

Market: RWSH
Cell Site Number: 0289
Cell Site Name: PURCELLVILLE
Fixed Asset Number: 10004917

FIRST AMENDMENT TO WATER TOWER COMMUNICATIONS SITE LEASE AGREEMENT

THIS FIRST AMENDMENT TO WATER TOWER COMMUNICATIONS SITE LEASE AGREEMENT dated as of the latter of the signature dates below, is by and between TOWN OF PURCELLVILLE, having a mailing address of 221 South Nursery Avenue, Purcellville, Virginia 20132 ("**Lessor**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, Atlanta, GA 30319-5309 ("**Lessee**").

WHEREAS, Lessor and Lessee entered into a Water Tower Communications Site Lease Agreement signed on August 19, 2020, with a Commencement Date of June 1, 2019, whereby Lessor leased to Lessee certain Premises, therein described, that are a portion of the Property located at 311 North Maple Avenue, Purcellville, Virginia 20132 ("Agreement"); and

WHEREAS, Lessor and Lessee desire, in their mutual interest, to amend the Agreement as set forth below.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee agree as follows:

1. **New Premises Area.** Lessor agrees to increase the size of the Premises leased to Lessee to accommodate Lessee's needs. Upon the execution of this Amendment, Lessor leases to Lessee the additional premises described on Exhibit A-1 ("New Premises Area") attached hereto. The New Premises Area has a total area of forty (40) square feet, plus space to be occupied by cabling connecting the Generator Facilities (as defined below) to the existing equipment shelter. Lessor's execution of this Amendment will signify Lessor's approval of Exhibit A-1. The Premises under the Agreement prior to this Amendment in addition to the New Premises Area under this Amendment shall be the Premises under the Agreement.
2. **Generator.** Lessee shall have the right to install, repair, maintain, modify, replace, remove, utilize and operate equipment within the New Premises Area, consisting of a concrete pad, generator installed thereon, a back-up power supply, and electrical cables connecting the generator and back-up power supply to Lessee's existing Facilities, as shown on the drawing attached as Exhibit C-1 (the "Generator Facilities"). The area occupied by the Generator Facilities has a total area of forty (40) square feet. Lessee shall have the right to access the New Premises Area for the purpose of installing, constructing, operating, and maintaining the Generator Facilities, and any provisions in the Agreement governing access shall apply to such access. The Generator Facilities

shall remain the property of Lessee, and Lessee shall have the right to remove or modify them at any time. Lessee shall at all times install, construct, operate, and maintain the Generator Facilities in accordance with all applicable state and local codes and ordinances. The term "Equipment," as defined in the Agreement, includes the Generator Facilities.

3. **Rent.** Commencing the first day of the month following commencement of installation within the New Premises Area ("Increase Commencement Date"), Rent shall be increased by Two Hundred Fifty and No/100 Dollars (\$250.00) per month, subject to further adjustments, as provided in the Agreement; provided that the first such increased payment shall not be due until sixty (60) days after such commencement date and provided further that, any partial month occurring after the Increase Commencement Date, the increased Rent amount shall be pro-rated.
4. **Access to Electrical Panel.** In addition to the Rent, as consideration for the rights granted by Landlord under this Amendment, Tenant shall (i) install and reserve for Landlord's use an electrical outlet with a ground fault circuit interrupter within Tenant's equipment shelter (the "GFCI Outlet"), to be used to deliver electrical power to the radio communications equipment operated by Landlord ("Public Safety Equipment"); (ii) install and reserve for Landlord's use a twenty (20) ampere circuit breaker in the electrical power panel to be installed as part of the Generator Facilities (the "Circuit Breaker"), which shall be used to supply power to the GFCI Outlet; and (iii) supply electrical power to Landlord's Public Safety Equipment by means of the GFCI Outlet, at no cost or charge to Landlord. The GFCI Outlet and the Circuit Breaker are designated on Exhibit C-1.

5. **Lease Term.** Section 3 of the Agreement is hereby deleted in its entirety and replaced with the following:

Lease Term. This Agreement shall be effective as of the Effective Date. The term of the Lease shall be five years commencing on the Effective Date and ending at 11:59 p.m. on the day immediately preceding the fifth (5th) anniversary of the Effective Date (the "Term").

6. **Other.** Lessor authorizes Lessee to prepare, execute and file all required applications to obtain any government approvals for Lessee's use of the New Premises Area under this Agreement and agrees, at Lessee's request, to reasonably assist Lessee with such applications and with obtaining and maintaining the government approvals. Lessee may terminate this Amendment by written notice to Lessor at any time, and the rent increase set forth in Section 3 shall not take effect or shall be cancelled, as applicable, following any such termination. Within sixty (60) days after termination of this Amendment, Lessee shall remove its equipment from the New Premises Area. Lessee shall repair any damage to the New Premises Area caused by its installation, construction, maintenance, or removal activities.

7. **Notices.** Section 15 of the Agreement is hereby deleted in its entirety and replaced with the following:

Notices. All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows.

If to LESSOR: Town of Purcellville
Attn: Town Manager
221 South Nursery Avenue
Purcellville, VA 20132

If to LESSEE: New Cingular Wireless PCS, LLC
Attn: TAG - LA
Re: Cell Site # 0289
Cell Site Name: Purcellville
Fixed Asset #: 10004917
1025 Lenox Park Blvd NE
3rd Floor
Atlanta, GA 30319

With copy to: New Cingular Wireless PCS, LLC
Attn: Legal Department
Re: Cell Site # 0289
Cell Site Name Purcellville
Fixed Asset #: 10004917
208 S. Akard Street
Dallas, Texas, 75202-4206

The copy sent to the Legal Department is an administrative step which alone does not constitute legal notice. Either party hereto may change the place for the giving of notice to it by thirty (30) days prior written notice to the other as provided herein.

8. Memorandum of Lease. Either party will, at any time upon fifteen (15) days prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum of Lease substantially in the form of the Attachment 3. Either party may record this memorandum at any time, in its absolute discretion.

9. Other Terms and Conditions Remain. In the event of any inconsistencies between the Agreement and this First Amendment, the terms of this First Amendment shall control. Except as expressly set forth in this First Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this First Amendment. The rights granted to Lessee herein are in addition to and not intended to limit any rights of Lessee in the Agreement. Unless otherwise specified herein or unless the context requires otherwise, the terms in the Agreement shall apply to the New Premises Area.

10. Capitalized Terms. All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

11. Representations. Each of the signatories hereto hereby represents that such person has the power to execute this First Amendment and that the execution and delivery of this First Amendment (a) has been authorized by proper action, (b) has been executed by a duly authorized officer or partner of such party and (c) constitutes the valid and binding obligation of the party.

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this First Amendment on the dates set forth below.

LESSOR:

Town of Purcellville

LESSEE:

New Cingular Wireless PCS, LLC,
a Delaware limited liability
company

By: AT&T Mobility Corporation
Its: Manager

By: _____
Print Name: _____
Its: _____
Date: _____

By:  _____
Print Name: Jesse Bird
Its: Purcell Tech Value Mgmt
Date: 4/26/23

LESSEE ACKNOWLEDGEMENT

STATE OF Maryland)
) ss:
COUNTY OF Baltimore City)

On the 26 day of April, 2023 before me personally appeared Jesse Bird, and acknowledged under oath that he is the Project Manager of AT&T of Washington Baltimore, the Executor named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Company.



Notary Public: Shantie Lee
My Commission Expires: 05/06/2023

LESSOR ACKNOWLEDGEMENT

INDIVIDUAL ACKNOWLEDGEMENT

STATE OF _____)
) ss:
COUNTY OF _____)

BE IT REMEMBERED, that on this _____ day of _____, 20____ before me, the subscriber, a person authorized to take oaths in the State of _____, personally appeared _____ who, being duly sworn on his/her/their oath, deposed and made proof to my satisfaction that he/she/they is/are the person(s) named in the within instrument; and I, having first made known to him/her/them the contents thereof, he/she/they did acknowledge that he/she/they signed, sealed and delivered the same as his/her/their voluntary act and deed for the purposes therein contained.

Notary Public: _____
My Commission Expires: _____

EXHIBIT A-1

Additional Premises Area

See attached

EXHIBIT C-1

Generator

See attached

ATTACHMENT 3

MEMORANDUM OF LEASE

Prepared by:

Michael Bowden

General Dynamics

2586 Industry Lane, Suite 100

Norristown, PA 19403

Return to:

New Cingular Wireless PCS, LLC

Attn: Legal Department

208 S. Akard Street

Dallas, Texas, 75202-4206

Re: Cell Site #: 54903
Cell Site Name: Purcellville
Fixed Asset Number: 10004917
State: Commonwealth of Virginia
County: Loudoun

MEMORANDUM OF LEASE

This Memorandum of Lease is entered into on this ____ day of _____, 20____, by and between The Town of Purcellville having a mailing address of 221 South Nursery Avenue, Purcellville, Virginia 20132 ("**Lessor**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, 3rd Floor, Atlanta, GA 30319 ("**Lessee**").

1. Lessor and Lessee entered into a certain Water Tower Communications Site Lease Agreement dated August 19, 2020, as amended by that certain First Amendment to Water Tower Communications Site Lease Agreement dated _____, _____ 202____ (hereinafter, collectively referred to as the "**Agreement**") for the purpose of installing, operating and maintaining a communications facility and other improvements, including without limitation, a generator and backup power supply. All of the foregoing are set forth in the Agreement.

2. The Agreement is amended to provide that the lease term will be five (5) years ("**Initial Term**") commencing on June 1, 2019.
3. Lessor has agreed to increase the size of the of the Premises leased to Lessee to accommodate the placement of a generator and back-up power supply. The portion of the land being leased to Lessee (the "**Premises**") is described in **Exhibit 1** annexed hereto.
4. This Memorandum of Lease is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Lease as of the day and year first above written.

LESSOR:

Town of Purcellville

LESSEE:

New Cingular Wireless PCS, LLC,
a Delaware limited liability
company

By: AT&T Mobility Corporation
Its: Manager

By: _____

Print Name: _____

Its: _____

Date: _____

By:  _____

Print Name: Jesse Bird

Its: Principal Tech. Vendor Agent

Date: 4/26/23

LESSEE ACKNOWLEDGEMENT

STATE OF Maryland)
) ss:
COUNTY OF Baltimore City)

On the 26 day of April, 2023 before me personally appeared Jesse Bird, and acknowledged under oath that he is the Project Manager of AT&T, the Executor named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Company.



Notary Public: Shantie Lee
My Commission Expires: 05/06/2023

LESSOR ACKNOWLEDGEMENT

INDIVIDUAL ACKNOWLEDGEMENT

STATE OF _____)
) ss:
COUNTY OF _____)

BE IT REMEMBERED, that on this _____ day of _____, 20____ before me, the subscriber, a person authorized to take oaths in the State of _____, personally appeared _____ who, being duly sworn on his/her/their oath, deposed and made proof to my satisfaction that he/she/they is/are the person(s) named in the within instrument; and I, having first made known to him/her/them the contents thereof, he/she/they did acknowledge that he/she/they signed, sealed and delivered the same as his/her/their voluntary act and deed for the purposes therein contained.

Notary Public: _____
My Commission Expires: _____

EXHIBIT 1

DESCRIPTION OF PREMISES

Page _____ of _____

to the Memorandum of Lease dated _____, 20____, by and between _____, as Lessor, and New Cingular Wireless PCS LLC, a Delaware liability company, as Lessee.

The Premises are described and/or depicted as follows:

SCALE: NONE	PROJECT NUMBER	52736
	SHEET NO.	1-1

NOTES TO SUBCONTRACTOR:

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS OF THE SITE PRIOR TO WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
 2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORMS AND SCAFFOLDING. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND SAFE EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
 3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF QUALIFIED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NEEDED SKILLS WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
 4. CONSTRUCTION SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSURE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT ANY REQUIREMENTS THAT WILL BE MADE TO APTFY CONTINGUOUS AND NOT BE LIMITED TO NORMAL WORKING REQUIREMENTS. CONSTRUCTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THE PROJECT.
 5. SITE GROUNDING SHALL COMPLY WITH ALL WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE STANDARDS. LATEST EDITION AND COMPLY WITH ALL TOWERS GROUNDING CHECKLIST. LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF TOWER.
 6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION, IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE SUBCONTRACTORS RESPONSIBILITY TO OBTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
 7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. THE MOST STRINGENT REQUIREMENTS SHALL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
 8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTORS EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE ENGINEER.
 9. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.
 10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
 11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTORS EXPENSE.
 12. CLEANING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY NECESSARY TREES AND VEGETATION SHALL BE REMOVED. ANY REMOVAL OF TREES SHALL BE DONE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
 13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNUSABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
 14. SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE CONSTRUCTION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAIN AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
 15. PERMITS THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
 16. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES; SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS. THE SUBCONTRACTOR SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
 17. THE PLANS SHOW SOME NON-UNDER SURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND UTILITIES TO BE REMOVED TO MAKE WORKING ROOM. THE SUBCONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING STRUCTURES PRIOR TO CONSTRUCTION. ANY STRUCTURES NOT SHOWN ON THESE PLANS, THE SUBCONTRACTOR SHALL CONTACT THE LOCAL JURISDICTIONS DIGGERS HOTLINE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTORS DISCRETE.
- GENERAL NOTE:
- THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A CONCRETE PAD TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELFER AND TOWER.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
- THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO "HABITAT"

ACCESS IS REQUIRED)

4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION. APPROXIMATELY 2 TIMES PER MONTH BY AT41 TECHNICIANS.
5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE SUBCONSTRUCTION OPERATION.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- ELECTRICAL NOTES:
- A. GENERAL
1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT41 AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AT41 AND UTILITY COMPANIES. ROUTING OF ALL SERVICES SHALL BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.
3. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED
4. UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED. DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS, TEMPORARY EQUIPMENT, CABLES AND WHATEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES SHALL BE PROVIDED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES SHALL BE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMITS ON A WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL OBTAIN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.
5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID CONFLICTS. ANY CONFLICTS SHALL BE RESOLVED PRIOR TO THE BEGINNING OF THE WORK. IF THE WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.
6. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.
7. THE DRAWINGS ARE DIAGNRAMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. DRAFT EQUIPMENT LOCATIONS AND RAILWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT41'S REPRESENTATIVE.
8. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.
9. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE FOLLOWING LISTED MATERIALS SHALL BE USED:
- a. ASIM (AMERICAN NATIONAL STANDARDS INSTITUTE)
- b. ANSI (AMERICAN SOCIETY FOR TESTING MATERIALS)
- c. ETL (ELECTRICAL TESTING LABORATORY)
- d. IEC (INTERNATIONAL ELECTROTECHNICAL COMMISSION)
- e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
- f. NFPA (NATIONAL BOARD OF FIRE UNDERWRITERS)
- g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
- h. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)
- i. NIB (NATIONAL INSTITUTE OF BUILDING)
- j. UL (UNDERWRITERS LABORATORY)
10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO COMPLY WITH ACTING SITE CONDITIONS SO THAT ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE FOLLOWING LISTED MATERIALS SHALL BE USED:
- a. ASIM (AMERICAN NATIONAL STANDARDS INSTITUTE)
- b. ANSI (AMERICAN SOCIETY FOR TESTING MATERIALS)
- c. ETL (ELECTRICAL TESTING LABORATORY)
- d. IEC (INTERNATIONAL ELECTROTECHNICAL COMMISSION)
- e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
- f. NFPA (NATIONAL BOARD OF FIRE UNDERWRITERS)
- g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
- h. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)
- i. NIB (NATIONAL INSTITUTE OF BUILDING)
- j. UL (UNDERWRITERS LABORATORY)
11. THE CONTRACTOR OR SUBOR SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT41'S REPRESENTATIVE OF ANY DISCREPANCIES OR OMISSIONS IN THE DRAWINGS, PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN PROTECTED.
- B. WIRING/CONDUIT
1. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREES) EXIST IN A CONDUIT RUN.
2. ALL POWER AND CONDUIT/INDICATION WIRING SHALL BE TYPE THW/THHN, 600V, RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.

3. SCHEDULE 40 PVC CONDUIT SHALL BE USED ABOVE GROUND. WHERE ABOVE GRADE IS DEFINED AS THE GROUND OF THE TURN-UP.
 4. BELL END OR TERMINAL ADAPTER MUST BE INSTALLED ON END OF PVC CONDUIT PER NRC 352.42, 300.4.1, (3).
 5. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NRC TABLE 346-1.0. NO RIGHT ANGLE BENDS OTHER THAN STANDARD CONDUIT ELBOWS WITH 1/2" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.
 6. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.
 7. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE. ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.
 8. PHASE MARKINGS TO BE USED AT POWER CONDUCTOR TERMINATIONS.
 9. CONDUCTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.
 10. INSTALL PULL STRING IN ALL CONDUIT.
 11. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE #12 AWG, UNLESS OTHERWISE NOTED. FOR RAW LAND SITES AND CO-LOCATES, PVC SCHEDULE 40 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.
 12. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.
 13. ALL WIRING ROUTED IN PLENUM TO BE RATED OR IN METALLIC FLEX (LIQUIDFILLED) CONDUIT.
- C. EQUIPMENT
1. EQUIPMENT/PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (AC, V, A) OF THAT EQUIPMENT.
 2. ALL ELECTRICAL EQUIPMENT OUTS/CS SHALL BE NEMA OR 3R RATED.
- D. GROUNDING
1. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.
 2. ALL EQUIPMENT SURFACES TO BE BONDING TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO CAUSE A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.
 3. ANY METALLIC ITEM WITHIN 6' OF GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM.
 4. EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE TURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDE COMPOUND.
 5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
 6. EXACT LOCATION OF GROUND CONNECTION POINTS SHALL BE DETERMINED IN FIELD. ADJUST LOCATIONS INDICATED ON PLANS ACCORDING TO ACTUAL EQUIPMENT LOCATIONS TO KEEP THE GROUND CONNECTION CABLES AS SHORT AS PRACTICAL.
 7. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. BONDING JUMPIERS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACKWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.
 8. ALL EQUIPMENT GROUND CONDUCTIONS SHALL BE TIN COATED, #2 AWG COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS.
 9. PROVIDE PRE AND POST GROUNDING TEST RESULTS. USING CLAMP-ON TESTER. TEST RESULTS SHALL BE PHOTOS WITH DIGITAL TIME AND GPS STAMPEDE/RECORDED.
- E. INSPECTION/DOCUMENTATION
1. THE CONTRACTOR, UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS BUILT DRAWINGS INFORMATION SHOWN TO BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THE OWNER.
 2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEMS RECEIPT (MAX. 5 ONES).
 3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AND INSPECTING AGENCY APPROVED BY AHTS REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.
 4. CONTRACTOR SHALL HAVE AHTS AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT ALL LISTING FOR THAT EQUIPMENT IS NOT VOIDED.



CONSULTANT:

GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
101 STATION DR
WESTWOOD, MA 02090

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 Illinois.



DATE	DESCRIPTION	AMOUNT	CHECK NO.	DATE	DESCRIPTION	AMOUNT	CHECK NO.
12/13/2022	FINAL						

PURCELLVILLE
FA ID # 10004917

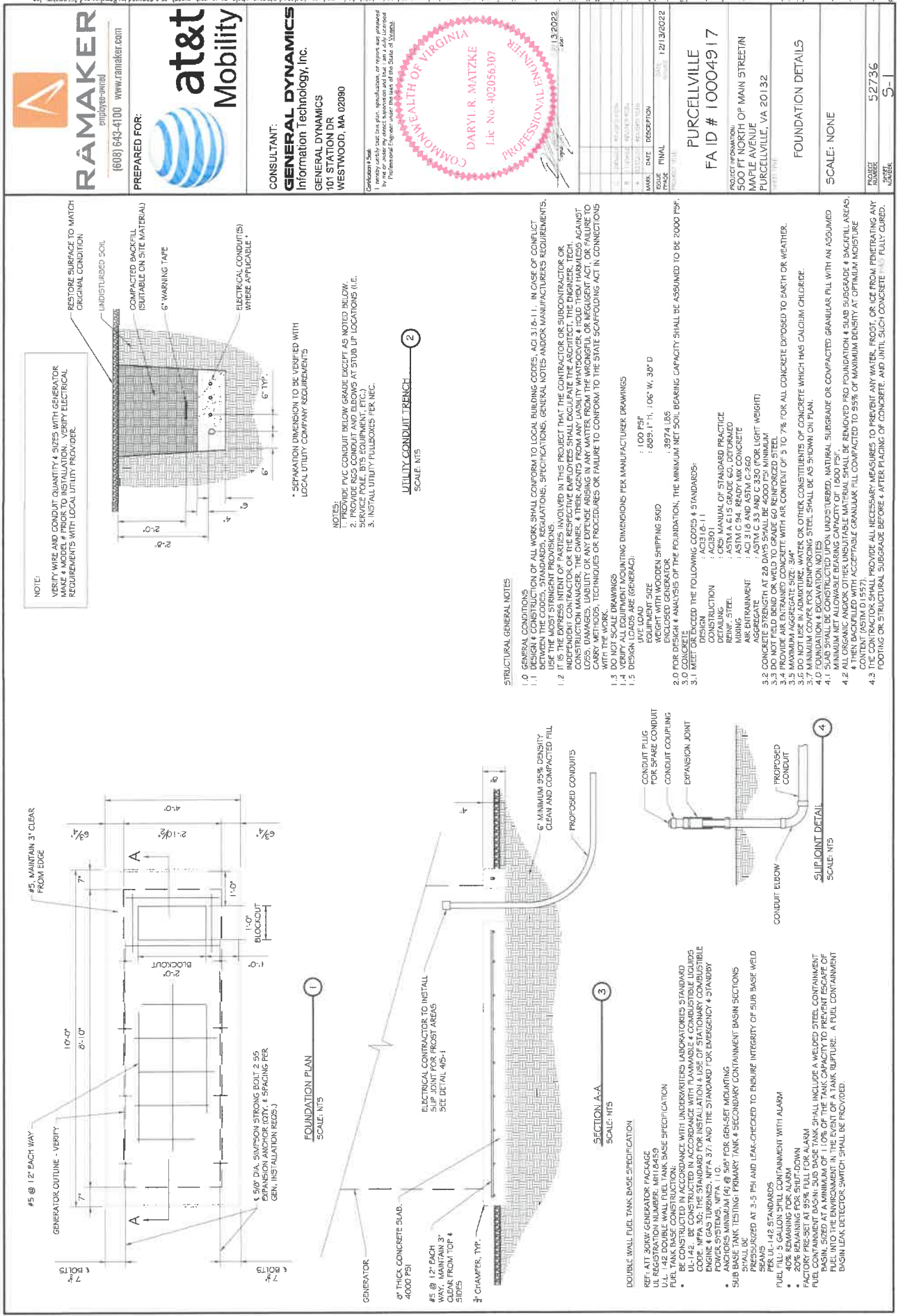
PROJECT INFORMATION:
500 FT NORTH OF MAIN STREET IN
MAPLE AVENUE
PURCELLVILLE, VA 20132

GENERAL NOTES

SCALE: NONE

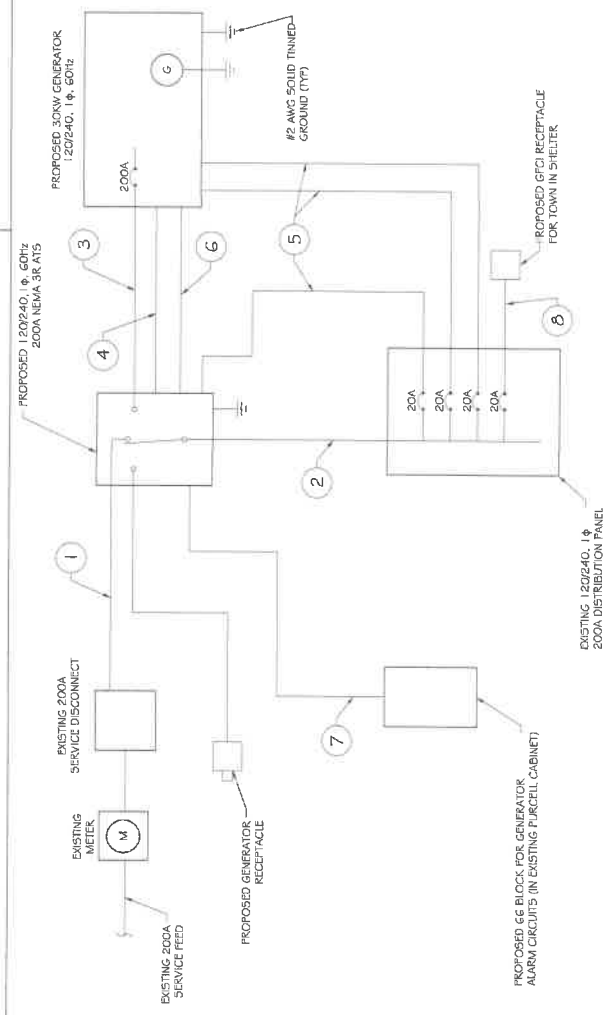
PROJECT NUMBER	52736
SUBJECT NUMBER	N-1





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 A15 (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/0	(1) #4	2"	POWER FEEDER FROM A15 TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	EMERGENCY POWER FEEDER TO A15
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10	1"	START CIRCUIT
5	LOAD CENTER (DISTRIBUTION CENTER)	GENERATOR, A15	(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 A15
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	12 PAIR 24 AWG OR 25A G-PAIR 2-PAIR	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY A14T TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	24 AWG OR 25A G-PAIR CUT	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG RUN TO ALARM BLOCK. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY A14T TECH. LABEL ALL WIRES
8	LOAD CENTER (DISTRIBUTION CENTER)	PROPOSED RECEPTACLE	(2) #12	(1) #12	1"	CIRCUIT FOR TOWNS RADIO

CIRCUIT DETAIL
SCALE: NTS



PROPOSED WIRING DIAGRAM

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

*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART 2

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CONSULTANT: GENERAL DYNAMICS Information Technology, Inc. GENERAL DYNAMICS 101 STATION DR WESTWOOD, MA 02090		
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 Wisconsin.		
		
ISSUE	FINAL	DATE DESCRIPTION
PROJECT TITLE		
PURCELLVILLE FA ID # 10004917		
PROJECT INFORMATION: 500 FT NORTH OF MAIN STREET MAPLE AVENUE PURCELLVILLE, VA 20132		
WIRING DETAILS		
SCALE: NONE		
PROJECT NO.	DATE	52736 E-I

- | | |
|---|---|
| 1 | CONDUIT (TYP) |
| 2 | BUTTERFLY CLAMP |
| 3 | EXISTING WALL/C |
| 4 | VERTICAL "UNIS
LENGTH BASED
CONDUIT TO BE |

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

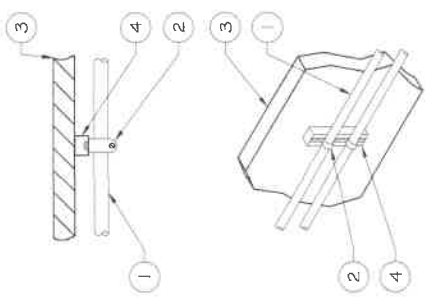
NOTE: USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT & CONNECTIONS OF CHANNELS SPACE UNITS @ 5'-0" O.C. LENGTH OF RUN

CONDUIT WALL MOUNT —

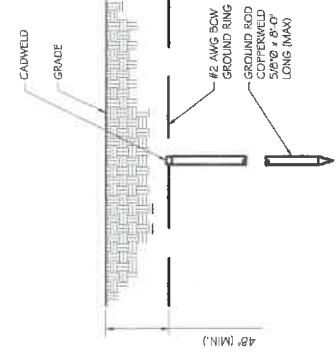
WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILT HIT-20 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILT HIT-15G WITH SCREEN MINIMUM EMBEDMENT 2-1/2"

NOTE:

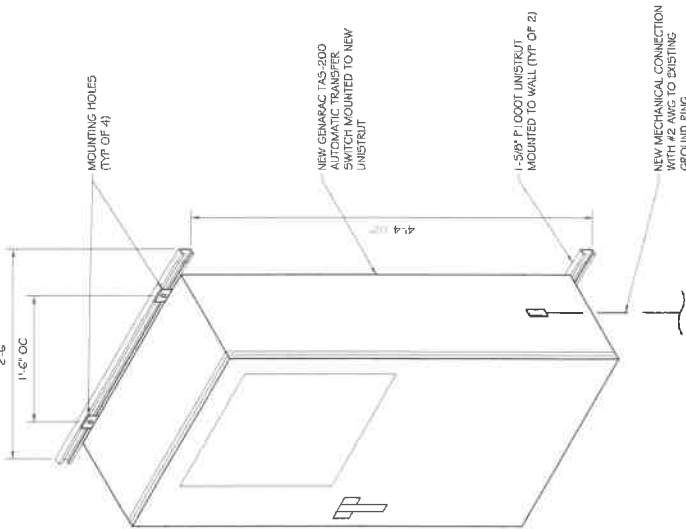
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS
2. ALL PENETRATIONS INTO OR THROUGH SHELTER WALL GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL



GROUND ROD DETAIL
SCALE: NTS



- NOTE: GROUND RODS MAY BE:
 - COPPER CLAD STEEL
 - SOLID COPPER
- GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF GROUND ROD FOR VERIFICATION AS
- A LARGER CONDUCTOR SHALL BE REQUIRED TO AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL
- GROUND RODS INSTALLED WITHIN CLOSURE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2000 OHM-CM, SHALL BE GALVANIZED TO PREVENT CORROSION OF TOWER.
- (SEE ANSIVIA BA-222-G) PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR.



3
GENERAC AT5 MOUNTING DETAIL
SCALE: NTS

[illegible]

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PREPARED FOR:		
CONSULTANT: GENERAL DYNAMICS Information Technology, Inc. GENERAL DYNAMICS 101 STATION DR WEST WOOD, MA 02090		
Consent to Use I hereby certify that the plans, specifications, or reports herein were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Virginia.		
		
<i>[Signature]</i> DARYL R. MATZKE License No. 402056307 PROFESSIONAL ENGINEER COMMONWEALTH OF VIRGINIA		
12/13/2022 Date		
PROJECT TITLE		
PROJECT INFORMATION:		
500 FT NORTH OF MAIN STREET MAPLE AVENUE PURCELLVILLE, VA 20132		
AT5, CONDUIT & GROUND ROD DETAILS		
SCALE: NONE		
PROJECT NUMBER: 52736 DRAWING NUMBER: E-3		

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Standby Emergency

GENERAC | INDUSTRIAL

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Critical Starter (Open Set Only)
- Remote Alarm Sound
- Level 1 Fan and Belt Guards (Open Set Only)

FUEL SYSTEM

- MFT Flexible Fuel Line

ELECTRICAL SYSTEM

- 16A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternate: Upgrading
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- Extended Factory Testing
- 8 Position Load Center
- Full Vibration Isolation

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Installation Ball Valves
- Rigid Crankshaft Pan

CONTROL SYSTEM

- Spares Input (4) / Outputs (4)
- Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Break Glass-Type, Flush Mount)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Break Glass-Type, Flush Mount)
- 100 Oil Alarm Horn
- Ground Fault Ammeter
- 120V GFCI and 240V Outlets
- Remote Communication - Modem
- 10A Engine Run Relay

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Mechanical Dampers
- Steel Enclosure
- Aluminum Enclosure

- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosures Lighting Kit
- Door Alarm Switch
- Enclosure Heaters
- Emergency Alarm Contacts

WARRANTY (Standby Generators Only)

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

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing

FUEL TANKS

- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks
- Vent Exhausts

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Standby Emergency

GENERAC | INDUSTRIAL

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General	
Make	Perkins
EPA Emission Compliance	Interim Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - cu (L)	136 (12.22)
Stroke - in (mm)	5.5 (140)
Compression Ratio	23.2:1
Intake Air System	Turbocharged
Engine Head	Cast Iron
Valve Type	Overhead
Crankshaft Type	Forged Steel
Engine Governing	
Governor	Electronic Isochronous
Frequency Regulation (standby) (%)	±0.5%
Load/Unload Cycle/Min	60/Sec
Oil Pump Type	Gear
Oil Filter Type	Full-Flow
Crankcase Capacity - qt (L)	17.2 (16.6)

Cooling System	
Cooling System Type	Closed Recirculation
Water Pump Type	Pre-Loaded, Self-Sealing
Fan Type	Forward
Fan Speed - RPM	1,850
Fan Diameter - in (mm)	18 (467)
Fuel System	
Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtration (Microns)	3
Fuel Inject Pump	Injection System Pump
Fuel Pump - psi	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply - psi - 30 (mm)	0.3 (17.6) ID
Fuel Return Line - psi (mm)	0.2 (4.9) ID
Engine Electrical System	
System Voltage	12 VDC
Battery Charge Alternator	Standard
Battery Start	See Battery Pack & Cell Voltage
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	
Model	4000S12421
Phase	4
Rated Type	Revolving
Insulation Class - Motor	F
Insulation Class - Stator	H
Total Harmonic Distortion	4.5% at P _{rated}
Temperature Rise (motor) - °C (°F)	< 50

Standard Foundation	
Sealing	Butterfly
Coilings	Steel Scales
Load Capacity - Overall	Base & Pad (lb)
Mounting Bolt Overall Dia	100%
Frame Protection Type	Steel
Frame at Ground Plane	Steel
Regulation Accuracy (standby) (%)	±0.25%

2 of 6

1 of 6

SPEC SHEET

GENERAC 30kW GENERATOR SPECIFICATIONS

SCALE: NTS



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PREPARED FOR:



CONSULTANT:
GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
101 STATION DR
WESTWOOD, MA 02090

Drawn by: MKR

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DATE: 5.2.22

C	PROJECT	5000S12421
A	DATE	05-05-2022
M	DATE	DESCRIPTION
REV	DATE	DESCRIPTION

PURCELLVILLE
FA ID # 10004917

PROJECT INFORMATION:
500 FT NORTH OF MAIN STREET IN
MAPLE AVENUE
PURCELLVILLE, VA 20132

GENERAC 30kW GENERATOR
SPECIFICATIONS

SCALE: NONE

52736
E-4.1

TTS Series Switches

200 Amps
600 VAC

GENERAC INDUSTRIAL

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
- Carlock functionality for mobile generator sources

Codes and Standards

Generac products are designed to the following standards:

UL LISTED

NEMA 250

UL 1008, UL 1009, UL 50, CSA C22.2 No. 178

NEC 700, 701 and 702

- 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

- Optional Features
- EXTENDED WARRANTY
 - THREE-PHASE VOLTAGE CONFIGURATIONS

Application and Engineering Data

Cabinet Specifications	
Dimensions	24"W x 17"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-ULUS Listed - Automatic Transfer Switch	
Stainless Steel Hardware	
3-Point Latching System with Pad-Lockable Handles	
Mounting Options	
Wall	
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	Extron 200 amp Utility Breaker Extron 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25K AC Rated
Predictive Device Continuous Rating (Main Amps)	200
Input (to Generator)	350MCM - #6 AWG
Generator Alternator Connector	350MCM - #6 AWG Deutsch DTN04-1274-1012
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

Cabinet 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	



and/or associated
(603) 643-4100 www.ramaker.com

PREPARED FOR:

CONSULTANT:
GENERAL DYNAMICS
Information Technology, Inc.
GENERAL DYNAMICS
101 STATION DR
WESTWOOD, MA 02090

COMMONWEALTH OF VIRGINIA
DARYL R. MATZKE
Lic No. 402050307
PROFESSIONAL ENGINEER

USE: FINAL
PROJECT: 112132022

DATE: 12/13/22

DATE: 12/13/22

PROJECT INFORMATION:
500 FT NORTH OF MAIN STREET/N
MAPLE AVENUE
PURCELLVILLE, VA 20132

SCALE: NONE

NUMBER: 52736
REVISION: E-5

PROJECT INFORMATION:
500 FT NORTH OF MAIN STREET/N
MAPLE AVENUE
PURCELLVILLE, VA 20132

SCALE: NONE

NUMBER: 52736
REVISION: E-5

