) 2420 / 1100

Packaged Dimensions (in) 104 x 51 x 48

BATTERY CHARGERS FOR INTELINANO/INTELILITE

Standard 6279

NFPA 110 6339

CERTIFICATION

CARB Compliant Yes

UL Listed to 2200 Yes

cUL Listed to CSA 22.2 NO 100-04 Yes

NEMA Compliant Yes

EPA Certified Fuel System Yes

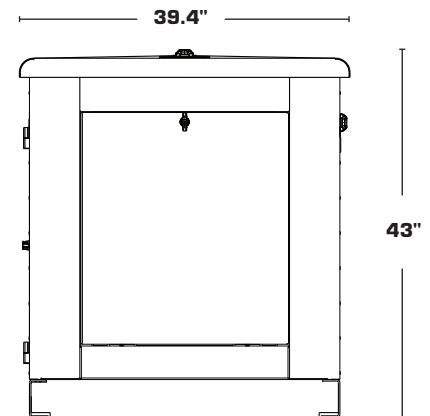
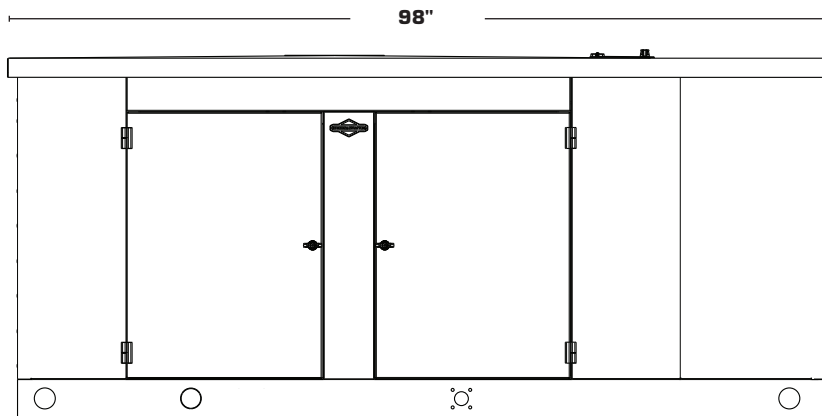
AVAILABLE ACCESSORIES

Battery Warmer 6343

Basic Wireless Monitor 6229

InfoHub 6260

Remote Status Monitor 6144



STANDARD CONTROLLERS

**Briggs & Stratton®
Standard AMF Controller
for Single Phase**

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- Single-phase generator application only
- UL recognized

**IntelINano (NT) Controller
for 3-Phase**

- 3-phase generator application only
- Large graphical display
- 3-phase voltage sensing
- “Zero” power consumption mode
- Easy installation and user-friendly operation
- 10 event history log
- USB communication interface
- Six binary inputs, three analog inputs
- Two low-current and two high-current binary outputs
- UL recognized

OPTIONAL CONTROLLERS

**IntelILite (NT) Controller**

- 3-phase and single-phase generator applications
- 3-phase voltage sensing
- Current sensing
- Seven binary inputs, three analog inputs
- Seven binary outputs
- Additional input/output accessories available
- Various communication modules available
- Remote control and monitoring capabilities
- UL recognized

**IntelILite Accessories
(sold separately)**

- Remote Annunciator, NFPA 110 Compliant (6334)
- Remote Display (6353)
- IL-NT GPRS (6354)
- IB-LITE (6355)
- IL-NT RS232-485 (6356)
- IL-NT S-USB (6357)

¹ This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

**FUEL PIPE SIZE RECOMMENDATION CHART (CAPACITY IN THOUSANDS OF BTU / HOUR)****Natural Gas / Inlet Pressure less than 2 PSI / Pressure Drop 1/2" Water Column / Specific Gravity 0.60**

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
20' Length*	118	247	466	957	1,430	2,760
40' Length*	81	170	320	657	985	1,900
60' Length*	65	137	257	528	791	1,520
80' Length*	56	117	220	452	677	1,300
100' Length*	50	104	195	400	600	1,160

Liquid Propane / Inlet Pressure 11" Water Column / Pressure Drop 1/2" Water Column / Specific Gravity 1.50

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
20' Length*	200	418	788	1,617	2,423	4,666
40' Length*	137	287	541	1,111	1,665	3,207
60' Length*	110	231	435	892	1,337	2,575
80' Length*	101	212	400	821	1,230	2,370
100' Length*	101	212	400	821	1,230	2,370

*Total length of piping from outlet of regulator to appliance furthest away.

**6 LIMITED WARRANTY²
PARTS, LABOR, TRAVEL****5 LIMITED WARRANTY²
PARTS, LABOR, TRAVEL**

MODEL NUMBER	Fortress 076860	Briggs & Stratton 076360
		Briggs & Stratton 076161
		Briggs & Stratton 076163
		Briggs & Stratton 076165
		Briggs & Stratton 076361
		Briggs & Stratton 076363
		Briggs & Stratton 076365

¹ This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

² Warranty details available at www.briggsandstratton.com

Disclaimer: Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations.

BRIGGS & STRATTON CORPORATION

POST OFFICE BOX 702

MILWAUKEE, WI 53201 USA

Copyright ©2017. All rights reserved. BS1007-K – 2/17

**SUPPORT EVERY STEP
OF THE WAY****NEED HELP? Just call 800-759-2744**

Our technical support team is trained to answer questions on our generators, transfer switches and accessories.

**CALL TODAY FOR A FREE
IN-HOME ESTIMATE!
800-743-4115**