

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: Jessie Brink
Its: Regional Tech Value Mgr
Date: 4/16/23

LESSEE ACKNOWLEDGEMENT

STATE OF Maryland)
COUNTY OF Baltimore City)ss:

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: Sheri Sue
My Commission Expires: 05/06/2023

LESSOR ACKNOWLEDGEMENT

INDIVIDUAL ACKNOWLEDGEMENT

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 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 Test Under Seal

Date: 4/16/23

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

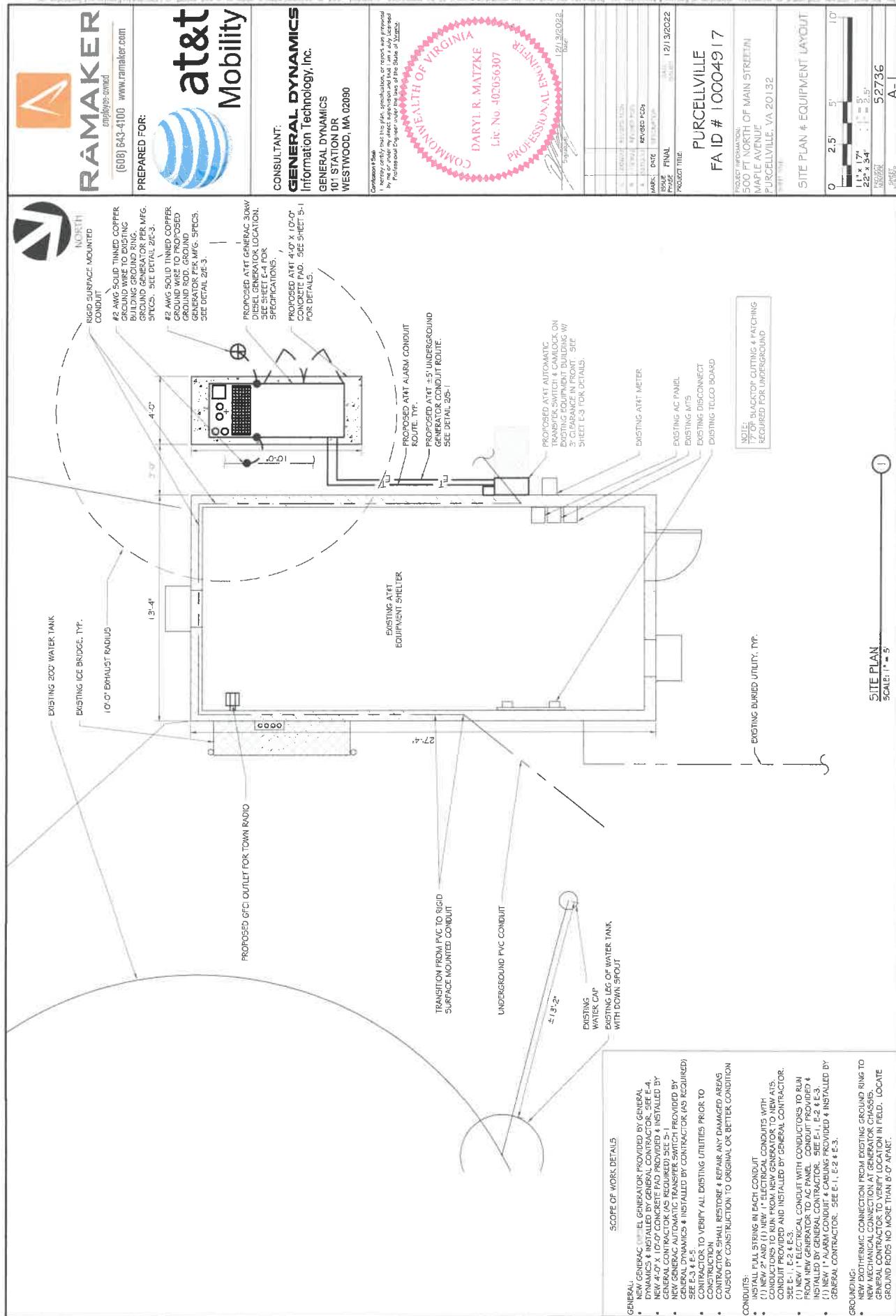
DESCRIPTION OF PREMISES

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:

<p>NOTES TO SUBCONTRACTORS:</p> <p>1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS MANUFACTURED IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.</p> <p>2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN CONCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK, AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.</p> <p>3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMMITTED TO THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.</p> <p>4. CONSTRUCTION SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT WORK ON THE PROJECT, AND CONTRACTOR TO ASSUME LIABILITY FOR ANY DAMAGE, IN WHOLE OR IN PART, CAUSED BY THE NEGLIGENCE, CARELESSNESS, OR UNREASONABLE RISK TAKING OF ANY PERSONS, EQUIPMENT, MATERIALS, OR CONSTRUCTION METHODS USED IN THE PERFORMANCE OF THE WORK.</p> <p>5. SITE GROUNDING SHALL COMPLY WITH AT&T WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE TOWER, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THAN THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE COMMENCEMENT OF WORK.</p> <p>6. ALL MORE SHALL COMPLY WITH CGHM AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXAMINERS, CONTRACTORS, AND OTHER PERSONNEL SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MAKING IT REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA) IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO MANTAIN ELECTRICAL SERVICE FACILITIES, IF EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSES ON WRITING A STANDING DATE, TIME, ETC. IN SUFFICIENT TIME AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE, WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.</p> <p>7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES.</p> <p>8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE. TO THE SATISFACTION OF THE LANDOWNER, AND THE ENGINEER.</p> <p>9. THE COMPUTER BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SUBCONTRACTOR'S RESPONSIBILITY FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.</p> <p>10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.</p> <p>11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DAMAGE ON THE SITE AT ALL TIMES. THE PROPERTY OWNER SHALL MAINTAIN ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES AND DAMAGE TO ADJACENT PROPERTIES WILL BE ADVISED BY THE SUBCONTRACTOR'S EXPENSE.</p> <p>12. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.</p> <p>13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BIO-EARTHWORK AND UNSUARABLE MATERIAL SHALL BE DISPOSED OFF-SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISposal.</p> <p>14. PERIODIC AND MALCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER CONVENTION OF THE SITE DEVELOPMENT. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAIN AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.</p> <p>15. PERMITS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.</p> <p>16. RECORD DRAWINGS, MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN DRAWINGS WHICH IS SPECIFIED AND INDIVIDUAL RECORD CHANGES ON A CONSISTENT BASIS TO DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONTRACTOR UPON COMPLETION OF THE PROJECT.</p> <p>17. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES ABOVE GROUND STRUCTURES THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR 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 SUBCONTRACTOR'S EXPENSE.</p> <p>GENERAL NOTES:</p> <p>1. THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A CONCRETE PAD TO AN EXISTING UNMANAGED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELF AND TOWER.</p> <p>2. THE PROPOSED FACILITY WILL BE UNMANAGED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.</p> <p>3. THE PROPOSED FACILITY IS UNMANAGED AND IS NOT FOR HUMAN HABITAT. NO HANDICAP DEGREES CLOSURE, UNLESS NOTED OTHERWISE.</p>		<p>ACCESS IS REQUIRED.</p> <p>4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.</p> <p>5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.</p> <p>6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PRODUCT SPECIFICATIONS.</p> <p>7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.</p> <p>8. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.</p> <p>9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.</p> <p>ELECTRICAL NOTES:</p> <p>A. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.</p> <p>B. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE AT&T AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.</p> <p>C. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED.</p> <p>D. LUMINIFEROUS ELECTRICAL SERVICE TO BE INSTALLED EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION ON THE PROPERTY. CONTRACTOR SHALL PREPARE DOCUMENTS TEMPORARY EQUIPMENT NAMES AND WHEREVER USE IS NECESSARY, LIST THE NECESSARY EQUIPMENT TO MAINTAIN ELECTRICAL SERVICE TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME. SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSES ON WRITING A STANDING DATE, TIME, ETC. IN SUFFICIENT TIME AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE, WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.</p> <p>E. COORDINATE NEW WORK WITH OTHER TRADES AND REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.</p> <p>F. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED BY THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.</p> <p>G. COORDINATE NEW WORK WITH OTHER TRADES AND REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.</p> <p>H. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.</p> <p>I. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EACH EQUIPMENT LOCATION AND ACTUAL EQUIPMENT LOCATIONS AND ACTUAL EQUIPMENT LOCATIONS AND DIRECTIONS FROM ART'S REPRESENTATIVE.</p> <p>J. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.</p> <p>K. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE STANDARDS REFERENCED BELOW:</p> <ul style="list-style-type: none"> a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE) b. ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS) c. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS) d. ICA (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS) e. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) f. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION) g. UL (UNDERWRITERS LABORATORY) <p>L. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DRIVES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTINGS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN ASCOT FOR MATERIAL COUNT AND QUANTITIES BASED ON ACTUAL SITE CONDITIONS. CONTRACTOR SHALL MAINTAIN A RECORD OF ALL MATERIALS USED TO INSTALL EQUIPMENT PURCHASED BY ART ON THE PROPERTY. CONTRACTOR SHALL MAINTAIN ALL ITEMS NOT SPECIFICALLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.</p> <p>M. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEMS RECEIPT (MAX 5 OHMS).</p> <p>N. THE CONTRACTOR OR BUILDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) ART'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTOR'S 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.</p> <p>O. ALL FLUIDS WHICH PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CONE DRILLED AND THEN REPROOFED.</p> <p>P. WIRING/CONDUIT</p> <ul style="list-style-type: none"> 1. PROVIDE FULL BOLES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) EXIST IN A CONDUIT RUN. 2. ALL POWER AND CONTROL/COMMUNICATION WIRING SHALL BE TYPE THHN/TW DOOR RATED 75 DEGREES CLOSURE, UNLESS NOTED OTHERWISE. 	
<p>3. SCHEDULE 50 PVC CONDUIT SHALL BE USED ABOVE GROUND, WHERE ABOVE GRADE IS 3' BEHIND THE GROUND LINE OF THE TURN-UP.</p> <p>4. BEHIND OR TERMINAL AREA/TERMINAL AREA MUST BE INSTALLED ON END OF PVC CONDUIT PER NEC 352.4G, 300.4 & 13.</p> <p>5. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.</p> <p>6. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.</p> <p>7. ALUMINUM BELL COPPER ALUMINUM WILL NOT BE ACCEPTABLE. ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.</p> <p>8. PHASE MARGINS TO BE USED AT POWER CONDUCTOR TERMINATIONS.</p> <p>9. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.</p> <p>10. INSTALL PULL STRING IN ALL CONDUIT.</p> <p>11. FOR ROOF TOPS, INSTALL AND BUILD OUT CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE ROOF INSULATED, STRIPPED FOR RAW RAIL STUDS, AND C-LOCATED, PVC SCHEDULE 50 SHALL BE UTILIZED UNLESS NOT OTHERWISE.</p> <p>12. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.</p> <p>13. ALL WIRING ROUTED IN PLenum TO BE RATED OR IN METALLIC FLEX (LIQUIDtight) CONDUIT.</p> <p>C. EQUIPMENT</p> <ul style="list-style-type: none"> 1. EQUIPMENT TRANTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (AC, V, A) OF THAT EQUIPMENT. 2. ALL ELECTRICAL EQUIPMENT OUTSIDE SHALL BE NEMA OR SR RATED. 3. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS. 4. EXTRIOR ABOVE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTHOCIDE COMPOUND. 5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED IN THE DRAWINGS SHALL BE BILLED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED. 6. DRACT 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 5/151MA AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. THESE GROUNDS SHALL BE INSTALLED ON ALL RACOON ETC. EQUIPMENT, FULL BOXES, ETC. TO MAIN GROUND CONDUCTOR WHERE REQUICED BY CODE. 8. ALL EQUIPMENT GROUND CONDUCTORS SHALL BE TIN COATED, #12 AWG COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS. 9. PROVIDE FREE AND POST GROUND TEST RESULTS, USING CLAMP-ON TESTER. TEST RESULTS SHALL BE PHOTOS WITH DIGITAL TIME AND GPS STAMPED/EMBEDDED. <p>E. INSPECTION DOCUMENTATION</p> <ul style="list-style-type: none"> 1. THE CONTRACTOR UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS-BUILT DRAWINGS, INFORMATION SHOULD BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THEM OWNER. 2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEMS RECEIPT (MAX 5 OHMS). 3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AND INSPECTING AGENCY APPROVED BY ART'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL. 4. CONTRACTOR SHALL HAVE AT&T AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT LISTING FOR THAT EQUIPMENT IS NOT VOIDED. 		<p>GENERAL NOTES</p> <p>SCALE: NONE</p> <p>52736 N-1</p>	



SCOPE OF WORK DETAILS

GENERAL:
NEW GENERAC 30kW EL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR. SEE E-4.
NEW 4'-0" X 10'-0" 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-5.
GENERAL CONTRACTOR SHALL VERIFY ALL POSTING UTILITIES PRIOR TO CONSTRUCTION.
GENERAL CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION CONDUITS:
INSTALL PULL STRING IN EACH CONDUIT.
• (1) NEW 2" AND (1) NEW ELECTRICAL CONDUITS WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO NEW AT&T CONDUIT. CONDUITS PLACED AND INSTALLED BY GENERAL CONTRACTOR.
• (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
• (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
• NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS.
GENERAL CONTRACTOR TO LEVEL CONSTRUCTION SITE.
GENERAL CONTRACTOR TO LOCATE GROUND RODS NO MORE THAN 8'-0" APART.

AC Distribution Panel - Layout Diagram						
Breaker Position	Breaker Type	On/Off	Size	Circuit Label	Type	Position
1	2P	ON	30	RECTIFIER 1	2P	ON
3	2P	ON	30	RECTIFIER 2	4	ON
5	2P	ON	30	RECTIFIER 3	6	ON
7	2P	ON	30	RECTIFIER 5	8	ON
9	2P	ON	30	RECTIFIER 10	10	ON
11	1P	ON	20	LIGHTS	12	ON
13	1P	ON	20	EXT. LIGHTS	14	ON
15	1P	ON	20	SPARE	16	ON
17	1P	ON	60	A/C	18	ON
19	2P	ON	60	POWER FAR RELAY	20	ON
21	2P	ON	60	2 RECTIFIER 7	21	ON
23	2P	ON	30	2 RECTIFIER 1	24	ON
25	2P	ON	30	GPS24/24 RECTIFIER 1	26	ON
27	2P	ON	30	GPS24/24 RECTIFIER 2	28	ON
29	2P	ON	30	GPS24/24 RECTIFIER 3	29	ON
31	2P	ON	30	RECTIFIER #11	32	ON
33	2P	ON	30	RECTIFIER #12	34	ON
35	2P	ON	30	RECTIFIER #13	36	ON
37	2P	ON	30	RECTIFIER #14	38	ON
39	1P	ON	20	BATTERY CHARGER	40	ON
41	1P	ON	20	BLOCK HEATER	42	ON

PROPOSED 20A BREAKERS FOR A/C, BLOCK HEATER, BATTERY CHARGER AND GFCI OUTLET ON NEW A/C GENERATOR

EXISTING PANEL SCHEDULE

SCALE: 1/16

1

OUTER WALL PENETRATION DETAIL (IF APPLICABLE)

SCALE: 1/2

NOTE:
1. IF EXISTING CONSTRUCTION VARIES
FROM THIS DETAIL, AN EQUAL 3-HR
UL PENETRATION APPROPRIATE FOR
THE EXISTING WALL TYPE SHALL BE
CONSTRUCTED.
2. CC SHALL USE NON-SSTRUNG CAULK
TO WEATHERSEAL PENETRATIONS
INTO OR THRU SHELTER WALL.

2

U.L. SYSTEM NO. CAL1150
FLOOR THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. 11902
T RATING = 3 HR
T RATING = 0 HR

1. FLOOR OR WALL ASSEMBLY: MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR
ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIAMETER OF CIRCUIT 4". SEE
CIRCUIT LOCATOR PLATE IN THE PRE-RESISTANCE DIRECTOR FOR NAMES
OF AVAILABLE LOCATORS.

2. ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY, THE ANNUAL SPACE SHALL BE
MINIMUM 0". (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES
OF METALIC 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) SCHEDULE 40 (OR HEAVIER)

3. CONDUIT - NOMINAL 1-1/2" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC
TUBING (EMT).

4. PAGING MATERIAL: MASONRY & THICKNESS OF MIN. 4-1/2" CLP MINERAL WOOL Battings
INSTALLED TO BE SECURED FROM TOP SURFACE OF FLOOR OR WALL TO BOTH SURFACES
OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL.

5. MATERIAL APPLIED WITHIN THE ANNUAL 1/2" DIAMETER BED OF FLOOR MATERIAL SHALL BE APPLIED AT
CONCRETE, A MINIMUM 1/2" THICKNESS BETWEEN FLOOR AND SURFACE OF FLOOR OR WALL
WITH BOTH SURFACES OF WALL AT THE POINT OF CONTACT LOCATION BETWEEN FLOOR AND
THE CONCRETEPIPE INTERFACE ON THE TOP SURFACE OF FLOOR OR WALL SO THAT
MATERIAL IS APPLIED TO BOTH SURFACES OF WALL.

6. FILL, VOID, OR CAVITY MATERIAL: SEALANT: MINIMUM 1/4" THICKNESS OF FILL
HILTI CONSTRUCTION CHEMICALS, DIV. OF HILTI INC., : CPSG15, CPSG24, CPSG30, OR PS-ONE
SEALANT.

7. BEARING THE U.L. CLASSIFICATION MARK

8

CONDUIT THROUGH DETAIL

1. If any part of this specification or report was prepared
by a party which has been suspended or has lost its license
to practice engineering or architecture in the State of Virginia,
or if any of the professional engineer's signature is forged,
the entire document is hereby rejected.

2. Date: 12/31/2022

3. CONTRACTOR: To utilize next available in
sequence single breaker position for
generator, battery charger, battery heater
and block heater

4. SCALE: 1/16

5. DATE: 12/31/2022

6. DESCRIPTION: U.L. SYSTEM NO. CAL1150

7. PRODUCT: U.L. DESIGN NO. 11902

8. PURCELLVILLE

9. FA ID #: 10004917

10. ADDRESS: 500 FT NORTH OF MAIN STREET
PURCELLVILLE, VA 20132

11. PANEL AND PENETRATION DETAILS

12. SCALE: NONE

13. E-2

14. APPROVED:

15. APPROVED:

16. APPROVED:

17. APPROVED:

18. APPROVED:

19. APPROVED:

20. APPROVED:

21. APPROVED:

22. APPROVED:

23. APPROVED:

24. APPROVED:

25. APPROVED:

26. APPROVED:

27. APPROVED:

28. APPROVED:

29. APPROVED:

30. APPROVED:

31. APPROVED:

32. APPROVED:

33. APPROVED:

34. APPROVED:

35. APPROVED:

36. APPROVED:

37. APPROVED:

38. APPROVED:

39. APPROVED:

40. APPROVED:

41. APPROVED:

42. APPROVED:

43. APPROVED:

44. APPROVED:

45. APPROVED:

46. APPROVED:

47. APPROVED:

48. APPROVED:

49. APPROVED:

50. APPROVED:

51. APPROVED:

52. APPROVED:

53. APPROVED:

54. APPROVED:

55. APPROVED:

56. APPROVED:

57. APPROVED:

58. APPROVED:

59. APPROVED:

60. APPROVED:

61. APPROVED:

62. APPROVED:

63. APPROVED:

64. APPROVED:

65. APPROVED:

66. APPROVED:

67. APPROVED:

68. APPROVED:

69. APPROVED:

70. APPROVED:

71. APPROVED:

72. APPROVED:

73. APPROVED:

74. APPROVED:

75. APPROVED:

76. APPROVED:

77. APPROVED:

78. APPROVED:

79. APPROVED:

80. APPROVED:

81. APPROVED:

82. APPROVED:

83. APPROVED:

84. APPROVED:

85. APPROVED:

86. APPROVED:

87. APPROVED:

88. APPROVED:

89. APPROVED:

90. APPROVED:

91. APPROVED:

92. APPROVED:

93. APPROVED:

94. APPROVED:

95. APPROVED:

96. APPROVED:

97. APPROVED:

98. APPROVED:

99. APPROVED:

100. APPROVED:

101. APPROVED:

102. APPROVED:

103. APPROVED:

104. APPROVED:

105. APPROVED:

106. APPROVED:

107. APPROVED:

108. APPROVED:

109. APPROVED:

110. APPROVED:

111. APPROVED:

112. APPROVED:

113. APPROVED:

114. APPROVED:

115. APPROVED:

116. APPROVED:

117. APPROVED:

118. APPROVED:

119. APPROVED:

120. APPROVED:

121. APPROVED:

122. APPROVED:

123. APPROVED:

124. APPROVED:

125. APPROVED:

126. APPROVED:

127. APPROVED:

128. APPROVED:

129. APPROVED:

130. APPROVED:

131. APPROVED:

132. APPROVED:

133. APPROVED:

134. APPROVED:

135. APPROVED:

136. APPROVED:

137. APPROVED:

138. APPROVED:

139. APPROVED:

140. APPROVED:

141. APPROVED:

142. APPROVED:

143. APPROVED:

144. APPROVED:

145. APPROVED:

146. APPROVED:

147. APPROVED:

148. APPROVED:

149. APPROVED:

150. APPROVED:

151. APPROVED:

152. APPROVED:

153. APPROVED:

154. APPROVED:

155. APPROVED:

156. APPROVED:

157. APPROVED:

158. APPROVED:

159. APPROVED:

160. APPROVED:

161. APPROVED:

162. APPROVED:

163. APPROVED:

164. APPROVED:

165. APPROVED:

166. APPROVED:

167. APPROVED:

168. APPROVED:

169. APPROVED:

170. APPROVED:

171. APPROVED:

172. APPROVED:

173. APPROVED:

174. APPROVED:

175. APPROVED:

176. APPROVED:

177. APPROVED:

178. APPROVED:

179. APPROVED:

180. APPROVED:

181. APPROVED:

182. APPROVED:

183. APPROVED:

184. APPROVED:

185. APPROVED:

186. APPROVED:

187. APPROVED:

188. APPROVED:

189. APPROVED:

190. APPROVED:

191. APPROVED:

192. APPROVED:

193. APPROVED:

194. APPROVED:

195. APPROVED:

196. APPROVED:

197. APPROVED:

198. APPROVED:

199. APPROVED:

200. APPROVED:

201. APPROVED:

202. APPROVED:

203. APPROVED:

204. APPROVED:

205. APPROVED:

206. APPROVED:

207. APPROVED:

208. APPROVED:

209. APPROVED:

210. APPROVED:

211. APPROVED:

212. APPROVED:

213. APPROVED:

214. APPROVED:

215. APPROVED:

216. APPROVED:

217. APPROVED:

218. APPROVED:

219. APPROVED:

220. APPROVED:

221. APPROVED:

222. APPROVED:

223. APPROVED:

224. APPROVED:

225. APPROVED:

226. APPROVED:

227. APPROVED:

228. APPROVED:

229. APPROVED:

230. APPROVED:

231. APPROVED:

232. APPROVED:

233. APPROVED:

234. APPROVED:

235. APPROVED:

236. APPROVED:

237. APPROVED:

238. APPROVED:

239. APPROVED:

240. APPROVED:

241. APPROVED:

242. APPROVED:

243. APPROVED:

244. APPROVED:

245. APPROVED:

246. APPROVED:

247. APPROVED:

248. APPROVED:

249. APPROVED:

250. APPROVED:

251. APPROVED:

252. APPROVED:

253. APPROVED:

254. APPROVED:

255. APPROVED:

256. APPROVED:

257. APPROVED:

258. APPROVED:

259. APPROVED:

260. APPROVED:

261. APPROVED:

262. APPROVED:

263. APPROVED:

264. APPROVED:

265. APPROVED:

266. APPROVED:

267. APPROVED:

268. APPROVED:

269. APPROVED:

270. APPROVED:

271. APPROVED:

272. APPROVED:

273. APPROVED:

274. APPROVED:

275. APPROVED:

276. APPROVED:

277. APPROVED:

278. APPROVED:

279. APPROVED:

280. APPROVED:

281. APPROVED:

282. APPROVED:

283. APPROVED:

284. APPROVED:

285. APPROVED:

286. APPROVED:

287. APPROVED:

288. APPROVED:

289. APPROVED:

290. APPROVED:

291. APPROVED:

292. APPROVED:

293. APPROVED:

294. APPROVED:

295. APPROVED:

296. APPROVED:

297. APPROVED:

298. APPROVED:

299. APPROVED:

300. APPROVED:

301. APPROVED:

302. APPROVED:

303. APPROVED:

304. APPROVED:

305. APPROVED:

306. APPROVED:

307. APPROVED:

308. APPROVED:

309. APPROVED:

310. APPROVED:

311. APPROVED:

312. APPROVED:

313. APPROVED:

314. APPROVED:

315. APPROVED:

316. APPROVED:

317. APPROVED:

318. APPROVED:

319. APPROVED:

320. APPROVED:

321. APPROVED:

322. APPROVED:

323. APPROVED:

324. APPROVED:

325. APPROVED:

326. APPROVED:

327. APPROVED:

328. APPROVED:

329. APPROVED:

330. APPROVED:

331. APPROVED:

332. APPROVED:

333. APPROVED:

334. APPROVED:

335. APPROVED:

336. APPROVED:

337. APPROVED:

338. APPROVED:

339. APPROVED:

340. APPROVED:

341. APPROVED:

342. APPROVED:

343. APPROVED:

344. APPROVED:

345. APPROVED:

346. APPROVED:

347. APPROVED:

348. APPROVED:

349. APPROVED:

350. APPROVED:

351. APPROVED:

352. APPROVED:

353. APPROVED:

354. APPROVED:

355. APPROVED:

356. APPROVED:

357. APPROVED:

358. APPROVED:

359. APPROVED:

360. APPROVED:

361. APPROVED:

362. APPROVED:

363. APPROVED:

364. APPROVED:

365. APPROVED:

366. APPROVED:

367. APPROVED:

368. APPROVED:

369. APPROVED:

370. APPROVED:

371. APPROVED:

372. APPROVED:

373. APPROVED:

374. APPROVED:

375. APPROVED:

376. APPROVED:

377. APPROVED:

378. APPROVED:

379. APPROVED:

380. APPROVED:

381. APPROVED:

382. APPROVED:

383. APPROVED:

384. APPROVED:

385. APPROVED:

386. APPROVED:

387. APPROVED:

388. APPROVED:

389. APPROVED:

390. APPROVED:

391. APPROVED:

392. APPROVED:

393. APPROVED:

394. APPROVED:

395. APPROVED:

396. APPROVED:

397. APPROVED:

398. APPROVED:

399. APPROVED:

400. APPROVED:

401. APPROVED:

402. APPROVED:

403. APPROVED:

404. APPROVED:

405. APPROVED:

406. APPROVED:

407. APPROVED:

408. APPROVED:

409. APPROVED:

410. APPROVED:

411. APPROVED:

412. APPROVED:

413. APPROVED:

414. APPROVED:

415. APPROVED:

416. APPROVED:

417. APPROVED:

418. APPROVED:

419. APPROVED:

420. APPROVED:

421. APPROVED:

422. APPROVED:

423. APPROVED:

424. APPROVED:

425. APPROVED:

426. APPROVED:

427. APPROVED:

428. APPROVED:

429. APPROVED:

430. APPROVED:

431. APPROVED:

432. APPROVED:

433. APPROVED:

434. APPROVED:

435. APPROVED:

436. APPROVED:

437. APPROVED:

438. APPROVED:

439. APPROVED:

440. APPROVED:

441. APPROVED:

442. APPROVED:

443. APPROVED:

444. APPROVED:

445. APPROVED:

446. APPROVED:

447. APPROVED:

448. APPROVED:

449. APPROVED:

450. APPROVED:

451. APPROVED:

452. APPROVED:

453. APPROVED:

454. APPROVED:

455. APPROVED:

456. APPROVED:

457. APPROVED:

458. APPROVED:

459. APPROVED:

460. APPROVED:

461. APPROVED:

462. APPROVED:

463. APPROVED:

464. APPROVED:

465. APPROVED:

466. APPROVED:

467. APPROVED:

468. APPROVED:

469. APPROVED:

470. APPROVED:

471. APPROVED:

472. APPROVED:

473. APPROVED:

474. APPROVED:

475. APPROVED:

476. APPROVED:

477. APPROVED:

478. APPROVED:

479. APPROVED:

480. APPROVED:

481. APPROVED:

482. APPROVED:

483. APPROVED:

484. APPROVED:

485. APPROVED:

486. APPROVED:

487. APPROVED:

488. APPROVED:

489. APPROVED:

490. APPROVED:

491. APPROVED:

492. APPROVED:

493. APPROVED:

494. APPROVED:

495. APPROVED:

496. APPROVED:

497. APPROVED:

498. APPROVED:

499. APPROVED:

500. APPROVED:

501. APPROVED:

502. APPROVED:

503. APPROVED:

504. APPROVED:

505. APPROVED:

506. APPROVED:

507. APPROVED:

508. APPROVED:

509. APPROVED:

510. APPROVED:

511. APPROVED:

512. APPROVED:

513. APPROVED:

514. APPROVED:

515. APPROVED:

516. APPROVED:

517. APPROVED:

518. APPROVED:

519. APPROVED:

520. APPROVED:

521. APPROVED:

522. APPROVED:

523. APPROVED:

524. APPROVED:

525. APPROVED:

526. APPROVED:

527. APPROVED:

528. APPROVED:

529. APPROVED:

530. APPROVED:

531. APPROVED:

532. APPROVED:

533. APPROVED:

534. APPROVED:

535. APPROVED:

536. APPROVED:

<p style="text-align: center

<p>RÂMAKER employee-owned 6088 643-4700 www.ramaker.com</p>		<p>at&t Mobility</p>									
<p>PREPARED FOR:</p>											
<p>NOTE: GROUND RODS MAY BE: 1. COPPER CLAD STEEL 2. SOLID COPPER, WALL HAVE A CONDUCTIVE COATING, TWICE THE LENGTH OF THE 25' RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE</p> <p>3. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL WHICH COULD PROMOTE TOWER CORROSION. SOIL IS AT OR BELOW 2,000 OHM-M, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER. ISE AN/EN-22-60 PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR</p> <p>5. #2 AWG 50% GROUND ROD COPPERWELD SW20 x 8'-0" (LONG MAX)</p> <p>6. GRADE CADWELD</p>											
<p>GENERAL DYNAMICS Information Technology, Inc. 101 STATION DR WESTWOOD, MA 02480</p>											
<p>Commissioner of COMMONWEALTH OF VIRGINIA DARYL R. MATZKE Lic. No. 402056307 PROFESSIONAL ENGINEER Signature Date 12/31/2022</p>											
<p>GROUND ROD DETAIL SCALE: INTS</p>											
<p>CONDUIT WALL MOUNT SCALE: INTS</p>											
<p>GENERAL ATS MOUNTING DETAIL SCALE: INTS</p>											
<p>WALL CONSTRUCTION TYPE USE</p> <table border="1"> <tr> <td>HOLLOW</td> <td>3/8" Dia. Toggle Bolt</td> </tr> <tr> <td>HOLLOW, AT STUD</td> <td>3/8" Dia. Lag Screw</td> </tr> <tr> <td>CONCRETE BLOCK (HOLLOW)</td> <td>3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"</td> </tr> <tr> <td>CONCRETE (SOLID)</td> <td>3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"</td> </tr> </table> <p>NOTE: USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS.</p> <p>1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS. 2. GC SHALL USE NON-STRETCHING CABLE TO WEATHER SEAL. ALL PUNCTURATIONS INTO OR THROUGH SHEETER WALL.</p>				HOLLOW	3/8" Dia. Toggle Bolt	HOLLOW, AT STUD	3/8" Dia. Lag Screw	CONCRETE BLOCK (HOLLOW)	3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"	CONCRETE (SOLID)	3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"
HOLLOW	3/8" Dia. Toggle Bolt										
HOLLOW, AT STUD	3/8" Dia. Lag Screw										
CONCRETE BLOCK (HOLLOW)	3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"										
CONCRETE (SOLID)	3/8" Dia. Hilti™ 150 with Screen, Minimum Embedment 2'-11"										
<p>PROJECT INFORMATION PURCELLVILLE, VA 20132 500 FT NORTH OF MAIN STREET/N MAPLE AVENUE PURCELLVILLE, VA 20132 PROJECT TIME 12/31/2022 FA ID # 10004917 DRAWN BY: BR-TB CHECKED BY: MR REVISION NUMBER E3 SHEET NUMBER 52736 DATE 10-02-2022 DRAWN BY: BR-TB CHECKED BY: MR REVISION NUMBER E3 SHEET NUMBER 52736 DATE 10-02-2022</p>											



RAMAKER

(608) 643-4100 www.ramaker.com

卷之三

The logo consists of the words "at&" stacked vertically above the word "Mobility". Below the text is the iconic blue AT&T globe graphic.

The logo consists of the words "at&" stacked vertically above the word "Mobility". Below the text is the iconic blue AT&T globe graphic.

GENEBA INSTITUTE

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

APPLICATION AND ENGINEERING DATA

CONCLUDING OPTIONS

- ENGINE SYSTEM**
 - Coolant Heater Isolation Ball Valves
 - Fuel Consumption Pan
- ALTERNATOR SYSTEM**
 - 3rd Battery System
- GENERATOR SET**
 - Special Testing
- FUEL TANKS**
 - C 112/955 Tank
 - Standard Steel Tanks
 - Specialized Fuel Tanks
 - Vent Eliminators
- CONTROL SYSTEM**
 - Spare Inputs (4)
 - Outputs (4)
 - Battery Disconnect Switch

卷之三

10

FAID # 10004917
PROJECT INFORMATION:
500 FT NORTH OF MAIN STREET IN
MAPLE AVENUE
PURCELLVILLE, VA 20132
GENERAC 30KW GENERATOR
SPECIFICATIONS
SCALE: NONE

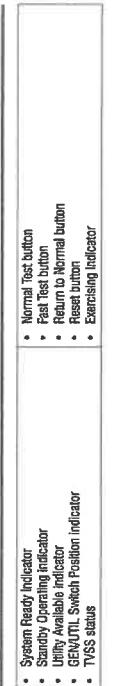
二

1
GENERAC 30KW GENERATOR SPECIFICATIONS
SCALE: NTS

Copyright 2022

 <p>RAMAKER employees owned (800) 543-4100 www.ramaker.com</p>		 <p>PREPARED FOR:</p>																																																																																							
<p>Application and Engineering Data</p> <table border="1"> <tr> <td colspan="2">Cabinet Specifications</td> </tr> <tr> <td>Dimensions</td> <td>24" W x 12" D x 48" H</td> </tr> <tr> <td>Weight</td> <td>210 lbs.</td> </tr> <tr> <td colspan="2">Single Chamber with Main Door</td> </tr> <tr> <td>Steel</td> <td>UL Type 1/NEMA 3R Rated</td> </tr> <tr> <td colspan="2">Powder Coat Finish for Corrosion Resistance</td> </tr> <tr> <td colspan="2">CE & UL Listed - Automatic Transfer Switch</td> </tr> <tr> <td colspan="2">Stainless Steel Hardware</td> </tr> <tr> <td colspan="2">3 Point Latching System with Pad-Lockable Handles</td> </tr> <tr> <td colspan="2">Wall</td> </tr> <tr> <td colspan="2">H-Frame</td> </tr> <tr> <td colspan="2">Pre-wired alarm terminal strip</td> </tr> <tr> <td colspan="2">Electrical Specifications</td> </tr> <tr> <td>Voltage/Phase/Amps</td> <td>120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A</td> </tr> <tr> <td>Breaker</td> <td>Editor 200 Amp Utility Breaker</td> </tr> <tr> <td>Maximum RMS Symmetrical Fault Current - Amps</td> <td>Editor 200 Amp Generator Breaker</td> </tr> <tr> <td>Protective Device</td> <td>25kA NC Rated</td> </tr> <tr> <td>Input AC Generation</td> <td>350NCM4 - #6 AWG</td> </tr> <tr> <td>Output AC Generation</td> <td>350NCM4 - #6 AWG</td> </tr> <tr> <td colspan="2">Deutsch DT04-12P-4W</td> </tr> <tr> <td colspan="2">Generator Run Alarm</td> </tr> <tr> <td colspan="2">Generator Fall - Shutdown Alarm</td> </tr> <tr> <td colspan="2">Generator Fall - Non Shutdown Alarm</td> </tr> <tr> <td colspan="2">Low Fuel Alarm</td> </tr> <tr> <td colspan="2">Generator Theft Alarm</td> </tr> <tr> <td colspan="2">AC Utility Fail Alarm</td> </tr> <tr> <td colspan="2">Codes and Standards</td> </tr> <tr> <td colspan="2">Generac products are designed to the following standards:</td> </tr> <tr> <td colspan="2">   UL1008, UL508, UL50, CSA C22.2 No. 178 </td> </tr> <tr> <td colspan="2">NEC 700, 701 and 702</td> </tr> <tr> <td colspan="2">Camlock Components</td> </tr> <tr> <td colspan="2">Camlock Component</td> </tr> <tr> <td colspan="2">Dimensions</td> </tr> <tr> <td colspan="2">Shipped loose for multiple installation options</td> </tr> <tr> <td colspan="2">9" W x 9.4" D x 24.25" H</td> </tr> <tr> <td colspan="2">Camlock Connectors</td> </tr> <tr> <td colspan="2">200A Camlock Generator Connection</td> </tr> <tr> <td colspan="2">NEMA</td> </tr> <tr> <td colspan="2">NEMA 250</td> </tr> <tr> <td colspan="2">Optional Features</td> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> EXTENDED WARRANTY THREE-PHASE VOLTAGE CONFIGURATIONS </td> </tr> <tr> <td colspan="4"> <p>GENERAL DYNAMICS Information Technology, Inc. GENERAL DYNAMICS 101 STATION DR WESTWOOD, MA 02490</p> <p>Commissioner of State I hereby certify that the plan, specification, or report was prepared by me or under my direction & supervision and that I am a duly licensed professional engineer duly registered in the State of Virginia Daryl R. Matzke Lic. No.: 40205307 PROFESSIONAL ENGINEER 132-22</p> <p>Project Information: 500 FT NORTH OF MAIN STREET/N MAPLE AVENUE PURCELLVILLE, VA 20132 12/15/2022</p> <p>GENERAC ATS SPECIFICATIONS SCALE: NONE PROJECT NUMBER: 52736 E 5</p> </td> </tr> </table>				Cabinet Specifications		Dimensions	24" W x 12" D x 48" H	Weight	210 lbs.	Single Chamber with Main Door		Steel	UL Type 1/NEMA 3R Rated	Powder Coat Finish for Corrosion Resistance		CE & UL Listed - Automatic Transfer Switch		Stainless Steel Hardware		3 Point Latching System with Pad-Lockable Handles		Wall		H-Frame		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	Editor 200 Amp Utility Breaker	Maximum RMS Symmetrical Fault Current - Amps	Editor 200 Amp Generator Breaker	Protective Device	25kA NC Rated	Input AC Generation	350NCM4 - #6 AWG	Output AC Generation	350NCM4 - #6 AWG	Deutsch DT04-12P-4W		Generator Run Alarm		Generator Fall - Shutdown Alarm		Generator Fall - Non Shutdown Alarm		Low Fuel Alarm		Generator Theft Alarm		AC Utility Fail Alarm		Codes and Standards		Generac products are designed to the following standards:		  UL1008, UL508, UL50, CSA C22.2 No. 178		NEC 700, 701 and 702		Camlock Components		Camlock Component		Dimensions		Shipped loose for multiple installation options		9" W x 9.4" D x 24.25" H		Camlock Connectors		200A Camlock Generator Connection		NEMA		NEMA 250		Optional Features		<ul style="list-style-type: none"> EXTENDED WARRANTY THREE-PHASE VOLTAGE CONFIGURATIONS 		<p>GENERAL DYNAMICS Information Technology, Inc. GENERAL DYNAMICS 101 STATION DR WESTWOOD, MA 02490</p> <p>Commissioner of State I hereby certify that the plan, specification, or report was prepared by me or under my direction & supervision and that I am a duly licensed professional engineer duly registered in the State of Virginia Daryl R. Matzke Lic. No.: 40205307 PROFESSIONAL ENGINEER 132-22</p> <p>Project Information: 500 FT NORTH OF MAIN STREET/N MAPLE AVENUE PURCELLVILLE, VA 20132 12/15/2022</p> <p>GENERAC ATS SPECIFICATIONS SCALE: NONE PROJECT NUMBER: 52736 E 5</p>			
Cabinet Specifications																																																																																									
Dimensions	24" W x 12" D x 48" H																																																																																								
Weight	210 lbs.																																																																																								
Single Chamber with Main Door																																																																																									
Steel	UL Type 1/NEMA 3R Rated																																																																																								
Powder Coat Finish for Corrosion Resistance																																																																																									
CE & UL Listed - Automatic Transfer Switch																																																																																									
Stainless Steel Hardware																																																																																									
3 Point Latching System with Pad-Lockable Handles																																																																																									
Wall																																																																																									
H-Frame																																																																																									
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	Editor 200 Amp Utility Breaker																																																																																								
Maximum RMS Symmetrical Fault Current - Amps	Editor 200 Amp Generator Breaker																																																																																								
Protective Device	25kA NC Rated																																																																																								
Input AC Generation	350NCM4 - #6 AWG																																																																																								
Output AC Generation	350NCM4 - #6 AWG																																																																																								
Deutsch DT04-12P-4W																																																																																									
Generator Run Alarm																																																																																									
Generator Fall - Shutdown Alarm																																																																																									
Generator Fall - Non Shutdown Alarm																																																																																									
Low Fuel Alarm																																																																																									
Generator Theft Alarm																																																																																									
AC Utility Fail Alarm																																																																																									
Codes and Standards																																																																																									
Generac products are designed to the following standards:																																																																																									
  UL1008, UL508, UL50, CSA C22.2 No. 178																																																																																									
NEC 700, 701 and 702																																																																																									
Camlock Components																																																																																									
Camlock Component																																																																																									
Dimensions																																																																																									
Shipped loose for multiple installation options																																																																																									
9" W x 9.4" D x 24.25" H																																																																																									
Camlock Connectors																																																																																									
200A Camlock Generator Connection																																																																																									
NEMA																																																																																									
NEMA 250																																																																																									
Optional Features																																																																																									
<ul style="list-style-type: none"> EXTENDED WARRANTY THREE-PHASE VOLTAGE CONFIGURATIONS 																																																																																									
<p>GENERAL DYNAMICS Information Technology, Inc. GENERAL DYNAMICS 101 STATION DR WESTWOOD, MA 02490</p> <p>Commissioner of State I hereby certify that the plan, specification, or report was prepared by me or under my direction & supervision and that I am a duly licensed professional engineer duly registered in the State of Virginia Daryl R. Matzke Lic. No.: 40205307 PROFESSIONAL ENGINEER 132-22</p> <p>Project Information: 500 FT NORTH OF MAIN STREET/N MAPLE AVENUE PURCELLVILLE, VA 20132 12/15/2022</p> <p>GENERAC ATS SPECIFICATIONS SCALE: NONE PROJECT NUMBER: 52736 E 5</p>																																																																																									
<p>TTS Series Switches 200 Amps 600 VAC</p> <p>TAS200</p> <p>200A Automatic Transfer Switch</p> <p></p> <p>The Generac TAS200 Automatic Transfer Switch</p> <p>Flexibility for multiple application installations</p> <p>Multiple generator support with 3 source panel</p> <p>Designed with a 6 inch touch screen controller for improved user interface</p> <p>Camlock functionality for mobile generator sources</p> <p>Long term or emergency power options</p> <p>Codes and Standards</p> <p>Generac products are designed to the following standards:</p> <p>  UL1008, UL508, UL50, CSA C22.2 No. 178</p> <p>NEC 700, 701 and 702</p> <p>Camlock Components</p> <p>Camlock Component</p> <p>Dimensions</p> <p>Shipped loose for multiple installation options</p> <p>9" W x 9.4" D x 24.25" H</p> <p>Camlock Connectors</p> <p>200A Camlock Generator Connection</p> <p>NEMA</p> <p>NEMA 250</p> <p>Optional Features</p> <ul style="list-style-type: none"> EXTENDED WARRANTY THREE-PHASE VOLTAGE CONFIGURATIONS 																																																																																									

 RAMAKER <small>bridges ahead</small> (609) 643-4100 www.ramaker.com	 at& Mobility
PREPARED FOR:	
CONSULTANT: GENERAL DYNAMICS Information Technology, Inc. 101 STATION DR WESTWOOD, MA 02090	
	
Commonwealth of Virginia Seal I hereby certify that this plan, distribution or otherwise, has been prepared by me or under my direction, and that it has been reviewed and approved by me, and that it is my true and accurate representation of the facts and conditions described therein. Daryl R. Matzke Lic. No. 402056-007 Professional Engineer Date: 3/20/2022	
PROJECT INFORMATION Project Name: PURCELLVILLE FA ID #: 10004917 Date: 3/20/2022 Project Manager: FINAL	
GENERAL ATS SPECIFICATIONS Scale: NONE	
	
<small>© Copyright 2022 - Generac® Power Systems, Inc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. © 2022 Generac Power Systems, Inc. All rights reserved. This document contains confidential information of Generac Power Systems, Inc. Neither this document nor the information herein may be reproduced, distributed, used, or disclosed in part except as explicitly set forth in the document.</small>	

GENERAC INDUSTRIAL			
TTS Control Systems			
			
			
Touch Screen Interface			
			
INDICATORS AND BUTTONS			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> • System Ready Indicator • Standby Operating Indicator • Utility Available Indicator • GEN/UTIL Switch Position Indicator • TWS status </td> <td style="padding: 5px;"> <ul style="list-style-type: none"> • Normal Test button • Fast test button • Return to Normal button • Reset button • Exercising indicator </td> </tr> </table>		<ul style="list-style-type: none"> • System Ready Indicator • Standby Operating Indicator • Utility Available Indicator • GEN/UTIL Switch Position Indicator • TWS status 	<ul style="list-style-type: none"> • Normal Test button • Fast test button • Return to Normal button • Reset button • Exercising indicator
<ul style="list-style-type: none"> • System Ready Indicator • Standby Operating Indicator • Utility Available Indicator • GEN/UTIL Switch Position Indicator • TWS status 	<ul style="list-style-type: none"> • Normal Test button • Fast test button • Return to Normal button • Reset button • Exercising indicator 		
DETAILS SCREEN			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>System Settings:</p> <ul style="list-style-type: none"> • System Voltage/Phases: <ul style="list-style-type: none"> - 120/240V single phase (standard) - 120/208V three phase (optional) - 120/240V three phase (optional) • Utility Fail Monitor: <ul style="list-style-type: none"> - Under Voltage: 75-85% of nominal voltage - Over Voltage: 105%-125% of nominal voltage - Under Frequency: 50-60 Hz - Over Frequency: 60-70 Hz • Duty Time: 0-999 minutes • Utility Interrupt Duty: 0-100 • Return to Utility Timer: 1-30 minutes • Transfer: <ul style="list-style-type: none"> - In-phase, or - Time-Delay-Automatic at 0.0-10.0s in 1 second increments </td> <td style="width: 50%; vertical-align: top;"> <p>Exercise Settings:</p> <ul style="list-style-type: none"> • Day of week • Exercise: <ul style="list-style-type: none"> - Exercise with/without load - Exercise once or 3, 1, 2, or 4 weeks. • Exercise time-on/day • Exercise day of week • Exercise duration: 15-30 minutes <p>Screen Settings:</p> <ul style="list-style-type: none"> • Brightness & Contrast button • Screen Calibration button • Startup/Guide screen <p>Diagnostics:</p> <ul style="list-style-type: none"> • Digital I/O bits status • Voltage A/D readings <p>Metric Diagram:</p> <ul style="list-style-type: none"> • System Ready • Transfer switch position • Utility available • Standby • Maintenance/Utility Auto switch position • Generator source 1S position • TVSS status </td> </tr> </table>		<p>System Settings:</p> <ul style="list-style-type: none"> • System Voltage/Phases: <ul style="list-style-type: none"> - 120/240V single phase (standard) - 120/208V three phase (optional) - 120/240V three phase (optional) • Utility Fail Monitor: <ul style="list-style-type: none"> - Under Voltage: 75-85% of nominal voltage - Over Voltage: 105%-125% of nominal voltage - Under Frequency: 50-60 Hz - Over Frequency: 60-70 Hz • Duty Time: 0-999 minutes • Utility Interrupt Duty: 0-100 • Return to Utility Timer: 1-30 minutes • Transfer: <ul style="list-style-type: none"> - In-phase, or - Time-Delay-Automatic at 0.0-10.0s in 1 second increments 	<p>Exercise Settings:</p> <ul style="list-style-type: none"> • Day of week • Exercise: <ul style="list-style-type: none"> - Exercise with/without load - Exercise once or 3, 1, 2, or 4 weeks. • Exercise time-on/day • Exercise day of week • Exercise duration: 15-30 minutes <p>Screen Settings:</p> <ul style="list-style-type: none"> • Brightness & Contrast button • Screen Calibration button • Startup/Guide screen <p>Diagnostics:</p> <ul style="list-style-type: none"> • Digital I/O bits status • Voltage A/D readings <p>Metric Diagram:</p> <ul style="list-style-type: none"> • System Ready • Transfer switch position • Utility available • Standby • Maintenance/Utility Auto switch position • Generator source 1S position • TVSS status
<p>System Settings:</p> <ul style="list-style-type: none"> • System Voltage/Phases: <ul style="list-style-type: none"> - 120/240V single phase (standard) - 120/208V three phase (optional) - 120/240V three phase (optional) • Utility Fail Monitor: <ul style="list-style-type: none"> - Under Voltage: 75-85% of nominal voltage - Over Voltage: 105%-125% of nominal voltage - Under Frequency: 50-60 Hz - Over Frequency: 60-70 Hz • Duty Time: 0-999 minutes • Utility Interrupt Duty: 0-100 • Return to Utility Timer: 1-30 minutes • Transfer: <ul style="list-style-type: none"> - In-phase, or - Time-Delay-Automatic at 0.0-10.0s in 1 second increments 	<p>Exercise Settings:</p> <ul style="list-style-type: none"> • Day of week • Exercise: <ul style="list-style-type: none"> - Exercise with/without load - Exercise once or 3, 1, 2, or 4 weeks. • Exercise time-on/day • Exercise day of week • Exercise duration: 15-30 minutes <p>Screen Settings:</p> <ul style="list-style-type: none"> • Brightness & Contrast button • Screen Calibration button • Startup/Guide screen <p>Diagnostics:</p> <ul style="list-style-type: none"> • Digital I/O bits status • Voltage A/D readings <p>Metric Diagram:</p> <ul style="list-style-type: none"> • System Ready • Transfer switch position • Utility available • Standby • Maintenance/Utility Auto switch position • Generator source 1S position • TVSS status 		
Engine Settings:			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> • Engine Warm-up timer: 0-20 minutes • Generator Load Accept: <ul style="list-style-type: none"> - Time-Delay Automatic at 0.0-10.0s in 1 second increments - Voltage: 85-95% of nominal - Frequency: 85-95% of nominal - Engine Minimum Run Timer: 5-30 minutes - Engine Countdown Timer: 0-20 minutes </td> <td style="width: 50%; vertical-align: top;"> <small>Generator Power Systems, Inc. • 445 W 262nd Hwy. 59, Waukesha, WI 53189 • generac.com © 2022 Generac Power Systems, Inc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners.</small> </td> </tr> </table>		<ul style="list-style-type: none"> • Engine Warm-up timer: 0-20 minutes • Generator Load Accept: <ul style="list-style-type: none"> - Time-Delay Automatic at 0.0-10.0s in 1 second increments - Voltage: 85-95% of nominal - Frequency: 85-95% of nominal - Engine Minimum Run Timer: 5-30 minutes - Engine Countdown Timer: 0-20 minutes 	<small>Generator Power Systems, Inc. • 445 W 262nd Hwy. 59, Waukesha, WI 53189 • generac.com © 2022 Generac Power Systems, Inc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners.</small>
<ul style="list-style-type: none"> • Engine Warm-up timer: 0-20 minutes • Generator Load Accept: <ul style="list-style-type: none"> - Time-Delay Automatic at 0.0-10.0s in 1 second increments - Voltage: 85-95% of nominal - Frequency: 85-95% of nominal - Engine Minimum Run Timer: 5-30 minutes - Engine Countdown Timer: 0-20 minutes 	<small>Generator Power Systems, Inc. • 445 W 262nd Hwy. 59, Waukesha, WI 53189 • generac.com © 2022 Generac Power Systems, Inc. All rights reserved. All trademarks and registered trademarks are the property of their respective owners.</small>		