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Daniel Patrick  
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6/8/21

**VIA ELECTRONIC AND FEDERAL EXPRESS**

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  
2-4 Volunteer Drive, Windsor Locks, CT 06096  
Lat.: 41.9277919°; Long.: -72.6474989°

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 on the existing tower located at 2-4 Volunteer Drive in the Town of Windsor Locks, Connecticut. The underlying property is owned by the Town of Windsor Locks and the structure is owned by MCM Acquisitions 2017 LLC. 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 35kW 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 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

6/8/21

Page 2

customers during a power outage” because certain companies had limited backup generator capacity. 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.” The planned modifications will ensure continuity of services by reinforcing AT&T’s backup 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”;
- 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 existing tower was originally approved by the Town of Windsor Locks in or around 1999. Copies of the prior approvals were not available at the time of this exempt modification filing. Siting Council records suggest that Town staff has previously confirmed that no post-construction conditions were attached to the original approvals. The Siting Council has since acknowledged several of AT&T’s modifications to the existing facility (EM-CING-081-126-131-164-165-070808; EM-CING-165-120515; EM-CING-165-180614; EM-CING-165-180803; EM-CING-165-200401; EM-CING-165-200622). AT&T’s proposed modifications comply with any applicable conditions.

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



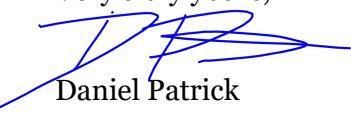
6/8/21

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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 to the Honorable J. Christopher Kervick, First Selectman of the Town of Windsor Locks, as well as the property owner and structure owner identified above. Certification of Service 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,



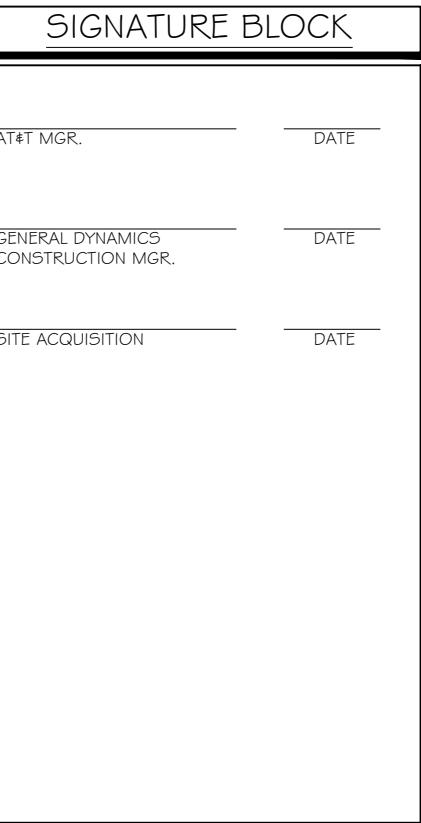
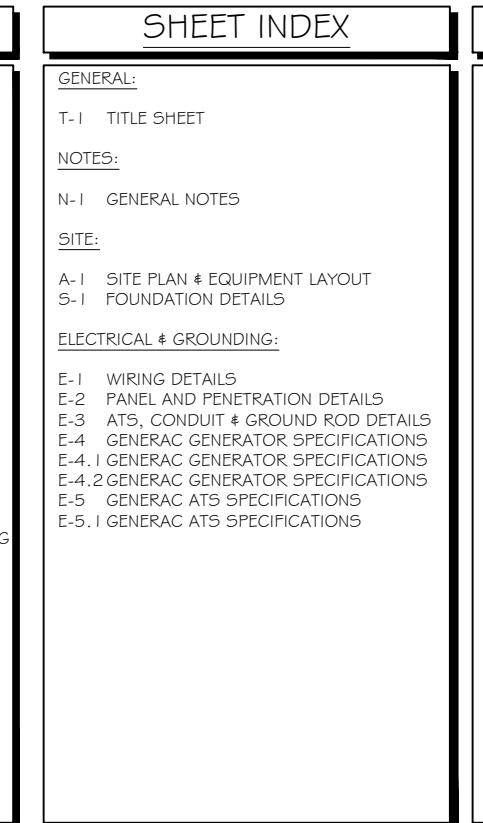
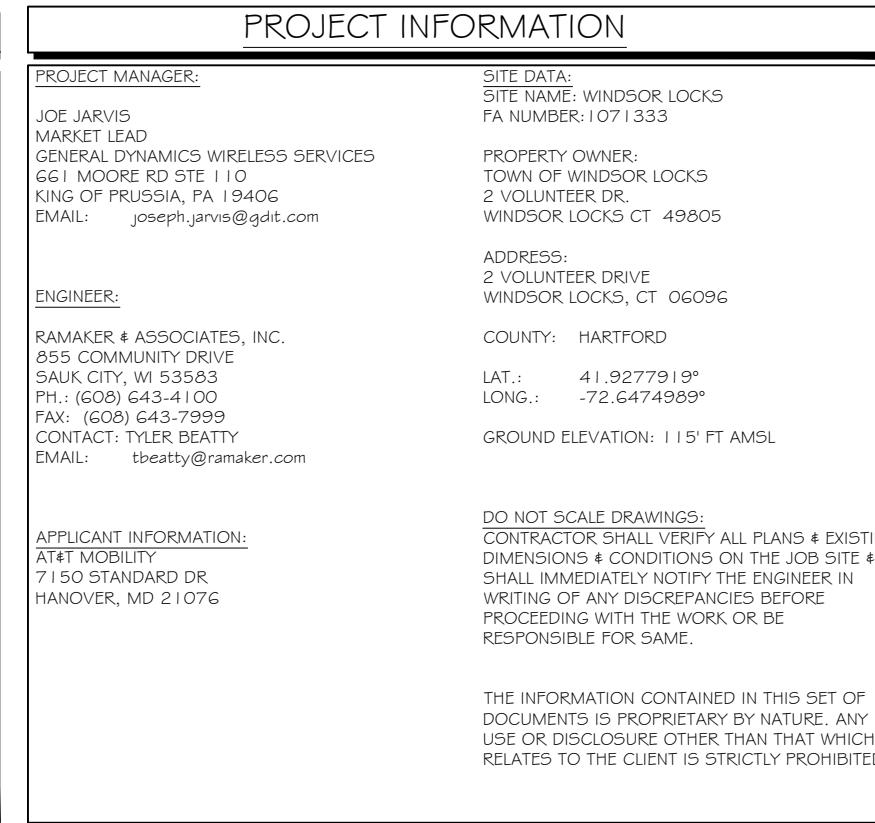
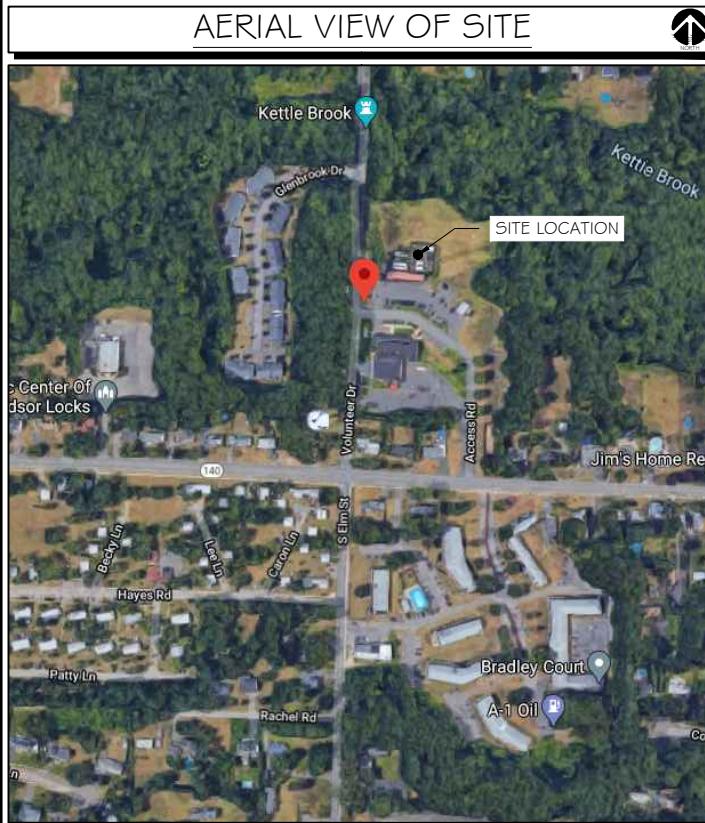
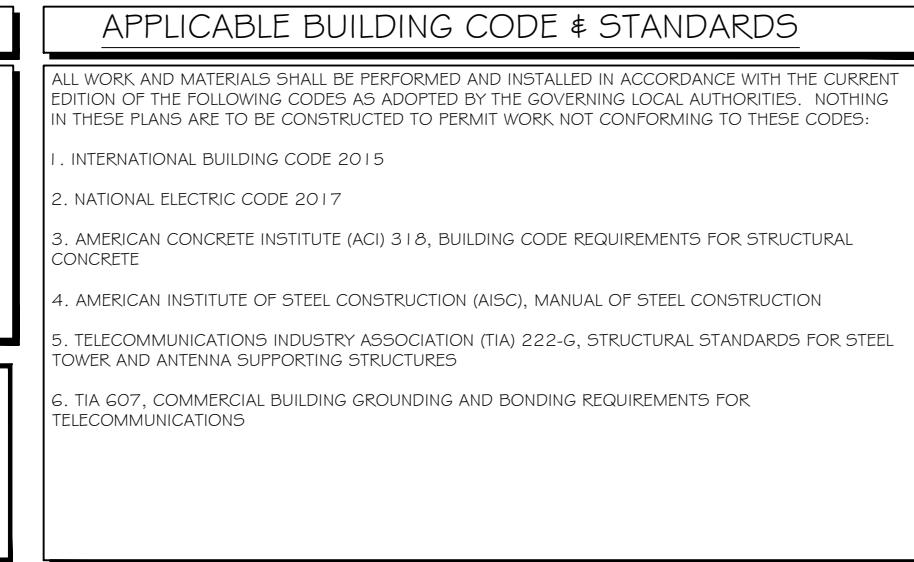
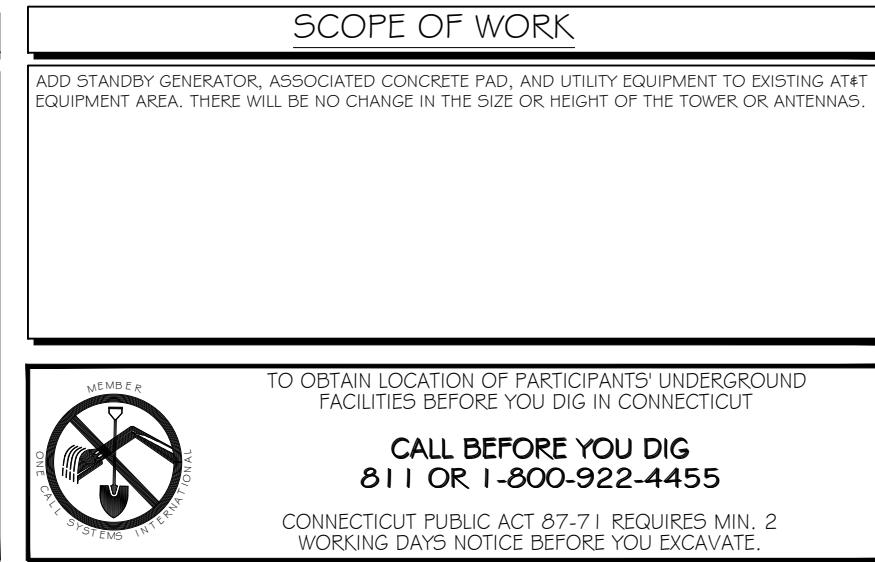
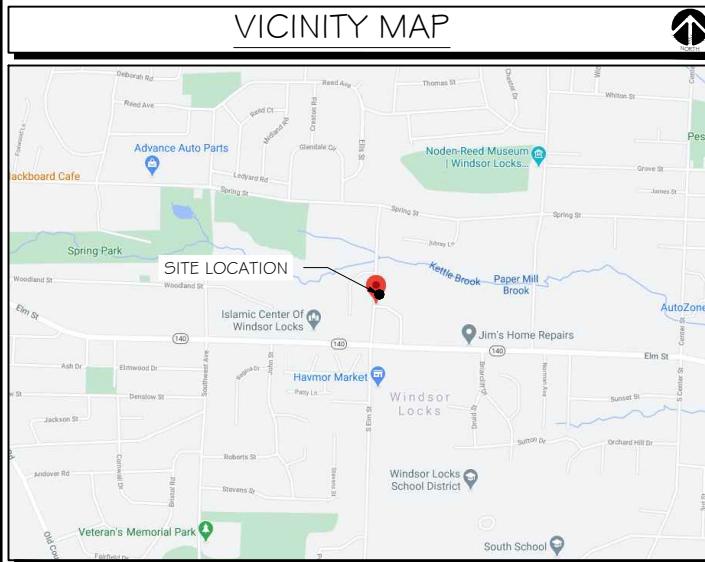
Daniel Patrick

Attachments

cc: The Honorable J. Christopher Kervick, First Selectman, Town of Windsor Locks  
Scott Nolan, Town Clerk, Town of Windsor Locks  
Jennifer V. Rodriguez, Town Planner, Town of Windsor Locks  
MCM Acquisitions 2017 LLC  
AT&T  
General Dynamics Information Technology, Inc.  
Lucia Chiocchio, Esq.  
Julie Durkin

# ATTACHMENT 1

SITE NAME: WINDSOR LOCKS  
FA LOCATION CODE: 1071333



**CONSULTANT:**  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
661 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 laws of the State of Connecticut.



Signature: \_\_\_\_\_ Date: 5/26/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 05/26/2021  
PROJECT TITLE: WINDSOR LOCKS  
FA ID # 1071333

PROJECT INFORMATION: 2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096  
SHEET TITLE: TITLE SHEET  
SCALE: NONE

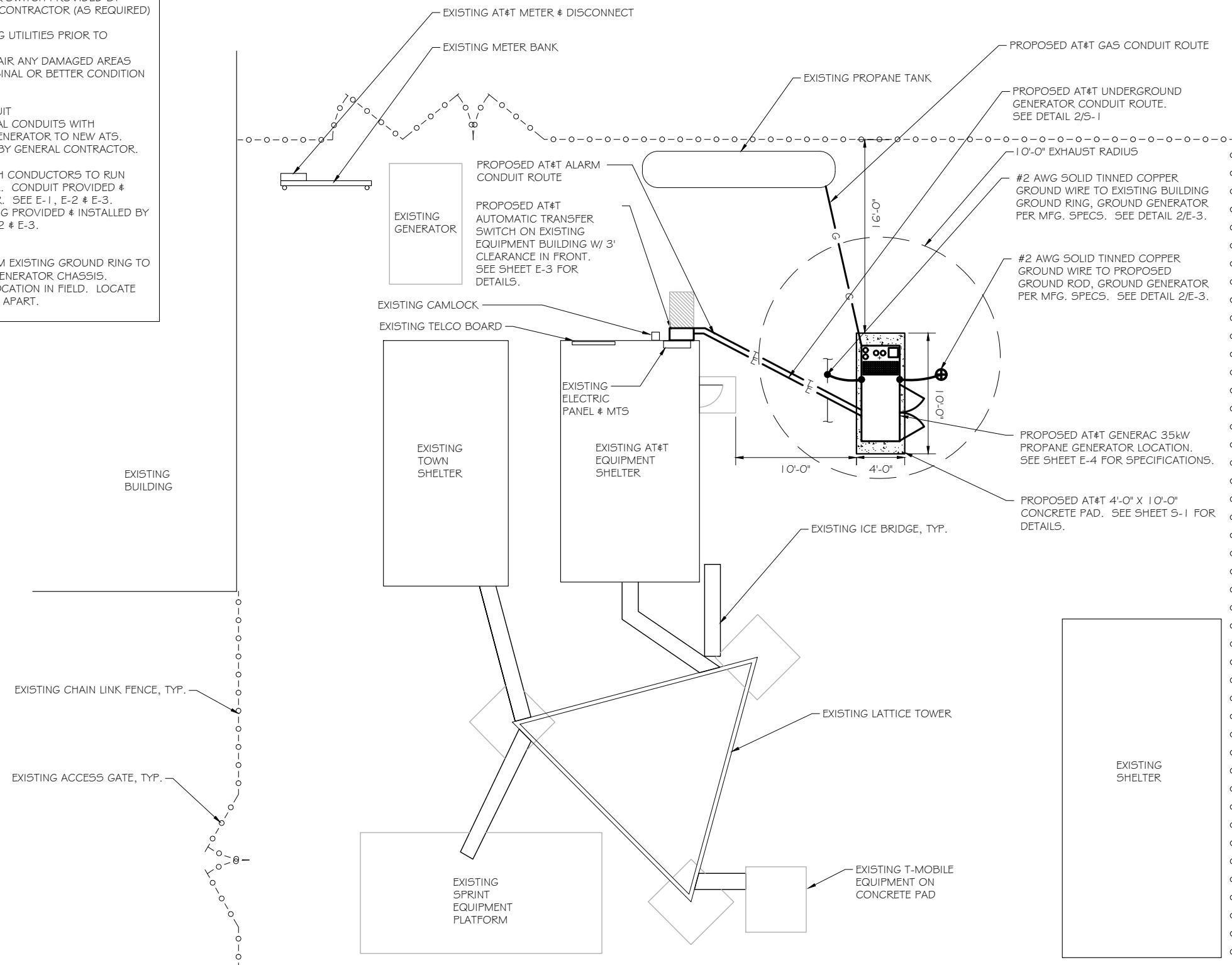
PROJECT NUMBER 51198  
SHEET NUMBER T-1



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employee-owned  
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employee-owned  

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**(608) 643-4100** [www.ramaker.com](http://www.ramaker.com)

PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
661 MOORE RD STE 110  
KING OF PRUSSIA, PA 19406

**Certification & Seal:**  
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James R. Geronowski 5/26/2021  
Signature: Date:

MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 05/26/2021

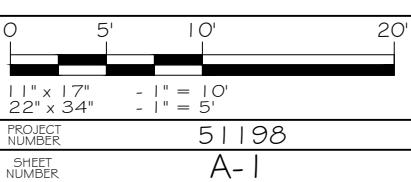
PROJECT TITLE: WINDSOR LOCKS  
FA ID # 1071333

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PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

**SHEET TITLE:**

## SITE PLAN





NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/O	(1) #4	2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/O	(1) #4	2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) 3/O	(1) #4	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 (2) #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	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 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	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG (RUN TO PURCELL CABINET & INTO ALARM BOX). PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES

CIRCUIT DETAIL  
SCALE: NTS

1

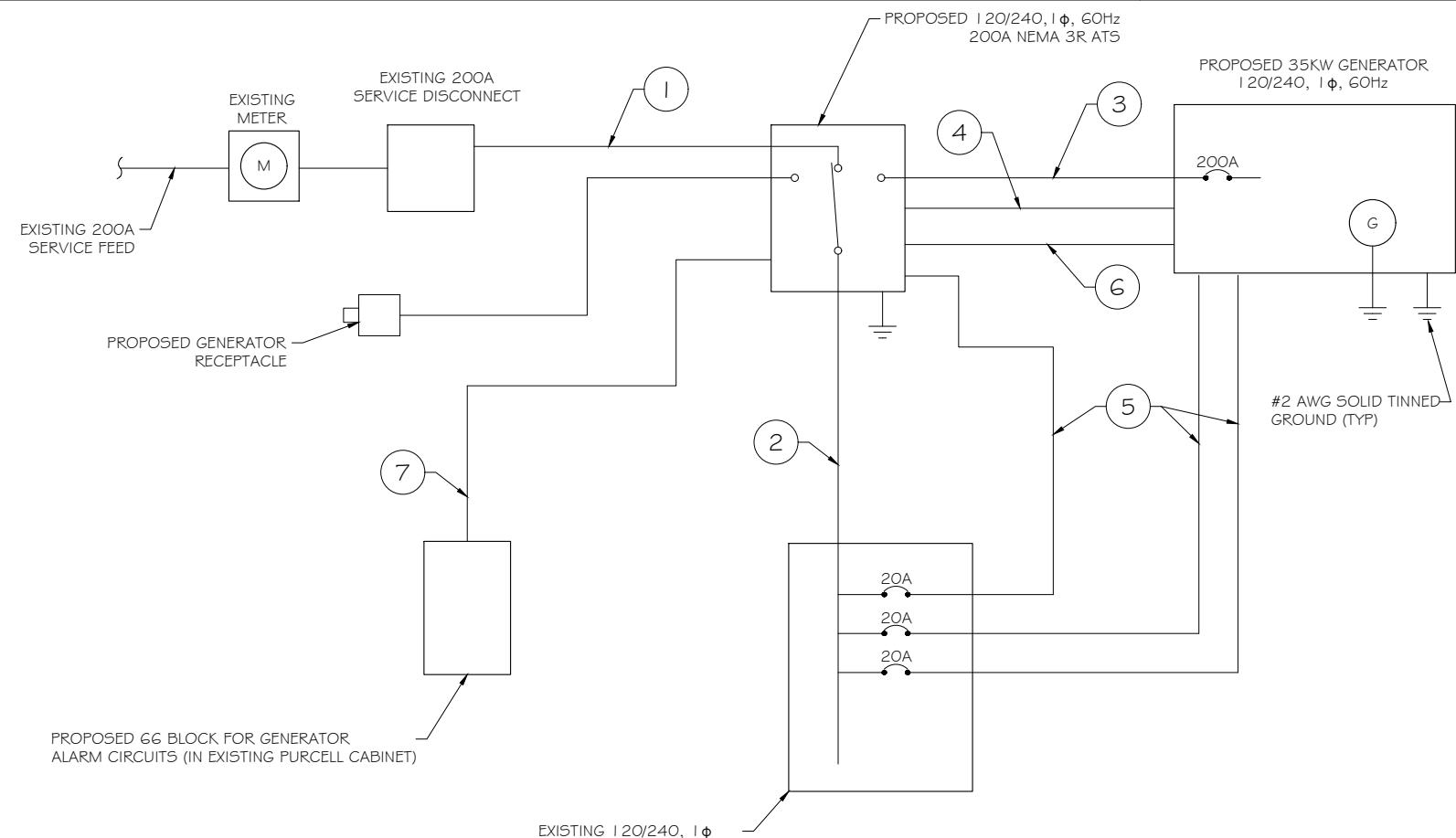
ALARM WIRE IDENTIFICATION CHART

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

\*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART  
SCALE: NTS

2



PROPOSED WIRING DIAGRAM  
SCALE: NTS

3



PREPARED FOR:



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

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MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 05/26/2021

PROJECT TITLE: WINDSOR LOCKS FA ID # 1071333

PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE: WIRING DETAILS

SCALE: NONE

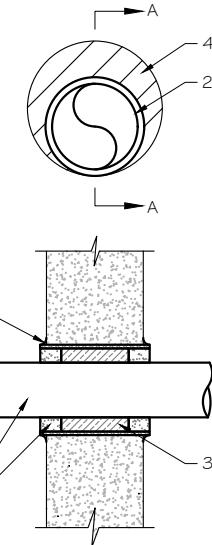
PROJECT NUMBER 51198  
SHEET NUMBER E-1

Breaker Position	Breaker Type	On/Off	Size	Circuit Label	Breaker Position	Breaker Type	On/Off	Size	Circuit Label
1	2P	ON	50	HVAC #1	2	1P	ON	20	TELCO GFI
3					4	1P	ON	15	TELCO GFI
5	2P	ON	30	RECTIFIER #1	6	2P	ON	30	RECTIFIER #2
7					8				
9	2P	ON	30	RECTIFIER #3	10	2P	ON	30	RECTIFIER #4
11					12				
13	2P	OFF	30	RECTIFIER #5	14	2P	OFF	30	RECTIFIER #6
15					16				
17	2P	OFF	30	RECTIFIER #13	18	2P	OFF	30	RECTIFIER #14
19					20				
21	2P	ON	30	RECTIFIER #15	22	2P	OFF	30	RECTIFIER #16
23					24				
25	2P	OFF	30	RECTIFIER #17	26	2P	OFF	30	RECTIFIER #18
27					28				
29	1P	ON	15	CORD REEL	30	1P	ON	15	INT. LIT/ EXIT SIGN
31	1P	ON	20	INT. RECEPTACLES	32	1P	ON	20	INT. RECEPTACLE
33	1P	ON	20	ATS	34				SPACE
35	1P	ON	20	BLOCK HEATER	36				SPACE
37	1P	ON	20	BATTERY CHARGER	38				SPACE
39				SPACE	40	2P	ON	30	AUXILIARY SERVICES
41				SPACE	42				

PROPOSED 20A BREAKERS FOR ATS, BLOCK HEATER AND BATTERY CHARGER ON NEW AT&T GENERATOR

EXISTING PANEL SCHEDULE

SCALE: NTS



U.L. SYSTEM NO. C-AJ-1150  
CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U902  
F RATING = 3 HR  
T RATING = 0 HR

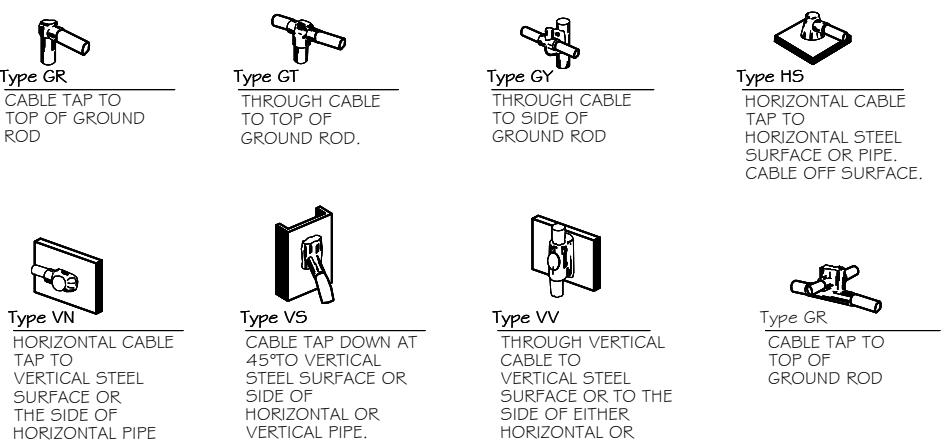
1. FLOOR OR WALL ASSEMBLY : MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAMETER OF OPENING IS 4". SEE CONCRETE BLOCKS 9CATZ) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. 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 0". (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
  - A. STEEL PIPE-NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
  - B. IRON PIPE-NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) STEEL CONDUIT.
3. PACKING MATERIAL: MINIMUM 6" THICKNESS OF MIN 4.0 PCF MINERAL 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.
4. FILL, VOID, 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 RATING APPLIES ONLY WHEN CP6015 OR CP604 SEALANT IS USED.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. : CP6015, CP604, CP606, OR FS-ONE SEALANT.

\* BEARING THE UL CLASSIFICATION MARK

OUTER WALL PENETRATION DETAIL (IF APPLICABLE)

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



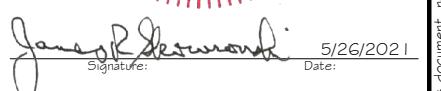
PREPARED FOR:



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

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Signature:   
Date: 5/26/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 05/26/2021  
PROJECT TITLE:

WINDSOR LOCKS  
FA ID # 1071333

PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE:  
PANEL AND PENETRATION  
DETAILS

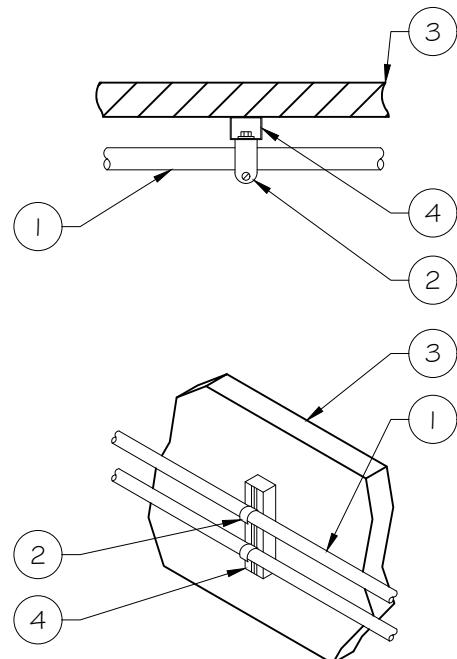
SCALE: NONE

PROJECT NUMBER 51198  
SHEET NUMBER E-2

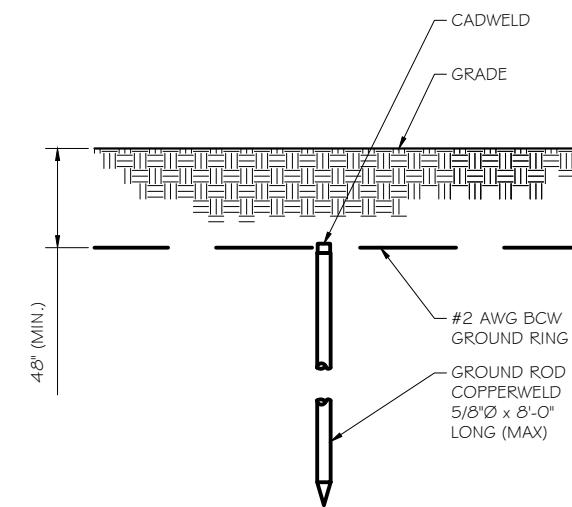
- 1 CONDUIT (TYP)
- 2 BUTTERFLY CLAMP AS REQUIRED
- 3 EXISTING WALL/CEILING
- 4 VERTICAL "UNISTRUT" P1000 'T' SERIES LENGTH BASED ON NUMBER OF CONDUIT TO BE MOUNTED

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



CONDUIT WALL MOUNT  
SCALE: NTS



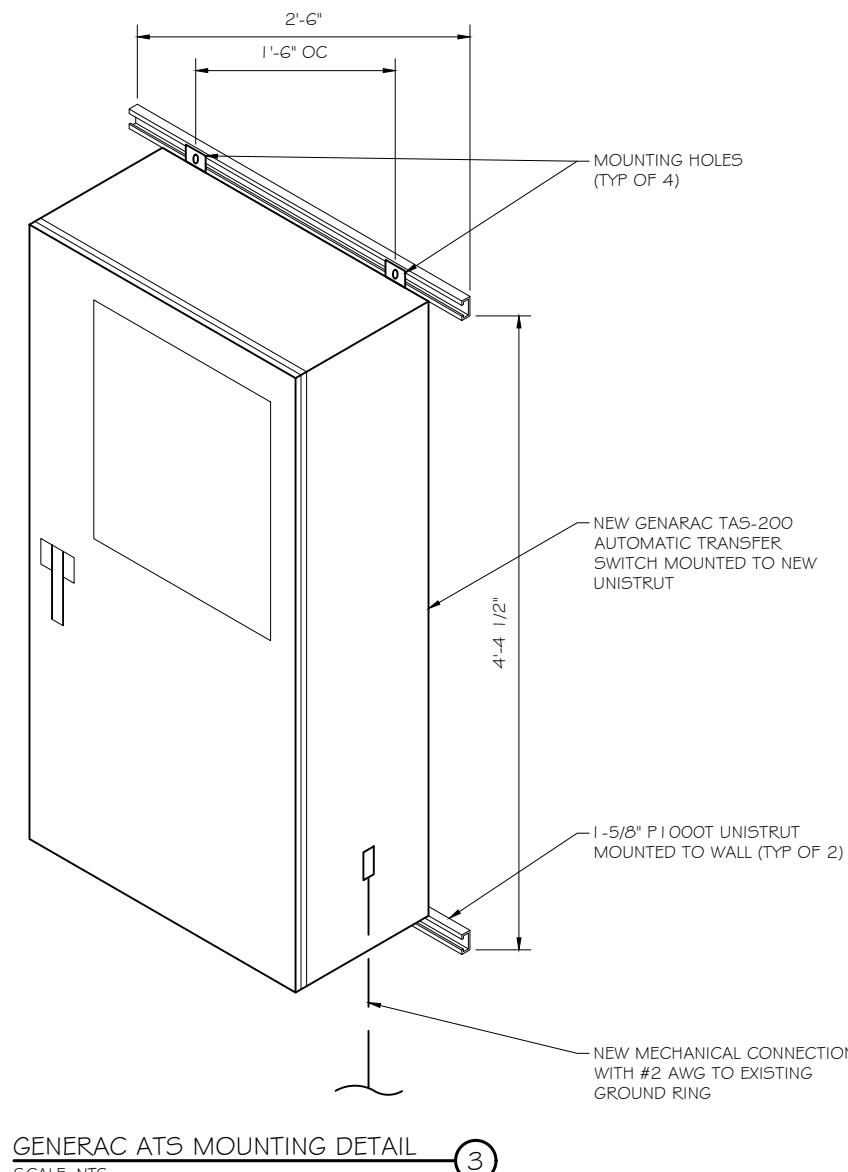
GROUND ROD DETAIL  
SCALE: NTS

NOTE:

1. GROUND RODS MAY BE:
  - COPPER CLAD STEEL
  - SOLID COPPER
2. GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD
3. SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE
4. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL
5. 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/TIA-EIA-222-G)
6. PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR

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:  
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS  
2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



GENERAC ATS MOUNTING DETAIL  
SCALE: NTS



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
661 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 laws of the State of Connecticut.



Signature: *James R. Skowronski* Date: 5/26/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 05/26/2021

PROJECT TITLE: WINDSOR LOCKS FA ID # 1071333

PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE: ATS, CONDUIT & GROUND ROD DETAILS

SCALE: NONE

PROJECT NUMBER 51198  
SHEET NUMBER E-3

**SG035 | 4.5L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET  
EPA Certified Stationary

**Standby Power Rating**  
35 kW, 44 kVA, 60 Hz

**Demand Response Rating**  
35 kW, 44 kVA, 60 Hz

**Prime Power Rating**  
32 kW, 39 kVA, 60 Hz



\*Assembled in the USA using  
domestic and foreign parts

**GENERAC** INDUSTRIAL POWER

**DEMAND RESPONSE READY**

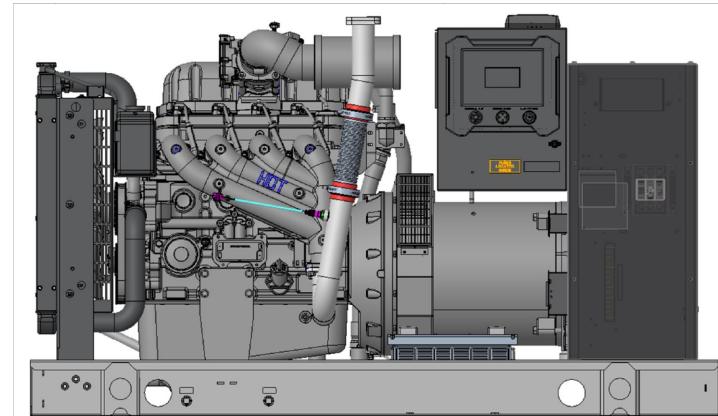


Image used for illustration purposes only

**Codes and Standards**

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489



CSA C22.2



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41



IBC 2009, CBC 2010, IBC 2012,  
ASCE 7-05, ASCE 7-10,  
ICC-ES AC-156 (2012)

**Powering Ahead**

Generac ensures superior quality by designing and manufacturing most of its generator components, such as alternators, enclosures, control systems and communications software. Generac also makes its own spark-ignited engines, and you'll find them on every Generac gaseous-fueled generator. We engineer and manufacture them from the block up — all at our facilities throughout Wisconsin. Applying natural gas and LP-fueled engines to generators requires advanced engineering expertise to ensure reliability, durability and necessary performance. By designing specifically for these dry, hotter-burning fuels, the engines last longer and require less maintenance. Building our own engines also means we control every step of the supply chain and delivery process, so you benefit from single-source responsibility.

Plus, Generac Industrial Power's distribution network provides all parts and service so you don't have to deal with third-party suppliers. It all leads to a positive owner experience and higher confidence level. Generac spark-ignited engines give you more options in commercial and industrial generator applications as well as extended run time from utility-supplied natural gas.

**SG035 | 4.5L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET  
EPA Certified Stationary

**STANDARD FEATURES**

**ENGINE SYSTEM**

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Critical Silencer
- Oil Temperature Sender with Alarm
- Air Filter Restriction Indicator

**Fuel System**

- Fuel Line - NPT Connection
- Primary and Secondary Fuel Shutoff

**Cooling System**

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

**CONTROL SYSTEM**

**Power Zone Pro® Controller**

- NFPA 110 Level 1 Compliant
- Engine Protective Functions
- Alternator Protective Functions
- Digital Engine Governor Control
- Digital Voltage Regulator
- Multiple Programmable Inputs and Outputs
- Remote Display Capability
- Remote Communication via Modbus® RTU, Modbus TCP/IP, and Ethernet 10/100
- Alarm and Event Logging with Real Time Stamping
- Expandable Analog and Digital Inputs and Outputs
- Remote Wireless Software Update Capable
- Wi-Fi, Bluetooth, BMS, and Remote Telemetry
- Built-In Programmable Logic Eliminates the Need for External Controllers Under Most Conditions
- Programmable I/O Channel Properties
- Built-In Diagnostics

**Alarms and Warnings**

- High/Low Oil Pressure
- High/Low Coolant Level
- High/Low Coolant Temperature
- Sender/Sensor Failure
- High/Low Oil Temperature
- Over Total kW
- Over/Under Speed
- Over/Under Voltage
- Over/Under Frequency
- Over Current
- High/Low Battery Voltage
- Battery Charger Current
- Phase to Phase and Phase to Neutral Short Circuits ( $I^2T$  Algorithm)

**4.3 Inch Color Touch Screen Display**

- Resistive Color Touch Screen
- Easily Identifiable Icons
- Multi-Lingual
- On Screen Editable Parameters
- Key Function Monitoring
- Three Phase Voltage, Amperage, kW, kVA, and kVar
- Selectable Line to Line or Line to Neutral Measurements
- Frequency
- Engine Speed
- Engine Coolant Temperature
- Engine Oil Pressure
- Engine Oil Temperature
- Battery Voltage
- Hourmeter
- Warning and Alarm Indication
- Diagnostics
- Maintenance Events/Information

SPEC SHEET

1 of 6

**GENERAC** INDUSTRIAL POWER

**DEMAND RESPONSE READY**

**STANDARD FEATURES**

**Electrical System**

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

**ALTERNATOR SYSTEM**

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Full Load Capacity Alternator

**Fuel System**

- Fuel Line - NPT Connection

**Cooling System**

- Radiator Drain Extension

**GENERATOR SET**

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)

**ENCLOSURE (If Selected)**

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint



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PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
661 MOORE RD STE 110  
KING OF PRUSSIA, PA 19406

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Signature: \_\_\_\_\_ Date: 5/26/2021

MARK DATE DESCRIPTION DATE ISSUED 05/26/2021  
ISSUE PHASE FINAL  
PROJECT TITLE: WINDSOR LOCKS FA ID # 1071333

SPEC SHEET  
2 of 6

PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE: GENERAC 35KW GENERATOR SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER 51198  
SHEET NUMBER E-4

**SG035 | 4.5L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary

**CONFIGURABLE OPTIONS**

**ENGINE SYSTEM**

- Heater with Shutoff Valves
- Fluid Containment Pan
- Engine Coolant Heater
- Oil Heater
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Radiator Duct Adapter (Open Set Only)

**ELECTRICAL SYSTEM**

- 10A UL Listed Battery Charger
- Battery Warmer

**ALTERNATOR SYSTEM**

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating

**CIRCUIT BREAKER OPTIONS**

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- 3rd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

**ENGINEERED OPTIONS**

**CONTROL SYSTEM**

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

**GENERATOR SET**

- Demand Response Rating
- Extended Factory Testing (3-Phase Only)
- 8 Position Load Center

**ENCLOSURE**

- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Enclosure Heaters

**GENERAC® INDUSTRIAL POWER**

**DEMAND RESPONSE READY**

**CONTROL SYSTEM**

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 10A Engine Run Relay
- Ground Fault Indication and Protection Functions
- 120V GFCI and 240V Outlets
- 100 dB Alarm Horn

**WARRANTY (Standby Gensets Only)**

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

**SG035 | 4.5L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

**General**

Make	Generac
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (L)	275.0 (4.5)
Bore - in (mm)	4.5 (114.0)
Stroke - in (mm)	4.25 (107.95)
Compression Ratio	9.94:1
Intake Air Method	Naturally Aspirated
Number of Main Bearings	5
Connecting Rods	Forged Steel, Fractured Split, Bushingless
Cylinder Head	Cast Iron
Cylinder Liners	Cast Iron
Ignition	Coil Near Plug Solid State Inductive
Piston Type	Cast Aluminum Flat Top
Crankshaft Type	Forged Steel
Lifter Type	Hydraulic
Intake Valve Material	Stainless Steel
Exhaust Valve Material	Stainless Steel
Hardened Valve Seats	High Steel Iron Alloy

**Lubrication System**

Oil Pump Type	Gear Driving
Oil Filter Type	Full-Flow Spin-On Cartridge
Crankcase Capacity - qt (L)	21 (20)
Cooling System	

**Cooling System**

Cooling System Type	Pressurized Closed
Fan Type	Pusher
Fan Speed - RPM	2,100
Fan Diameter - in (mm)	20 (508)

**Fuel System**

Fuel Type	Natural Gas, Propane
Fuel Injection	Electronic
Fuel Shut Off	Generac
NG Operating Fuel Pressure - in H <sub>2</sub> O (kPa)	5 - 14 (1.2 - 3.5)
LP Operating Fuel Pressure - in H <sub>2</sub> O (kPa)	7 - 14 (1.7 - 3.5)

**Engine Electrical System**

System Voltage	12 VDC
Battery Charger Alternator	35 A
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

**Engine Governing**

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

**ALTERNATOR SPECIFICATIONS**

Standard Model	K0035124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase)
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	Sealed Ball
Coupling	Direct via Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

**GENERAC® INDUSTRIAL POWER**

**DEMAND RESPONSE READY**



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**SG035 | 5.4L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET  
EPA Certified Stationary Emergency



**OPERATING DATA**

**POWER RATINGS - NATURAL GAS/PROPANE VAPOR**

Standby						
Single-Phase 120/240 VAC @1.0pf	35 kW/35 kVA	Amps: 146				
Three-Phase 120/208 VAC @0.8pf	35 kW/44 kVA	Amps: 121				
Three-Phase 120/240 VAC @0.8pf	35 kW/44 kVA	Amps: 105				
Three-Phase 277/480 VAC @0.8pf	35 kW/44 kVA	Amps: 53				
Three-Phase 346/600 VAC @0.8pf	35 kW/44 kVA	Amps: 42				

**STARTING CAPABILITIES (sKVA)**

sKVA vs. Voltage Dip						
277/480 VAC				208/240 VAC		
Alternator	kW	10%	15%	20%	25%	30%
Standard	35	24	36	48	60	72
Upsize 1	40	27	41	54	68	81
Upsize 2	50	34	52	69	86	103
Upsize 3	60	42	63	83	104	125
					146	120
					Upsize 3	60
						32
						47
						62
						78
						94
						110

**FUEL CONSUMPTION RATES\***

Natural Gas - ft³/hr (m³/hr)		Propane Vapor - ft³/hr (m³/hr)	
Percent Load	Standby	Percent Load	Standby
25%	239 (6.8)	25%	79.7 (2.3)
50%	409 (11.6)	50%	136.6 (3.9)
75%	553 (15.7)	75%	184.4 (5.2)
100%	682 (19.3)	100%	227.7 (6.4)

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

**COOLING**

Standby		
Air Flow (Inlet Air Combustion and Radiator)	ft³/min (m³/min)	2,460 (69.7)
Coolant Flow	gpm (lpm)	38 (144)
Coolant System Capacity	gal (L)	3 (11.36)
Heat Rejection to Coolant	BTU/hr (kW)	144,000 (42.2)
Max. Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199270SSD	
Maximum Radiator Backpressure	in H₂O (kPa)	0.5 (0.12)

**COMBUSTION AIR REQUIREMENTS**

Standby	
Flow at Rated Power cfm (m³/min)	87 (2.5)

**ENGINE**

Standby	
Rated Engine Speed	rpm
1,800	
Horsepower at Rated kW**	hp
54	
Piston Speed	ft/min (m/min)
1,251 (381.3)	
BMEP	psi (kPa)
72 (496)	

\*\* 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 contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SSB  
Prime - See Bulletin 0187510SSB

**GENERAL 35KW GENERATOR SPECIFICATIONS**

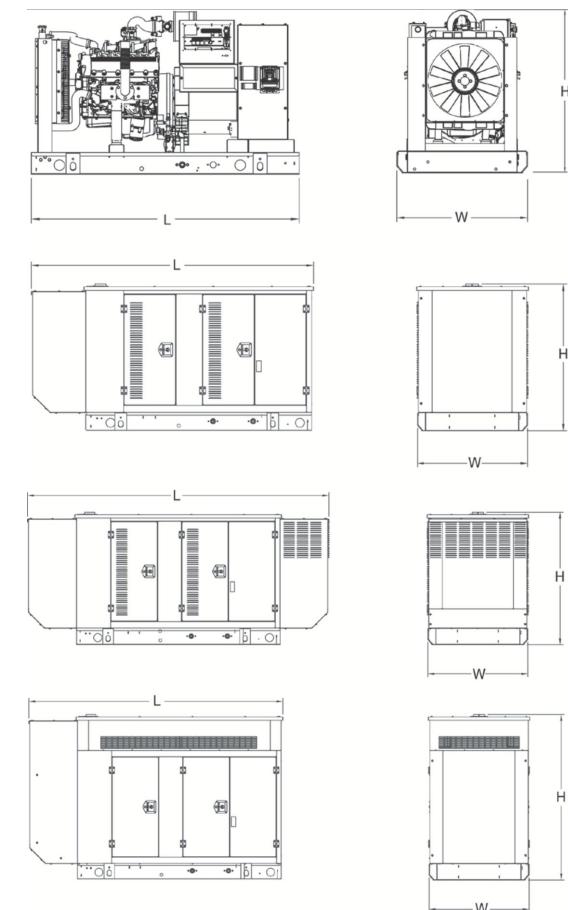
SCALE: NTS

5 of 6

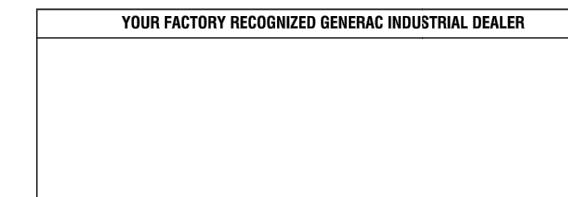
**SG035 | 5.4L | 35 kW**  
INDUSTRIAL SPARK-IGNITED GENERATOR SET  
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**DIMENSIONS AND WEIGHTS\***



\* All measurements are approximate and for estimation purposes only.



Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

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Part No. 0K4265  
Rev. D 11/09/17



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PREPARED FOR:



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PROJECT TITLE: WINDSOR LOCKS FA ID # 1071333

PROJECT INFORMATION: 2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE: GENERAC 35KW GENERATOR SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER 51198  
SHEET NUMBER E-4.2

## TTS Series Switches

200 Amps  
600 VAC

**GENERAC** INDUSTRIAL POWER

**TAS200**  
200A Automatic Transfer Switch

**TAS200**  
**TAS200**

1 of 3 2 of 3

### The Generac TAS200 Automatic Transfer Switch

Flexibility for multiple application installations

Multiple generator support with 3 source panel

Designed with a 6 inch touch screen controller for improved user interface

Camlock functionality for mobile generator sources



Image used for illustration purposes only.

### Features

- STEEL CONSTRUCTION
- NEMA 3R ENCLOSURE WITH HINGED "PADLOCKING" DOORS
- STAINLESS STEEL HARDWARE
- CAMLOCK "QUICK CONNECT" CAPABILITY
- OPERATIONAL STATUS VIEW VIA 6 INCH TOUCH SCREEN
- TEST FUNCTION - FAST TEST & NORMAL TEST
- UL1008 LISTED - FOR EMERGENCY SYSTEMS

### Codes and Standards

Generac products are designed to the following standards:



UL1008,  
UL508,  
UL50,  
CSA C22.2 No. 178



NEC 700, 701 and 702



NEMA 250

### Optional Features

- EXTENDED WARRANTY
- THREE-PHASE VOLTAGE CONFIGURATIONS

### Application and Engineering Data

Cabinet Specifications	
Dimensions	24"W x 12"D x 48"H
Weight	210 lbs.
Construction	Single Chamber with Main Door Steel UL Type / NEMA 3R Rated Powder Coat Finish for Corrosion Resistance C-UL-US Listed - Automatic Transfer Switch Stainless Steel Hardware 3-Point Latching System with Pad-Lockable Handles
Mounting Options	Wall H-frame
Installed	Pre-wired alarm terminal strip

Electrical Specifications	
Voltage/Phase/Amps	120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A
Breaker	Eaton 200 amp Utility Breaker Eaton 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350MCM - #6 AWG
Output to Site	350MCM - #6 AWG
Generator Announcer Connector	Deutsch DTM04-12PA-L012
Alarm Terminal Board	Generator Run Alarm
	Generator Fail - Shutdown Alarm
	Generator Fail - Non Shutdown Alarm
	Low Fuel Alarm
	Generator Theft Alarm
	AC Utility Fail Alarm

Camlock Component	
Camlock Component	Shipped loose for multiple installation options
Dimensions	9" W x 9.4" D x 24.25" H
200A Camlock Generator Connection	Single-Phase: Black L1, Red L2, White-Neutral, Green-Ground 3-Phase: Black L1, Red L2, Blue L3, White-Neutral, Green-Ground Uses 4 CH E1016 Male Connectors Mating Connector - CH E1016 Female



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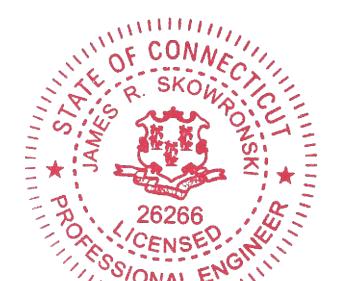
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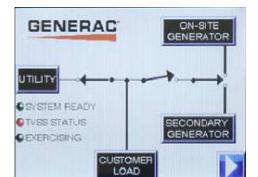
Signature: *James R. Skowronski* Date: 5/26/2021

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PROJECT TITLE: WINDSOR LOCKS FA ID # 1071333

PROJECT INFORMATION: 2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096  
SHEET TITLE: GENERAC ATS SPECIFICATIONS

SCALE: NONE  
PROJECT NUMBER 51198  
SHEET NUMBER E-5

### Touch Screen Interface



TAS200

3 of 3

### INDICATORS AND BUTTONS

<ul style="list-style-type: none"><li>System Ready indicator</li><li>Standby Operating indicator</li><li>Utility Available indicator</li><li>GEN/UTIL Switch Position indicator</li><li>TVSS status</li></ul>	<ul style="list-style-type: none"><li>Normal Test button</li><li>Fast Test button</li><li>Return to Normal button</li><li>Reset button</li><li>Exercising indicator</li></ul>
---	---

### DETAILS SCREEN

<b>System Settings:</b> <ul style="list-style-type: none"><li>System Voltage/Phases:<ul style="list-style-type: none"><li>120/240V single phase (standard)</li><li>120/208V three phase (optional)</li><li>120/240V three phase (optional)</li></ul></li><li>Utility Fail Monitor:<ul style="list-style-type: none"><li>Under Voltage: 75-95% of nominal voltage</li><li>Over Voltage: 105%-125% of nominal voltage</li><li>Pickup (hysteresis): fixed at 5 volts</li><li>Delay time: 0-60s</li></ul></li><li>Utility Interrupt Delay: 0-60s</li><li>Return to Utility Timer: 1-30 minutes</li><li>Transfer:<ul style="list-style-type: none"><li>In-phase, or</li><li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li></ul></li></ul>	<b>Exercise Settings:</b> <ul style="list-style-type: none"><li>Time of day</li><li>Day of week</li><li>Exercise:<ul style="list-style-type: none"><li>Exercise with/without load</li><li>Exercise once every 1, 2, or 4 weeks</li><li>Exercise time-of-day</li><li>Exercise day of week</li><li>Exercise duration: 15-30 minutes</li></ul></li></ul>
<b>Engine Settings:</b> <ul style="list-style-type: none"><li>Engine Warm-up timer: 0-20 minutes</li><li>Generator Load Accept:<ul style="list-style-type: none"><li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li><li>Voltage: 85-95% of nominal</li><li>Frequency: 85-95% of nominal</li></ul></li><li>Engine Minimum Run Timer: 5-30 minutes</li><li>Engine Cooldown Timer: 0-20 minutes</li></ul>	<b>Screen Settings:</b> <ul style="list-style-type: none"><li>Brightness &amp; Contrast button</li><li>Screen Calibration button</li><li>Startup/Clean screen</li></ul> <b>Diagnostics:</b> <ul style="list-style-type: none"><li>Digital I/O bits status</li><li>Voltage A/D readings</li></ul> <b>Mimic Diagram:</b> <ul style="list-style-type: none"><li>System Ready</li><li>Transfer switch position</li><li>Utility available</li><li>Standby available</li><li>Maintenance/Auto switch position</li><li>Generator source TS position</li><li>TVSS status</li></ul>

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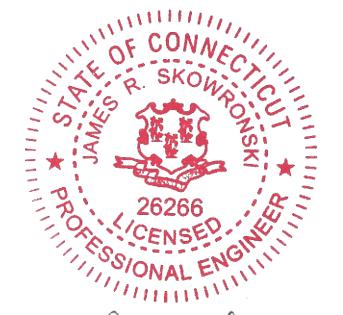
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WINDSOR LOCKS  
FA ID # 1071333

PROJECT INFORMATION:  
2 VOLUNTEER DRIVE  
WINDSOR LOCKS, CT 06096

SHEET TITLE:  
GENERAC ATS SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER 51198  
SHEET NUMBER E-5.1

## 4 VOLUNTEER DRIVE

**Location** 4 VOLUNTEER DRIVE

**Mblu** 34/ 62/ 80/ 4/

**UID** 00023300

**Owner** WINDSOR LOCKS TOWN OF

**Assessment** \$1,292,200

**Appraisal** \$1,845,800

**PID** 1943

**Building Count** 1

### Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$1,328,100	\$517,700	\$1,845,800
Assessment			
Valuation Year	Improvements	Land	Total
2013	\$929,800	\$362,400	\$1,292,200

### Owner of Record

**Owner** WINDSOR LOCKS TOWN OF

**Sale Price** \$0

**Co-Owner**

**Certificate**

**Address** 50 CHURCH ST  
WINDSOR LOCKS, CT 06096

**Book & Page** 113/299

**Sale Date** 11/16/1972

### Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
WINDSOR LOCKS TOWN OF	\$0		113/299	11/16/1972

### Building Information

#### Building 1 : Section 1

**Year Built:** 1975

#### Building Photo

**Living Area:** 16,268



**Replacement Cost:** \$1,619,556

(<http://images.vgsi.com/photos/WindsorlocksCTPhotos/100003213.jpg>)

**Building Percent Good:** 75

**Replacement Cost**

**Less Depreciation:** \$1,214,700

**Building Attributes**

Field	Description
STYLE	Other Municip
MODEL	Ind/Comm
Stories:	1
Occupancy	
Exterior Wall A	Brick
Exterior Wall B	
Roof Structure	Flat
Roof Cover	Tar & Gravel
Interior Wall A	Drywall/Sheet
Interior Wall B	Minim/Masonry
Interior Floor A	Ceram Clay Til
Interior Floor B	Carpet
Heating Fuel	Oil
Heating Type	Forced Air-Duc
AC Type	Central
Bldg Use	Municipal
Total Rooms	
Total Bedrooms	00
Total Baths	0
Fireplace Types	
Fireplaces	
Heat/AC	Heat/AC Pkg
Frame Type	Masonry
Baths/Plumbing	Average
Ceiling/Wall	Ceil and Walls
Rooms/Prtns	Average
Wall Height	11.00
% Comm Wall	0.00

## Building Layout

### Building Layout

([http://images.vgsi.com/photos/WindsorlocksCTPhotos//Sketches/1943\\_19](http://images.vgsi.com/photos/WindsorlocksCTPhotos//Sketches/1943_19))

Building Sub-Areas (sq ft)		Legend	
Code	Description	Gross Area	Living Area
BAS	First Floor	5,418	5,418
FUS	Upper Sty	5,418	5,418
FBM	Fin Bsmt	3,056	3,056
AOF	Office	1,944	1,944
FST	Utility	432	432
FGR	Fin Garage	4,860	0
		21,128	16,268

## Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
SPRK	Sprinklers	15836.00 S.F.	\$9,500	1

## Parcel Information

Use Code 901I  
 Description Municipal  
 Deeded Acres 11.20

**Land****Land Use**

**Use Code** 901I  
**Description** Municipal  
**Zone** RESA  
**Neighborhood**  
**Alt Land Appr** No  
**Category**

**Land Line Valuation**

**Size (Acres)** 11.20  
**Frontage** 947  
**Depth** 0  
**Assessed Value** \$362,400  
**Appraised Value** \$517,700

**Outbuildings**

<b>Outbuildings</b>						<b>Legend</b>
<b>Code</b>	<b>Description</b>	<b>Sub Code</b>	<b>Sub Description</b>	<b>Size</b>	<b>Value</b>	<b>Bldg #</b>
GAR1	Garage	G	Good	2592.00 S.F.	\$50,500	1
PAV	Paving	A	Asphalt	46600.00 S.F.	\$38,400	1
GAR1	Garage	A	Average	800.00 S.F.	\$15,000	1

**Valuation History**

<b>Appraisal</b>			
<b>Valuation Year</b>	<b>Improvements</b>	<b>Land</b>	<b>Total</b>
2013	\$1,324,100	\$517,700	\$1,841,800
2012	\$1,324,100	\$337,500	\$1,661,600
2007	\$1,585,800	\$294,000	\$1,879,800

<b>Assessment</b>			
<b>Valuation Year</b>	<b>Improvements</b>	<b>Land</b>	<b>Total</b>
2013	\$927,000	\$362,400	\$1,289,400
2012	\$927,000	\$236,300	\$1,163,300
2007	\$1,110,200	\$205,900	\$1,316,100

## 2-4 Volunteer Drive



## Property Information

Property ID 23300  
Location 2 VOLUNTEER DRIVE  
Owner WINDSOR LOCKS TOWN OF

**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Windsor Locks, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 1/10/2020  
Data updated 1/10/2020

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.

# ATTACHMENT 2

CERTIFICATION

I hereby certify that on the 8th day of June, 2021, one original and two (2) copies of AT&T's Exempt Modification Request was sent to the Connecticut Siting Council electronically and via overnight mail and a copy of same was sent via first class mail by Certificate of Mailing to:

J. Christopher Kervick, First Selectman  
Town of Windsor Locks  
50 Church Street  
Windsor Locks, CT 06096

Jennifer V. Rodriguez, AICP  
Town of Windsor Locks  
50 Church Street  
Windsor Locks, CT 06096

MCM acquisitions 2017, LLC  
8501 Congress Avenue  
2nd Floor  
Boca Raton, FL 33487-1307

Town of Windsor Locks  
50 Church Street  
Windsor Locks, CT

Dated: June 8, 2021



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Daniel Patrick  
Cuddy & Feder LLP  
445 Hamilton Ave, 14<sup>th</sup> Floor  
White Plains, NY 10601  
(914) 761-1300  
Attorneys for the Applicant