



445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
T 914 761 1300
F 914 761 5372
cuddyfeder.com

Lucia Chiocchio
lchiocchio@cuddyfeder.com

3/25/20

BY ELECTRONIC MAIL

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: New Cingular Wireless PCS, LLC (“AT&T”)
Notice of Exempt Modification
Emergency Back-up Generator
1081 North Street, Banksville (Greenwich), CT 06831
Lat.: 41.13929810° Long.: -73.64180500°

Dear Ms. Bachman:

This letter and enclosures are respectfully submitted on behalf of New Cingular Wireless PCS, LLC (“AT&T”). AT&T currently maintains its wireless telecommunications facility at 1081 North Street in the Town of Greenwich, Connecticut. Crown Atlantic Company LLC is owner of the underlying property and Crown Castle is the owner of the tower. AT&T submits this letter and enclosures to the Connecticut Siting Council (“Council”) to notify the Council of AT&T’s intent to perform modifications to the existing facility that do not have substantial adverse environmental effects and thus do not require a certificate pursuant to Section 16-50k of the Connecticut General Statutes.

AT&T intends to install one (1) new Generac 20KW Diesel Generator within the existing grade-level fenced equipment compound as demonstrated on the plans enclosed as Attachment 1. AT&T’s existing facility supports its FirstNet program which provides first responders with priority access to AT&T’s network to ensure adequate communication capabilities in the event of emergency. AT&T’s proposed generator will ensure that critical communication capability for first responders and the public are not lost in the event of a loss of power.

AT&T’s proposed generator will also advance the State’s goal of natural disaster and emergency



3/25/20
Page 2

preparedness. As discussed in the Council’s Docket 432 Findings and Report and Docket 440 proceedings and Findings of Fact (Nos. 76- 77), in response to two significant storm events in 2011, the State formed a Two Storm Panel (the “Panel”) that evaluated Connecticut’s approach to planning and mitigation of impacts associated with emergencies and natural disasters. The Panel found that “wireless telecommunications service providers were not prepared to serve residential and business customers during a power outage” because certain companies had limited backup generator capacity.¹ The Panel also noted that “[t]he failure of a large portion of Connecticut’s telecommunications system during the two storms is a life safety issue.” The Panel recommended that State regulatory bodies review “telecommunications services currently in place to verify that the vendors have sufficient generator and backhaul capacity to meet the emergency needs of consumers and businesses” and that the “Connecticut Siting Council should require continuity of service plans for any cellular tower to be erected.”² The planned modifications will ensure continuity of services by reinforcing AT&T’s back-up power and backhaul capacity to meet the emergency needs of first responders, consumers and businesses in the event of a power outage.

The planned modifications to the facility fall squarely within the activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2) as the planned modifications:

- Will not result in an increase in the height of the existing structure;
- Will not require the extension of the site boundary;
- Will not increase noise levels at the facility by more than six decibels or more, or to levels that exceed state or local criteria since emergency backup generators are exempt from noise regulations as “noise created as a result of, or relating to, an emergency”;³
- Will not increase radio frequency emission at the facility to a level at or above the Federal Communications Commission safety standards;
- Will not cause a change or alteration in the physical or environmental characteristics of the site; and
- Will not impair the structural integrity of the facility.

The facility was originally approved by the Council in 1988 (Docket No. 86). Copies of the approvals were not available at the time of this submission.

The proposed modifications will have no impact on the existing tower structure itself or the radio-

¹ See Council Administrative Notice Item No. 39

² See Council Administrative Notice Item No. 39.

³ R.C.S.A. § 22a-69-1.8.



3/25/20
Page 3

frequency emissions as the proposed modifications only consist of the addition of one new generator within the grade-level fenced equipment compound. Thus, AT&T respectfully requests a waiver from submission of information relating to the existing tower structure or the radio-frequency emissions.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-73. In accordance with R.C.S.A. § 16-50j-73, a copy of this letter and enclosure are being sent by email to the First Selectman Fred Camillo and the Planning & Zoning Department as well as by first class mail to the property owner and structure owner identified above. Certificate of mailing is enclosed as Attachment 2.

For the foregoing reasons, AT&T respectfully submits that the proposed modification to the above referenced wireless telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Very truly yours,

A handwritten signature in blue ink that reads "Lucia Chiochio". The signature is written in a cursive, flowing style.

Lucia Chiochio

Attachments

cc: First Selectman Fred Camillo, Town of Greenwich
Katie DeLuca, Director, Planning & Zoning Department
Crown Castle, Tower Owner
Crown Atlantic Company LLC, Property Owner
AT&T
General Dynamics Information Technology
Daniel Patrick, Esq. & Julie Durkin, Cuddy & Feder, LLP

ATTACHMENT 1

RAMAKER & ASSOCIATES, INC.
 100% EMPLOYEE-OWNED
 855 Community Dr, Sauk City, WI 53583
 608-643-4100 www.Ramaker.com
 Sauk City, WI • Willmar, MN
 Woodcliff Lake, NJ • Bayamon, PR

PREPARED FOR:


CONSULTANT:
GENERAL DYNAMICS
 Information Technology, Inc.
 GENERAL DYNAMICS
 681 MOORE RD STE 110
 KING OF PRUSSIA, PA 19406

Continuation of Sheet
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the law of the State of Connecticut.



MARKS	DATE	DESCRIPTION
PHASE	FINAL	DATE ISSUED: 03/09/2020
PROJECT TITLE:		

BANKSVILLE
 FA ID # 10035069

PROJECT INFORMATION:
 1081 NORTH STREET BANKSVILLE
 GREENWICH, CT 06831

SHEET TITLE:
 WIRING DETAILS

SCALE: NONE

DATE PLOTTED: 4/28/20
 SHEET NUMBER: E-1

ALARM WIRE IDENTIFICATION CHART

WIRE	ALARM
BROWN	GENERATOR RUNNING
BROWN / WHITE	CRITICAL FAULT
GREEN	MINOR FAULT
BLUE	LOW FUEL
BLUE / WHITE	FUEL LEAK
ORANGE / WHITE	
BROWN / WHITE *	

*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART

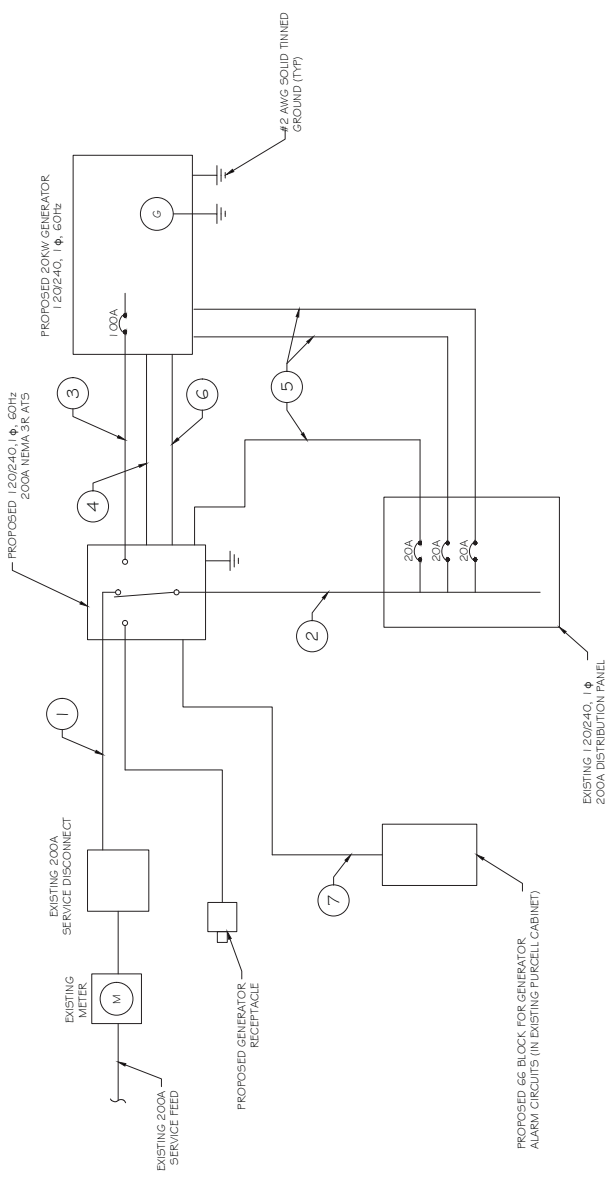
SCALE: NTS

DIAGRAM CIRCUIT SCHEDULE

NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/0	(1) #4	2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) #3	(1) #6	1 1/2"	EMERGENCY POWER FEEDER TO ATS
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10	1"	START CIRCUIT
5	LOAD CENTER (DISTRIBUTION CENTER)	GENERATOR, ATS	(2) #12 (1) #12 (2) #12	(1) #12 (1) #12 (1) #12	1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER CIRCUIT FOR BATTERY CHARGER CIRCUIT FOR ATS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	1/2 PAIR 24 AWG OR 2EA G-PAIR 24 AWG CAT5	N/A	1"	ALARM CABLES (1) 1/2 PAIR 24 AWG. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	2EA G-PAIR 24 AWG OR 2EA G-PAIR 24 AWG CAT5	N/A	1"	ALARM CABLES (1) 1/2 PAIR 24 AWG (RUN TO PURCELL CABINET & INTO ALARM BOX). PURCELL CABINET & CHARGER CABLES TO BE PUNCHED DOWN G BY AT&T TECH. LABEL ALL WIRES

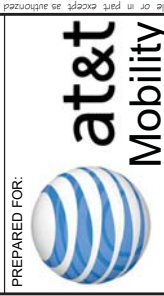
CIRCUIT DETAIL

SCALE: NTS



PROPOSED WIRING DIAGRAM

SCALE: NTS



CONSULTANT:
GENERAL DYNAMICS
 Information Technology, Inc.
 GENERAL DYNAMICS
 861 MOORE RD STE 110
 KING OF PRUSSIA, PA 19406



MARKS	DATE	DESCRIPTION
DATE	03/09/2020	DATE
PHASE	FINAL	PHASE
PROJECT TITLE:		

BANKSVILLE
FA ID # 10035069

PROJECT INFORMATION:
 1081 NORTH STREET BANKSVILLE
 GREENWICH, CT 06831

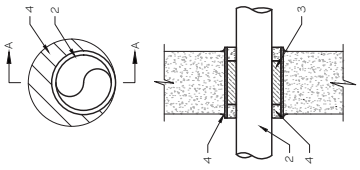
SHEET TITLE:
 PANEL AND PENETRATION
 DETAILS

SCALE: NONE

DATE: 4/28/2020
 SHEET NUMBER: E-2

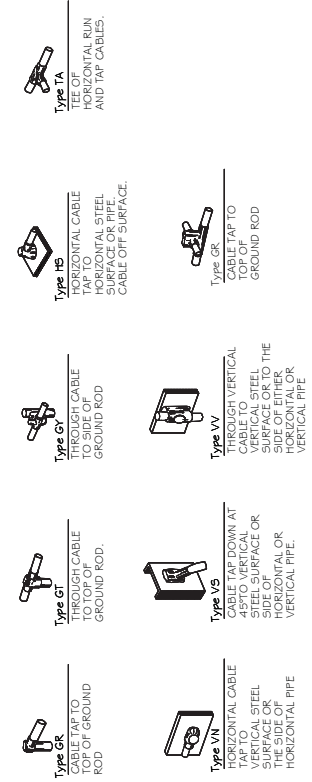
U.L. SYSTEM NO. CAJ-1150
 CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U902
 F RATING = 0 HR
 T RATING = 0 HR

- FLOOR OR WALL ASSEMBLY: MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY U.L. CLASSIFIED CONCRETE BLOCKS - MAX DIAMETER OF OPENING IS 4". SEE SECTION 05100 (PART 2) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- THROUGH PENETRATIONS: ONE METALLIC PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MINIMUM 2" (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES ARE ALLOWED:
 - STEEL PIPE - NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
 - IRON PIPE - NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) RIGID PVC CONDUIT.
 - PACKING INSULATION: PACKING INSULATION SHALL BE 1/2" MINIMUM CELLULOSE WOOL BATTING INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
 - OR CAVITY MATERIAL: SEALANT, MINIMUM 1/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR AND WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MINIMUM 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL. W RATINGS APPLIES ONLY WHEN CPE6015 OR CPE604 SEALANT IS USED.
- HILTI CONSTRUCTION CHEMICALS, DIV. OF HILTI INC.: CPE6015, CPE604, CPE606, OR F5-ONE SEALANT.
- * BEARING THE U.L. CLASSIFICATION MARK.



NOTE:
 IF EXISTING CONSTRUCTION VARIES FROM THIS DETAIL, AN EQUAL 3-HR U.L. PENETRATION APPROPRIATE FOR THE EXISTING WALL TYPE SHALL BE USED.
 GC SHALL USE NON-SHRINKING CAULK TO WEATHERSEAL ALL PENETRATIONS INTO OR THRU SHELTER WALL.

OUTER WALL PENETRATION DETAIL
 (IF APPLICABLE)
 SCALE: NTS



AC Distribution Panel - Layout Diagram

Breaker Position	Breaker Type	On/Off	Size	Circuit Label	Breaker Position	Breaker Type	On/Off	Size	Circuit Label
1	2P	ON	40	RECTIFIER 1	2	2P	ON	30	RECTIFIER 5
3	2P	ON	40	RECTIFIER 2	4	2P	ON	30	
5	2P	ON	40	RECTIFIER 3	6	2P	ON	30	EMERSON AIR COND
7	2P	ON	40	EMERSON 120V	8	2P	ON	20	
9	2P	ON	40	RECTIFIER 4	10	1P	ON	20	
11	2P	ON	30		12	1P	ON	20	
13	2P	ON	30		14	1P	ON	20	
15	2P	ON	30		16	2P	ON	30	RECTIFIER 6
17	1P	ON	30		18	2P	ON	30	
19	1P	ON	20		20	1P	ON	20	

EXISTING PANEL SCHEDULE
 SCALE: NTS

PROPOSED 20A BREAKERS FOR ATS, BLOCK HEATER AND BATTERY CHARGER ON NEW ATFT GENERATOR

AC Distribution Panel - Layout Diagram

Breaker Position	Breaker Type	On/Off	Size	Circuit Label	Breaker Position	Breaker Type	On/Off	Size	Circuit Label
1	1P	ON	20	ATS	2	2P	ON	30	
3	1P	ON	20	BLOCK HEATER	4	2P	ON	30	
5	1P	ON	20	BATTERY CHARGER	6	2P	ON	30	
7					8	2P	ON	30	
9					10	2P	ON	30	
11					12	2P	ON	30	

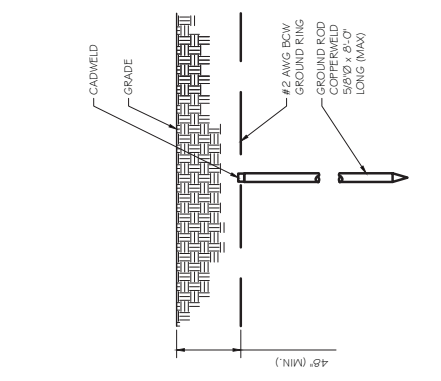
PROPOSED SUBPANEL SCHEDULE
 SCALE: NTS

NOTE:
 CONTRACTOR TO LABEL WIRES WITH P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.

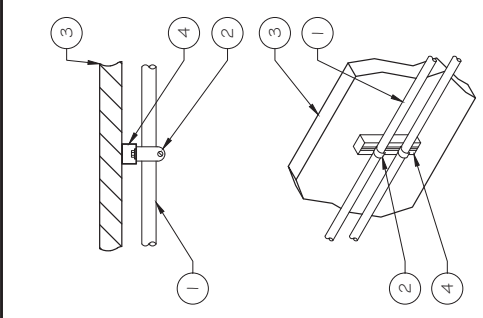
***CONTRACTOR TO UTILIZE NEXT AVAILABLE IN SEQUENCE SINGLE BREAKER POSITION FOR GENERATOR, BATTERY CHARGER, BATTERY HEATER AND BLOCK HEATER.**

CADWELD DETAILS
 SCALE: NTS

- NOTE:
- GROUND RODS MAY BE:
 - COPPER CLAD STEEL
 - COPPER BOND STEEL
 - GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD
 - SEE RESISTIVITY REPORT FOR SPECIFICATION AS AVAILABLE
 - A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO CORROSION SUCH AS AREAS WITH HIGHLY ACIDIC SOIL
 - GROUND RODS INSTALLED WITHIN CLOSE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2,000 OHM-CM, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER. (SEE ANSI/ASTM-A14-222-G)
 - PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR.



GROUND ROD DETAIL
SCALE: NTS



CONDUIT WALL MOUNT
SCALE: NTS

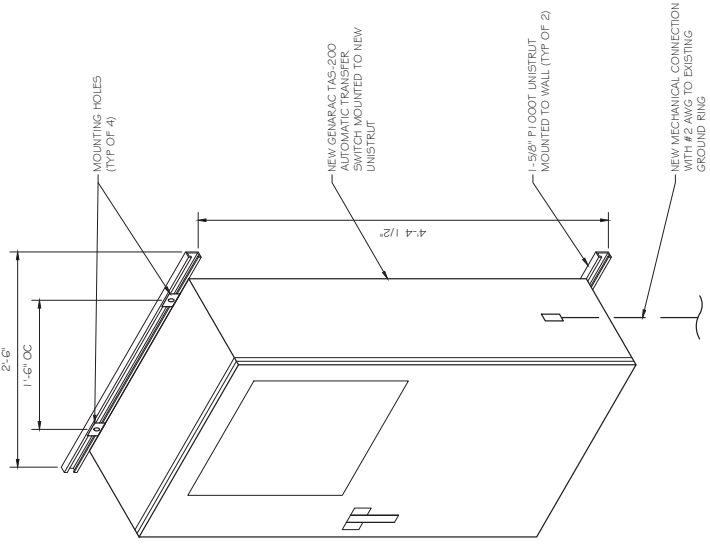
WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW - AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	3/8" DIA. HILTI HY-20 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	3/8" DIA. HILTI HY-150 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"

NOTE: USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT & CONNECTIONS OF CHANNELS SPACE UNITS @ 5'-0" O.C., LENGTH OF RUN

WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW - AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-20 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-150 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"

NOTE:

- USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS SPACE UNITS @ 5'-0" O.C., LENGTH OF RUN
- ALL PENETRATIONS INTO OR THROUGH SHIELD WALL WEATHER SEAL



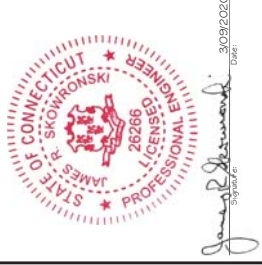
GENERAC ATS MOUNTING DETAIL
SCALE: NTS

RAMAKER & ASSOCIATES, INC.
 100% EMPLOYEE-OWNED
 855 Community Dr, Sauk City, WI 53583
 608-643-4100 www.Ramaker.com
 Sauk City, WI • Willmar, MN
 Woodcliff Lake, NJ • Bayamon, PR

PREPARED FOR:


CONSULTANT:
GENERAL DYNAMICS
 Information Technology, Inc.
 GENERAL DYNAMICS
 601 MOORE RD STE 110
 KING OF PRUSSIA, PA 19406

Contractor's Seal
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the law of the State of Connecticut.



NO.	DATE	DESCRIPTION
1	03/09/2020	FINAL

PROJECT TITLE:
BANKSVILLE
 FA ID # 10035069

PROJECT INFORMATION:
 1081 NORTH STREET BANKSVILLE
 GREENWICH, CT 06831

SHEET TITLE:
 GENERAC 20KW GENERATOR
 SPECIFICATIONS

SCALE: NONE

DATE: 03/09/2020
 SHEET NUMBER: 45812
 OF 4

SDC20 | 2.5L | 20 kW - AC
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER
 Model 0007098-0 (Steel)

- STANDARD FEATURES**
- ENGINE SYSTEM**
 - Class H Insulation Material
 - 4" Drain Extension
 - Oil Cooler with Service Indicator
 - 5" Air Filter
 - Stainless Steel Flexible Exhaust Connection
 - Exhaust Silencer with Drain
 - Factory Filled Oil & Coolant
 - Fuel System**
 - Primary Fuel Filter
 - Cooling System**
 - 120V AC Coolant Heater
 - Closed Coolant Recovery System
 - UV/Infrared Resistant Hoses
 - Factory-Installed Radiator
 - 3500 Engine Optical Antifreeze
 - Radiator Drain Extension
 - Electrical System**
 - Battery Charging Alternator
 - AGM Spill Proof Battery
 - Battery Cables
 - Sealed Rubber-Booted Engine Electrical Connections
 - Solenoid Activated Starter Motor
 - Output Circuit Breaker

- ENCLOSURE**
 - Serviceable Items Accessible Through Lift-Off Door
 - High Performance Sound-Absorbing Material
 - 23" Sound Duct
 - Sounded Sillars
 - Soundproofed Exhaust
 - Exhaust Silencer with Drain
 - Factory Filled Oil & Coolant
 - Sealed Bearings
 - Rotor Dynamically Spin Balanced
 - Full Load Capacity Alternator
 - Protective Thermal Shutdown
- FUEL TANK**
 - UL 147 Compliant
 - Double Wall Construction
 - Factory Pressure Tested (5 psi)
 - Rupture Basin Alarm
 - Fuel Level Gauge and Sender
 - Check Valve in Supply Line
 - Rinco Coat™ - Insulated Polyester Powder Coat
 - Stainless Steel Hardware
 - Integrated Fork Pockets

- ALTERNATOR SYSTEM**
 - Class H Insulation Material
 - 4" Drain Extension
 - Oil Cooler with Service Indicator
 - 5" Air Filter
 - Stainless Steel Flexible Exhaust Connection
 - Exhaust Silencer with Drain
 - Factory Filled Oil & Coolant
 - Sealed Bearings
 - Rotor Dynamically Spin Balanced
 - Full Load Capacity Alternator
 - Protective Thermal Shutdown
- GENERATOR SET**
 - Single Pole Service
 - Internal Grounding System
 - Separation of Circuits - High/Low Voltage
 - Separate Heat Shield
 - Factory-Installed Radiator
 - 3500 Engine Optical Antifreeze
 - Radiator Drain Extension
 - 5 Year Extended Warranty
 - 12 Gallon System Spill Containment
 - 25 Gallon Fuel Fill Spill Containment

- CONTROL SYSTEM**
 - Digital H Control Panel - Dual 4x20 Display
 - Programmable Crank Limiter
 - 7 Day Programmable Exerciser
 - Special Applications Programmable PLC
 - RS-232/485 Communications
 - Auto On/Manual Switch
 - Full System Status
 - 2-Wire Start Compatible
 - Power Output (kW)
 - kWh Hours, Total & Last Run
 - Real/Reactive/Apparent Power
 - AF Phase AC Voltage
 - AF Phase Currents
 - Oil Pressure
 - Coolant Temperature
 - Coolant Level
 - Engine Speed
 - Battery Voltage

MODEL OPTIONS

- 21 Light Annunciator - Shipped Loose Kit and Field Installed
- External E-Stop - Shipped Loose Kit and Field Installed

ENCLOSURE

- Aluminum Enclosure
- Extreme Cold Weather Kit - Shipped Loose Kit and Field Installed

TANKS

- External Fuel Vents - Shipped Loose Kit and Field Installed

SDC20 | 2.5L | 20 kW - AC
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER
 Model 0007098-0 (Steel)



Standby Power Rating
 20 kW AC, 60 Hz

- Codes and Standards**
 Generac products are designed to the following standards:
- UL2200, UL508, UL142, UL489
 - NFPA 37, 70, 99, 110
 - NEC700, 701, 702, 708
 - ISO 3046, 7637, 8528, 9001
 - NEMA ICS10, MG1, 250, ICS6, AB1
 - ANSI C62.41

Powering Ahead
 For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

ISO 9001
USA
UL
IEC
ISO 14001
NEMA
ANSI

SPEC SHEET
 1 of 5



RAMAKER & ASSOCIATES, INC.
100% EMPLOYEE-OWNED
855 Community Dr, Sauk City, WI 53583
608-643-4100 www.Ramaker.com
Sauk City, WI • Willmar, MN
Woodcliff Lake, NJ • Bayamon, PR

PREPARED FOR:



CONSULTANT:
GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
681 MOORE RD STE 110
KING OF PRUSSIA, PA 19406

Continued on Sheet 1
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



DATE	DESCRIPTION	DATE	BY
03/09/2020	FINAL	03/09/2020	JD

BANKSVILLE
FA ID # 10035069

PROJECT INFORMATION:
1081 NORTH STREET BANKSVILLE
GREENWICH, CT 06831

SHEET TITLE:
GENERAC 20KW GENERATOR
SPECIFICATIONS

SCALE: NONE

DATE: 4/15
DRAWING NUMBER: E-4-1

SDC20 | 2.5L | 20 kW - AC
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER
Model 0007098-0 (Steel)

OPERATING DATA

POWER RATINGS

Single-Phase 120/240 VAC @ 1.0pf 20 kW
Circuit Breaker Size 100A Amps: 83

FUEL CONSUMPTION RATES*

Percent Load	Diesel - gph (lph)	Standby
25%	0.74 (2.80)	
50%	0.99 (3.75)	
75%	1.41 (5.30)	
100%	1.90 (7.19)	

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

Standby	Standby
11.9 (45)	11.9 (45)
gal (L)	gal (L)
3.5 (13.2)	3.5 (13.2)
BTU/hr	238,200
Heat Rejection to Coolant	
Max. Operating Ambient Temperature (Before Derate)	77° (25°)
Maximum Radiator Backpressure	in H ₂ O 0.50

COMBUSTION AIR REQUIREMENTS

Standby	Standby
88 (2.49)	88 (2.49)
Flow at Rated Power cfm (m ³ /min)	

EXHAUST

Standby	Standby
103 (298)	103 (298)
Exhaust Flow (Rated Output)	cfm (m ³ /min)
1.38 (4.67)	1.38 (4.67)
Max. Backpressure (Rigid Silencer)	inHg (kPa)
928 (467.7)	928 (467.7)
Exhaust Temp (Rated Output - Post Silencer)	°F (°C)

ENGINE

Standby	Standby
1800	1800
rpm	rpm
33.5	33.5
hp	hp
1220-47	1220-47
psi	psi
96.5	96.5

Rated Engine Speed
Maximum at Rated kW**
Riston Speed
BMEP

** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAQMD permitting purposes.
Derate - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO1046, BS5514, ISO8528 and DIN6271 standards.

GENERAC 20KW GENERATOR SPECIFICATIONS
SCALE: NTS

SDC20 | 2.5L | 20 kW - AC
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER
Model 0007098-0 (Steel)

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Cooling System

Water Pump Type	Forced Circulation
Centrifugal Pump	
Fan Type	Pusher
Fan Speed (rpm)	2100
Fan Diameter - mm (in)	431.8 (17)
Coolant Heater Wrating	1000
Coolant Heater Voltage	120

Fuel System

Fuel Type	Ultra Low Sulfur Diesel #2
Fuel Specifications	ASTM
Fuel Filtration (microns)	6
Fuel Inject Pump Make	Bosch
Injector Type	Engine Driven Gear
Engine Type	Diesel
Fuel Supply Line - mm (in.)	6.6 (0.26)

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

Lubrication System

Oil Pump Type	Trochoid Gear Pump
Oil Filter Type	Filtration Paper, Full Flow
Crankcase Capacity - L (qt)	6.3 (6.9)

ALTERNATOR SPECIFICATIONS

Standstill Model	Misc Aite ECP 28-2L4
Poles	4
Field Type	Brushing
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<45
Standard Excitation	Brushless

BEARINGS

Coilings	Dual Sealed
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.5%

RATING DEFINITIONS
Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

GENERAC 20KW GENERATOR SPECIFICATIONS
SCALE: NTS

RAMAKER & ASSOCIATES, INC.
 100% EMPLOYEE-OWNED
 855 Community Dr, Sauk City, WI 53583
 608-643-4100 www.Ramaker.com
 Sauk City, WI • Willmar, MN
 Woodcliff Lake, NJ • Bayamon, PR

PREPARED FOR:


CONSULTANT:
GENERAL DYNAMICS
 Information Technology, Inc.
 GENERAL DYNAMICS
 861 MOORE RD STE 110
 KING OF PRUSSIA, PA 19406

Certification & Seal
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the law of the State of Connecticut.



James J. Skowronski
 Signature Date: 03/09/2020

MARK	DATE	DESCRIPTION
REVISED	03/09/2020	DATE ISSUED
FINAL		PROJECT TITLE

BANKSVILLE
 FA ID # 10035069

PROJECT INFORMATION:
 1081 NORTH STREET BANKSVILLE
 GREENWICH, CT 06831

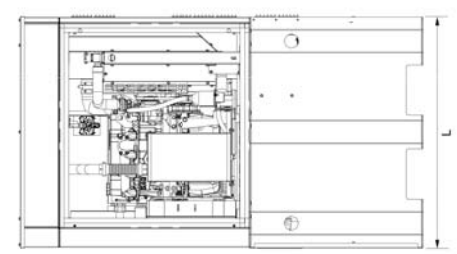
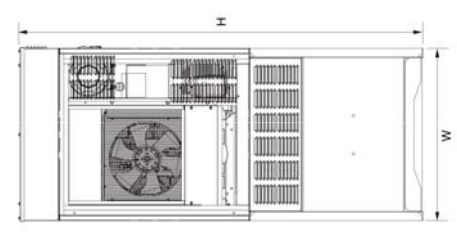
SHEET TITLE:
 GENERAC 20KW GENERATOR
 SPECIFICATIONS

SCALE: NONE

DATE PLOTTED: 03/09/2020
 SHEET NUMBER: 45812
 E-4.2

GENERAC INDUSTRIAL POWER
 Model 0007098-0 (Steel)

SDC20 | 2.5L | 20 kW - AC
 INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency



Level 2 Sound Attenuation Enclosure

Run Time Hours	48
Usable Capacity Gal (L)	92 (348.2)
L x W x H in (mm)	48 x 36 x 90 1219.2 x 914.4 x 2286
Weight lbs (kg)	2400 (1089)
Sound Level	71 dBA

* All measurements are approximate and for estimation purposes only.

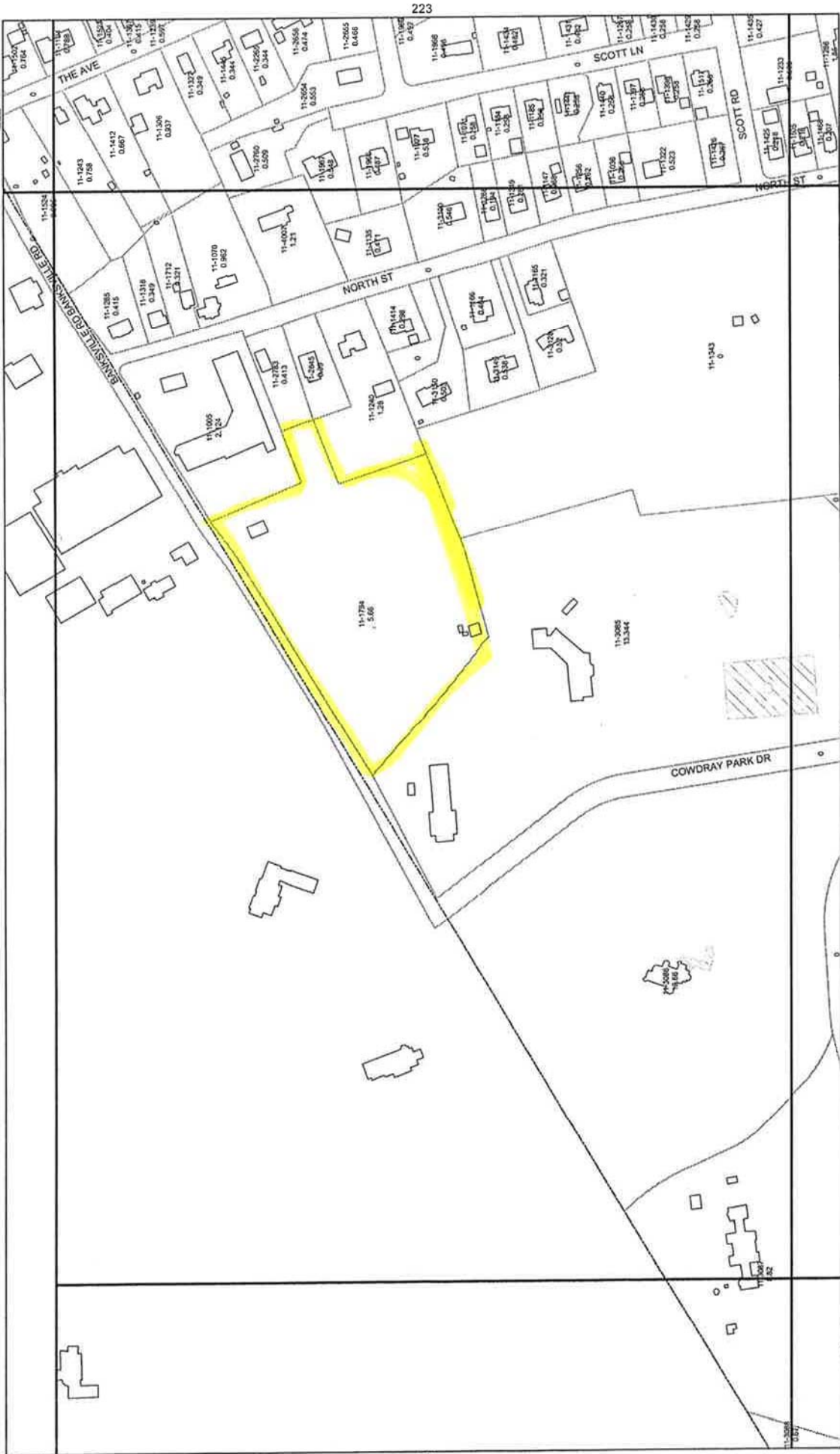
YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER



Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O. Box 8 | Watikema, WI 53189
 P: (262) 544-8111 ©2016 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.
 Document No. 1000000019
 Rev. WP 110416

GENERAC 20KW GENERATOR
 SPECIFICATIONS
 SCALE: NTS



TOWN OF GREENWICH TAX MAP 187 VOL 3

This map was produced from the Town of Greenwich Geographic Information System. The Town expressly disclaims any liability that may result from the use of this map. Aerial: 4/2/06, Data: 10/7/08, Map: 7/20/09. Copyright © 2005 by the Town of Greenwich.



ATTACHMENT 2

CERTIFICATION

I hereby certify that on the 25 day of March 2020, a copy of AT&T's Exempt Modification Request to the Connecticut Siting Council was sent by electronic mail to the chief elected official and the planning and zoning department of the municipality in which the facility is located as well as by first class mail to the property owner and tower/facility owner.

Dated: 3/25/20



Cuddy & Feder LLP
445 Hamilton Ave, 14th Floor
White Plains, NY 10601
Attorneys for:
New Cingular Wireless PCS, LLC (AT&T)