



Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

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- Social Security Numbers
- Drivers' License Numbers
- Unlisted Phone Numbers
- Credit Card Numbers
- Bank Account Numbers and Balances

For further information, consult with the Township Clerk, Township Archivist or Township Attorney prior to release.

A handwritten signature in black ink, appearing to read "Bryan J. Dickerson", is written over the printed name.

Bryan J. Dickerson, CA, CMR
Township Archivist

Issued: 8 January 2020



Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

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A handwritten signature in black ink, appearing to read "B. Dickerson", is written over the printed name.

Bryan J. Dickerson, CA, CMR
Township Archivist

Image File Created:

SCANNED BY:
V SCIARAPPA JR 3/11/2025 11:03:57 AM



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII C-23-004391

I. IDENTIFICATION

1. Proposed Work Site at: 636 Winding River Rd, Brick 08724

2. Name of Owner in Fee: Jennifer + Mark T RONCORI
Tel. _____ e-mail _____
Address 636 Winding River Road, Brick 08724
street municipality zip code

3. Ownership in Fee Public _____ Private _____

4. Principal Contractor: CORBIN ELECTRICAL SERVICES Tel. (732) 536-0444
Address 35 VANDERBURG ROAD e-mail Info@corbinelectric.com
MARLBORO, NJ 07746

License No. OR, if new home, Builder Reg. No. 6419 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 22-3121404 FAX: (732) 536-8547

5. Architect or Engineer _____ Contact _____
Address _____ e-mail _____
Tel. _____ FAX: (_____) _____

6. Responsible Person in Charge once Work has Begun MARC SHEINER
Tel. 732) 536-0444 FAX: (_____) _____

V. FEE SUMMARY (for office use only)		Update	Update
1. Building	\$		
2. Electrical	\$	<u>245</u>	
3. Plumbing	\$		
4. Fire Protection	\$		
5. Elevator <u>Mechanical</u>	\$	<u>125</u>	
6. Subtotal	\$		
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	\$	<u>30</u>	
10. Subtotal <u>2</u>	\$		
11. Cert. of Occupancy	\$		
12. Other	\$		
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS (office use only)

1. Number of Stories _____

2. Height of Structure _____ ft.

3. Area — Largest Floor _____ sq. ft.

4. New Building Area _____ sq. ft.

5. Volume of New Structure _____ cu. ft.

6. Max. Live Load _____

7. Max. Occupancy Load _____

8. If Industrialized Building: State Approved _____ HUD _____

9. Total Land Area Disturbed _____ sq. ft.

10. Flood Hazard Zone _____

11. Base Flood Elevation _____ ft.

12. Wetlands yes _____ no _____

IIa. PROPOSED WORK

☐ Minor Work Generator ☐ New Building ☐ Addition ☐ Demolition

☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction

☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES (Check all that apply)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
☐ Building									
☐ Electrical					<u>1-2-24</u>	<u>JP</u>			
☒ Plumbing <u>Wet</u>					<u>12-12-23</u>	<u>WIM</u>			
☐ Fire Protection									
☐ Elevator									
TOTAL COST									

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale	_____
Gained, Rental	_____
Lost, Sale	_____
Lost, Rental	_____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases

2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/Dumbwaiters/Moving Walks	4. ☐ Refrigeration Systems	8. ☐ Smoke Control Systems in Open Wells	12. ☐ Fire Alarm
2. ☐ High Pressure Boilers	5. ☐ Cross-Connections/Backflow Preventers	9. ☐ Underground Storage Tanks	
3. ☐ Pressure Vessels	6. ☐ Hazardous Uses/Places of Assembly	10. ☐ Swimming Pools, Spas and Hot Tubs	
	7. ☐ Sprinklers/Standpipes	11. ☐ LPGas Tanks	

RECEIVED 4/2/24

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals, including such certification as the construction official may require, have been given or will be given prior to permit issuance.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals, including such certification as the construction official may require, have been given or will be given prior to permit issuance.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

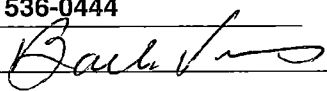
☒ Check if contractor.

Agent Name **CORBIN ELECTRICAL SERVICES, INC.**

Address **35 VANDERBURG ROAD**

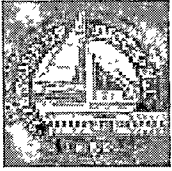
MARLBORO, NJ 07746

Telephone **(732) 536-0444**

Signature 

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:23-2.15(b)4.

IV. ☐ HOME ELEVATION: Include Home Elevation Contractor Certification as per N.J.S.A. 52:27D-123.16.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 3/18/2024
Control Number C-23-004391
Permit Number 24-0036
Permit Issue Date 1/3/2024
Certificate Number 24-0036

Certificate
Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 636 WINDING RIVER RD. Brick Township, Block: 1385.07 Lot: 9 Qual: NJ
Owner in Fee: TRONCONE, MARK A & JENNIFER
Owner Address: 636 WINDING RIVER RD BRICK NJ 08724
Telephone: [REDACTED]
Contractor: CORBIN ELECTRICAL SERVICES INC
Address: 35 Vanderburg Road Marlboro NJ 07746
Telephone: (732) 536-0444 Fax: (732) 536-8547 Federal Emp. Number: 22-3151404
License Number or Builders Registration Number:
Home Warranty Number: Type of Warranty Plan: ☐ State ☐ Private
Use Group: R-5 Construction Classification:
Maximum Live Load: Maximum Occupancy Load:
Description of Work/Use: GENERATOR

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of:
Conditions to be met:

David Newman Jr

Construction Official
Date Printed: 3/18/2024

U.C.C. F260 (rev. 08/05)

Fee: \$0.00
Check Number:
Collected By:



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1365-07 Lot 9 Qualification Code _____
Work Site Location 636 Winding River Road, Brick 08724

Owner Corbin Electric Services, Inc.

Address 436 Winding River Rd, Brick 08724

Contractor: Corbin Electric Services, Inc. Tel. 732 536-0444

Address 35 Vandenburg Road e-mail Info@corbinelectric.com

Marlboro, NJ 07746

Contractor License No. 6419 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 22-3121404 FAX: 732 536-8547

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 15,200

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

[] Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

[x] Electric Plans Approved

Date: 1-2-24 Approved by: _____

Joint Plan Review Required:

[] Bldg. [] Plumb. [] Fire. [] Elev.

SUBCODE APPROVAL for PERMIT

Date: 1-2-24

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: 3-15-24

Approved by: _____

INSPECTIONS

Dates (Month/Day)

Type: Failure Failure Approval Initial

Rough

Barrier-Free

Trench

Temp. Serv.

Constr. Serv.

TCO

Other

Service

Final

Barrier-Free

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner, and I am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here:

Print name here: STEVEN CORBIN

☒ Licensed Electrical Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Generator, transfer switch

QTY. SIZE ITEMS

Lighting Fixtures

Receptacles

Switches Smart Management Module

Detectors

Light Poles

Motors—Fract. HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

Whole House Surge Protector

TOTAL NUMBERS \$ _____

Pool Permit/with UW Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptacle

KW Oven/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

KW Baseboard Heat

HP Motors 1/+ HP

1 19.5 KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

1 200A Auto transfer switch

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____



CONSTRUCTION PERMIT

Date Issued JAN 03 2024
Control # C-23-004391
Permit # 24-0036

IDENTIFICATION Block: 1385.07 Lot: 9 Qualifier
Work Site Location: 636 WINDING RIVER RD. Brick Township, NJ Contractor CORBIN ELECTRICAL SERVICES INC
Address 35 Vanderburg Road Marlboro NJ 07746
Owner in Fee TRONCONE, MARK A & JENNIFER
636 WINDING RIVER RD BRICK NJ 08724 Telephone: (732) 536-0444
Lic. No. or Bldrs. Reg. No. 13VH06690800 6419 19HC00070800
Telephone: [REDACTED] Federal Employee. No. 22-3151404

Is hereby granted permission to perform the following work:

- ☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☒ OTHER

DESCRIPTION OF WORK:

GENERATOR

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$15,850

Daniel J. Newman Jr.
Construction Official

1/3/24
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$245
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$125.00
DCA Training Fee	\$30
CO Fee	
Other	\$0
Total	\$400
Check No. <u>5503</u>	<u>15</u>
Cash	\$0
Credit	\$0
Collected By <u>A</u>	<u>475</u>

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

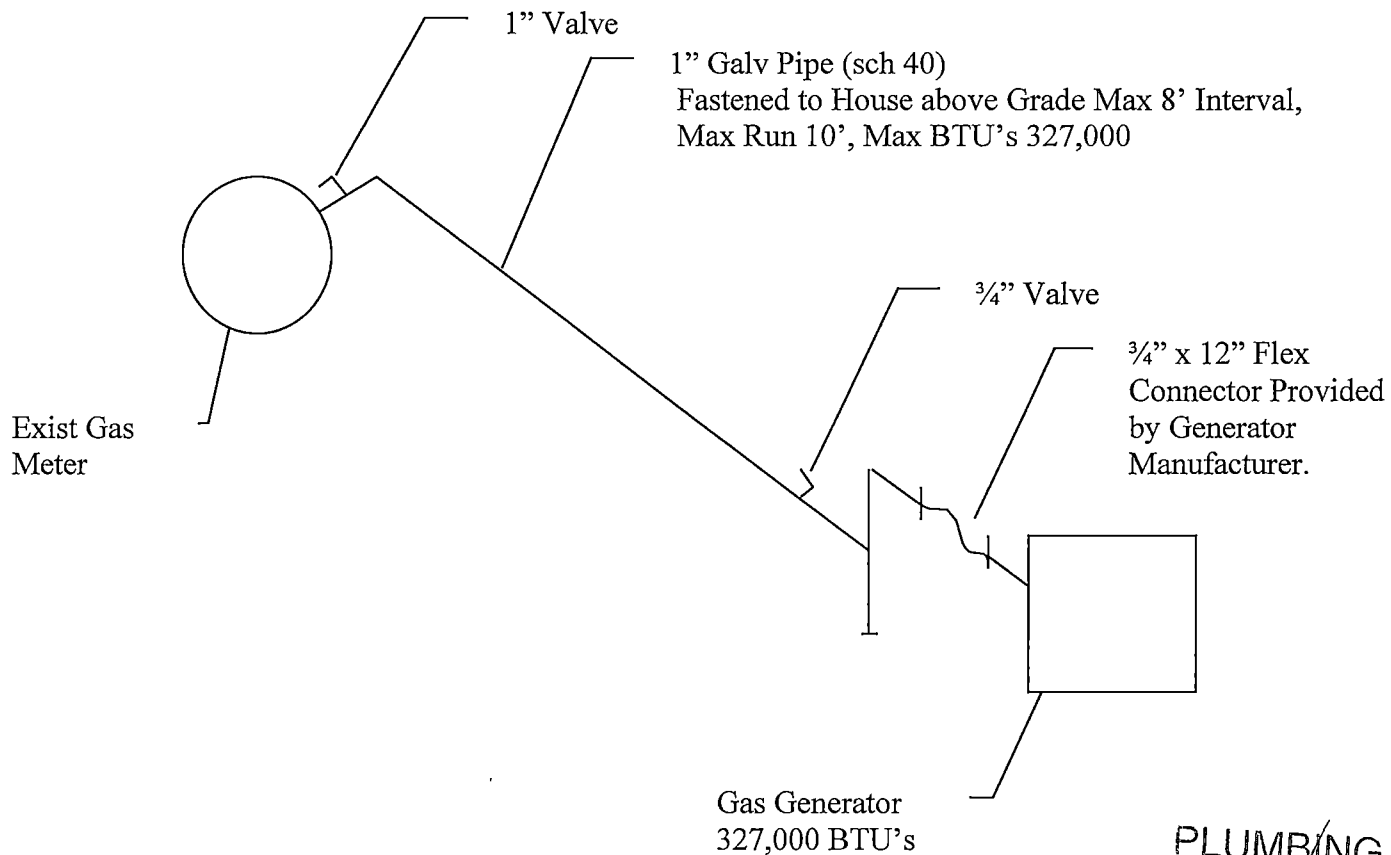
Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



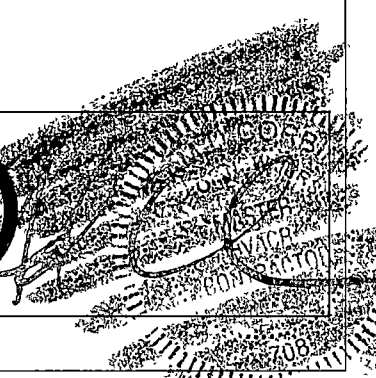
PLUMBING
DEC 12 2023
APPROVED

FILE COPY

GAS ISOMETRIC DIAGRAM

Jennifer & Mark Troncone
636 Winding River Road
Brick, NJ 08724
Block 1385.07 Lot 9
11/16/2023

Corbin Electrical Services, Inc.
35 Vanderburg Rd.
Marlboro, NJ 07746
732-536-0444 (f) 732-536-8547
License #19HC00070800



RECEIVING CLERK _____
DATE REC'D _____

ZONING PERMIT APPLICATION

PERMIT # 24-00004
DATE ISSUED JAN 03 2024

BLOCK: 1385.07 LOT: 9 QUALIFIER: _____ SITE ADDRESS: 636 Winding River Road

IDENTIFICATION:

1. NAME OF OWNER IN FEE: Tennifer + Mark Troncone
COMPLETE ADDRESS: 636 Winding River Road
Brick, NJ 08724

PHON _____

2. NAME OF APPLICANT: Carbin Electrical Services

APPLICANT ADDRESS: 35 Vandenberg Rd
Marlboro NJ 07246

PHONE # 732-536-0444 EMAIL: blarrius@carbin-electric.com

3. RESPONSIBLE PERSON FOR WORK: _____

PHONE# _____ FAX# 732-536-8547

4. SIGNATURE OF APPLICANT: [Signature]

FOR OFFICE USE ONLY

FEE SUMMARY:

APPLICATION FEE: \$ 75-
OTHER: \$ _____
TOTAL: \$ 75-

REQUIRED BY APPLICANT

RESIDENTIAL: ☒
COMMERCIAL: ☐
EXISTING USE: SR
PROPOSED USE: SR

BOARD APPROVAL: _____ PB _____ ZB _____
RESOLUTION#: _____
APPROVAL DATE: _____

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

*NEW BUILDING: _____ *ADDITION _____ *ALTERATION _____ *PORCH _____ *DECK _____

POOL: ABOVE GROUND _____ IN GROUND _____ FENCE: HEIGHT _____ TYPE _____

HEIGHT: _____ (*APPLICABLE)

OTHER: Generator

DESCRIPTION: install Standby generator 2' x 4' x 29" (H)

ZONING REVIEW: _____

DATE REVIEWED: 12-5-23 DATE DENIED: _____

DATE APPROVED: 12-9-23

INTLS: cu

(SEE BACK PAGE)

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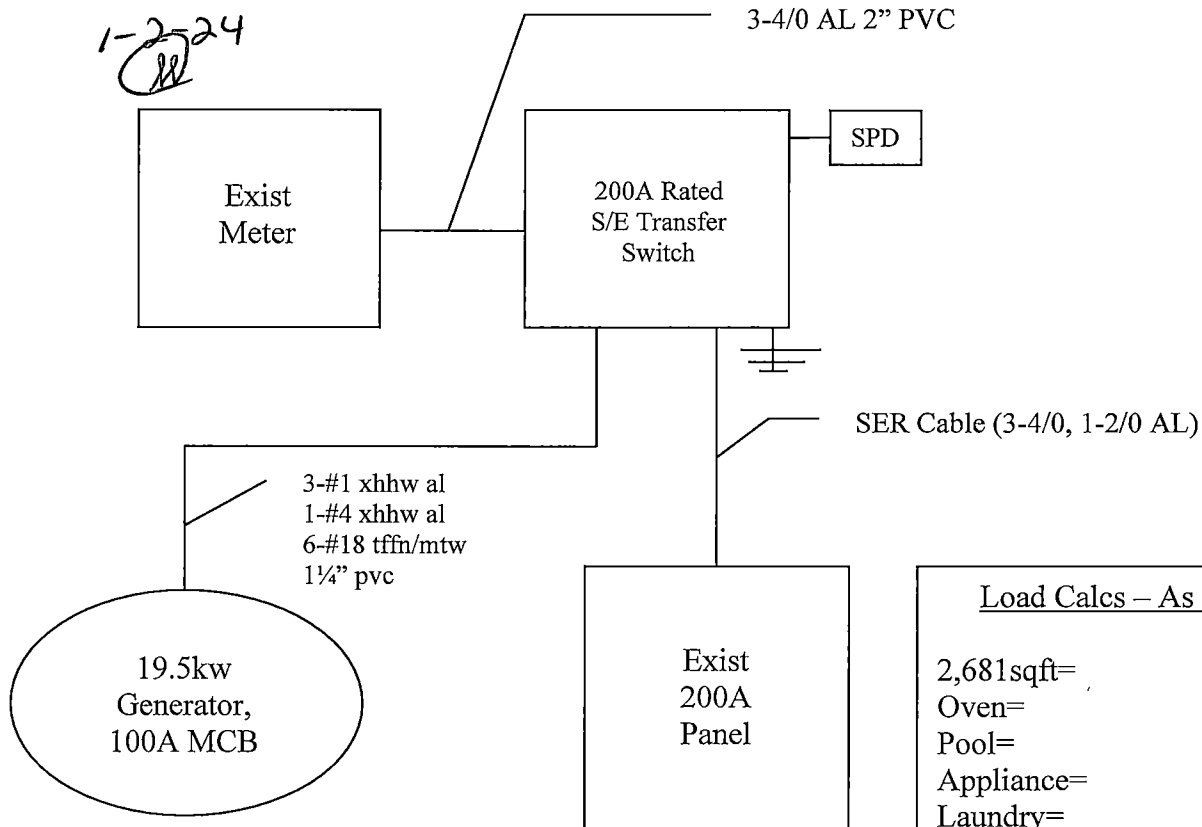
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GENERATOR ONE-LINE DIAGRAM

*Control contacts for load management

*Field locate

Load Calcs – As per 220.82

2,681sqft=	8,043VA
Oven=	7,200VA
Pool=	2,238VA
Appliance=	3,000VA
Laundry=	1,500VA
Air Handler=	1,160VA
Micro=	1,000VA
Dishwasher=	<u>1,200VA</u>
Total	25,781VA

Demand	
1 st 10kVA=	10,000VA
Bal @ 40% gen=	<u>6,312VA</u>
Total=	16,312VA*

*A/C load has been omitted due to load shed capability of generator

Jennifer & Mark Troncone
636 Winding River Road
Brick, NJ 08724
Block 1385.07 Lot 9
11/16/2023

Corbin Electrical Services, Inc.
35 Vanderburg Rd.
Marlboro, NJ 07746
732-536-0444 (f)732-536-8547
License #6419



FILE COPY

FILE COPY

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: _____

PERMIT #: _____

BLOCK: 1385.07 LOT: 9 ADDRESS: 636 Winding River Rd**IDENTIFICATION:**

1. WORK SITE ADDRESS: 636 Winding River Rd
2. NAME OF OWNER IN FEE: Jennifer Mark Troncone
- ADDRESS: 636 Winding River Rd PHONE: [REDACTED]
- Brick, NJ 08724 FAX #: ()
3. PRINCIPAL CONTRACTOR: Calvin Electrical Services
- ADDRESS: 35 Vandenberg Rd PHONE #: 732-536-0444
- Marlboro, NJ 07746 FAX #: 732-536-8547
4. ARCHITECT OR ENGINEER: _____
- ADDRESS: _____ PHONE: # ()
5. RESPONSIBLE PERSON FOR WORK: Calvin Electric
- ADDRESS: _____
- PHONE #: 732-536-0444 FAX #: () E-MAIL: blottius@calvin-electric.com

FEE SUMMARY:

APPLICATION FEE: \$ _____

REVIEW FEE: \$ _____

SECTION FEE: \$ _____

OTHER: \$ _____

BOND(S): \$ _____

TOTAL: \$ _____

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____

DRAINAGE EASEMENTS: _____

UTILITY EASEMENTS: _____

CONSERVATION EASEMENTS: _____

FEMA REQUIREMENTS: _____

D.E.P. PERMITS: _____

BOARD APPROVAL: ☐ PB ☐ ZB

APPLICATION NUMBER: _____

APPROVED DATE: _____

PROJECT DESCRIPTION: ☐ GRADING/CLEARING ☐ ROAD OPENING

☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL

☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL _____

☐ OTHER Install Standby generator

LENGTH: 4ft WIDTH: 2ft HEIGHT: 29"

ENGINEERING REVIEW:

DATE RECEIVED: _____ DATE REJECTED: _____ DATE APPROVED: _____ INITIALS: _____

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State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Examiners of Electrical Contractors

HAS LICENSED

CORBIN ELECTRICAL SERVICES INC
STEVEN A CORBIN
35 Vanderberg Road
Marlboro NJ 07746

FOR PRACTICE IN NEW JERSEY AS A(N): Electrical Business Permit

02/12/2021 TO 03/31/2024

VALID

Signature of Licensee/Registrant/Certificate Holder

34EB00641900

LICENSE/REGISTRATION/CERTIFICATION #

ACTING DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Examiners of Electrical Contractors
HAS LICENSED
CORBIN ELECTRICAL SERVICES INC
Electrical Business Permit

02/12/2021 TO 03/31/2024

VALID

34EB00641900

LICENSE/REGISTRATION/CERTIFICATE #

PLEASE DETACH HERE

IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST

PLEASE NOTIFY:

Board of Examiners of Electrical Contractors
P.O. Box 45006
Newark, NJ 07101

PLEASE DETACH HERE

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**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

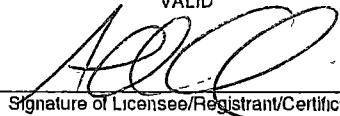
THIS IS TO CERTIFY THAT THE
Board of Examiners of HVACR Contractors

HAS LICENSED

ADAM D. CORBIN
35 Vanderburg Rd.
Marlboro NJ 07746

FOR PRACTICE IN NEW JERSEY AS A(N): Master HVACR Contractor

04/25/2022 TO 06/30/2024
VALID


Signature of Licensee/Registrant/Certificate Holder

19HC00070800
LICENSE/REGISTRATION/CERTIFICATION #


ACTING DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Examiners of HVACR Contractors
HAS LICENSED
ADAM D. CORBIN
Master HVACR Contractor

04/25/2022 TO 06/30/2024

VALID

SIGNATURE

19HC00070800

License/Registration/Certificate #

ACTING DIRECTOR

PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:
Board of Examiners of HVACR Contract
P.O. Box 47031
Newark, NJ 07101

PLEASE DETACH HERE



BUILDING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1385-07 Lot 9 Qualification Code _____
Work Site Location 636 Winding River Road, Brick
08724

Owner in Fee: Jennifer + Mark TRONEANE

Tel. _____ e-mail _____

Address 636 Winding River Rd, Brick 08724
street municipality zip code

Contractor: CORBIN ELECTRICAL SERVICES Tel. (732) 536-0444

Address 35 VANDERBURG ROAD e-mail _____
MARLBORO, NJ 07746

Contractor License No. or Builder Registration No. 6419 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13VH06690800

Federal Emp. ID No. 22-3121404 FAX: (732) 536-8547

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)			
[] No Plans Required	_____	_____	Type.	Failure	Failure	Approval	Initial
[] All	_____	_____	Footing	_____	_____	_____	_____
[] Footings/Foundations	_____	_____	Footing Bonding	_____	_____	_____	_____
[] Structural/Framework	_____	_____	Foundation	_____	_____	_____	_____
[] Exterior	_____	_____	Slab	_____	_____	_____	_____
[] Interior	_____	_____	Frame	_____	_____	_____	_____
			Truss Sys./Bracing	_____	_____	_____	_____
Joint Plan Review Required:			Barrier-Free	_____	_____	_____	_____
[] Elec. [] Plumb. [] Fire [] Elevator			Insulation	_____	_____	_____	_____
SUBCODE APPROVAL for PERMIT			Finishes -Base Layer	_____	_____	_____	_____
Date: _____			Finishes -Final	_____	_____	_____	_____
Approved by: _____			Energy	_____	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE			Mechanical	_____	_____	_____	_____
[] CO [] CCO [] CA			TCO	_____	_____	_____	_____
Date: _____			Other	_____	_____	_____	_____
Approved by: _____			Final	_____	_____	_____	_____
			Barrier-Free	_____	_____	_____	_____

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____ Constr. Class Present _____ Proposed _____

No. of Stories _____ If Industrialized Building: _____

Height of Structure _____ ft. State Approved _____ HUD _____

Area — Largest Floor _____ sq. ft. Est. Cost of Bldg. Work:

New Bldg. Area/All Floors _____ sq. ft. 1. New Bldg. \$ _____

Volume of New Structure _____ cu. ft. 2. Rehabilitation \$ _____

Max. Live Load _____ 3. Total (1+ 2) \$ 100

Max. Occupancy Load _____

Date Received _____
Control # _____

Date Issued _____
Permit # _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: _____

Print name here: STEVEN CORBIN

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

The generator will sit on a
pre fabricated concrete pad.

TYPE OF WORK:

- [] New Building
- [] Addition
- [] Rehabilitation
- [] Roofing
- [] Siding
- [] Fence _____ Height (exceeds 6')
- [] Sign _____ Sq. Ft.
- [] Pool
- [] Retaining Wall _____ Sq. Ft.
- [] Asbestos Abatement Subchapter 8
- [] Lead Haz. Abatement NJAC 5:17
- [] Radon Remediation
- ☒ Other generator
- [] Demolition

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



CONSTRUCTION PERMIT

Date Issued _____

Permit # _____

IDENTIFICATION Block 1385.07 Lot 9 Qualification Code _____
Work Site Location 636 Winding River Rd. Contractor **CORBIN ELECTRICAL SERVICES**
Brick 08724 Address **35 VANDERBURG ROAD**
Owner in Fee TRONICONE **MARLBORO, NJ 07746**
Address 636 Winding River Road Tel. (732) **536-0444**
Brick 08724 Lic. No. or Bldrs. Reg. No. **6419**
Tel. [REDACTED] **22-3121404**

Is hereby granted permission to perform the following work:

- | | | |
|---|---|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☐ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT | ☐ OTHER _____ |
- (Subchapter 8 only)

DESCRIPTION OF WORK:

Generator

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 15,950_____
Construction Official_____
Date**PAYMENTS (Office Use Only)**

Building _____
Electrical _____
Plumbing _____
Fire Protection _____
Elevator Devices _____
Other _____
DCA State Permit Fee _____
Cert. of Occupancy _____
Other _____
Total _____
Check No. _____
Cash _____
Collected by _____

(see reverse side)

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. Utility services, including septic.
4. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.

☐ Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.

Installing and Connecting Gas Lines



DANGER

Explosion and Fire. Fuel and vapors are extremely flammable and explosive. No leakage of fuel is permitted. Keep fire and spark away. Failure to do so will result in death or serious injury.

(000192)

IMPORTANT NOTE: Natural gas and LP vapor are highly volatile substances. Strictly adhere to all safety procedures, codes, standards, and regulations.

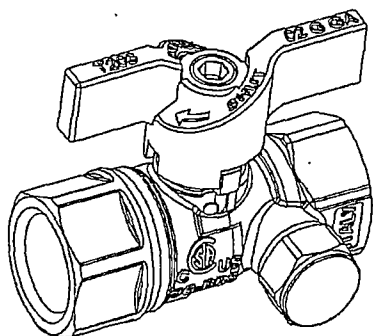
Gas line connections should be made by a certified contractor familiar with local codes. Always use AGA-approved gas pipe and a quality pipe sealant or joint compound.

Verify the capacity of the natural gas meter or the LP tank to provide sufficient fuel for both the generator and other operating appliances.

Shutoff Valve

The generator will require an external manual shut-off valve on the fuel line. The valve must be easily accessible. See A in *Figure 5-3*.

NOTE: Local codes determine the proper location.



000743

Figure 5-2. Accessory Valve with Manometer Port

NOTE: *Figure 5-2* illustrates a fuel shut-off valve with a manometer port for making fuel pressure checks. This optional accessory valve permits making pressure checks for diagnostic purposes without going into the generator enclosure.

Valves available through Generac and Independent Authorized Service Dealers (IASD):

- 1/2" ball valve, part number 0K8752
- 3/4" ball valve, part number 0K8754
- 1" ball valve, part number 0K8184
- 1-1/4" ball valve, part number 0L2844

Flexible Fuel Line

When connecting the gas line to the generator, use a listed assembly that meets the requirements of ANSI Z21.75/ CSA 6.27—Connectors for Outdoor Gas Appliances and Manufactured Homes or AGA-approved flexible fuel line in accordance with local regulations.

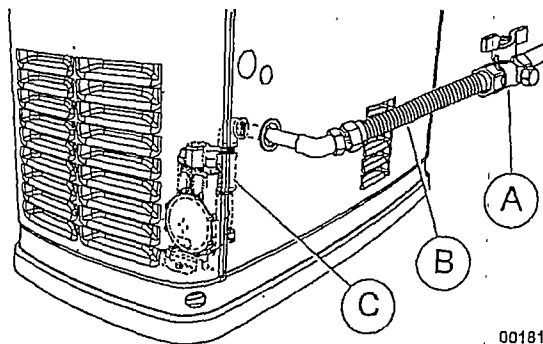
The flexible fuel line shall not be connected directly to the generator fuel inlet. Always connect the flexible fuel line to an approved gas fitting.

The purpose of flexible fuel line is to isolate vibration from the generator to reduce possibility of a gas leak at one of the connection points. See B in *Figure 5-3*.

NOTE: Follow all installation instructions and warnings provided with the flexible fuel line. Do not remove any labels or tags.

Sediment Trap

Some local codes require a sediment trap. The fuel regulator connection has an integrated sediment trap. See C in *Figure 5-3*.



001816

Figure 5-3. Sediment Trap, Fuel Shut-Off Valve with Manometer Port, and Flexible Fuel Line

The sediment trap must be cleaned periodically according to local codes. See the owner's manual for more information.

Checking Gas Line Connections

1. Check for leaks by spraying all connection points with a non-corrosive gas leak detection fluid. The solution should not be blown away or form bubbles.
2. Check gas pressure at the regulator in the generator by following these steps.
 - Close gas supply valve.
 - Remove the top gas pressure test port from the regulator (see *Figure 5-4*) and install the gas pressure tester (manometer).
 - Open the gas supply valve and verify the pressure is within the specified values.
 - Record static gas pressure: _____

NOTE: Gas pressure can also be tested at the manometer port on the fuel shut-off valve shown in *Figure 5-3*.

NOTE: See the owner's manual or the spec sheet for proper fuel pressure specifications. If the gas pressure is not within specifications, contact the local gas supplier.

3. Close gas valve when completed, but keep manometer connected for future tests of the generator while starting, running and under loads.

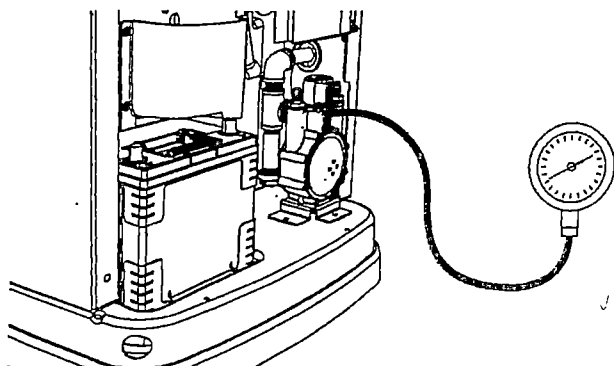


Figure 5-4. Checking Pressure with Manometer

See *Figure 5-5*. Perform a final fuel system leak test after generator installation. The test will identify possible leaks at all connection points (A).

It is best practice to perform a fuel system leak test during normally-scheduled maintenance.

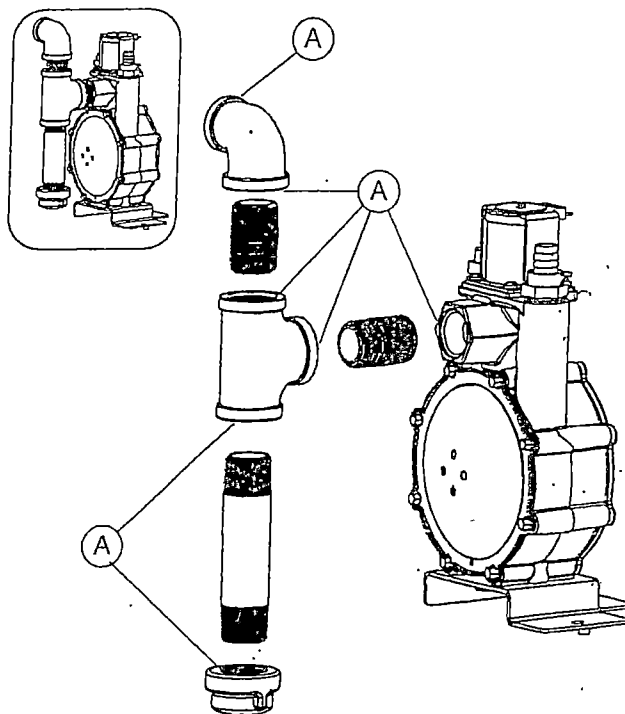


Figure 5-5. Connection Points to Leak Check

Check for leaks by spraying all connection points with a non-corrosive gas leak detection fluid. The solution should not be blown away or form bubbles.

Perform Leak Test



DANGER

Explosion and fire. Fuel and vapors are extremely flammable and explosive. No leakage of fuel is permitted. Keep fire and spark away. Failure to do so will result in death or serious injury.

(000192)

All products are tested at the factory before shipping to ensure the performance and integrity of the fuel system. However, it is important to perform a final fuel system leak test before starting the generator. The entire fuel system should be tested from supply to regulator.

For Use with Generac Stationary Outdoor Standby Generators

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____
 SKU _____

Dormont Supr-Safe® Flexible Gas Appliance Connectors

The flexible connection between the gas supply and the gas inlet of a Generac® Stationary Outdoor Backup/Standby Generator.

Features

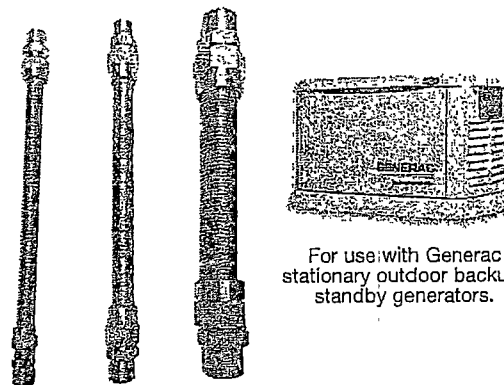
- Operating Temperature -40°F to 150°F (-40°C to 65.6°C)
- Operating Pressure MAX 0.5psi (3.45 kPa)
- Hydrostatic Burst Pressure MIN 250psi (1725 kPa)
- Flexible Tube Material Annealed 304 Stainless Steel
- Flare Nut Material Carbon Steel with Zinc Trivalent Chromate Plating
- Flare Adapter Material Carbon Steel with Zinc Trivalent Chromate Plating

CSA Group Certificate of Compliance to Product Standards

ANSI Z21.75/CSA 6.27 – Connectors for Outdoor Gas Appliances and Manufactured Homes

Scope states "...intended for exterior use above ground for making non-rigid connections...between the gas supply and the gas inlet of an appliance for outdoor installation that is not frequently moved after installation." In addition section 1.5.4 states the connector is designed for occasional movement after installation. Repeated bending, flexing or extreme vibration must be avoided. Normal operation of a clothes dryer, rooftop HVAC unit or SIMILAR OUTDOOR APPLIANCE DOES NOT constitute extreme vibration or movement.

ANSI Z21.24/CSA 6.10 – Connectors for Gas Appliances (Excluding 60/61 Series)



Series 30, 40 and 60

For use with Generac stationary outdoor backup/standby generators.

Applicable Codes

ANSI Z223.1/NFPA 54 National Fuel Gas Code Section 9.6
 International Fuel Gas Code (IFGC) Section 411.1
 B149.1 – Natural Gas and Propane Installation Code (CSA Group) Section 6.21
 Uniform Mechanical Code (UMC) Section 1313.0
 Uniform Plumbing Code (UPC) Section 1212.0

Additional Approvals

Commonwealth of Massachusetts Board of State Examiners of Plumbers and Gas Fitters

Additional Testing

UL2200-2015: Stationary Engine Generator Assemblies Section 66B Vibration Test.

Product Configurations

PART NUMBER	SERIES	NOMINAL ID	NOMINAL OD	FLARE ADAPTER THREADS (MALE NPT)	NOMINAL LENGTH
CAN30-3131-14GL	30	1/2 in	5/8 in	1/2 in	14 in
CAN40-4141-14GL	40	3/4 in	1 in	3/4 in	14 in
CAN60-6161-15GL	60	1-1/4 in	1-1/2 in	1-1/4 in	15 in

CAN prefix indicates product supplied with both English and French Instructions for Canada

WARNING

All installations must completely comply with all Dormont manufacturing company warnings and instructions, national, state and local codes and all applicable ansi standards.

Dormont product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Dormont Technical Service. Dormont reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Dormont products previously or subsequently sold. Refer to the owner's manual for warranty information.

Dormont®

Minimum Flow Capacity at Specified Pressure Drop

(Straight Length BTU/hr. NATURAL GAS, 0.64 SG, 1000 BTU/cu.ft.)

CONFIGURATION				PRESSURE DROP (INCHES WATER COLUMN)						
Part Number	SERIES	Nominal ID in	Nominal Length in	0.50 in	0.75 in	1.00 in	1.25 in	1.50 in	1.75 in	2.00 in
CAN30-3131-14GL	30	1/2	14	174,500	213,500	246,500	275,500	302,000	326,000	349,000
CAN40-4141-14GL	40	3/4	14	338,500	414,500	478,500	535,000	586,000	633,000	677,000
CAN60-6161-15GL	60	1-1/4	15	1,171,500	1,434,500	1,656,500	1,852,000	2,029,000	2,191,000	2,343,000

(Straight Length BTU/hr. LP GAS, 1.55 SG, 2500 BTU/cu.ft.)

CONFIGURATION				PRESSURE DROP (INCHES WATER COLUMN)						
Part Number	SERIES	Nominal ID in	Nominal Length in	0.50 in	0.75 in	1.00 in	1.25 in	1.50 in	1.75 in	2.00 in
CAN30-3131-14GL	30	1/2	14	279,200	341,600	394,400	440,800	483,200	521,600	558,400
CAN40-4141-14GL	40	3/4	14	541,600	663,200	765,600	856,000	937,600	1,012,800	1,083,200
CAN60-6161-15GL	60	1-1/4	15	1,874,400	2,295,200	2,650,400	2,963,200	3,246,400	3,505,600	3,748,800

EXAMPLE

Dormont part number CAN30-3131-14GL can supply a minimum of 349,000 BTU/hr. of natural gas @ 2.00 in. water column pressure drop to the generator.



A Watts Water Technologies Company

USA: Tel: (800) 367-6668 • Fax: (724) 733-4808 • Dormont.com

Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • Dormont.ca

Latin America: Tel: (52) 81-1001-6600 • Fax: (52) 81-8000-7091 • Dormont.com

DO NOT REMOVE THIS WARNING LABEL
Stainless Steel Gas Connector For Indoor and Outdoor Use

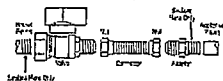
WARNING:

To prevent serious injury, death or property damage, fully read and follow these safety precautions during installation and use. If you smell gas, turn off gas supply and have leak repaired by a qualified agency.

- DO NOT store near or allow connector to contact strong cleaning solutions, chemical substances, solder flux, chlorinated chemicals, and any liquid containing chloride or chlorine. If these substances contact the connector, rinse immediately.
- The National Fuel Gas Code (ANSI Z223.1/NFPA 54) REQUIRES a plug or cap when gas outlet is not in use.
- **DO NOT REUSE** this gas connector or fittings on another appliance or on the same appliance at another location.
- Keep flange surfaces free of sealing compounds (pipe thread sealant or Teflon® tape), grease and oil.
- Replace connector immediately if damaged, deteriorated or exposed to fire.
- DO NOT conceal this connector within or run through any wall, floor, partition or cabinet wall and it must not come in contact with any other objects. The entire connector must be visible for periodic inspection.
- DO NOT use the gas connector as the appliance ground.
- Use this connector on fixed or stationary appliances only. Connectors are designed for occasional movement and vibration after installation. Avoid repeated bending, flexing or extreme vibration (normal operation of a clothes dryer or rooftop HVAC unit or similar appliance is acceptable).
- For outdoor applications, this connector may be used between the gas supply and the gas inlet of an appliance that is not frequently moved after installation (including 30/40/50/60 series X 14 inches or longer for stationary standby generators), connecting the gas inlet of a manufactured home or park trailer to the gas supply or between sections of a multiple section manufactured home or park trailer.
- DO NOT use with wheeled, caster-mounted or portable appliances or to connect appliances inside of vehicles that move (RV's, trailers, etc.).
- DO NOT use on natural gas or LP gas piping systems operating at pressures exceeding 1/2 PSIG.
- DO NOT connect directly to an LP gas container.
- DO NOT connect to an LP-gas container mounted on or adjacent to a park trailer or mobile home.
- DO NOT use this connector near a swimming pool or hot tub.
- For the U.S. only, the connectors with shaded capacities in the chart below are suitable for use with a radiant tube heater, provided it is at least the length and diameter specified by the radiant tube heater instructions and is installed in strict accordance with those instructions. The 40 series, 36" connector must be PVC coated for this application. All other sizes are not suitable for use with infrared radiant tube heaters.

INSTALLATION

- The appliance and this connector must be installed according to manufacturer's installation instructions and according to local codes or ANSI Z223.1/NFPA 54 (USA) or CSA B149.1 (Canada).
- A manual shutoff valve must be readily accessible in the same room and within 6 feet of the appliance.
- Connector must reach from the gas supply to the appliance without stretching, kinking or twisting. Use only one connector and never join two or more connectors.
- DO NOT kink, twist or torque the connector when installing. Avoid sharp bends smaller than 1-1/2" internal diameter (golf ball size).
- DO NOT assemble connector nuts directly to pipe threads. Use only the adapters provided.



- Test final assembly for leaks using non-corrosive gas leak detection fluid. Do not use dish washing detergents, soap, or other household chemicals. Do not use matches, candles, open flame or other sources of ignition for leak testing. Thoroughly rinse with clean water to remove leak detection fluid.
- DO NOT install connector underground and avoid contact with the ground.

Connector Minimum Flow Capacity (per ANSI Z21.24/CSA 6.10 & ANSI Z21.75/CSA 6.27)								
Straight length capacity - BTU/hr. Natural Gas								
0.64 Sp. Gr. 1080 BTU/hr. natural gas at 0.5" water column pressure drop.								
Series	Nominal ID	14"-15"	18"	24"	30"	36"	48"	72"
30	1/2"	174,500	164,200	150,000	138,000	125,000	106,000	86,000
40	3/4"	330,500	319,500	290,000	270,500	255,000	215,000	173,000
50	1"	667,500	637,000	581,000	545,200	515,000	432,700	347,000
60	1-1/4"	1,171,500	1,139,000	1,075,000	1,010,500	946,000	817,500	663,000

NOTES: In table flow capacity of connector drops after than 9' x 1/2" x 1/2" multiply the values in the chart by 0.637 for 0.2 w.c., 1.275 for 0.75" w.c., 1.111 for 1" w.c., 1.737 for 1.5" w.c. and 2 for 2" w.c. Coriolis Diameter for other conditions. For LP gas capacity multiply values in chart by 1.5 (1.55 Sp. Gr., 2,500 BTU/cu.ft.).

This connector is design certified for indoor and outdoor use and complies with the following standards:

ANSI Z21.24 / CSA 6.10 Connectors for Gas Appliances (excluding 60/81 Series)

ANSI Z21.75 / CSA 6.27 Connectors for Outdoor Gas Appliances and Manufactured Homes

This connector meets the requirements of:

ANSI Z223.1/NFPA 54, CSA B149.1, 24 CFR 3280.705 (HUD), Uniform Mechanical Code, Uniform Plumbing Code, International Fuel Gas Code

This connector has the following approvals:

Commonwealth of Massachusetts (up to 48" length)
 City of New York MEA 376-92-M



WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
 For more information: Watts.com/prop65

7AG-B-DNF502 1610

DORMONT
 1-800-DORMONT

DO NOT REMOVE THIS WARNING LABEL



20/22/24 kW

GENERAC®

GUARDIAN® SERIES
Residential Standby Generators
Air-Cooled Gas Engine

20/22/24 kW

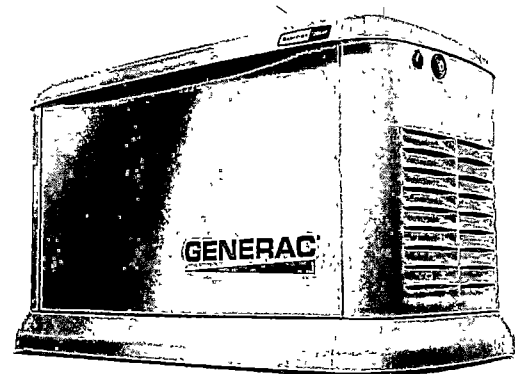
1 of 6

INCLUDES:

- True Power™ Electrical Technology
- Two-line multilingual digital LCD Evolution™ controller (English/Spanish/French/Portuguese)
- 200 amp service rated transfer switch available
- Electronic governor
- Standard Wi-Fi® connectivity
- System status & maintenance interval LED indicators
- Sound attenuated enclosure
- Flexible fuel line connector
- Natural gas or LP gas operation
- 5 Year limited warranty
- Listed and labeled for installation as close as 18 in (457 mm) to a structure.*
**Must be located away from doors, windows, and fresh air intakes and in accordance with local codes*

Standby Power Rating

G007038-1, G007039-1, G007038-3, G007039-3 (Aluminum - Bisque) - 20 kW 60 Hz
G007042-2, G007043-2, G007042-3, G007043-3 (Aluminum - Bisque) - 22 kW 60 Hz
G007209-0, G007210-1 (Aluminum - Bisque) - 24 kW 60 Hz



or C **UL** US
LISTED

QUIET-TEST™



Note: CETL or CUL certification only applies to unbundled units and units packaged with limited circuit switches. Units packaged with the Smart Switch are ETL or UL certified in the USA only.

FEATURES

- **INNOVATIVE ENGINE DESIGN & RIGOROUS TESTING** are at the heart of Generac's success in providing the most reliable generators possible. Generac's G-Force engine lineup offers added peace of mind and reliability for when it's needed the most. The G-Force series engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- **TRUE POWER™ ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED** ✓ **NEMA MG1-22 EVALUATION**
 - ✓ **SYSTEM TORSIONAL TESTED** ✓ **MOTOR STARTING ABILITY**
- **MOBILE LINK® CONNECTIVITY:** FREE with select Guardian Series Home standby generators, Mobile Link Wi-Fi allows users to monitor generator status from anywhere in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION:** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at $\pm 1\%$.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES:** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.

THE GENERAC
PROMISE



*Assembled in the USA using domestic and foreign parts.

Features and Benefits**Engine**

- Generac G-Force design
- "Spiny-lok" cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system
- High temperature shutdown

Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help the engine run cooler, reducing oil consumption and resulting in longer engine life.

Rigid construction and added durability provide long engine life.

These features combine to assure smooth, quick starting every time.

Pressurized lubrication to all vital bearings means better performance, less maintenance, and longer engine life. Now featuring up to a 2 year/200 hour oil change interval.

Shutdown protection prevents catastrophic engine damage due to low oil.

Prevents damage due to overheating.

Generator

- Revolving field
- Skewed stator
- Displaced phase excitation
- Automatic voltage regulation
- UL 2200 listed

Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.

Produces a smooth output waveform for compatibility with electronic equipment.

Maximizes motor starting capability.

Regulating output voltage to $\pm 1\%$ prevents damaging voltage spikes.

For your safety.

Transfer Switch (if applicable)

- Fully automatic
- NEMA 3R
- Integrated load management technology
- Remote mounting

Transfers vital electrical loads to the energized source of power.

Can be installed inside or outside for maximum flexibility.

Capability to manage additional loads for efficient power management.

Mounts near an existing distribution panel for simple, low-cost installation.

Evolution™ Controls

- AUTO/MANUAL/OFF illuminated buttons
- Two-line multilingual LCD
- Sealed, raised buttons
- Utility voltage sensing
- Generator voltage sensing
- Utility interrupt delay
- Engine warm-up
- Engine cool-down
- Programmable exercise
- Smart battery charger
- Main line circuit breaker
- Electronic governor

Selects the operating mode and provides easy, at-a-glance status indication in any condition.

Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences.

Smooth, weather-resistant user interface for programming and operations.

Constantly monitors utility voltage, setpoints 65% dropout, 80% pick-up, of standard voltage.

Constantly monitors generator voltage to verify the cleanest power delivered to the home.

Prevents nuisance start-ups of the engine, adjustable 2-1500 seconds from the factory default setting of 5 seconds by a qualified dealer.

Verifies engine is ready to assume the load, setpoint approximately 5 seconds.

Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every other week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.

Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature. Compatible with lead acid and AGM-style batteries.

Protects generator from overload.

Maintains constant 60 Hz frequency.

Unit

- SAE weather protective enclosure
- Enclosed critical grade muffler
- Small, compact, attractive

Sound attenuated enclosures ensure quiet operation and protection against mother nature, withstanding winds up to 150 mph (241 km/h). Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability.

Quiet, critical grade muffler is mounted inside the unit to prevent injuries.

Makes for an easy, eye appealing installation, as close as 18 in (457 mm) away from a structure.

20/22/24 kW

Features and Benefits

Installation System

- 14 in (35.6 cm) flexible fuel line connector
- Integral sediment trap

Listed ANSI Z21.75/CSA 6.27 outdoor appliance connector for the required connection to the gas supply piping.
Meets IFGC and NFPA 54 installation requirements.

Connectivity (Wi-Fi equipped models only)

- Ability to view generator status
- Ability to view generator Exercise/Run and Total Hours
- Ability to view generator maintenance information
- Monthly report with previous month's activity
- Ability to view generator battery information
- Weather Information

Monitor generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.
Review the generator's complete protection profile for exercise hours and total hours.
Provides maintenance information for the specific model generator when scheduled maintenance is due.
Detailed monthly reports provide historical generator information.
Built in battery diagnostics displaying current state of the battery.
Provides detailed local ambient weather conditions for generator location.

20/22/24 kW

Generator

Model	G007038-1 G007039-1 (20 kW)	G007042-2 G007043-2 (22 kW)	G007038-3 G007039-3 (20 kW)	G007042-3 G007043-3 (22 kW)	G007209-0 G007210-1 (24 kW)
Rated maximum continuous power capacity (LP)	20,000 Watts*	22,000 Watts*	20,000 Watts*	22,000 Watts*	24,000 Watts*
Rated maximum continuous power capacity (NG)	18,000 Watts*	19,500 Watts*	18,000 Watts*	19,500 Watts*	21,000 Watts*
Rated voltage	240				
Rated maximum continuous load current – 240 volts (LP/NG)	83.3 / 75.0	91.7 / 81.3	83.3 / 75.0	91.7 / 81.3	100 / 87.5
Total Harmonic Distortion	Less than 5%				
Main line circuit breaker	90 amp	100 amp	90 amp	100 amp	100 amp
Phase	1				
Number of rotor poles	2				
Rated AC frequency	60 Hz				
Power factor	1.0				
Battery requirement (not included)	12 Volts, Group 26R 540 CCA minimum or Group 35AGM 650 CCA minimum				
Unit weight (lb / kg)	448 / 203	466 / 211	436 / 198	445 / 202	455 / 206
Dimensions (L x W x H) in / cm	48 x 25 x 29 / 121.9 x 63.5 x 73.7				
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	67	67	67	67	67
Sound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode**	55	57	55	57	57
Exercise duration	5 min				

Engine

Engine type	GENERAC G-Force 1000 Series				
Number of cylinders	2				
Displacement	999 cc				
Cylinder block	Aluminum w/ cast iron sleeve				
Valve arrangement	Overhead valve				
Ignition system	Solid-state w/ magneto				
Governor system	Electronic				
Compression ratio	9.5:1				
Starter	12 VDC				
Oil capacity including filter	Approx 1.9 qt / 1.8 L				
Operating rpm	3,600				
Fuel consumption					
Natural gas	ft ³ /hr (m ³ /hr)				
1/2 Load	204 (5.78)	228 (6.46)	164 (4.64)	203 (5.75)	
Full Load	301 (8.52)	327 (9.26)	287 (8.13)	306 (8.66)	
Liquid propane	ft ³ /hr (gal/hr) [L/hr]				
1/2 Load	.87 (2.37) [8.99]	.92 (2.53) [9.57]	.86 (2.36) [8.95]	.92 (2.53) [9.57]	
Full Load	130 (3.56) [13.48]	142 (3.90) [14.77]	136 (3.74) [14.15]	142 (3.90) [14.77]	

Note: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load ranges - 3.5–7 in water column (0.87–1.74 kPa) for NG, 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft³/hr x 2500 (LP) or ft³/hr x 1000 (NG). For Megajoule content, multiply m³/hr x 93.15 (LP) or m³/hr x 37.26 (NG).

Controls

Two-line plain text multilingual LCD	Simple user interface for ease of operation.
Mode buttons: AUTO	Automatic start on utility failure. Weekly, Bi-weekly, or Monthly selectable exerciser.
MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
OFF	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance messages	Standard
Engine run hours indication	Standard
Programmable start delay between 2–1500 seconds	Standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility adjustable (brownout setting)	From 140–171 V / 190–216 V
Future Set Capable Exerciser/Exercise Set Error warning	Standard
Run/Alarm/Maintenance logs	50 events each
Engine start sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration)
Starter lock-out	Starter cannot re-engage until 5 sec after engine has stopped
Smart Battery Charger	Standard
Charger Fault/Missing AC warning	Standard
Low Battery/Battery Problem Protection and Battery Condition indication	Standard
Automatic Voltage Regulation with Over and Under Voltage Protection	Standard
Under-Frequency/Overload/Stepper Overcurrent Protection	Standard
Safety Fused/Fuse Problem Protection	Standard
Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown	Standard
High Engine Temperature Shutdown	Standard
Internal Fault/Incorrect Wiring protection	Standard
Common external fault capability	Standard
Field upgradable firmware	Standard

**Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters. Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). * Maximum kilovolt amps and current are subject to and limited by such factors as fuel BTU/megajoule content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases approximately 3.5% for each 1,000 ft (304.8 m) above sea level, and also will decrease approximately 1% for each 10 °F (6 °C) above 60 °F (16 °C).

20/22/24 kW

Switch Options

Service Rated Automatic Transfer Switch Features

- Intelligently manages up to four air conditioner loads with no additional hardware
- Up to eight additional large (240 VAC) loads can be managed when used in conjunction with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Main breakers are rated for 80% continuous load.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

Model	G007039-1, G007039-3 (20 kW) G007043-2, G007043-3 (22 kW) G007210-1 (24 kW)
No. of poles	2
Current rating (amps)	200
Voltage rating (VAC)	120/240, 1Ø
Utility voltage monitor (fixed)*	
-Pick-up	80%
-Dropout	65%
Return to Utility*	Approx. 13 sec
ETL or UL listed	Standard
Enclosure type	NEMA/UL 3R
Circuit breaker protected	22,000
Lug range*	250 MCM - #6

*Function of Evolution controller

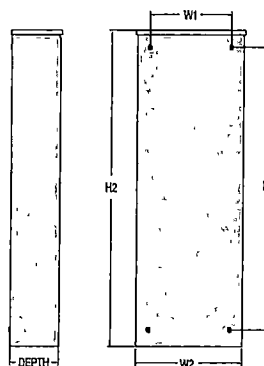
Exercise can be set to weekly, bi-weekly, or monthly

Dimensions

200 Amps 120/240, 1Ø Open Transition Service Rated					
	Height		Width		Depth
	H1	H2	W1	W2	
in	26.8	30.1	10.5	13.5	6.9
cm	67.95	76.43	26.67	34.18	17.5

Wire Ranges

Conductor Lug	Neutral Lug	Ground Lug
250 MCM - #6	350 MCM - #6	2/0 - #14

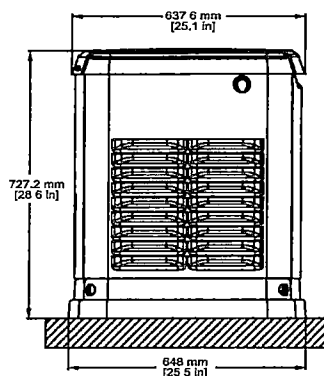


20/22/24 kW**Available Accessories**

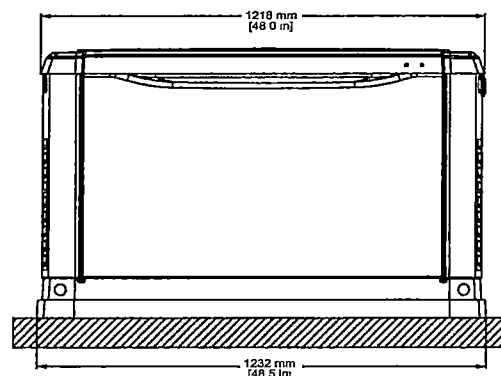
Model #	Product	Description
G007101-0	Battery Pad Warmer	Pad warmer rests under the battery. Recommended for use if temperature regularly falls below 0 °F (-18 °C). (Not necessary for use with AGM-style batteries).
G007102-0	Oil Warmer	Oil warmer slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Warmer	Breather warmer is for use in extreme cold weather applications. For use with Evolution controllers only in climates where heavy icing occurs.
G005621-0	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load that may not be needed. Not compatible with 50 amp pre-wired switches.
G007027-0 - Bisque	Fascia Base Wrap Kit (Standard on 22/24 kW)	The fascia base wrap snaps together around the bottom of the new air-cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.
G005703-0 - Bisque	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.
G006485-0	Scheduled Maintenance Kit	Generac's scheduled maintenance kit provides all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).
G007005-0	Wi-Fi LP Tank Fuel Level Monitor	The Wi-Fi enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in verifying the generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify users when the LP tank is in need of a refill.
G007000-0 (50 amp) G007006-0 (100 amp)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
G007169-0 - 4G LTE G007170-0 - Wi-Fi/ Ethernet	Mobile Link® Cellular Accessories	The Mobile Link family of Cellular Accessories allow users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
G007220-0 - Bisque	Base Plug Kit	Base plugs snap into the lifting holes on the base of air-cooled home standby generators. This offers a sleek, contoured appearance, as well as offers protection from rodents and insects by covering the lifting holes located in the base. Kit contains four plugs, sufficient for use on a single air-cooled home standby generator.

Dimensions & UPCs

Model	UPC
G007038-1	696471074185
G007038-3	696471074185
G007039-1	696471074192
G007039-3	696471074192
G007042-2	696471074208
G007042-3	696471074208
G007043-2	696471074215
G007043-3	696471074215
G007209-0	696471071511
G007210-1	696471084801



LEFT SIDE VIEW



FRONT VIEW

Dimensions shown are approximate. See installation manual for exact dimensions. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.

20/22/24 kW

GENERAC®

GUARDIAN® SERIES
Residential Standby Generators
Air-Cooled Gas Engine

20/22/24 kW

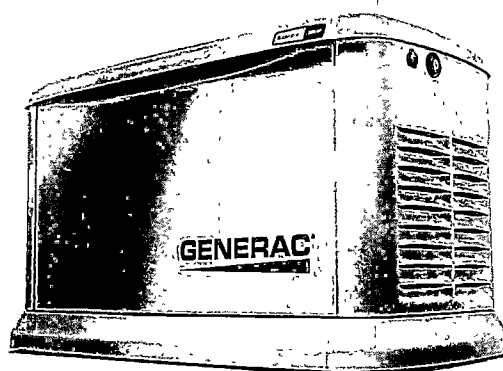
1 of 6

INCLUDES:

- True Power™ Electrical Technology
- Two-line multilingual digital LCD Evolution™ controller (English/Spanish/French/Portuguese)
- 200 amp service rated transfer switch available
- Electronic governor
- Standard Wi-Fi® connectivity
- System status & maintenance interval LED indicators
- Sound attenuated enclosure
- Flexible fuel line connector
- Natural gas or LP gas operation
- 5 Year limited warranty
- Listed and labeled for installation as close as 18 in (457 mm) to a structure.*
**Must be located away from doors, windows, and fresh air intakes and in accordance with local codes*

Standby Power Rating

G007038-1, G007039-1, G007038-3, G007039-3 (Aluminum - Bisque) - 20 kW 60 Hz
G007042-2, G007043-2, G007042-3, G007043-3 (Aluminum - Bisque) - 22 kW 60 Hz
G007209-0, G007210-1 (Aluminum - Bisque) - 24 kW 60 Hz



or C **UL** US
LISTED

QUIET-TEST™



Note: CETL or CUL certification only applies to unbundled units and units packaged with limited circuit switches. Units packaged with the Smart Switch are ETL or UL certified in the USA only.

FEATURES

- **INNOVATIVE ENGINE DESIGN & RIGOROUS TESTING** are at the heart of Generac's success in providing the most reliable generators possible. Generac's G-Force engine lineup offers added peace of mind and reliability for when it's needed the most. The G-Force series engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- **TRUE POWER™ ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED**
 - ✓ **SYSTEM TORSIONAL TESTED**
 - ✓ **NEMA MG1-22 EVALUATION**
 - ✓ **MOTOR STARTING ABILITY**
- **MOBILE LINK® CONNECTIVITY:** FREE with select Guardian Series Home standby generators, Mobile Link Wi-Fi allows users to monitor generator status from anywhere in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION:** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at $\pm 1\%$.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES:** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.

THE | GENERAC
PROMISE



*Assembled in the USA using domestic and foreign parts.

Features and Benefits**Engine**

- Generac G-Force design
- "Spiny-lok" cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system
- High temperature shutdown

Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help the engine run cooler, reducing oil consumption and resulting in longer engine life.

Rigid construction and added durability provide long engine life

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- Skewed stator
- Displaced phase excitation
- Automatic voltage regulation
- UL 2200 listed

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For your safety.

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Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every other week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.

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- SAE weather protective enclosure
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20/22/24 kW

Features and Benefits

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20/22/24 kW

Generator

Model	G007038-1 G007039-1 (20 kW)	G007042-2 G007043-2 (22 kW)	G007038-3 G007039-3 (20 kW)	G007042-3 G007043-3 (22 kW)	G007209-0 G007210-1 (24 kW)
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Rated maximum continuous power capacity (NG)	18,000 Watts*	19,500 Watts*	18,000 Watts*	19,500 Watts*	21,000 Watts*
Rated voltage	240				
Rated maximum continuous load current – 240 volts (LP/NG)	83.3 / 75.0	91.7 / 81.3	83.3 / 75.0	91.7 / 81.3	100 / 87.5
Total Harmonic Distortion	Less than 5%				
Main line circuit breaker	90 amp	100 amp	90 amp	100 amp	100 amp
Phase	1				
Number of rotor poles	2				
Rated AC frequency	60 Hz				
Power factor	1.0				
Battery requirement (not included)	12 Volts, Group 26R 540 CCA minimum or Group 35AGM 650 CCA minimum				
Unit weight (lb / kg)	448 / 203	466 / 211	436 / 198	445 / 202	455 / 206
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Exercise duration	5 min				

Engine

Engine type	GENERAC G-Force 1000 Series				
Number of cylinders	2				
Displacement	999 cc				
Cylinder block	Aluminum w/ cast iron sleeve				
Valve arrangement	Overhead valve				
Ignition system	Solid-state w/ magneto				
Governor system	Electronic				
Compression ratio	9.5:1				
Starter	12 VDC				
Oil capacity including filter	Approx. 1.9 qt / 1.8 L				
Operating rpm	3,600				
Fuel consumption					
Natural gas	ft ³ /hr (m ³ /hr)				
1/2 Load	204 (5.78)	228 (6.46)	164 (4.64)	203 (5.75)	
Full Load	301 (8.52)	327 (9.26)	287 (8.13)	306 (8.66)	
Liquid propane	ft ³ /hr (gal/hr) [L/hr]				
1/2 Load	87 (2.37) [8.99]	92 (2.53) [9.57]	86 (2.36) [8.95]	92 (2.53) [9.57]	
Full Load	130 (3.56) [13.48]	142 (3.90) [14.77]	136 (3.74) [14.15]	142 (3.90) [14.77]	

Note: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load ranges – 3.5–7 in water column (0.87–1.74 kPa) for NG, 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft³/hr x 2500 (LP) or ft³/hr x 1000 (NG). For Megajoule content, multiply m³/hr x 93.15 (LP) or m³/hr x 37.26 (NG).

Controls

Two-line plain text multilingual LCD	Simple user interface for ease of operation.
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MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
OFF	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance messages	Standard
Engine run hours indication	Standard
Programmable start delay between 2–1500 seconds	Standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility adjustable (brownout setting)	From 140–171 V / 190–216 V
Future Set Capable Exerciser/Exercise Set Error warning	Standard
Run/Alarm/Maintenance logs	50 events each
Engine start sequence	Cyclic cranking 16 sec on, 7 rest (90 sec maximum duration)
Starter lock-out	Starter cannot re-engage until 5 sec after engine has stopped.
Smart Battery Charger	Standard
Charger Fault/Missing AC warning	Standard
Low Battery/Battery Problem Protection and Battery Condition indication	Standard
Automatic Voltage Regulation with Over and Under Voltage Protection	Standard
Under-Frequency/Overload/Stepper Overcurrent Protection	Standard
Safety Fused/Fuse Problem Protection	Standard
Automatic Low Oil Pressure/High Oil Temperature Shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown	Standard
High Engine Temperature Shutdown	Standard
Internal Fault/Incorrect Wiring protection	Standard
Common external fault capability	Standard
Field upgradable firmware	Standard

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20/22/24 kW

Switch Options

Service Rated Automatic Transfer Switch Features

- Intelligently manages up to four air conditioner loads with no additional hardware.
- Up to eight additional large (240 VAC) loads can be managed when used in conjunction with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Main breakers are rated for 80% continuous load.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

Model

G007039-1, G007039-3 (20 kW)
G007043-2, G007043-3 (22 kW)
G007210-1 (24 kW)

No. of poles	2
Current rating (amps)	200
Voltage rating (VAC)	120/240, 1Ø
Utility voltage monitor (fixed)*	
-Pick-up	80%
-Dropout	65%
Return to Utility*	Approx. 13 sec
ETL or UL listed	Standard
Enclosure type	NEMA/UL 3R
Circuit breaker protected	22,000
Lug range	250 MCM - #6

*Function of Evolution controller

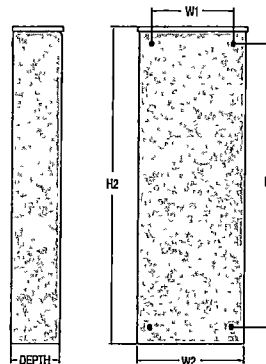
Exercise can be set to weekly, bi-weekly, or monthly

Dimensions

200 Amps 120/240, 1Ø Open Transition Service Rated					
	Height		Width		Depth
	H1	H2	W1	W2	
in	26.8	30.1	10.5	13.5	6.9
cm	67.95	76.43	26.67	34.18	17.5

Wire Ranges

Conductor Lug	Neutral Lug	Ground Lug
250 MCM - #6	350 MCM - #6	2/0 - #14

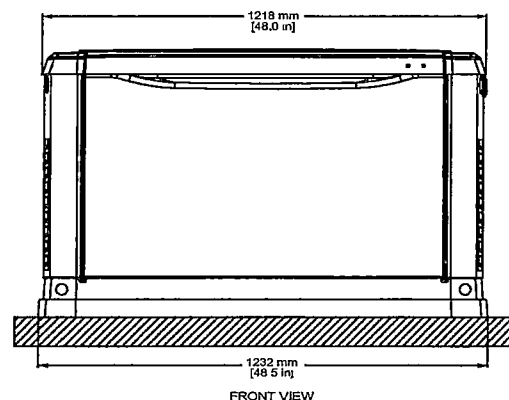
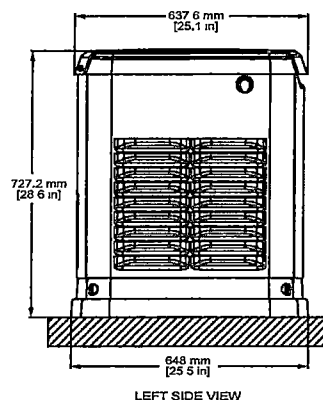


20/22/24 kW**Available Accessories**

Model #	Product	Description
G007101-0	Battery Pad Warmer	Pad warmer rests under the battery. Recommended for use if temperature regularly falls below 0 °F (-18 °C). (Not necessary for use with AGM-style batteries).
G007102-0	Oil Warmer	Oil warmer slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Warmer	Breather warmer is for use in extreme cold weather applications. For use with Evolution controllers only in climates where heavy icing occurs.
G005621-0	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load that may not be needed. Not compatible with 50 amp pre-wired switches.
G007027-0 - Bisque	Fascia Base Wrap Kit (Standard on 22/24 kW)	The fascia base wrap snaps together around the bottom of the new air-cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.
G005703-0 - Bisque	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.
G006485-0	Scheduled Maintenance Kit	Generac's scheduled maintenance kit provides all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).
G007005-0	Wi-Fi LP Tank Fuel Level Monitor	The Wi-Fi enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in verifying the generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify users when the LP tank is in need of a refill.
G007000-0 (50 amp) G007006-0 (100 amp)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
G007169-0 - 4G LTE G007170-0 - Wi-Fi/ Ethernet	Mobile Link® Cellular Accessories	The Mobile Link family of Cellular Accessories allow users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
G007220-0 - Bisque	Base Plug Kit	Base plugs snap into the lifting holes on the base of air-cooled home standby generators. This offers a sleek, contoured appearance, as well as offers protection from rodents and insects by covering the lifting holes located in the base. Kit contains four plugs, sufficient for use on a single air-cooled home standby generator.

Dimensions & UPCs

Model	UPC
G007038-1	696471074185
G007038-3	696471074185
G007039-1	696471074192
G007039-3	696471074192
G007042-2	696471074208
G007042-3	696471074208
G007043-2	696471074215
G007043-3	696471074215
G007209-0	696471071511
G007210-1	696471084801



Dimensions shown are approximate. See installation manual for exact dimensions DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES

MANASQUAN RIVER

FILED MAP

MARSH AREA

APPROVED FOR ZONING

12-5-23 Gen.
CHRIS ROMANO, ZONING OFFICER

DESCRIPTION OF PROPERTY BEING KNOWN AS LOT 9, BLOCK 138.07 AS SHOWN ON A MAP ENTITLED "FINAL MAJOR SUBDIVISION MAP, SANDBAR POINT, TAX MAP LOT 35, BLOCK 1385 BRICK TOWNSHIP, OCEAN COUNTY, NEW JERSEY" FILED IN THE OCEAN COUNTY CLERK'S OFFICE ON OCT. 23, 1984 AS MAP NO. G-1454 ALSO BEING KNOWN AS LOT 9, BLOCK 1385.07 AS SHOWN ON TAX MAP SHEET NUMBER 67.04 OF THE TOWNSHIP OF BRICK, OCEAN COUNTY, NEW JERSEY

Proposed Generator location
54' from house

LOT 8
113' from side property line
56' from front property line
126' from rear property line

EXISTING 2 STORY DWELLING

EXISTING 2 STORY DWELLING

CROSS CUT FOUND
0.05 EAST
0.23 NORTH
ELECTRIC BOX ON CORNER

WINDING RIVER DRIVE
POINT OF BEGINNING
TC=40.03
P=40.19
N 27°15'06" W TC=42.62
P=42.10
TC=43.91
P=43.47
30' WIDE PAVEMENT

LOT AREA
CONTAINS 20,000 SQ. FT.
(0.459 AC.)

971103565

16
17
17.5
17.5
TC=8.89
P=8.39

EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING GRADE
PROPOSED GRADE
FLOW ARROW
TOP OF CURB ELEVATION
PAVING ELEVATION

OFFSET DIMENSIONS FROM BUILDINGS AND FENCES AS SHOWN HEREON ARE NOT TO BE USED FOR ESTABLISHING PROPERTY LINES AND SETBACK LINES.
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ELEVATIONS BASED ON
N.G.V.D. DATUM

PROPERTY LOCATED IN FLOOD ZONE "C" AND FLOOD ZONE A-C (ELEV. 8.0) PANEL NUMBER 345285 0001 C
REVISED MARCH 1, 1984

THIS PLAN IS FOR THE PURPOSE OF OBTAINING A BUILDING PERMIT. BUILDING DIMENSIONS SHOWN HEREON ARE TO BE VERIFIED BY BUILDER PRIOR TO STARTING CONSTRUCTION.

DRIVEWAY TO MEET
BRICK TOWNSHIP STANDARDS

CHARLES E. LINDSTROM

PROFESSIONAL ENGINEER, N.J. LIC. NO. 24739
PROFESSIONAL PLANNER N.J. LIC. NO. 2333

Charles E. Lindstrom

JOHN F. DIESSNER

PROFESSIONAL LAND SURVEYOR, N.J. LIC. NO. 31266
PROFESSIONAL PLANNER, N.J. LIC. NO. 4342

John F. Diessner

636

PLOT PLAN

LOT 9, BLOCK 1385.07

TOWNSHIP OF BRICK

OCEAN COUNTY

NEW JERSEY

LINDSTROM & DIESSNER ASSOCIATES, P.C.
ENGINEERS, SURVEYORS & PLANNERS

223 DRUM POINT ROAD

P.O. BOX 579

BRICK, NEW JERSEY 08723

DR BY

CH. BY

SCALE

DATE

DWG NO.

1"=30'

1/31/1997

97021

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MANASQUAN

RIVER

FILED MAP

MARSH AREA

APPROVED FOR ZONING
12-5-23 601
CHRIS ROMANO, ZONING OFFICER

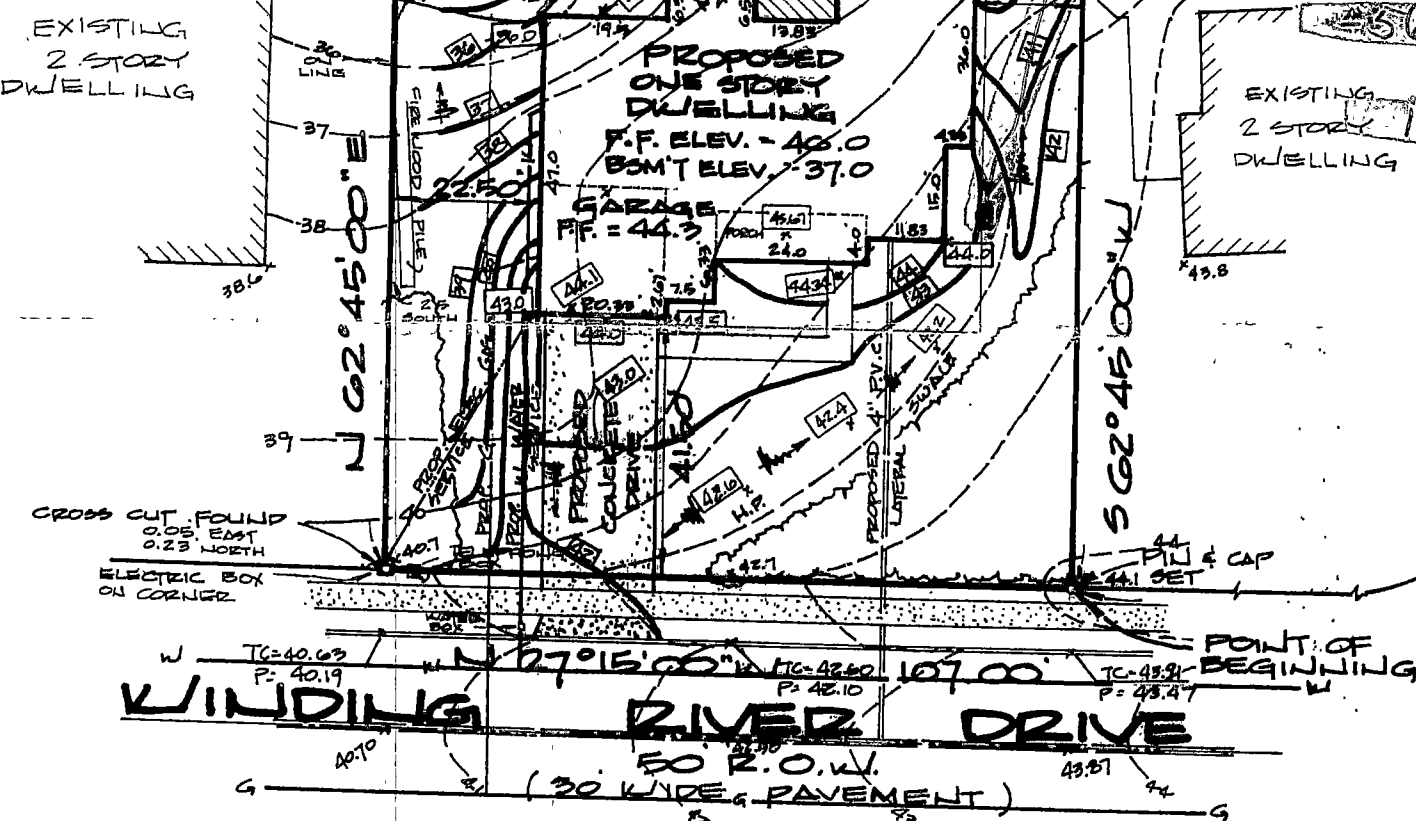
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Proposed Generator location
5 ft from house

LOT 8
13 ft from side property line
56 ft from front property line
126 ft from rear property line

EXISTING 2 STORY DWELLING

EXISTING 2 STORY DWELLING



LOT AREA
CONTAINS 20,000 SQ. FT.
(0.459 AC.)

971103565

16	EXISTING CONTOUR
17	PROPOSED CONTOUR
17.5	EXISTING GRADE
17.5	PROPOSED GRADE
TC=8.89	FLOW ARROW
P=8.39	TOP OF CURB ELEVATION
	PAVING ELEVATION

ELEVATIONS BASED ON
N.G.V.D. DATUM

PROPERTY LOCATED IN FLOOD
ZONE "C" AND FLOOD ZONE A-C
(ELEV. 8.0) PANEL NUMBER
345285 0001 C
REVISED MARCH 1, 1984

THIS PLAN IS FOR THE PURPOSE OF OBTAINING A
BUILDING PERMIT. BUILDING DIMENSIONS SHOWN
HEREON ARE TO BE VERIFIED BY BUILDER PRIOR TO
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DRIVEWAY TO MEET
BRICK TOWNSHIP STANDARDS

CHARLES E. LINDSTROM

PROFESSIONAL ENGINEER, N.J. LIC. NO. 24739
PROFESSIONAL PLANNER N.J. LIC. NO. 2333

Charles E. Lindstrom

JOHN F. DIESSNER

PROFESSIONAL LAND SURVEYOR, N.J. LIC. NO. 31266
PROFESSIONAL PLANNER, N.J. LIC. NO. 4342

John F. Diessner

636 **PLOT PLAN**
LOT 9, BLOCK 1385.07
TOWNSHIP OF BRICK
OCEAN COUNTY
NEW JERSEY

LINDSTROM & DIESSNER ASSOCIATES, P.C.
ENGINEERS, SURVEYORS & PLANNERS

223 DRUM POINT ROAD P.O. BOX 579 BRICK, NEW JERSEY 08723

DR BY <i>[Signature]</i>	CH. BY	SCALE 1" = 30'	DATE 1/31/1997	DWG NO. 97021
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UNDER PENALTY OF LAW

MANASQUAN

RIVER

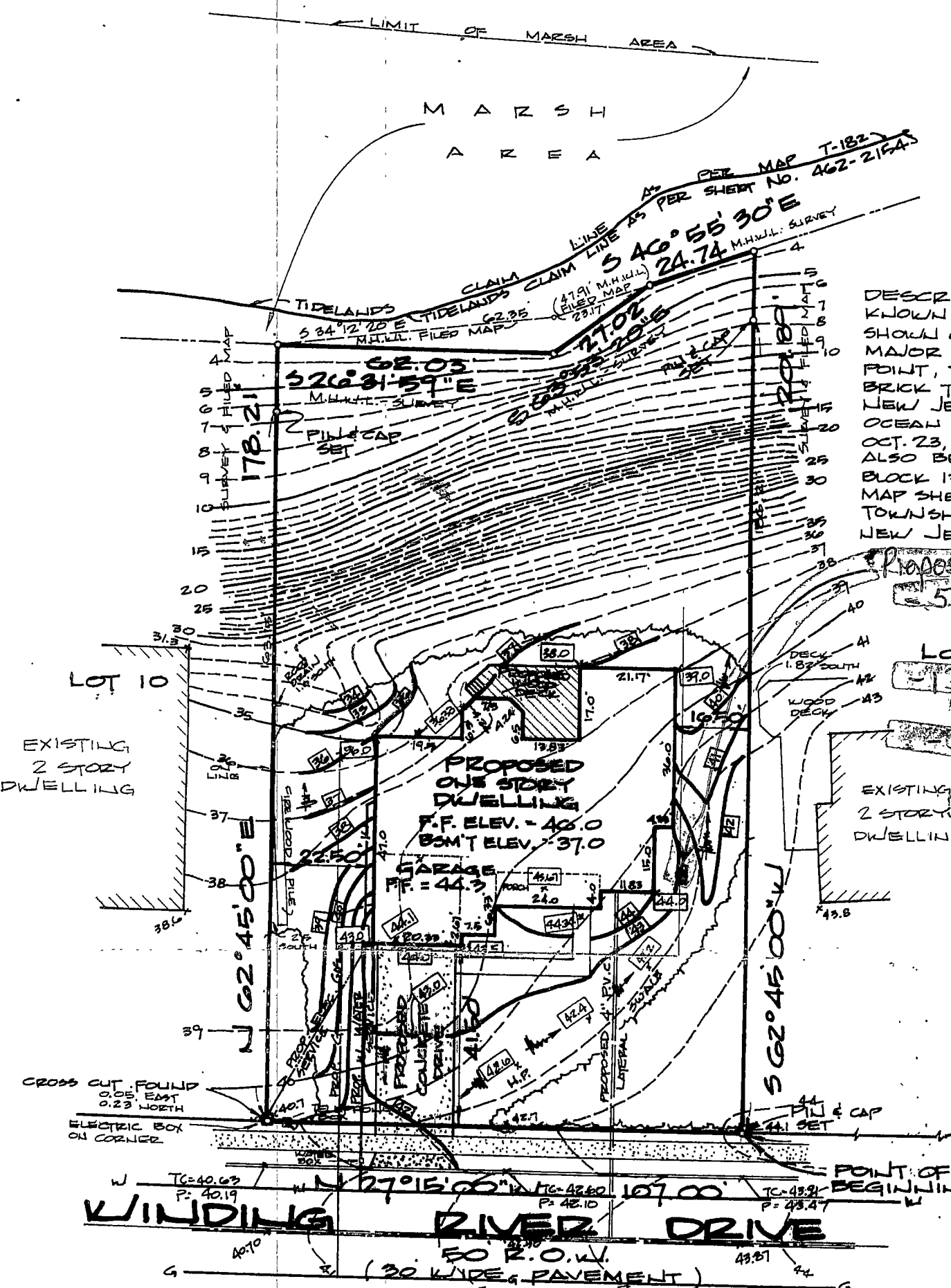
FILED MAP

MARSH AREA

APPROVED FOR ZONING
12-5-23 Gen.
CHRIS ROMANO, ZONING OFFICER

DESCRIPTION OF PROPERTY BEING KNOWN AS LOT 9, BLOCK 1385.07 AS SHOWN ON A MAP ENTITLED "FINAL MAJOR SUBDIVISION MAP, SANDBAR POINT, TAX MAP LOT 35, BLOCK 1385, BRICK TOWNSHIP, OCEAN COUNTY, NEW JERSEY" FILED IN THE OCEAN COUNTY CLERK'S OFFICE ON OCT. 23, 1984 AS MAP NO. G-1454 ALSO BEING KNOWN AS LOT 9, BLOCK 1385.07 AS SHOWN ON TAX MAP SHEET NUMBER G7.04 OF THE TOWNSHIP OF BRICK, OCEAN COUNTY, NEW JERSEY

Proposed Generator Location
5 ft from house
LOT 8
13 ft from side property line
56 ft from front property line
126 ft from rear property line



LOT AREA
CONTAINS 20,000 SQ. FT.
(0.459 AC.)

971103565

EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING GRADE
PROPOSED GRADE
FLOW ARROW
TOP OF CURB ELEVATION
PAVING ELEVATION

OFFSET DIMENSIONS FROM BUILDINGS AND FENCES AS SHOWN HEREON ARE NOT TO BE USED FOR ESTABLISHING PROPERTY LINES AND SETBACK LINES.
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ELEVATIONS BASED ON
N.G.V.D. DATUM
PROPERTY LOCATED IN FLOOD
ZONE "G" AND FLOOD ZONE A-G
(ELEV. 8.0) PANEL NUMBER
345285 0001 C
REVISED MARCH 1, 1984

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DRIVEWAY TO MEET
BRICK TOWNSHIP STANDARDS

CHARLES E. LINDSTROM
PROFESSIONAL ENGINEER, N.J. LIC. NO. 24739
PROFESSIONAL PLANNER N.J. LIC. NO. 2333

JOHN F. DIESSNER
PROFESSIONAL LAND SURVEYOR, N.J. LIC. NO. 31266
PROFESSIONAL PLANNER, N.J. LIC. NO. 4342

636

PLOT PLAN

LOT 9, BLOCK 1385.07

TOWNSHIP OF BRICK

OCEAN COUNTY

NEW JERSEY

LINDSTROM & DIESSNER ASSOCIATES, P.C.

ENGINEERS, SURVEYORS & PLANNERS

223 DRUM POINT ROAD P.O. BOX 579 BRICK, NEW JERSEY 08723

DR BY: *[Signature]* CH. BY: SCALE: 1" = 30' DATE: 1/31/1997 DWG NO. 97021

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MANASQUAN

RIVER

FILED MAP

LIMIT OF MARSH AREA

MARSH AREA

APPROVED FOR ZONING
12-5-23 Gen.
CHRIS ROMANO, ZONING OFFICER

DESCRIPTION OF PROPERTY BEING KNOWN AS LOT 9, BLOCK 138.07 AS SHOWN ON A MAP ENTITLED "FINAL MAJOR SUBDIVISION MAP, SANDBAR POINT, TAX MAP LOT 35, BLOCK 1385 BRICK TOWNSHIP, OCEAN COUNTY, NEW JERSEY" FILED IN THE OCEAN COUNTY CLERK'S OFFICE ON OCT. 23, 1984 AS MAP NO. G-1454 ALSO BEING KNOWN AS LOT 9, BLOCK 1385.07 AS SHOWN ON TAX MAP SHEET NUMBER G7.04 OF THE TOWNSHIP OF BRICK, OCEAN COUNTY, NEW JERSEY

Proposed Generator location
55 ft from house

LOT 8
13 ft from side property line
56 ft from front property line
126 ft from rear property line

EXISTING 2 STORY DWELLING

EXISTING 2 STORY DWELLING

CROSS CUT FOUND 0.05' EAST 0.23' NORTH

ELECTRIC BOX ON CORNER

WINDING RIVER DRIVE
POINT OF BEGINNING
W TC=40.63 P=40.19
N 27°15'00" W TC=42.60 P=42.10
E 107°00'00" W TC=43.21 P=43.47
S 62°45'00" W TC=43.89 P=43.39

LOT AREA
CONTAINS 20,000 SQ. FT.
(0.459 AC.)

971103565

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ELEVATIONS BASED ON N.G.V.D. DATUM

PROPERTY LOCATED IN FLOOD ZONE "C" AND FLOOD ZONE A-C (ELEV. 8.0) PANEL NUMBER 34F225 0001 C REVISED MARCH 1, 1984

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DRIVEWAY TO MEET BRICK TOWNSHIP STANDARDS

CHARLES E. LINDSTROM
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PROFESSIONAL PLANNER N.J. LIC. NO. 2333

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636

PLOT PLAN

LOT 9, BLOCK 1385.07

TOWNSHIP OF BRICK

OCEAN COUNTY

NEW JERSEY

LINDSTROM & DIESSNER ASSOCIATES, P.C.
ENGINEERS, SURVEYORS & PLANNERS

223 DRUM POINT ROAD P.O. BOX 578 BRICK, NEW JERSEY 08723

DR BY

CH. BY

SCALE

DATE

DWG NO.

1" = 30'

1/31/1997

97021

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