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Daniel Patrick
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1/13/21

VIA OVERNIGHT 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
33 Neptune Ave, Moodus (East Haddam), CT 06469
Lat.: 41.49829° Long.: -72.46047°

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 33 Neptune Avenue in the Town of East Haddam, Connecticut. AT&T is the owner of the facility, which includes the existing tower and fenced equipment compound, located on land leased from the underlying property owner, Baron Smith American Legion 15. 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 C.G.S. Section 16-50k.

AT&T intends to install one (1) new Generac 30KW Diesel Generator within a 14'5" x 10'4" expansion of the fenced grade-level equipment compound as demonstrated on the plans enclosed as Attached 1. The proposed expansion is located within AT&T's lease area and as such, it meets the definition of "site" provided in the Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-2a(22).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.

¹ RCSEA Section 16j-50j-2a(22) defines “site” as “a contiguous parcel of property with specified boundaries, including, but not limited to, the leased area, right-of-way, access and easements, on which a facility and associated equipment are located, shall be located, or are proposed to be located.”



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Page 2

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 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 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 as noted above;
- 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 facility was originally approved by the Siting Council on November 20, 2003 in Docket No. 637 as indicated in the staff report enclosed as Attachment 2. This modification complies with the conditions of the aforementioned approvals.

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



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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. AT&T also notes that there will be no changes to the frequencies or services supported by this facility.

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 Town of East Haddam First Selectman Robert R. Smith and the Town Land Use Department as well as by first class mail to Baron Smith American Legion 15 as the owner of the underlying property. Certificates of mailing is enclosed as Attachment 3.

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, appearing to read 'DP', is written over the typed name 'Daniel Patrick'.

Daniel Patrick

Attachments

cc: First Selectman Robert R. Smith, Town of East Haddam (via email)
James F. Ventres, Land Use Administrator, Town of East Haddam (via email)
Baron Smith American Legion 15, Property Owner (via first-class mail)
AT&T
General Dynamics Information Technology
Lucia Chiochio, Esq. & Julie Durkin, Cuddy & Feder, LLP

ATTACHMENT 1



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

DATE: 1/12/2020
DATE: 1/12/2020

MARK	DATE	DESCRIPTION
SIZE	FINAL	DATE: 1/12/2020
PROJECT TITLE		

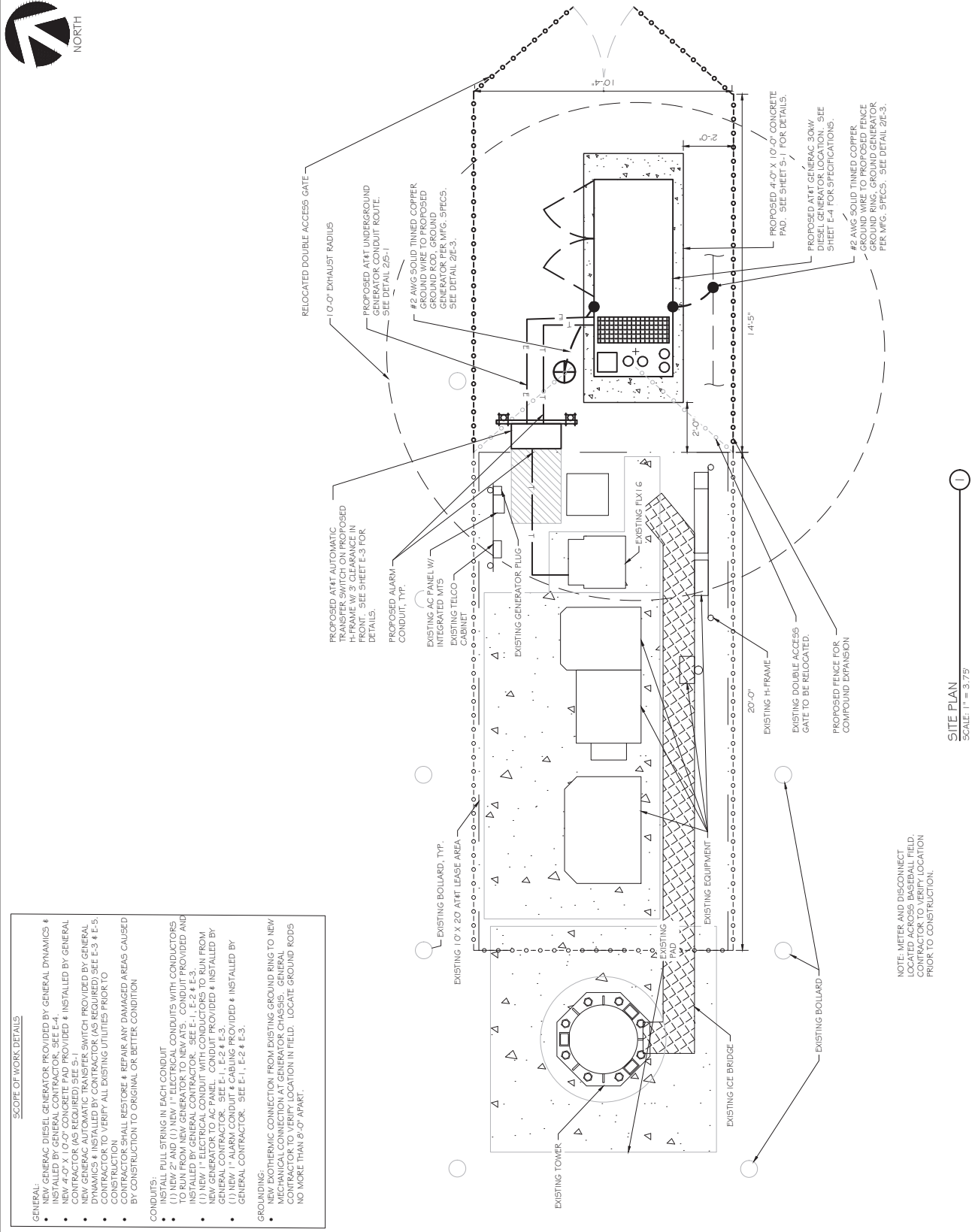
EAST HADDAM NORTH
FA ID # 1007114

PROJECT ADDRESS:
 33 NEPTUNE AVENUE
 MOODLUS, CT 06469

SHEET TITLE:
 SITE PLAN

SCALE: 1" = 3.75'

NUMBER: 48249
NUMBER: A-1



SCOPE OF WORK DETAILS

GENERAL:

- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR. SEE SHEET E-4.
- NEW CONCRETE PAD PROVIDED & INSTALLED BY GENERAL CONTRACTOR (AS REQUIRED) SEE S-1.
- NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR (AS REQUIRED) SEE E-3 & E-5.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.

CONDUITS:

- RUN ALL STRINGS IN EACH CONDUIT.
- INSTALL (1) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- INSTALL (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO RUN FROM GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- INSTALL (1) NEW 1" ALARM CONDUIT & CABLEING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.

GROUNDING:

- VERIFY THERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART.

NOTE: METER AND DISCONNECT LOCATED ACROSS BASEBALL FIELD. CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION.

SITE PLAN
 SCALE: 1" = 3.75'



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GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
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KING OF PRUSSIA, PA 19406

CONTRACTOR'S SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my supervision and to the best of my knowledge and belief it conforms to the requirements of the State of Connecticut Professional Engineer Act.



James P. Skowronski
Professional Engineer
1/12/24/2020
DATE:

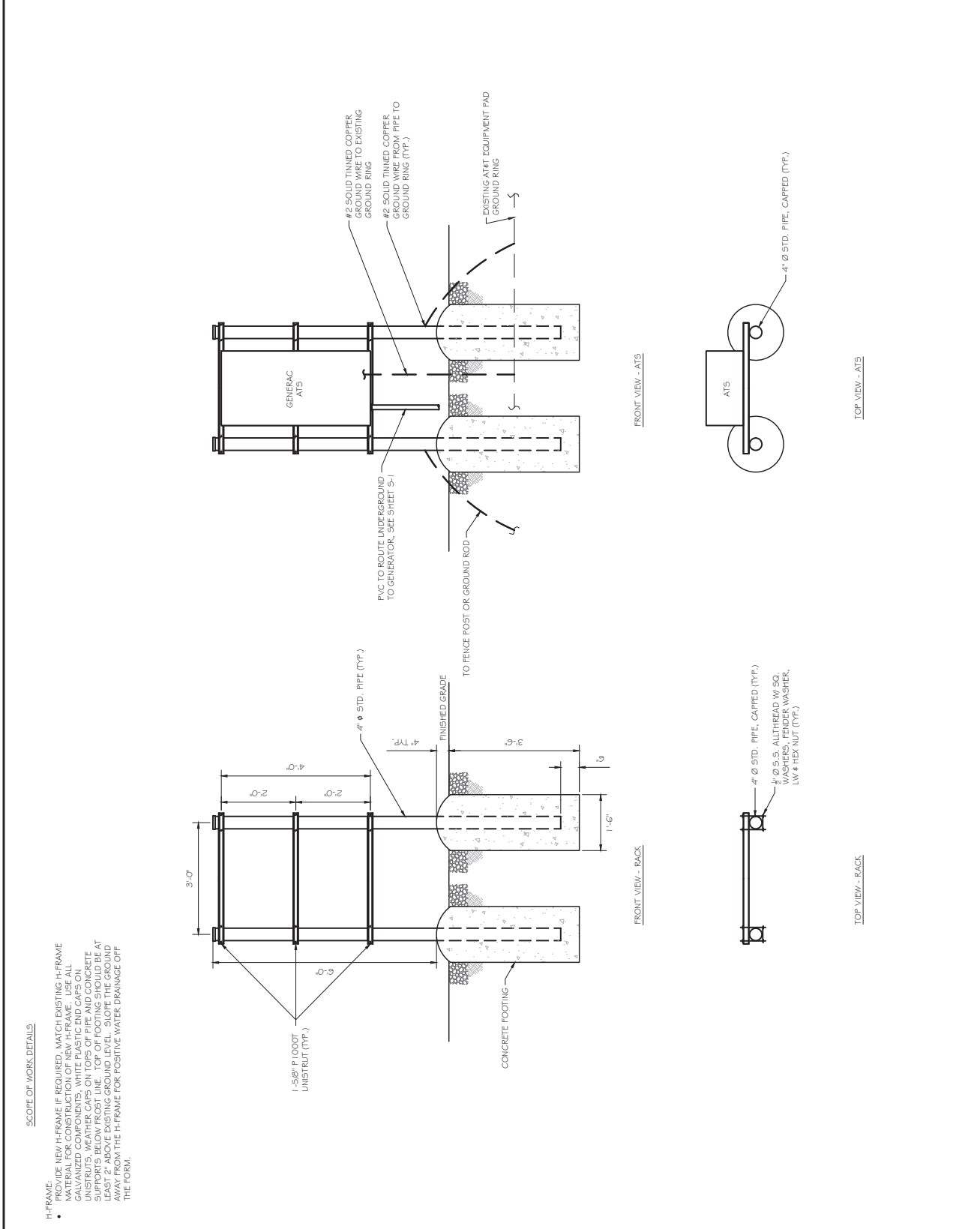
MARK	DATE	DESCRIPTION
SCALE	FINAL	DATE 1/12/24/2020
PROJECT TITLE	EAST HADDAM NORTH FA ID # 10071141	

PROJECT ADDRESS:
33 NEPTUNE AVENUE
WOODLUS, CT 06469

SHEET TITLE:
H-FRAME DETAILS

SCALE: NONE


PROJECT NUMBER: 48249
SHEET NUMBER: 5-2





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PREPARED FOR:



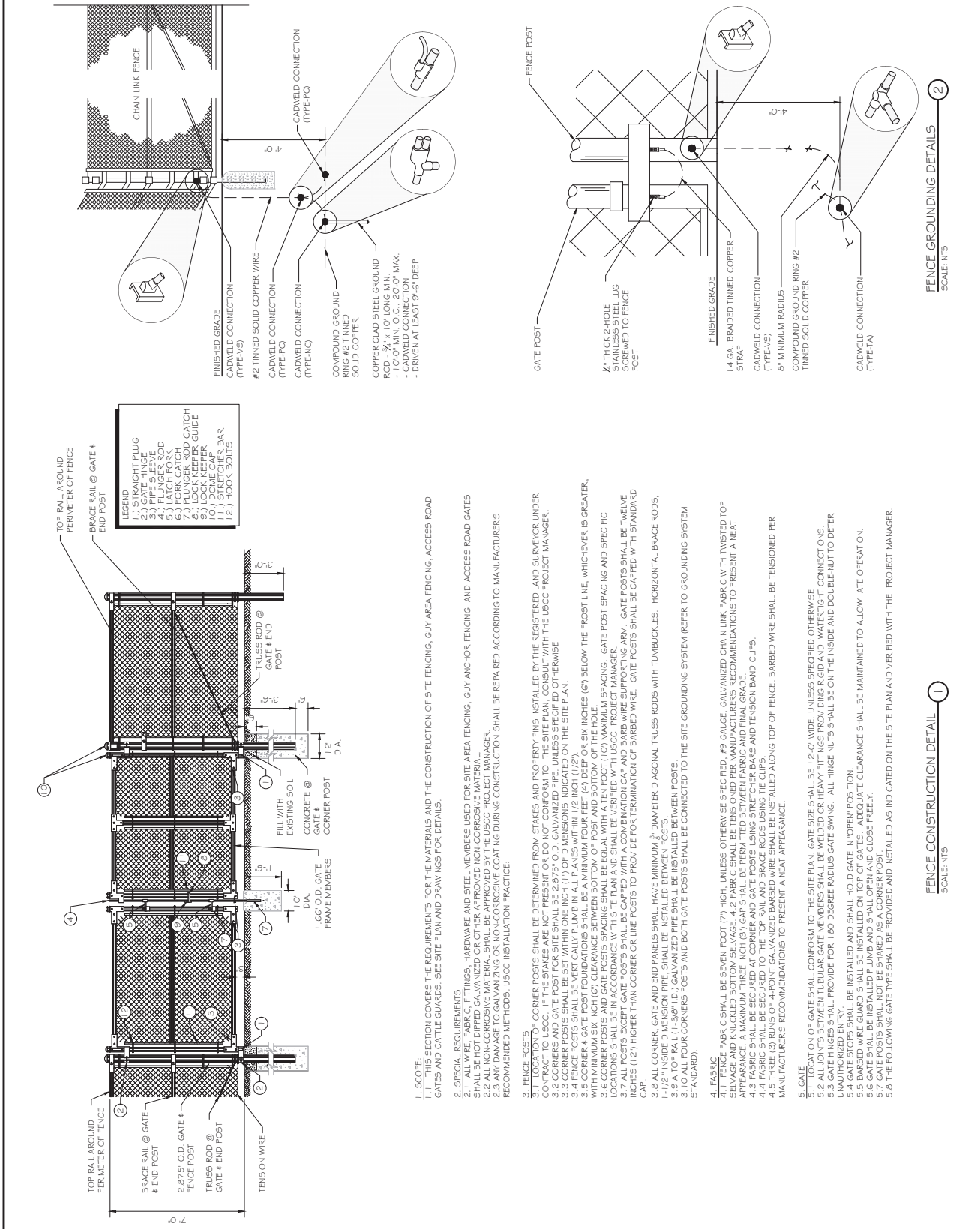
CONSULTANT:
GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
861 MOORE RD STE 110
KING OF PRUSSIA, PA 19406

OVERLAP & SIGN
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 in the State of Connecticut.



DATE: 1/24/2020

MARK	DATE	DESCRIPTION
SIZE	FINAL	DATE: 1/24/2020
PROJECT TITLE		
EAST HADDAM NORTH		
FA ID # 10071141		
PROJECT INFORMATION:		
33 NEPTUNE AVENUE WOODLUS, CT 06469		
SHEET TITLE:		
FENCE DETAILS		
SCALE:		NONE
PROJECT NUMBER:		48249
SHEET NUMBER:		5-3



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 CH:\Users\jbeaty\MyPPTData\Local\Temp\A6P\071141_EAST HADDAM NORTH GENERATOR_ATT_CDs.dwg Printed by: jbeaty on Nov 24, 2020 - 1:10pm
 DRAIN BY: TRB
 CHECKED BY: MR

1. SITE PLAN COVERS THE REQUIREMENTS FOR THE MATERIALS AND THE CONSTRUCTION OF SITE FENCING, GUY AREA FENCING, ACCESS ROAD GATES AND CATTLE GUARDS. SEE SITE PLAN AND DRAWINGS FOR DETAILS.

2. SPECIAL REQUIREMENTS: HARDWARE AND STEEL MEMBERS USED FOR SITE AREA FENCING, GUY ANCHOR FENCING AND ACCESS ROAD GATES SHALL BE HOT DIPPT GALVANIZED OR OTHER APPROVED NON-CORROSIVE MATERIAL.

2.2 ALL NON-CORROSIVE MATERIAL SHALL BE APPROVED BY THE USCC PROJECT MANAGER.

2.3 ANY DAMAGE TO GALVANIZING OR NON-CORROSIVE COATING DURING CONSTRUCTION SHALL BE REPAIRED ACCORDING TO MANUFACTURERS RECOMMENDED METHODS. USCC INSTALLATION PRACTICE.

3. FENCE POSTS

3.1 LOCATION OF CORNER POSTS SHALL BE DETERMINED FROM STAKES AND PROPERTY PINS INSTALLED BY THE REGISTERED LAND SURVEYOR UNDER CONTRACT TO USCC. IF THE STAKES ARE NOT PRESENT OR DO NOT CONFORM TO THE SITE PLAN, CONSULT WITH THE USCC PROJECT MANAGER.

3.2 CORNERS AND GATE POST FOR SITE SHALL BE 2.675" O.D. GALVANIZED PIPE, UNLESS SPECIFIED OTHERWISE.

3.3 CORNER POSTS SHALL BE SET WITHIN ONE INCH (1") OF DIMENSIONS INDICATED ON THE SITE PLAN.

3.4 CORNER AND GATE POST FOUNDATIONS SHALL BE A MINIMUM FOUR FEET (4') DEEP OR SIX INCHES (6") BELOW THE FROST LINE, WHICHEVER IS GREATER, WITH MINIMUM SIX INCH (6") CLEARANCE BETWEEN BOTTOM OF POST AND BOTTOM OF THE HOLE.

3.5 CORNER POSTS AND GATE POSTS SPACING SHALL BE EQUAL WITH A TEN FOOT (10') MAXIMUM SPACING. GATE POST SPACING AND SPECIFIC LOCATIONS SHALL BE IN ACCORDANCE WITH SITE PLAN AND SHALL BE VERIFIED WITH USCC PROJECT MANAGER.

3.6 GATE POSTS SHALL BE TWELVE INCHES (12") HIGHER THAN CORNER OR LINE POSTS TO PROVIDE FOR TERMINATION OF BARBED WIRE. GATE POSTS SHALL BE CAPPED WITH STANDARD CAP.

3.8 ALL CORNER, GATE AND END PANELS SHALL HAVE MINIMUM 3/8" DIAMETER DIAGONAL TRUSS RODS WITH TUMBUCKLES. HORIZONTAL BRACE RODS, 1-1/2" INSIDE DIMENSION PIPE, SHALL BE INSTALLED BETWEEN POSTS.

3.9 A TOP RAIL (1-3/8" I.D.) GALVANIZED PIPE SHALL BE INSTALLED BETWEEN POSTS.

3.10 ALL FOUR CORNERS POSTS AND BOTH GATE POSTS SHALL BE CONNECTED TO THE SITE GROUNDING SYSTEM (REFER TO GROUNDING SYSTEM STANDARD).

4. FABRIC

4.1 FENCE FABRIC SHALL BE SEVEN FOOT (7') HIGH, UNLESS OTHERWISE SPECIFIED, #9 GAUGE, GALVANIZED CHAIN LINK FABRIC WITH TWISTED TOP SELVAGE AND UNBUCKLED BOTTOM SELVAGE. 4.2 FABRIC SHALL BE TENSIONED PER MANUFACTURERS RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE.

4.3 FABRIC SHALL BE SECURED AT CORNER AND GATE POSTS USING STRETCHER BARS AND TENSION BAND CLIPS.

4.4 FABRIC SHALL BE SECURED TO THE TOP RAIL AND BRACE RODS USING THE CLIPS.

4.5 THREE (3) RUNS OF 4-POINT GALVANIZED BARBED WIRE SHALL BE INSTALLED ALONG TOP OF FENCE. BARBED WIRE SHALL BE TENSIONED PER MANUFACTURERS RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE.

5. GATE

5.1 LOCATION OF GATE SHALL CONFORM TO THE SITE PLAN. GATE SIZE SHALL BE 12'-0" WIDE, UNLESS SPECIFIED OTHERWISE.

5.2 ALL JOINTS BETWEEN TUBULAR GATE MEMBERS SHALL BE WELDED OR HEAVY FITTINGS PROVIDING RIGID AND WATERTIGHT CONNECTIONS.

5.3 GATE HINGES SHALL PROVIDE FOR 160 DEGREE RADIUS GATE SWING. ALL HINGE NUTS SHALL BE ON THE INSIDE AND DOUBLE-NUT TO DETER UNAUTHORIZED ENTRY.

5.4 GATE SHALL BE INSTALLED AND SHALL HOLD GATE IN OPEN POSITION.

5.5 BARBED WIRE GUARD SHALL BE INSTALLED ON TOP OF GATES. ADEQUATE CLEARANCE SHALL BE MAINTAINED TO ALLOW GATE OPERATION.

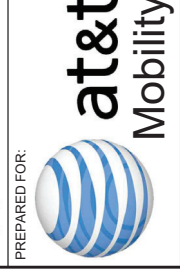
5.6 GATE SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.

5.7 GATE POSTS SHALL NOT BE SHARED AS A CORNER POST.

5.8 THE FOLLOWING GATE TYPE SHALL BE PROVIDED AND INSTALLED AS INDICATED ON THE SITE PLAN AND VERIFIED WITH THE PROJECT MANAGER.

FENCE GROUNDING DETAILS
SCALE: NTS

FENCE CONSTRUCTION DETAIL
SCALE: NTS



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

DATE: 1/24/2020
DESIGNER: James R. Skowronski
PROFESSIONAL ENGINEER
 STATE OF CONNECTICUT
 26286
 JAMES R. SKOWRONSKI

PROJECT: EAST HADDAM NORTH
FA ID # 10071141
PROJECT ADDRESS:
 33 NEPTUNE AVENUE
 MOODUS, CT 06469

SCALE: NONE
WIRING DETAILS

PROJECT NUMBER: 48249
SHEET NUMBER: E-1

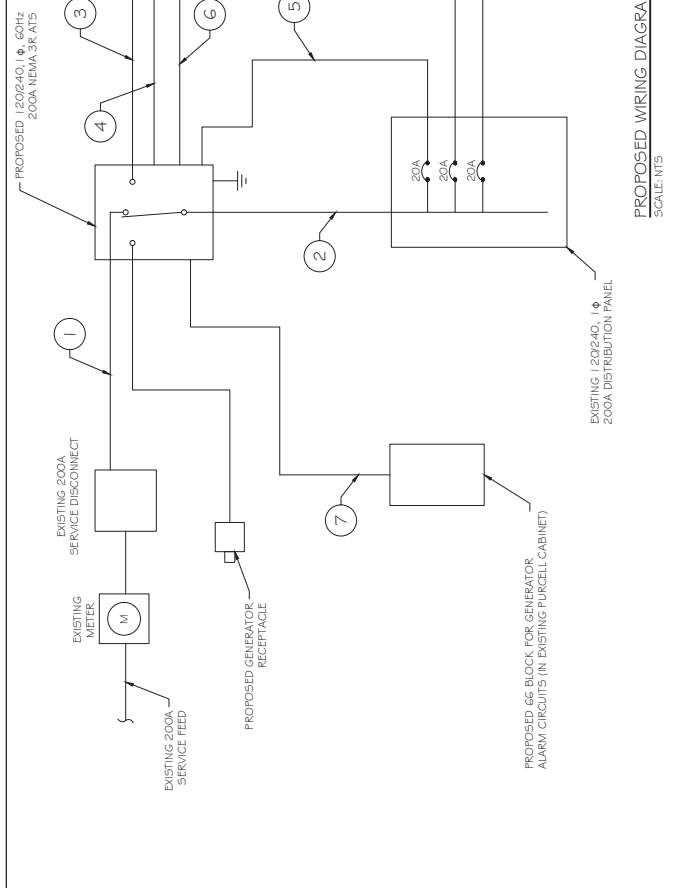
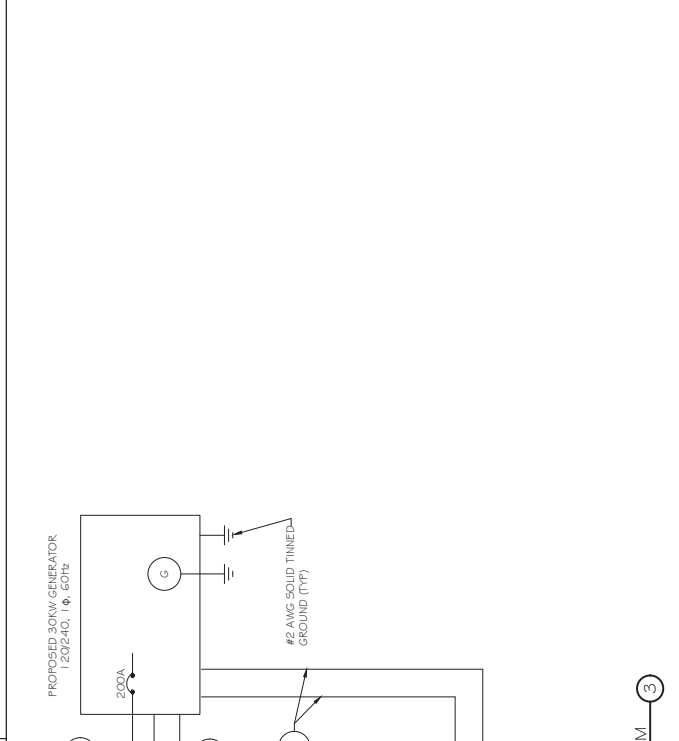
ALARM WIRE IDENTIFICATION CHART

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

*CATS CABLE ONLY, FROM 2ND CATS CABLE

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) 3/0	(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" 1" 1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER CIRCUIT FOR BATTERY CHARGER CIRCUIT FOR ATS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	12 PAIR 24 AWG 6-PAIR CATS 2EA 6-PAIR CATS	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG. PROVIDE 2'4" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AHT TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	12 PAIR 24 AWG 6-PAIR CATS 2EA 6-PAIR CATS	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG (RUN TO PURCELL CABINET & INTO ALARM BOX). PROVIDE 2'4" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AHT TECH. LABEL ALL WIRES





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PREPARED FOR:


CONSULTANT:
GENERAL DYNAMICS
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 GENERAL DYNAMICS
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 KING OF PRUSSIA, PA 19406

CONTRACT & JOB
 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 in the State of Connecticut.

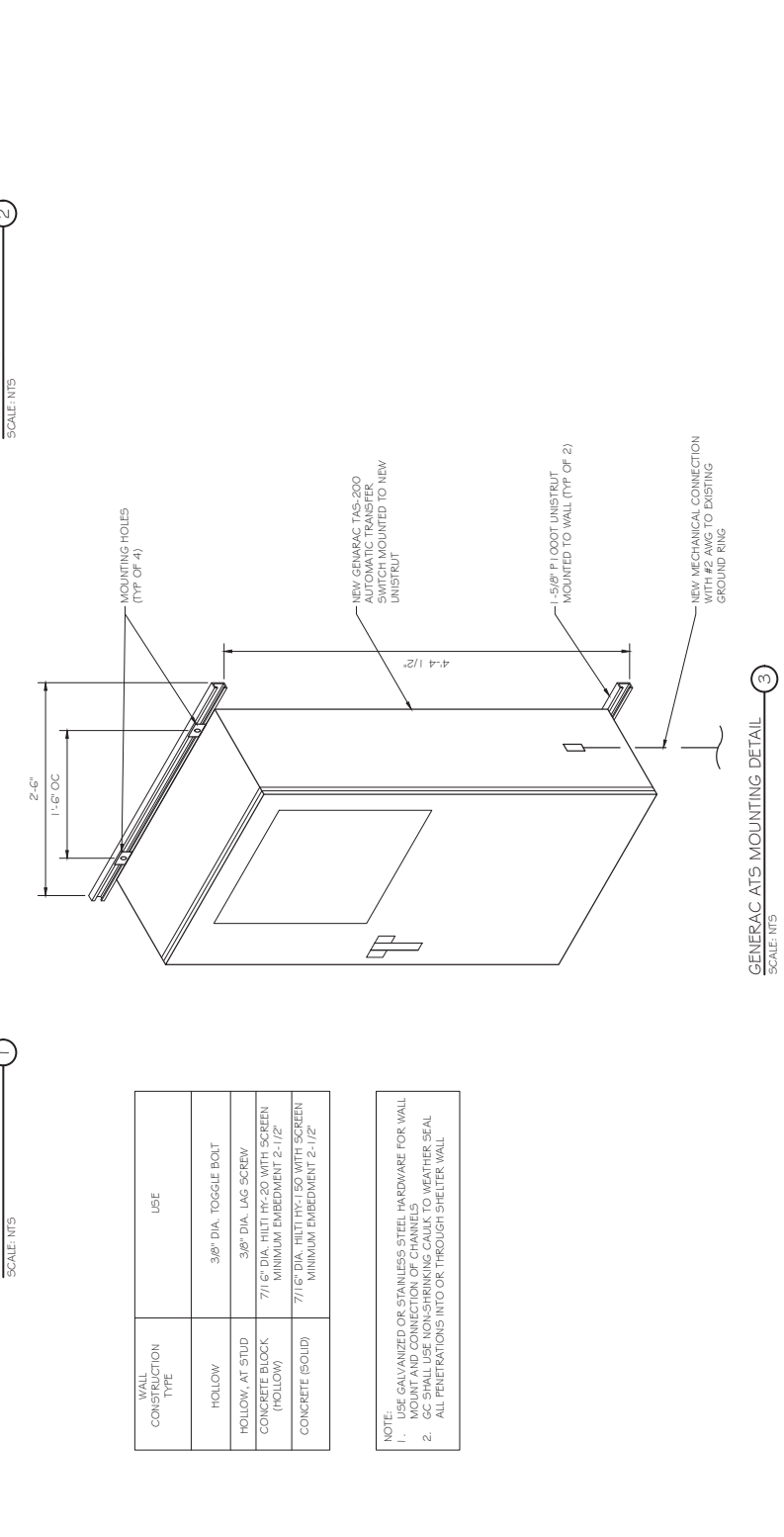
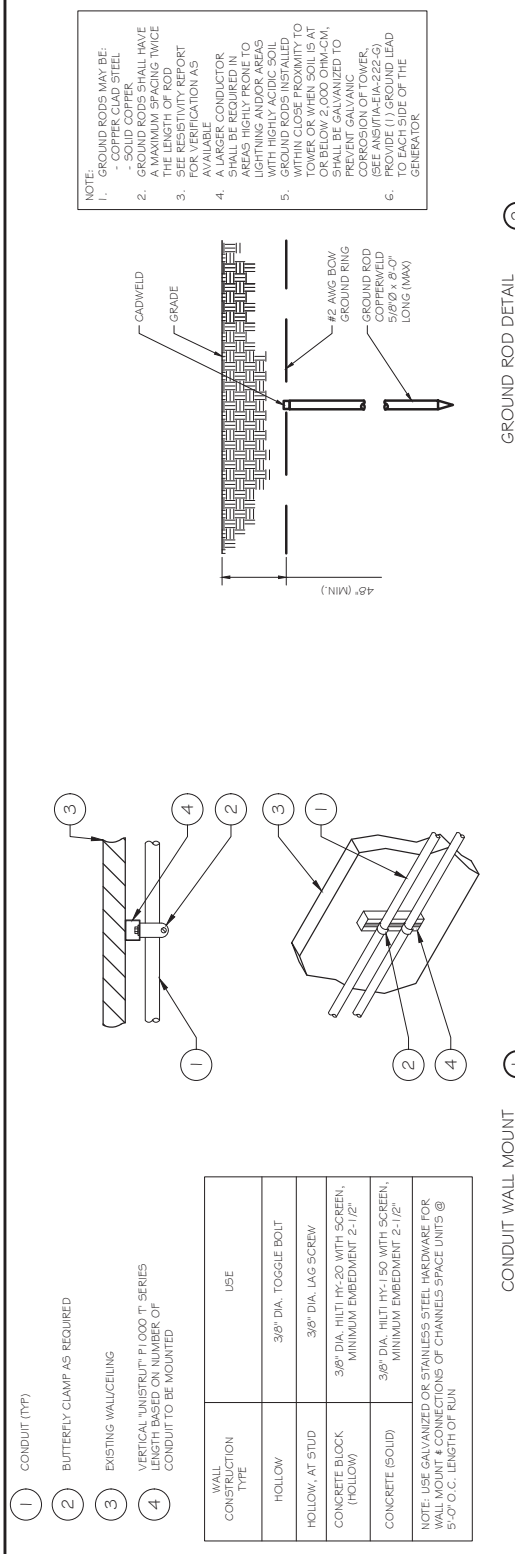
James R. Stewart
 26286
 1/24/2020
 DATE:

MARK	DATE	DESCRIPTION
SCALE	FINAL	DATE
PROJECT TITLE	1/24/2020	

EAST HADDAM NORTH
FA ID # 1007 | 4 |
 PROJECT ADDRESS:
 33 NEPTUNE AVENUE
 MOODUS, CT 06469

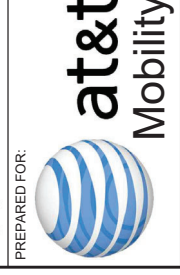
SHEET TITLE:
ATS, CONDUIT & GROUND ROD
DETAILS
 SCALE: NONE

PROJECT NUMBER: 48249
 SHEET NUMBER: E-3



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



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



MARK	DATE	DESCRIPTION
SIZE	FINAL	DATE: 1/12/2020
PROJECT TITLE		

EAST HADDAM NORTH
 FA ID # 1007141
 PROJECT INFORMATION:
 33 NEPTUNE AVENUE
 MOODIUS, CT 06469

SHEET TITLE:
 GENERAC 30KW GENERATOR SPECIFICATIONS

SCALE: NONE
 PROJECT NUMBER: 48249
 SHEET NUMBER: E-4

SD030 | 2.2L | 30 KW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

STANDARD FEATURES

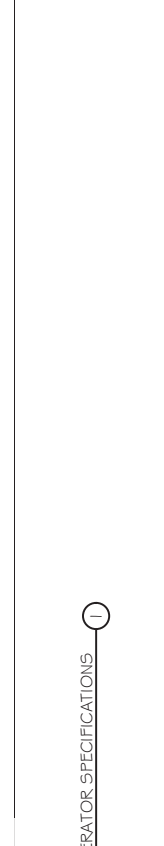
- | | |
|--|--|
| <p>ENGINE SYSTEM</p> <ul style="list-style-type: none"> Oil Drain Extension Air Chiller 23 Filter Springed Saver Engine Oil Level Protection Relator Duct Adapter (Open Side Only) Critical Silence (Enclosed Unit Only) Engine Coolant Heater <p>Fuel System</p> <ul style="list-style-type: none"> Fuel Lockoff Solenoid Primary Fuel Filter <p>Cooling System</p> <ul style="list-style-type: none"> Cooled Coolant Recovery System UV/Ozone Resistant Hoses Factory-Installed Radiator Relator Drain Extension 50/50 Ethylene Glycol Antifreeze <p>Electrical System</p> <ul style="list-style-type: none"> Battery Charging Alternator Battery Cables Battery Tray Rubber-Booted Engine Electrical Connections Shrouded Activated Starter Motor | <p>ENCLOSURE (If Selected)</p> <ul style="list-style-type: none"> Rust-Proof Fasteners with Nylon Washers to Prevent Galvanic Corrosion High Performance Sound-Absorbing Material (Sound Attenuation Enclosures) Gasketed Doors Stamped Air-Intake Louvers Upward Facing Discharge Hoods Relator and Oil Pan Drain Door Hinges Stainless Steel Lockable Handles Stainless Steel Lockable Hinges Rinocoat™ - Textured Polyester Powder Coat Paint <p>FUEL TANKS (If Selected)</p> <ul style="list-style-type: none"> UL 140ULC 5601 Double Wall Normal and Emergency Vents Sloped Top Sloped Bottom Factory Pressure Tested Rupture Basin Alarm Fuel Level Check Valve In Supply and Return Lines Rinocoat™ - Textured Polyester Powder Coat Paint Stainless Steel Hardware |
| <p>ALTERNATOR SYSTEM</p> <ul style="list-style-type: none"> UL2080 ISOapproved™ Class H Insulation Material 23 Filter Springed Saver Engine Oil Level Protection Relator Duct Adapter (Open Side Only) Critical Silence (Enclosed Unit Only) Engine Coolant Heater <p>Generator Set</p> <ul style="list-style-type: none"> Inernal Genset Vibration Isolation Separation of Circuits - High/Low Voltage Separation of Breakers - Multiple Breakers Wrapped Exhaust Piping Standard Factory Testing 1 Year Limited Warranty (Standby Rated Units) 2 Year Unlimited Warranty (Prime Rated Units) Generator Mounted in the Discharge Hood (Enclosed Unit Only) | <p>CONTROL SYSTEM</p> <ul style="list-style-type: none"> Audible Alarms and Shutdowns Net in Auto (Flashing Light) Auto Off/Manual Switch E-Stop (Red Mushroom-Type) NFPA 110 Level I and II (Programmable) Customizable Alarms, Warnings, and Events Modbus® Protocol Predictive Maintenance Algorithm Sealed Boards Password Parameter Adjustment Protection Single Point Ground 10 Channel Remote Trending 0.2 Inset High Speed Remote Trending on the Display <p>Digital H Control Panel - Dual 4x20 Display</p> <ul style="list-style-type: none"> Programmable Chalk Limiter 7-Day Programmable Exerciser Special Applications Programmable Logic Controller RS-232/485 Communications All Phase Sensing Digital Voltage Regulator 2-Wire Start Capability Delay Time Fault History (Event Log) Isynchronous Governor Control Waterproof/Sealed Connectors |

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.

- Not all codes and standards apply to all configurations. Contact factory for details.
- UL UL2200, UL508, UL489, UL142
 - CSA C22.2
 - BS5514 and DIN 6271
 - SAE J1349
 - NFPA 37, 70, 89, 110
 - NEC700, 701, 702, 708
 - ISO 3046, 7637, 8528, 9001
 - NEMA ICS10, MG1, 250, ICS6, AB1
 - ANSI C62.41

Codes and Standards



Standby Power Rating
 30 kW, 38 kVA, 60 Hz

Prime Power Rating*
 27 kW, 34 kVA, 60 Hz

ISO 9001
 *EPA Certified Prime ratings are not available in the US or its territories

SD030 | 2.2L | 30 KW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

STANDARD FEATURES

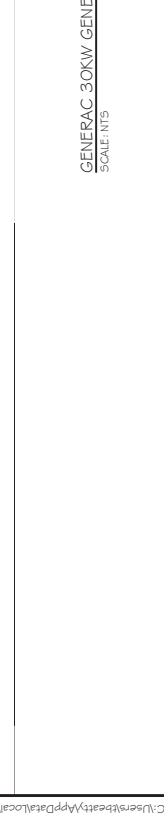
- | | |
|--|--|
| <p>ENGINE SYSTEM</p> <ul style="list-style-type: none"> Oil Drain Extension Air Chiller 23 Filter Springed Saver Engine Oil Level Protection Relator Duct Adapter (Open Side Only) Critical Silence (Enclosed Unit Only) Engine Coolant Heater <p>Fuel System</p> <ul style="list-style-type: none"> Fuel Lockoff Solenoid Primary Fuel Filter <p>Cooling System</p> <ul style="list-style-type: none"> Cooled Coolant Recovery System UV/Ozone Resistant Hoses Factory-Installed Radiator Relator Drain Extension 50/50 Ethylene Glycol Antifreeze <p>Electrical System</p> <ul style="list-style-type: none"> Battery Charging Alternator Battery Cables Battery Tray Rubber-Booted Engine Electrical Connections Shrouded Activated Starter Motor | <p>ENCLOSURE (If Selected)</p> <ul style="list-style-type: none"> Rust-Proof Fasteners with Nylon Washers to Prevent Galvanic Corrosion High Performance Sound-Absorbing Material (Sound Attenuation Enclosures) Gasketed Doors Stamped Air-Intake Louvers Upward Facing Discharge Hoods Relator and Oil Pan Drain Door Hinges Stainless Steel Lockable Handles Stainless Steel Lockable Hinges Rinocoat™ - Textured Polyester Powder Coat Paint <p>FUEL TANKS (If Selected)</p> <ul style="list-style-type: none"> UL 140ULC 5601 Double Wall Normal and Emergency Vents Sloped Top Sloped Bottom Factory Pressure Tested Rupture Basin Alarm Fuel Level Check Valve In Supply and Return Lines Rinocoat™ - Textured Polyester Powder Coat Paint Stainless Steel Hardware |
| <p>ALTERNATOR SYSTEM</p> <ul style="list-style-type: none"> UL2080 ISOapproved™ Class H Insulation Material 23 Filter Springed Saver Engine Oil Level Protection Relator Duct Adapter (Open Side Only) Critical Silence (Enclosed Unit Only) Engine Coolant Heater <p>Generator Set</p> <ul style="list-style-type: none"> Inernal Genset Vibration Isolation Separation of Circuits - High/Low Voltage Separation of Breakers - Multiple Breakers Wrapped Exhaust Piping Standard Factory Testing 1 Year Limited Warranty (Standby Rated Units) 2 Year Unlimited Warranty (Prime Rated Units) Generator Mounted in the Discharge Hood (Enclosed Unit Only) | <p>CONTROL SYSTEM</p> <ul style="list-style-type: none"> Audible Alarms and Shutdowns Net in Auto (Flashing Light) Auto Off/Manual Switch E-Stop (Red Mushroom-Type) NFPA 110 Level I and II (Programmable) Customizable Alarms, Warnings, and Events Modbus® Protocol Predictive Maintenance Algorithm Sealed Boards Password Parameter Adjustment Protection Single Point Ground 10 Channel Remote Trending 0.2 Inset High Speed Remote Trending on the Display <p>Digital H Control Panel - Dual 4x20 Display</p> <ul style="list-style-type: none"> Programmable Chalk Limiter 7-Day Programmable Exerciser Special Applications Programmable Logic Controller RS-232/485 Communications All Phase Sensing Digital Voltage Regulator 2-Wire Start Capability Delay Time Fault History (Event Log) Isynchronous Governor Control Waterproof/Sealed Connectors |

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.

- Not all codes and standards apply to all configurations. Contact factory for details.
- UL UL2200, UL508, UL489, UL142
 - CSA C22.2
 - BS5514 and DIN 6271
 - SAE J1349
 - NFPA 37, 70, 89, 110
 - NEC700, 701, 702, 708
 - ISO 3046, 7637, 8528, 9001
 - NEMA ICS10, MG1, 250, ICS6, AB1
 - ANSI C62.41

Codes and Standards



Standby Power Rating
 30 kW, 38 kVA, 60 Hz

Prime Power Rating*
 27 kW, 34 kVA, 60 Hz

ISO 9001
 *EPA Certified Prime ratings are not available in the US or its territories



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



PROJECT INFORMATION:	EAST HADDAM NORTH FA ID # 10071141
PROJECT ADDRESS:	33 NEPTUNE AVENUE MOODUS, CT 06469
SHEET TITLE:	GENERAC 30KW GENERATOR SPECIFICATIONS
SCALE:	NONE
PROJECT NUMBER:	48249
DRAWING NUMBER:	E-4.1



SD030 | 2.2L | 30 KW
 INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General	Cooling System	Closed Recovery
Make	Water Pump Type	Pre-Lubri. Self Sealing
EPA Emissions Compliance	Fan Type	Pusher
EPA Emissions Reference	Fan Speed - RPM	1,890
Cylinder #	Fan Diameter - in (mm)	18 (457)
Type	Fuel System	Ultra Low Sulfur Diesel Fuel #2
Displacement - in ³ (L)	Fuel Specifications	ASTM
Bore - in (mm)	Fuel Filtration (microns)	5
Stroke - in (mm)	Fuel Inject Pump	Distribution Injection Pump
Compression Ratio	Fuel Pump Type	Engine Driven Gear
Intake Air Method	Injector Type	Mechanical
Cylinder Head	Fuel Supply Line - in (mm)	0.31 (7.9) ID
Piston Type	Fuel Return Line - in (mm)	0.2 (4.8) ID
Crankshaft Type	Engine Electrical System	Electronic Isochronous
Engine Governing	Governor	±0.5%
Frequency Regulation (Steady State)	Frequency Regulation (Steady State)	±0.5%
Lubrication System	System Voltage	12 VDC
Oil Pump Type	Battery Charger Alternator	Standard
Oil Filter Type	Battery Size	See Battery Index 01619705BY
Crankcase Capacity - qt (L)	Battery Voltage	12 VDC
	Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0035124V21
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	Brushless
Bearings	Single Sealed
Couplings	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Senses Phases	All
Regulation Accuracy (Steady State)	±0.25%



SD030 | 2.2L | 30 KW
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CONFIGURABLE OPTIONS

- ENGINE SYSTEM**
 - Oil Heater
 - Critical Silencer (Open Set Only)
 - Radiator Stone Guard
 - Level 1 Fan and Belt Guards (Open Set Only)
- FUEL SYSTEM**
 - NPT Flexible Fuel Line
- ELECTRICAL SYSTEM**
 - 10A UL Listed Battery Charger
 - Battery Warmer
- ALTERNATOR SYSTEM**
 - Alternator Upsizing
 - Anti-Condensation Heater
 - Tropical Coating
 - Permanent Magnet Excitation
- GENERATOR SET**
 - Extended Factory Testing
 - 8 Position Load Center
 - Pad Vibration Isolation
- ENGINEERED OPTIONS**
- ENGINE SYSTEM**
 - Coolant Heater Isolation Ball Valves
 - Fluid Containment Pan
- CONTROL SYSTEM**
 - Spare Inputs (x4) / Outputs (x4)
 - Battery Disconnect Switch
- CIRCUIT BREAKER OPTIONS**
 - Main Line Circuit Breaker
 - Remote Relay Assembly (6 or 16)
 - Oil Temperature Indication and Alarm
 - Remote E-Stop (Break Cables Type, Surface Mount)
 - Remote E-Stop (Break Cables Type, Surface Mount)
 - Remote E-Stop (Red Mushroom Type, Flush Mount)
 - 100 dB Alarm Horn
 - Ground Fault Annunciation
 - 120V GFCI and 240V Outlets
 - Remote Communication - Modern
 - 10A Engine Run Relay
- ENCLOSURE**
 - Weather Protected Enclosure
 - Level 1 Sound Attenuation
 - Level 2 Sound Attenuation with Motorized Dampers
 - 10A UL Listed Battery Charger
 - Alternator Enclosure
 - Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
 - AISC Enclosure Lighting Kit
 - Door Alarm Switch
 - Enclosure Heater
 - Dampers Alarm Contacts
- WARRANTY (Standby Senses 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
- FUEL TANKS (Size On Last Page)**
 - 8 in (203.2 mm) Fill Extension
 - 13 in (330.2 mm) Fill Extension
 - 19 in (482.6 mm) Fill Extension
 - Overfill Protection Valve
 - 5 Gallon Spill Box Return Hose
 - 5 Gallon Spill Box
 - Fuel Switch and Alarm
 - Fuel System
 - 12 Vent System
 - Fire Rated Stainless Steel Fuel Hose
- FUEL TANKS**
 - U2095 Tank
 - Stainless Steel Tanks
 - Special Fuel Tanks
 - Vent Extensions
- ALTERNATOR SYSTEM**
 - 3rd Breaker System
- GENERATOR SET**
 - Special Testing



RAMAKER
employee-owned
(608) 643-4100 www.ramaker.com



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

COMMENTS:
1. Herby, verify that this plan, specification, or report was prepared by or under the direct supervision of a Professional Engineer registered in the State of Connecticut.



DATE: 1/24/2020

NO.	DATE	DESCRIPTION
1	1/24/2020	FINAL

PROJECT INFORMATION:
33 NEPTUNE AVENUE
MOODUS, CT 06469

EAST HADDAM NORTH
FA ID # 1007141

SHEET TITLE:
GENERAC 30KW GENERATOR SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER: 48249
DRAWING NUMBER: E-4.2

SD030 | 2.2L | 30 KW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

OPERATING DATA

POWER RATINGS

Single-Phase 120/240 VAC @ 1.0 pf	30 kW	Standby Amps: 125
Three-Phase 120/240 VAC @ 0.8 pf	30 kW	Standby Amps: 104
Three-Phase 277/480 VAC @ 0.8 pf	30 kW	Standby Amps: 90
Three-Phase 277/480 VAC @ 0.9 pf	30 kW	Standby Amps: 45
Three-Phase 345/600 VAC @ 0.9 pf	30 kW	Standby Amps: 36

SKVA vs. Voltage Dip

277/480 VAC	30%	208/240 VAC	30%
K0035124Y21	61	K0035124Y21	46
K0040124Y21	76	K0040124Y21	58
K0050124Y21	88	K0050124Y21	75

MOTOR STARTING CAPABILITIES (kVA)

FUEL CONSUMPTION RATES*

Fuel Pump Ltr. Ft. (m)	Diesel - gph (Lph)	Standby
3 (1)	1.0 (3.7)	14.9 (56.2)
16.6 (63)	1.4 (5.2)	2.5 (9.5)
	50%	128.638 (138)
	75%	2.8 (10.5)
	100%	132 (50)

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

COOLING

Coolant Flow	gpm (Lpm)	Standby
Coolant System Capacity	gal (L)	14.9 (56.2)
Heat Rejection to Coolant	BTU/hr (kW)	2.5 (9.5)
Inlet Air	scfm (m ³ /hr)	128.638 (138)
Minimum Operating Ambient Temperature	°F (°C)	2.8 (10.5)
Maximum Operating Ambient Temperature (Before Derating)	°F (°C)	132 (50)
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

Flow at Rated Power scfm (m ³ /min)	Standby
88 (2.5)	

EXHAUST

Standby	Standby
Exhaust Flow (Rated Output)	scfm (m ³ /min)
296.0 (8.4)	
Max. Allowable Backpressure (Post Turbocharger)	inHg (kPa)
1.5 (5.1)	
Exhaust Temp (Rated Output)	°F (°C)
832 (479)	
BHP	psi (kPa)
159 (1,096)	

ENGINE

Rated Engine Speed	RPM	Standby
1,800		1,800
horsepower at Rated kW**	hp	49
Rated Speed	R/min (m/min)	1,181 (350)
BHP	psi (kPa)	159 (1,096)

** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAQM permitting purposes.

Duration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under adverse site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN8271 standards. Standby - See Bulletin 0187500SSB Prime - See Bulletin 0187510SSB

SD030 | 2.2L | 30 KW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

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33 NEPTUNE AVE

Location 33 NEPTUNE AVE

Mblu M55/ / L034/ /

Acct# 00207700

Owner BARON SMITH AMERICAN
LEGION 15

Assessment \$392,910

Appraisal \$561,300

PID 2488

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$302,200	\$259,100	\$561,300

Assessment			
Valuation Year	Improvements	Land	Total
2017	\$211,540	\$181,370	\$392,910

Owner of Record

Owner BARON SMITH AMERICAN LEGION 15
Co-Owner
Address PO BOX 100
MOODUS, CT 06469-0100

Sale Price \$0
Certificate
Book & Page 72/ 163
Sale Date 05/15/1957
Instrument 29

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BARON SMITH AMERICAN LEGION 15	\$0		72/ 163	29	05/15/1957

Building Information

Building 1 : Section 1

Year Built: 1952
Living Area: 4,432
Replacement Cost: \$406,288
Building Percent Good: 68
Replacement Cost
Less Depreciation: \$276,300

Building Attributes

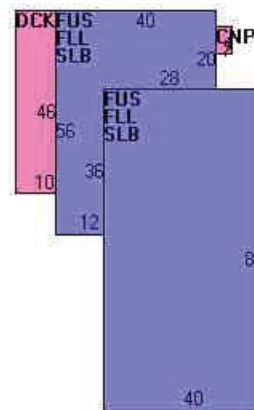
Field	Description
STYLE	Clubs/Lodges
MODEL	Comm/Ind
Grade	C
Stories:	1
Occupancy	0
Exterior Wall 1	Clapboard
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	Pine/Soft Wood
Heating Fuel	Oil
Heating Type	Forced Hot Air
AC Percent	100
Foundation	Slab
Bldg Use	Exempt Comm
Total Rooms	0
Total Bedrms	0
Total Fixtures	6
% Sprinklers	0
Bsmt Area	0
1st Floor Use:	
Heat/AC	Heat/Ac Split
Frame Type	Masonry
Baths/Plumbing	Average
Ceiling/Wall	Sus-Ceil & WI
Rooms/Prtns	Average
Wall Height	9
% Comn Wall	0

Building Photo



(<http://images.vgsi.com/photos/EastHaddamCTPhotos/\A00\00\70\36.jpg>)

Building Layout



(http://images.vgsi.com/photos/EastHaddamCTPhotos//Sketches/2488_24)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Finished Upper Story	4,432	4,432
CNP	Canopy	28	0
DCK	Deck	460	0
FLL	Fin Lower Level Comm	4,432	0
SLB	Slab	4,432	0
		13,784	4,432

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code 201E
Description Exempt Comm
Zone R1/2
Neighborhood
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 7.12
Frontage
Depth
Assessed Value \$181,370
Appraised Value \$259,100

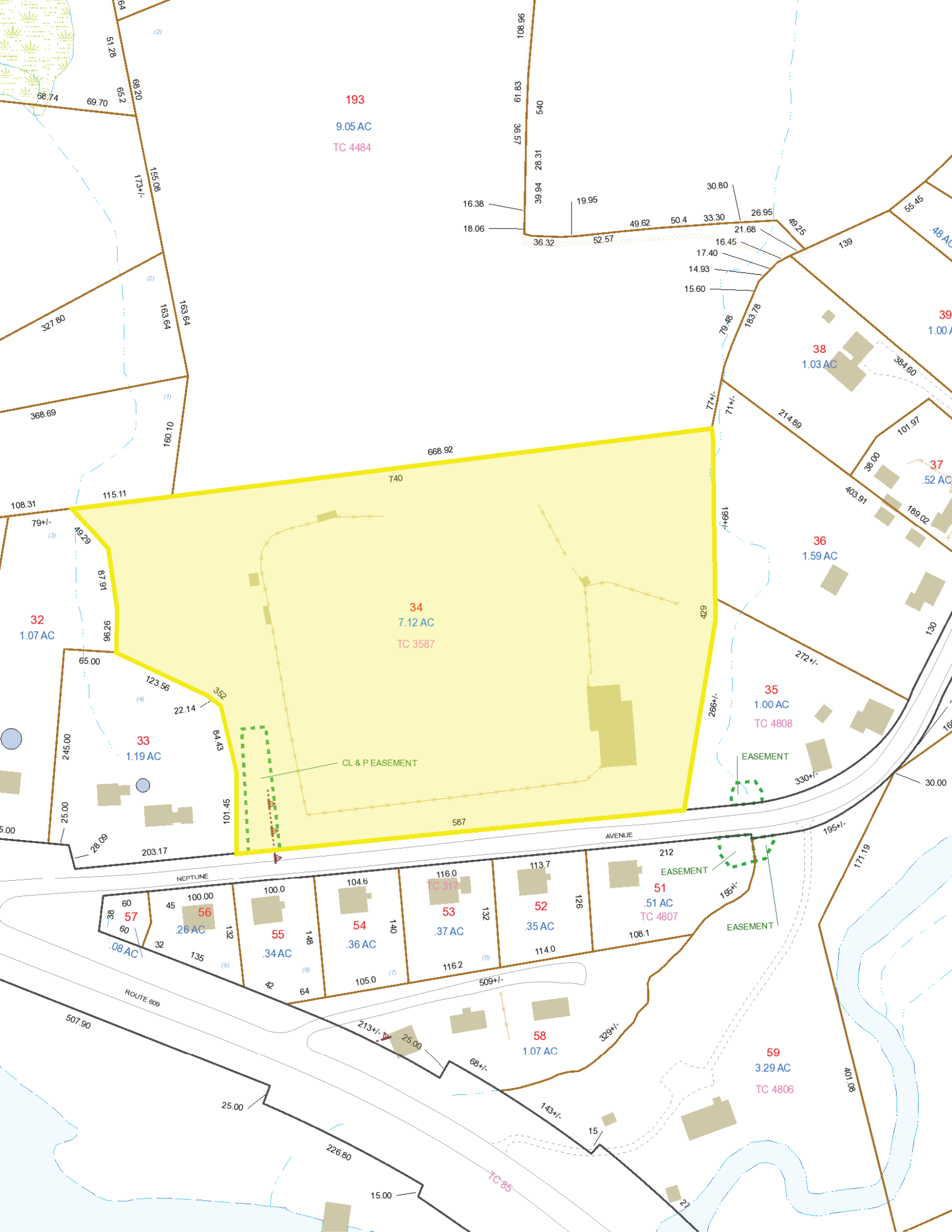
Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed			128 S.F.	\$1,200	1
FOP	Porch			128 S.F.	\$1,600	1
SHD1	Shed			192 S.F.	\$1,200	1
SHD1	Shed			320 S.F.	\$2,100	1
PAV1	Paving			11024 S.F.	\$16,500	1
SHD1	Shed			360 S.F.	\$3,300	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2018	\$302,200	\$259,100	\$561,300
2017	\$301,100	\$259,100	\$560,200
2016	\$288,700	\$259,100	\$547,800

Assessment			
Valuation Year	Improvements	Land	Total
2018	\$211,540	\$181,370	\$392,910
2017	\$210,770	\$181,370	\$392,140
2016	\$202,090	\$181,370	\$383,460



ATTACHMENT 2

**Petition 637: East Haddam
AT&T
Staff Report
November 20, 2003**

On Friday, August 22, 2003, Council member Phil Ashton and staff member David Martin met with AT&T representatives Chris Fisher, Joanne Desjardins, and Joe Falivene at the American Legion baseball field on Neptune Avenue in the Moodus section of East Haddam.

The American Legion is in the process of replacing six 50' wooden light poles that provided lighting for its ballfield with six newer and taller poles that would provide better lighting with less light spillover to adjacent properties. AT&T was searching for a site in this area and learned of the Legion's plans. AT&T negotiated an agreement with the Legion to place its antennas on one of the replacement light poles. Four of the six new poles will be 70' high. Two poles will be 90' high; one to accommodate three AT&T antennas, and one to be available for any other wireless carrier that might be interested in a site in this area. The ballfield is well-screened by mature deciduous trees for most of its perimeter. There is a cleared area near the entrance to the Legion property opposite several residences on Neptune Avenue.

The Legion and AT&T have taken the lighting plan to the East Haddam Planning and Zoning Commission and have received approval for the replacement poles. During the local approval process, AT&T provided notice to property owners within 250' of the Legion property and also flew two balloons at the proposed height of the taller poles.

In its petition, AT&T requests a declaratory ruling that the Siting Council has no jurisdiction over its facility. In making this request, AT&T contends that the primary purpose of the replacement poles are to light the ballfield and that its antennas would be an accessory use of the sort usually exempt from the Council's regulatory authority. Should the Council deem it does have jurisdiction, AT&T suggests that its use of the light poles would not have any substantial adverse environmental effect and that the Council should rule accordingly.

Setting the jurisdiction question aside, AT&T's use of a light pole to place its antennas in the Moodus area represents an imaginative solution to the problem of where to place a pole for its antennas and is not expected to create any significant adverse environmental impacts.

The Council has also received a letter from a nearby resident who is requesting the Council to order the relocation of the second 90-foot tower from a location behind third base to a location just beyond the outfield fence in right-center field. He is making this request to protect the view from his home a short distance away. The location he is proposing for the second tower, however, is close to the few homes on Neptune Avenue that have a relatively clear view of the field. During AT&T's consultation with the town, the Town Planner made clear his preference to locate the taller poles away from these homes.

ATTACHMENT 3

CERTIFICATION

I hereby certify that on the 13th day of January, 2021, 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.

Dated: January 13, 2021



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