

Northeast Site Solutions Victoria Masse 420 Main Street, Unit 2 Sturbridge, MA 01566 860-306-2326 victoria@northeastsitesolutions.com

June 28, 2021

Members of the Siting Council Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

RE: Notice of Exempt Modification

99 Briar Hill Road (aka 115 Briar Hill Road), Groton CT 06340

Latitude: 41.3851388 Longitude: -72.0698611

T-Mobile Site#: CTNL223A NHP

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 177-foot level of the existing 250-foot lattice tower at 115 Briar Hill Road, Groton CT 06340. The tower and property are owned by Citadel Broadcasting Co. T-Mobile now intends to add a 25Kw generator to an extended concrete pad within an expanded compound.

#### Ground work only-Install New:

- (1) GENERAC RD 25 KW AC DIESEL GENERATOR 240-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles by-weekly.
- (1) L-Shaped Concrete Pad Extension
- (1) Lease Area (9'X5')(45 S.F.)



This facility was approved by the Town of Groton PZC. File No. 262 – Special permit was approved by the Town of Groton to install new tower, not to exceed 250 feet in height. Please see attached documentation.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to Town Manager John Burt, Elected Official and Kevin Quinn, Zoning Manager for the Town of Groton, as well as the property owner and the tower owner.

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

- 1. The proposed modifications will not result in an increase in the height of the existing structure.
- 2. The proposed modifications will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. The existing structure and its foundation can support the proposed loading.

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

#### Sincerely,

Victoria Masse

Mobile: 860-306-2326 Fax: 413-521-0558

Office: 420 Main Street, Unit 2, Sturbridge MA 01566

Email: victoria@northeastsitesolutions.com



Attachments cc: John Burt- Town Manager - as elected official 45 Fort Hill Rd. Groton, CT 06340

Kevin Quinn- Zoning Manager 134 Groton Long Point Road Groton, CT 06340

Citadel Broadcasting Co - as tower owner and property owner BRIAN HICKS
CUMULUS MEDIA, INC.
3280 PEACHTREE RD NE
STE 2300
ATLANTA GA 30305-2455

## Exhibit A

#### TOWN OF GROTON

#### **ZONING COMMISSION**

#### NOTICE OF GRANT OF SPECIAL PERMIT #262

This is to certify that on November 6, 2002 the Zoning Commission of the Town of Groton granted a Special Permit under Section 7.1-41 of the Zoning Regulations as follows:

- 1. Owner of Record: Citadel Communications (Miguel Nobre, Applicant)
- 2. Description of the premises: 99 Briar Hill Road
- 3. Description of the special permit: To allow for a new tower structure for FM radio stations with the following conditions:
  - 1. Tower height shall not exceed 250 feet (10 feet less than the existing installation).
  - 2. A subdued, non-reflective grey color will be required for the new tower and tower to remain at the site. Lighting for both towers if required by FAA, shall incorporate white strobe lights during the day and red lighting at night. Any modification to this lighting scheme shall require commission approval.
  - 3. Technical study information provided shall be endorsed by a State of Connecticut Registered Professional Engineer and address any potential interference problems.
  - Existing towers slated for removal shall be removed no later than 6 4. months from the completion of new tower construction.
  - 5. Repainting of the tower to remain shall be accomplished within 6 months of completion of new tower construction.

ZONING COMMISSION

Michael J. Murphy, AIC Assistant Director of Planning

and Development

Date: November 7, 2002

NOTE: This notice is to be recorded on the Land Records of the Town of Groton, indexed in the grantor's index under the name of the record owner.



### **Town of Groton**

**Building Inspection** 

### BUILDING/ZONING PERMIT APPLICATION

**Please Print** 

(office use onl	
Permit No. 23.6.// Date I	Permit Issued . 11. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
4 110 2 2 2 2 1	Bldg. Zon. C.O. State
Estimated Cost # 128378.00 Fee 13	300. 10. ab. a0.64
Address of Building	. G.KO!QN <sub>*</sub> . G.!
Zone. RU-dQ Pin #	178019-61-6743
Zone RV-20 Pin # Owner LIT ADEL LOHMUHICATION S. Address THE	EW-LOMPON, CT. OBJO. Ph. #. 860.443.1980
Contractor	
Nature of Proposed Work and Use REPLACE EXISTING.	.250' GUYED TOWER WITH
NEW STRUCTURALLY SOUND TOWER	
	,
Plans: Yes No D Type of Construction Resi	dential ☐ Commercial ☐ Size
No. of Stories	No. of Baths
Garage	
ZONING PE	
(To be filled out in conjunction with a building permit involves tructure, or change of use.)	ing any new structure, addition to an existing
Flood Hazard District HDC	#ZBA #
Site Plan Approval # Specia	ıl Zoning Permit #
Wetlands	al Area Management
Site Suitability # Sewer #	A2 Survey
Zoning Official Signature	
Zoning Official Signature	
CERTIFICATION: I hereby certify that: I am the owner or oposed work is authorized by the owner of record and/or I is an authorized agent, and we agree to conform to all application contained within is true and accurate to the	have been authorized to make this application cable laws, codes, regulations and ordinances.
BOB COX	920
Print Name in Ink Phor	
Signature (in INK) of Owner/Authorized Agent	
Signature till intry of Onter/Authorized Agent	1/19/03
Building Official	Completed Application Received Date

## Exhibit B

#### Back Parcel Detail

#### 99 BRIAR HILL RD



#### **Property Information**

**PIN:** 178019616743

**PROPERTY TYPE: COMMERCIAL** 

**DISTRICT:** CENTER GROTON FIRE DISTRICT **OWNER:** CITADEL BROADCASTING CO

ACREAGE: 6.1AC. ZONING: RU-20

**USE CODE: MANUFACTURING WAREHOUSE FACILITIES** 

CT GRAND LIST CODE: INDUSTRIAL

**LIVING UNITS:** 1

NEIGHBORHOOD: 3100 DEED BOOK/PAGE: 709/691 LAND VALUE: \$226,500 BUILDING VALUE: \$55,900 TOTAL VALUE: \$282,400

GROSS ASSESSED VALUE: \$197,680

#### **Sales Information**

**SALE DATE:** 4/20/2000 **SALE PRICE:** \$10,000 **DEED BOOK/PAGE:** 709/691

**SALE DATE:** 6/3/1997 **SALE PRICE:** \$100,000 **DEED BOOK/PAGE:** 644/197



## Exhibit C

UPGRADE OF EXISTING WIRELESS FACILITY BY

## T··Mobile·

### T-MOBILE NORTHEAST LLC

PROJECT TITLE: NATIONAL HARDENING

SITE NUMBER: CTNL223A

SITE NAME: CITADEL GROTON GUYED SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

#### **PROJECT NOTES:**

- THIS IS AN UNMANNED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION: HANDICAPPED ACCESS IS NOT REQUIRED. POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED. NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S
- DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.

#### CODE COMPLIANCE:

ALL WORK SHALL COMPLY WITH THE CURRENT NATIONAL AND CONNECTICUT STATE BUILDING AND LIFE SAFETY CODES, SUPPLEMENTS AND AMENDMENTS NCLUDING BUT NOT LIMITED TO THE LATEST EDITION OF

CONNECTICUT STATE BUILDING CODE (CSBC).

ANSI/TIA-222-G STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

NATIONAL ELECTRICAL CODE (NEC) FOR POWER AND GROUNDING REQUIREMENTS

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). NFPA - NATIONAL FIRE PROTECTION ASSOCIATION.



1-800-922-4455

Minimum of 2 working days in advance, no

#### **APPROVALS:**

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SITE LOCATION

#### **PROJECT SCOPE:**

THE PROPOSED PROJECT SCOPE WILL CONSIST OF INSTALLING A NEW GENERAC RD 25 KW AC DIESEL GENERATOR AND TANK FOR AN EXISTING TELECOM BASE STATION NO SIGNIFICANT GRADING IS REQUIRED ALL PROPOSED CONSTRUCTION WILL BE CONTAINED IN CLOSE PROXIMITY OF THE EXISTING FENCED COMPOUND AND TOWER SITE LEASE AREA.

#### **PROJECT INFORMATION:**

ADDRESS 99 BRIAR HILL ROAD GROTON, CT 06340

STRUCTURE TYPE: **GUYED TOWER** ZONING DISTRICT: 178019616743 PARCEL ID: COORDINATES: 41.385100 N -72.069900 W

**PROJECT TEAM:** 

APPLICANT:

LANDLORD:

GROUND ELEVATION:

T-MOBILE NORTHEAST, LLC. 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002

184'± (AMSL)

CITADEL BROADCASTING CO

FRANK DOREMUS

CHIEF ENGINEER FOR CUMULUS AND TOWNSQUARE
MOBILE - 508-965-7751 OFFICE - 508-999-6690 EXT 3022 EMAIL - FRANK.DOREMUS@TOWNSQUAREMEDIA.COM

PROJECT MANAGER

NORTHEAST SITE SOLUTIONS 420 MAIN STREET, BLDG 4

SHELDON FREINCLE SHELDON@NORTHEASTSITE SOLUTIONS.COM

CONSULTANTS: FORESITE LLC 462 WALNUT ST NEWTON, MA 02460

SAFED MOSSAVAT SMOSSAVAT@FORESITELLC.COM

#### **SHEET INDEX:**

TITLE SHEET GENERAL NOTES

ELEVATION AND ANTENNAS PLAN **EQUIPMENT AND ANTENNA SPECIFICATIONS** 

GROUNDING DETAILS

APPLICANT: T - Mobile

### T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

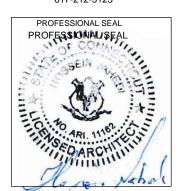


STURBRIDGE, MA 01566 203-275-6669



**ENGINEERING CONSULTANT:** 

462 WALNUT STREET, SUITE 1 NEWTON, MA 02460 617-212-3123



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DESCRIPTION

DATE

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Α	PRELIMINARY	06/16/21
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SITE NUMBER: CTNL223A SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

T-1: TITLE SHEET

# GENERAL NOTES: THE CONTRACTOR AWFUL ORDERS OF ANY

- 1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES. REGULATIONS. AND ORDINANCES.
- 2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- 3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CLIENT'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.
- 5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- 6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- 7. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE BASIC STATE BUILDING CODE, LATEST EDITION. AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJEC
- 9. THE CONTRACTOR SHALL NOTIFY THE CLIENT'S REPRESENTATIVE IN WRITING WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CLIENT'S REPRESENTATIVE.
- 10. THE WORK SHALL CONFORM TO THE CODES AND STANDARDS OF THE FOLLOWING AGENCIES AS FURTHER CITED HEREIN:
- A. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS, AS PUBLISHED IN "COMPILATION OF ASTM STANDARDS BUILDING CODES" OR LATEST EDITION.
- B. AWS: AMERICAN WELDING SOCIETY INC. AS PUBLISHED IN "STANDARD D1.1-08, STRUCTURAL WELDING CODE" OR LATEST EDITION.
- C. AISC: AMERICAN INSTITUTE FOR STEEL CONSTRUCTION AS PUBLISHED IN "CODE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"; "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (LATEST EDITION).
- 11. BOLTING:
- A. BOLTS SHALL BE CONFORMING TO ASTM A325 HIGH STRENGTH, HOT DIP GALVANIZED WITH ASTM A153 HEAVY HEX TYPE NUTS.
- B. BOLTS SHALL BE 3/4"  $\phi$  MINIMUM (UNLESS OTHERWISE NOTED)
- C. ALL CONNECTIONS SHALL BE 2 BOLTS MINIMUM.
- 12. FABRICATION:
- A. FABRICATION OF STEEL SHALL CONFORM TO THE AISC AND AWS STANDARDS AND CODES (LATEST EDITION).
- B. ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (LATEST EDITION), UNLESS OTHERWISE NOTED.
- 13. ERECTION OF STEEL:
- A. PROVIDE ALL ERECTION EQUIPMENT, BRACING, PLANKING, FIELD BOLTS, NUTS, WASHERS, DRIFT PINS, AND SIMILAR MATERIALS WHICH DO NOT FORM A PART OF THE COMPLETED CONSTRUCTION BUT ARE NECESSARY FOR ITS PROPER ERECTION.
- B. ERECT AND ANCHOR ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC REFERENCE STANDARDS. ALL WORK SHALL BE ACCURATELY SET TO ESTABLISHED LINES AND ELEVATIONS AND RIGIDLY FASTENED IN PLACE WITH SUITABLE ATTACHMENTS TO THE CONSTRUCTION OF THE BUILDING.
- C. TEMPORARY BRACING, GUYING AND SUPPORT SHALL BE PROVIDED TO KEEP THE STRUCTURE SAFE AND ALIGNED AT ALL TIMES DURING CONSTRUCTION, AND TO PREVENT DANGER TO PERSONS AND PROPERTY. CHECK ALL TEMPORARY LOADS AND STAY WITHIN SAFE CAPACITY OF ALL BUILDING COMPONENTS.
- 14. ANTENNA INSTALLATION:
- A. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLIENT'S REPRESENTATIVE SPECIFICATIONS.
- B. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.

- C. INSTALL COAXIAL / FIBER CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- 15. ANTENNA AND COAXIAL / FIBER CABLE GROUNDING:
- A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT TYPE #221213 OR EQUAL.
- B. ALL COAXIAL / FIBER CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL / FIBER CABLE (NOT WITHIN BENDS)
- 16. RELATED WORK, FURNISH THE FOLLOWING WORK AS SPECIFIED UNDER CONSTRUCTION DOCUMENTS, BUT COORDINATE WITH OTHER TRADES PRIOR TO BID:
- A. FLASHING OF OPENING INTO OUTSIDE WALLS
- B. SEALING AND CAULKING ALL OPENINGS
- C. PAINTING
- D. CUTTING AND PATCHING
- 17. REQUIREMENTS OF REGULATORY AGENCIES:
- A. FURNISH U.L. LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH U.L. STANDARDS WHERE APPLICABLE.
- B. INSTALL ANTENNA, ANTENNA CABLES, GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION IN EFFECT AT PROJECT LOCATION AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK, THIS WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
- C. TIA-EIA 222 (LATEST EDITION). STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- D. FAA FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR AC 70/7460-IH, OBSTRUCTION MARKING AND LIGHTING.
- E. FCC FEDERAL COMMUNICATIONS COMMISSION RULES AND REGULATIONS FORM 715, OBSTRUCTION MARKING AND LIGHTING SPECIFICATION FOR ANTENNA STRUCTURES AND FORM 715A, HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES
- F. AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS (LATEST EDITION).
- G. NEC NATIONAL ELECTRICAL CODE ON TOWER LIGHTING KITS.
- H. UL UNDERWRITER'S LABORATORIES APPROVED ELECTRICAL PRODUCTS.
- I. IN ALL CASES, PART 77 OF THE FAA RULES AND PARTS 17 AND 22 OF THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS.
- J. 2018 LIFE SAFETY CODE NFPA 101.

APPLICANT:

## T - Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



462 WALNUT STREET, SUITE 1 NEWTON, MA 02460 617-212-3123



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DESCRIPTION

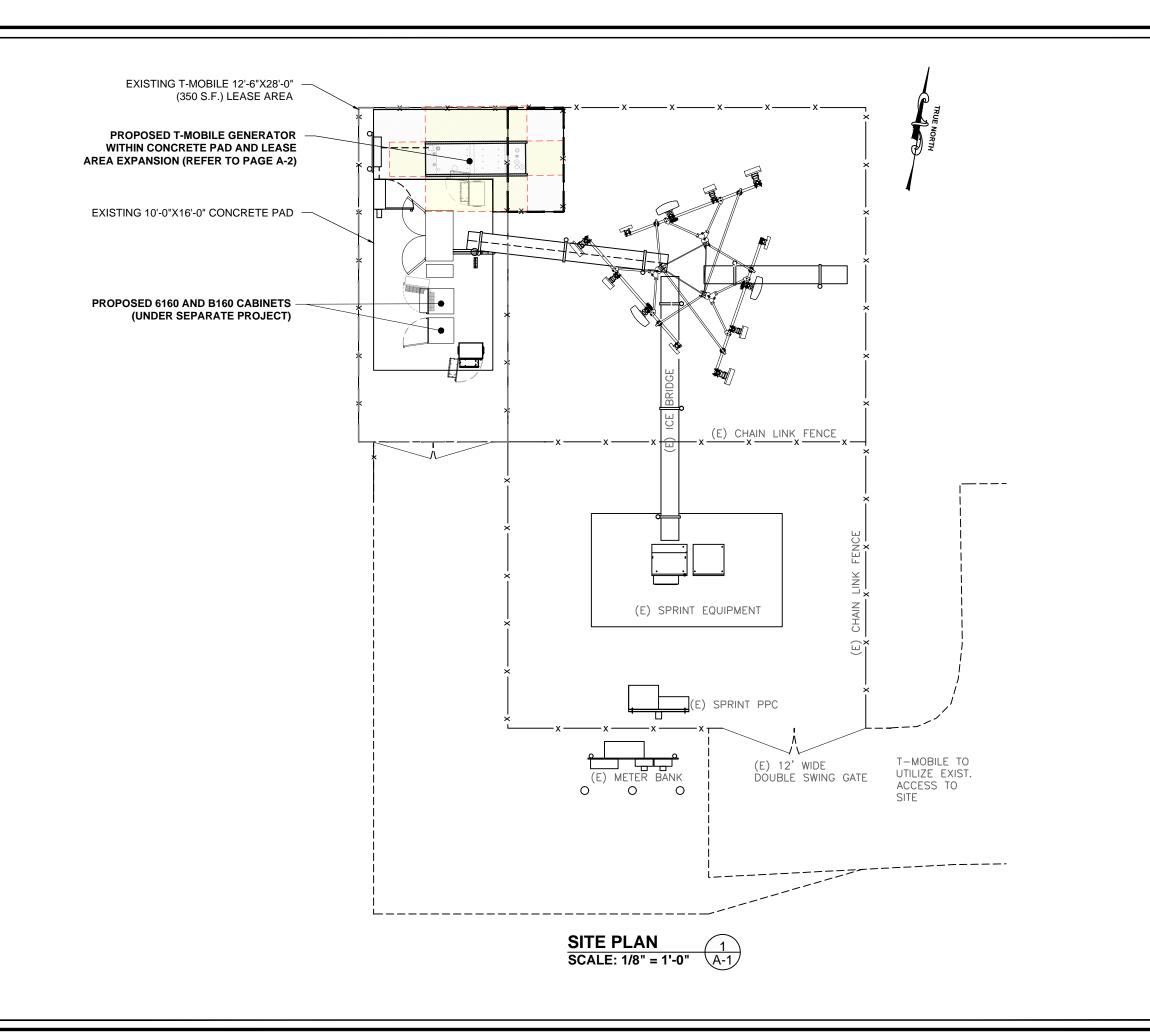
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SITE NUMBER: CTNL223A
SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE: N-1: NOTES AND DISCLAIMERS



APPLICANT:

## T - Mobile - T-Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



Architects . Engineers . Surveyors

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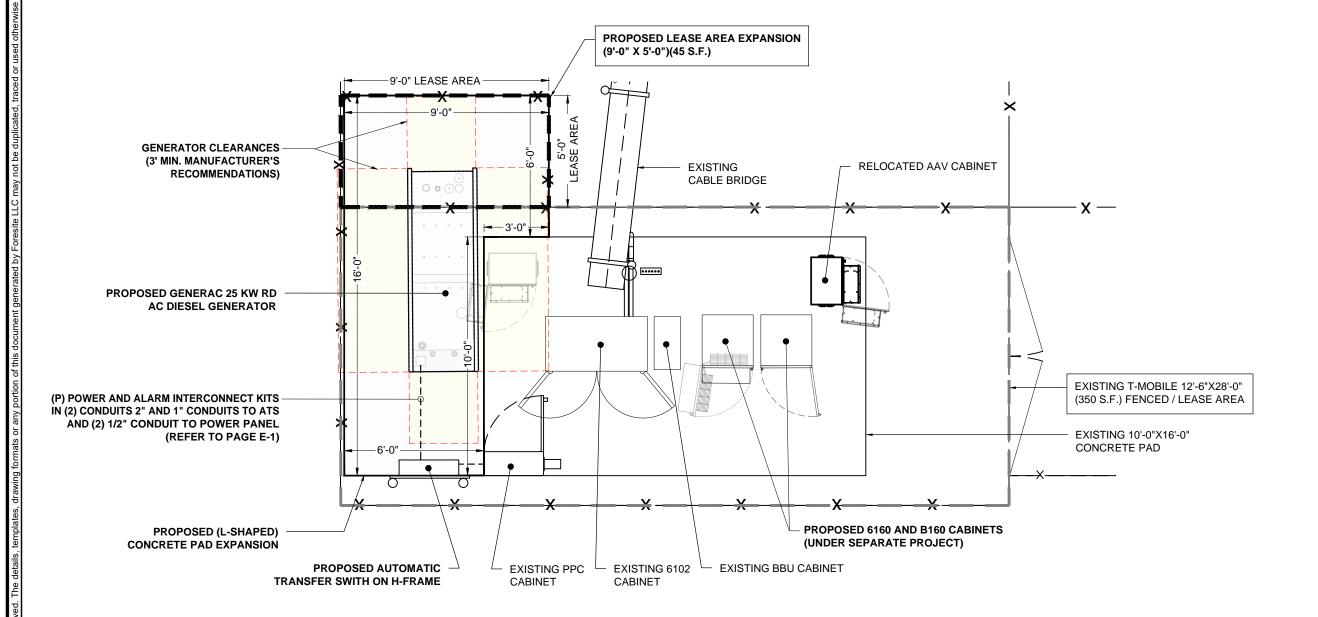
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SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

> SHEET TITLE: A-1: PLAN





PARTIAL SITE PLAN
SCALE: 1/4" = 1'-0"



APPLICANT:

## T - Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### PROJECT MANAGER



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



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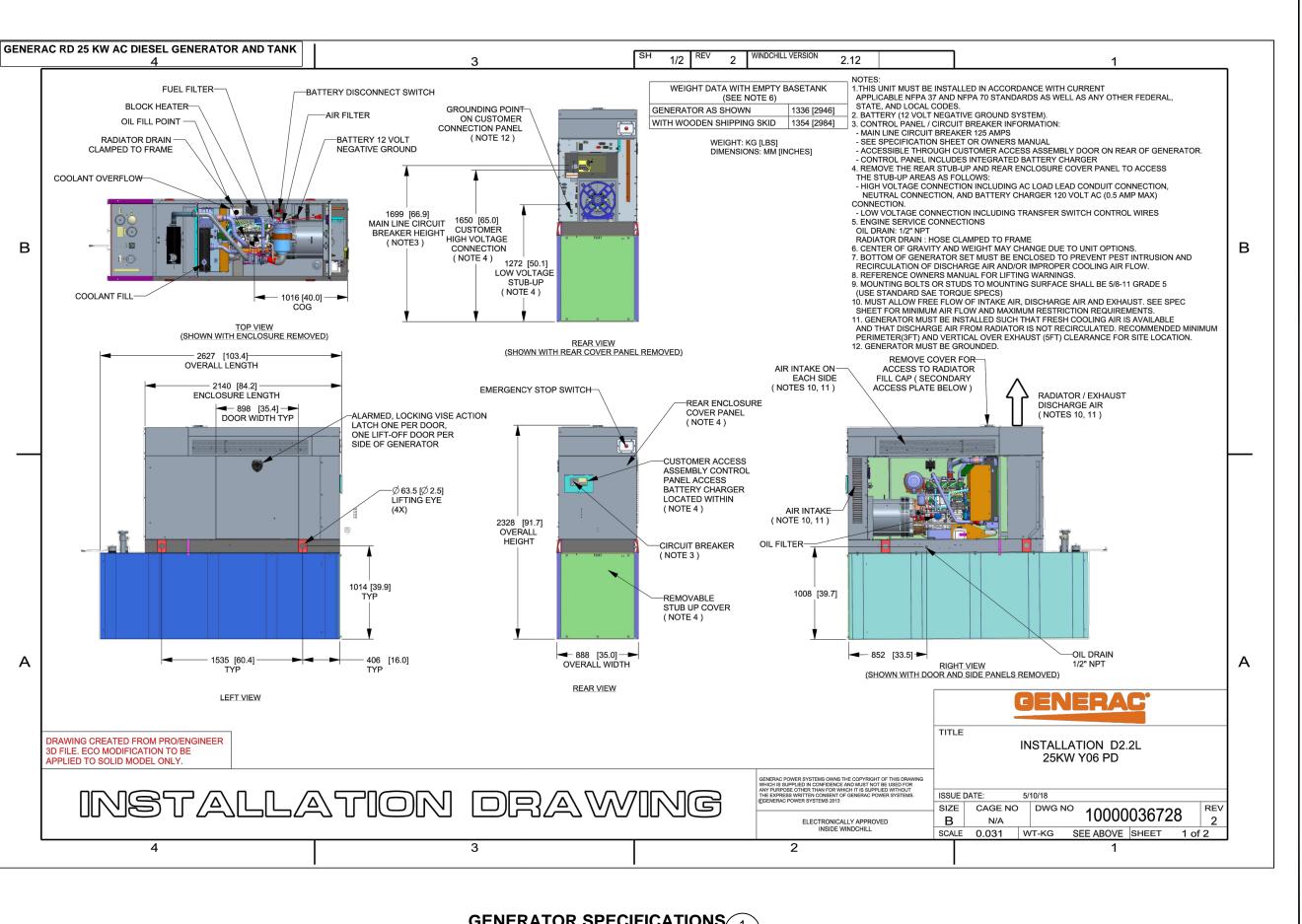
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SITE NUMBER: CTNL223A
SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE:

A-2: PARTIAL SITE PLAN



APPLICANT:

## T - Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### **PROJECT MANAGER**



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



Architects . Engineers . Surveyors

462 WALNUT STREET, SUITE 1 NEWTON, MA 02460 617-212-3123



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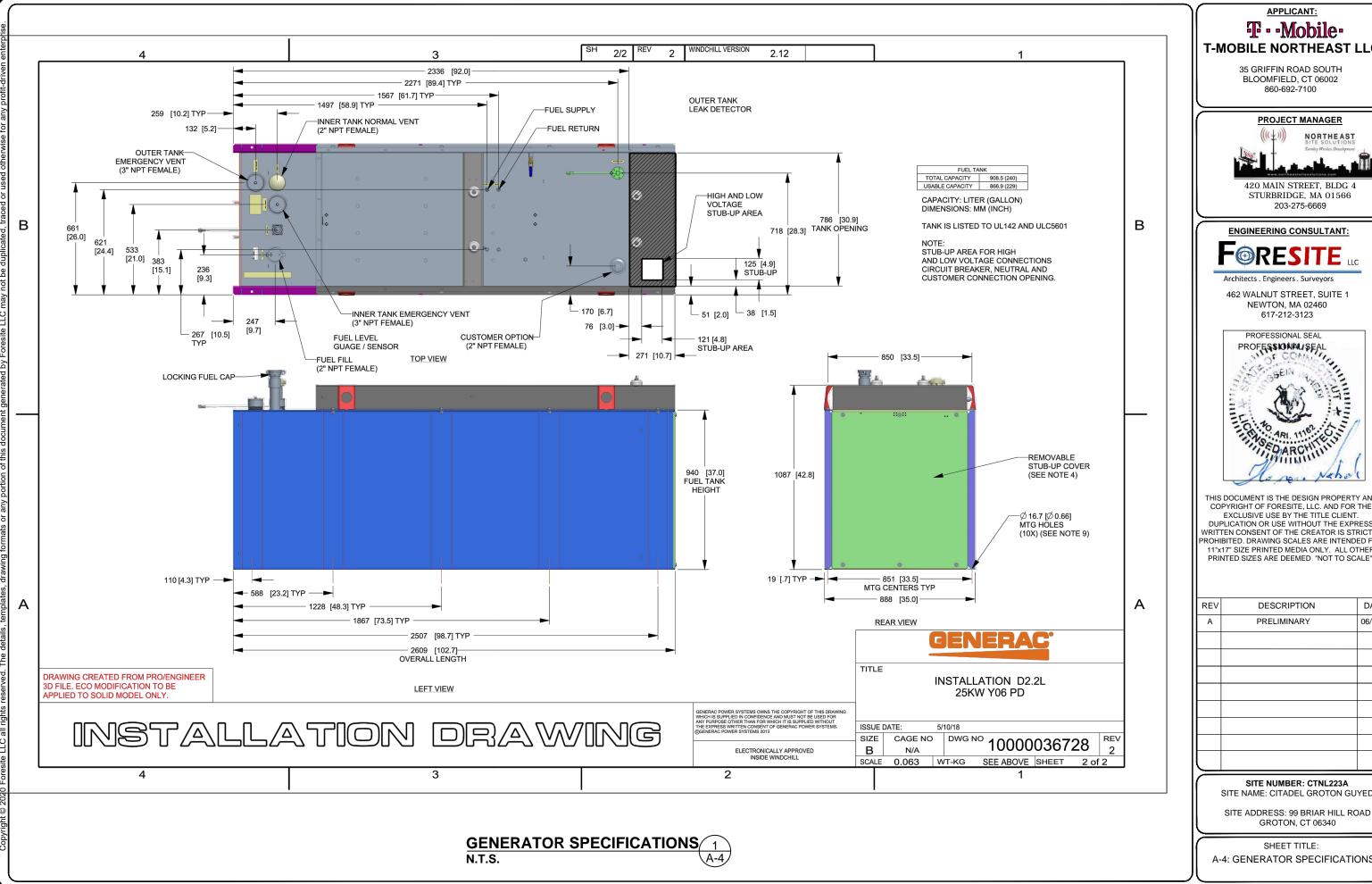
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SHEET TITLE:

A-3: GENERATOR SPECIFICATIONS

GENERATOR SPECIFICATIONS



### T-MOBILE NORTHEAST LLC

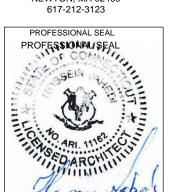
BLOOMFIELD, CT 06002



STURBRIDGE, MA 01566



NEWTON, MA 02460



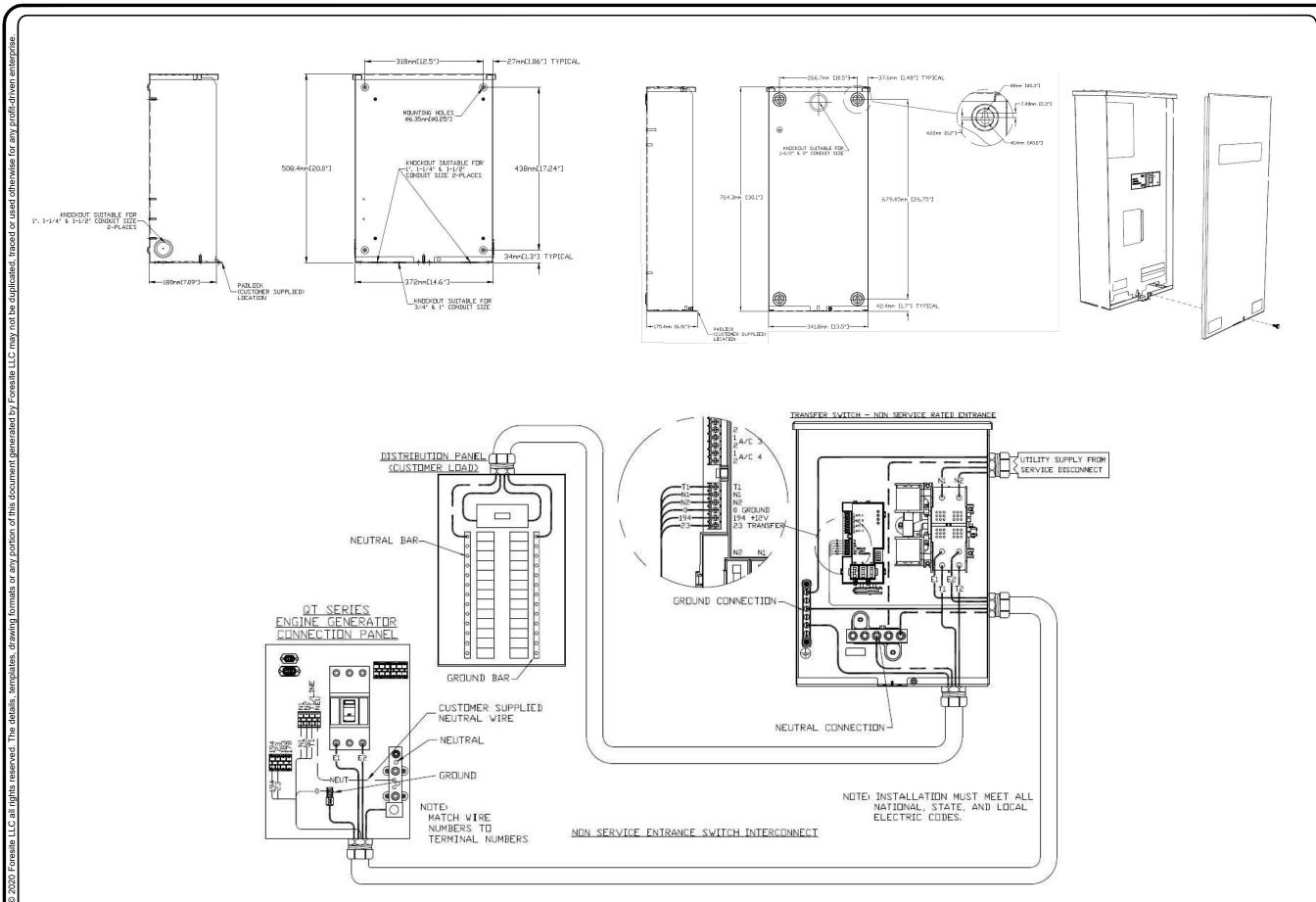
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SITE NAME: CITADEL GROTON GUYED

GROTON, CT 06340

A-4: GENERATOR SPECIFICATIONS



APPLICANT:

## T - Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### PROJECT MANAGER



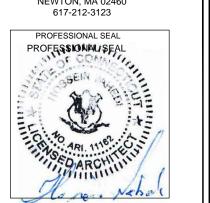
420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



Architects . Engineers . Surveyors

462 WALNUT STREET, SUITE 1 NEWTON, MA 02460 617-212-3123



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REV	DESCRIPTION	DATE
Α	PRELIMINARY	06/16/21

SITE NUMBER: CTNL223A SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE: A-5: AUTOMATIC TRANSFER SWITCH DETAILS

AUTOMATIC TRANSFER SWITCH DETAILS
SCALE: N.T.S.

1
A-5

#### CONSTRUCTION NOTES:

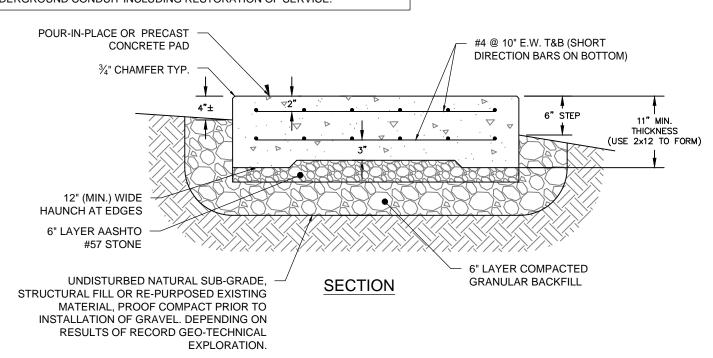
- (HAND-DUG UTILITY TRENCH EXCAVATION REQUIRED):

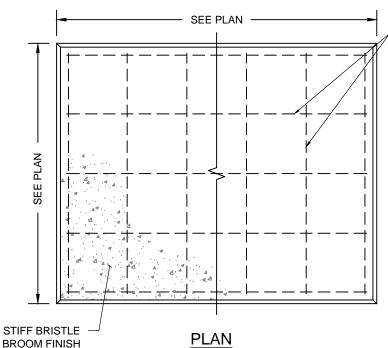
- EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES.

ALL PROPOSED UNDERGROUND

UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED.

- GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO, OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE.





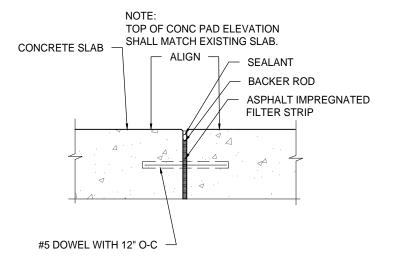
 #4 @ 10" E.W. T&B (SHORT DIRECTION BARS ON BOTTOM)

#### NOTES

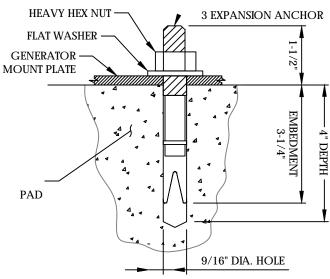
- 1. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED FILL. 95% COMPACTION.
- 2. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.
- 3. CONCRETE FORM WORK SHALL BE CONSTRUCTED USING MINIMUM 2"X8" NOMINAL SIZE LUMBER. STRIP AND REMOVE UPON COMPLETION.
- 4. CONCRETE SHALL HAVE 4000PSI 28-DAY COMPRESSIVE STRENGTH WITH 5(±1) % AIR ENTRAINMENT, 4(±1) "SLUMP AND BRISTLE BROOM FINISH.

### CONCRETE PAD DETAILS SCALE: N.T.S.





#### ISOLATION JOINT



#### NOTES:

- 1. BOLTS CAN BE INSTALLED 2 DAYS AFTER POURING CONCRETE PROVIDED THE KWIK BOLTS ARE ONLY TIGHTENED TO A SNUG TIGHT CONDITION.
- 2. APPLY "HILTI" HIT-RE 500-SD EPOXY TO ALL GAPS TO PREVENT WATER/MOISTURE BUILD-UP.
- 3. PROVIDE 6 (SEE MANUFACTURERS INSTALLATION DRAWINGS) ANCHOR BOLTS PER SIDE.

#### ANCHORAGE DETAIL

APPLICANT:

## T - Mobile - T-Mobile - T-Mobile NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### **PROJECT MANAGER**



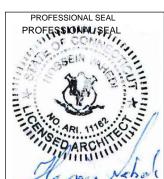
420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



Architects . Engineers . Surveyors
462 WALNUT STREET, SUITE 1

62 WALNUT STREET, SUITE 1 NEWTON, MA 02460 617-212-3123



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REV	DESCRIPTION	DATE
Α	PRELIMINARY	06/16/21

SITE NUMBER: CTNL223A SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE:

A-6 CONCRETE PAD DETAILS

#### **GENERAL ELECTRICAL NOTES**

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES INCLUDING LATEST EDITIONS OF:

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION UL - UNDERWRITERS LABORATORIES NEC - 2017 NATIONAL ELECTRICAL CODE NEMA - NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT IBC - 2015 INTERNATIONAL BUILDING CODE

- 2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PRODUCED PER SPECIFICATION REQUIREMENTS.
- 3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- 4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- 5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) ND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- 6. RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.
- 7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THIN INSULATION.
- 8. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NAME 3R ENCLOSURE.
- 9. GROUNDING SHALL COMPLY WITH NEC ART. 250.
- 10. GROUNDING COAX CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURES COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- 11. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSTALLATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE GROUND.
- 12. ALL GROUND CONNECTION TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- 13. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AS RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY BOND ANY METER OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- 14. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PROCEDURES (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN RBS UNIT).
- 15. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- 16. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTION.
- 17. TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
- 18. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- 19. VERIFY PROPOSED SERVICE UPGRADE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.
- 20. EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES OR AS DIRECTED / REQUIRED BY CONSTRUCTION MANAGER. ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO, OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE.
- 21. PROVIDE SLIP JOINS WHERE CONDUITS TRANSITION FROM UNDERGROUND TO ABOVE GROUND.

#### NOTES:

DIAGRAM AS SHOWN, IS A GENERIC ROUTING SCHEMATIC BASED ON AVAILABLE INFORMATION AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD INSTALL THE GENERATOR, EQUIPMENT AND CONNECTIONS BASED ON VERIFIED ELECTRICAL AUDITS AND PER MANUFACTURER'S INSTALLATION GUIDELINES AS WELL AS ALL APPLICABLE LOCAL AND NATIONAL CODES AND REQUIREMENTS.

#### **GROUNDING NOTES:**

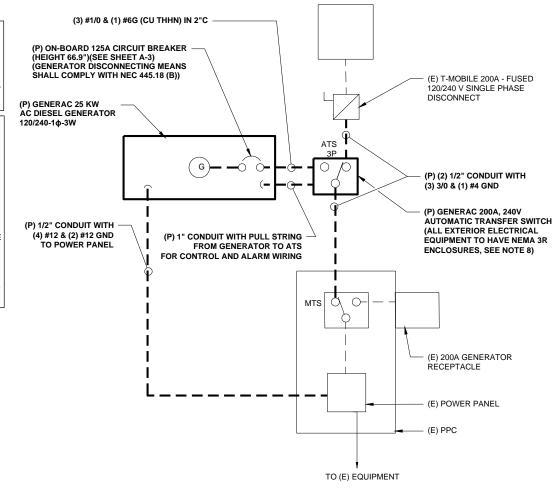
1. GROUNDING SHALL COMPLY WITH NEC ART. 250
AND MANUFACTURER'S RECOMMENDATIONS. TIE INTO THE EXISTING
GROUNDING SYSTEM.

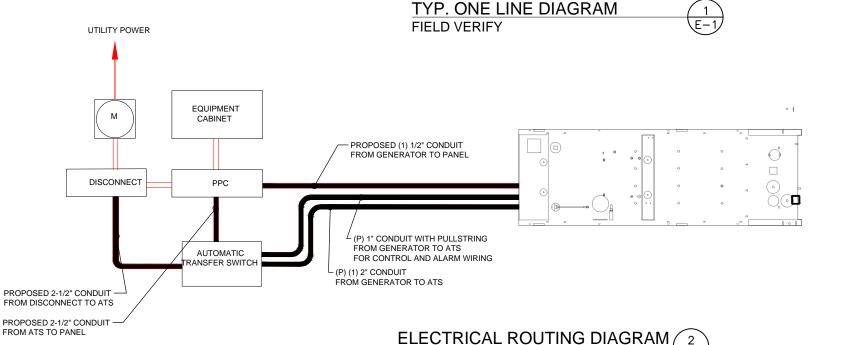
2. CONTRACTOR SHALL INSTALL GROUND RODS ON ALL UNDERGROUND GROUNDING RUNS LONGER THAN 10'. GROUND RODS WILL BE INSTALLED ON 20' CENTERS MAXIMUM.

3. ALL DOWN CONDUCTORS MUST GO DOWN PER NFPA 780.

4. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.

5. CONTRACTOR MY USE EXISTING CONDUITS AND CONDUCTORS
PROVIDED THEY ARE IN GOOD CONDITION AND ARE SUFFICIENTLY RATED.





SCALE: N.T.S

APPLICANT:

## T - Mobile - T-Mobile - T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 860-692-7100

#### **PROJECT MANAGER**



420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **ENGINEERING CONSULTANT:**



Architects . Engineers . Surveyors

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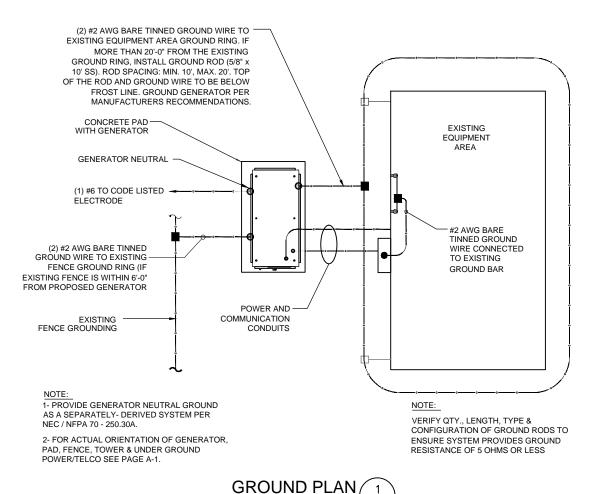
REV	DESCRIPTION	DATE
Α	PRELIMINARY	06/16/21

SITE NUMBER: CTNL223A
SITE NAME: CITADEL GROTON GUYED

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE:

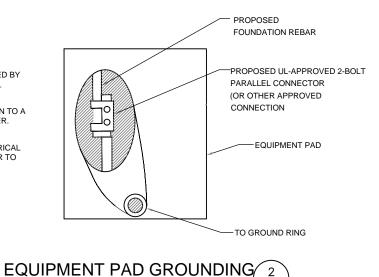
E-1: ELECTRICAL DETAILS





- 1. CONNECTION SHALL BE COVERED BY NO LESS THAN 2" OF CONCRETE.
- 2. ATTEMPT TO MAKE CONNECTION TO A 6'-0" RUN OF REBAR OR GREATER.
- 3. APPLY HEAT SHRINK OR ELECTRICAL TAPE AROUND THE CONDUCTOR TO AVOID CORROSION.

NTS



GROUND WIRE WEATHERPROOFING 3

PROPOSED SILICONE PROPOSED LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT

-PROPOSED #2 SOLID TINNED COPPER WIRE

> SITE NUMBER: CTNL223A SITE NAME: CITADEL GROTON GUYED

**APPLICANT:** T - Mobile

T-MOBILE NORTHEAST LLC

35 GRIFFIN ROAD SOUTH

BLOOMFIELD, CT 06002

860-692-7100

PROJECT MANAGER

420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

**ENGINEERING CONSULTANT:** 

Architects . Engineers . Surveyors

462 WALNUT STREET, SUITE 1

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PROFESSIONAL SEAL PROFESSIONAL SEAL

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DESCRIPTION

06/16/21

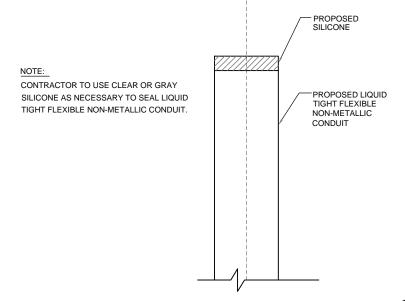
PRELIMINARY

REV

SITE ADDRESS: 99 BRIAR HILL ROAD GROTON, CT 06340

SHEET TITLE:

G-1: GROUNDING DETAILS

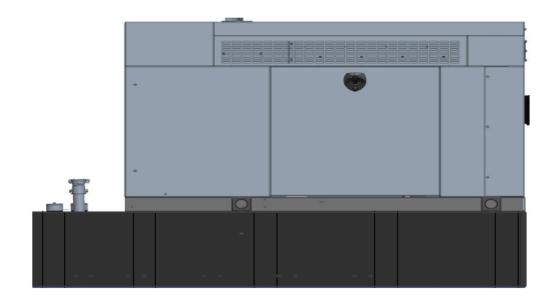


## Exhibit D

# T··Mobile· Engineering & Operations

### **Generac RD025 Design Document**

Diesel, AC, 25kW External Fill Tank Model#7192-0 SKU#33651



The following are responsible for this project document:

Kevin Smith SR. Engineer (770) 256-3594

Project Design Spec Revision	1.0	Last Date:08/23/2018	5/14/2018
Final doc URL (~Dnnnnn):			
Location	Use the InfoRouter Search (Advanced) putting the Document ID (nnnnnn without the D) to find the location of the master document.		
Template URL:	http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750 Slightly updated 1/2011		



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1.2	Feature Description	3
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4.1	Interfaces and Alarming	7
5	Regulatory Requirements	9
6	Configuration/Diagrams	9
7	Maintenance	14



#### 1 Introduction / Project Summary

#### 1.1 Purpose of Project

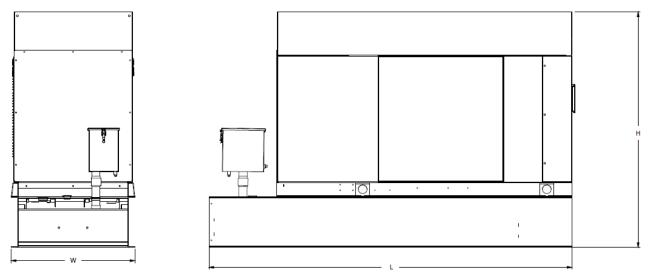
T-Mobile's nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer of coverage. This design document is for Generac's RD025 model#7192-0, which is a Diesel AC generator with a capacity of 25kW.

#### 1.2 Feature Description

The Generac RD025 is a 25kW AC, diesel generator is one of the generators selected as part of the T-Mobile RFP in support of the nationwide cell site hardening plan. The RD025 has a Level 2 acoustic enclosure, 3 phase sensing, and +-0.25% digital voltage regulation. It is equipped with RS232, RS485 and canbus remote ports and Evolution control panel. It is also equipped with a automatic transfer switch, the RXSC200A3 (Automatic Transfer Switch) Controls the process of transferring commercial AC power and generator power. The RXSC200A3 is a 200Amp, switch that is programmed to perform engine test runs and also has adjustable engine run time capabilities. For RXSC200A3 Owners Manual and full feature descriptions LINK.

#### 1.3 Dimensions

The dimensions of a level 2 Acoustic Enclosure L  $\times$  W  $\times$  H in inches 103.4  $\times$  35  $\times$  91.7. T-Mobile requires a 36-inch radius around the generator that will cover the 18" door swing on the generator.



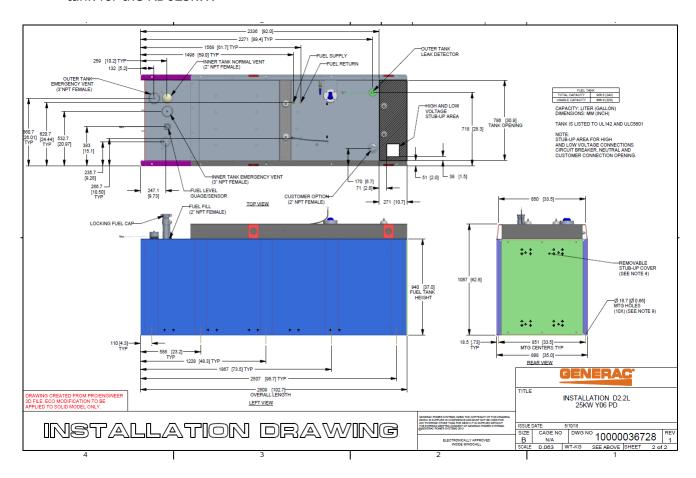
Weights and Dimensions

U	nit Weight - Ibs	Unit Weight with Skid - Ibs	Dimensions (L x W x H) - in
2,	,123	2,161	103.4 x 35.0 x 73.8



#### 2 Fuel Tanks

The RD025 has a 102.7" 240 Gallon Double-Wall UL142 Base tank to provide 98 hours of backup power at full load deployed on site. Below is the Install drawing for the 240-gallon tank for the RD025kW.



#### 3 RXSC200A3 ATS/ Controller

#### 3.1 Hardware

The RD025 will come with a RXSC200A3 and an Evollution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

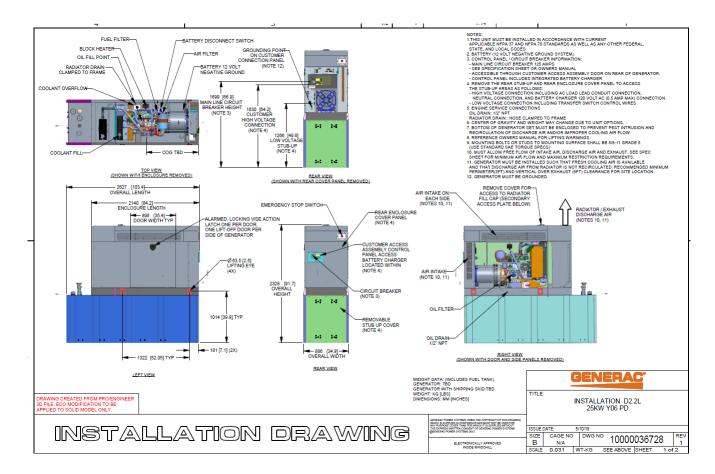


RXSC200A3 Link

RXSC200A3 install drawing Link

Evollution controller spec sheet Link

RD025 installation drawings and supporting documentation Link



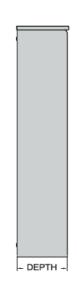
#### 3.2 RXSC200A3 Automatic Transfer Switch

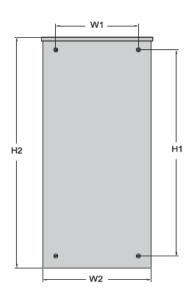
The RXSC200A3 (Automatic Transfer Switch) is equiped with the following functions. Utility voltage drop-out <65%. Timer to Generator start: 10 second factory set, adjustable between 2-1500 seconds. Engine Warm up delay: 5 seconds. Standby Voltage Sensor: 65% for 5 seconds. Utility Voltage Pickup >80%. Re-Transfer Time Delay: 15 seconds. Engine Cool-Down Timer: 60 seconds. Exerciser: 5 or 12 minute adjustable weekly/by-weekly/monthly. The transfer switch can also be operated manually without power applied



#### **RXSC200A3 Dimensions**

Мо	del	RXSC200A3
Height	HI	17.24/437.9
(in./mm)	H2	20/508
Width	WI	12.5/317.5
(in./mm)	W2	14.6/370.8
Depth (i	in./mm)	7.09/180.1
Weight (I	bs./kilos)	20/9.07







#### 4 Architecture/Alarms

#### 4.1 Interfaces and Alarming

The generator will be monitored by external alarms, conduit and cat five cables have to be installed from the Evolution Controllers Low Voltage Box located in the Generac generator to the appropriate cell site equipment. Nokia FSEB or FSEE and in Ericsson the SAU.

At a Nokia site, this connection is at the FSEB or an FSEE module. For the wiring diagram and instructions for the FSEB click the <u>Link</u>. (The FSEE is the Nokia module that will be replacing the FSEB. For details on the FSEE contact: HQNokiaCellsiteDesigns@T-Moblie.com)

Ericsson sites will connect to the SAU module via OVP Expansion Kit for 8 External Alarms. Product number: UTOVP-ALM8EXP. For the wiring diagram and instructions for this click the link.

The RXSC200A3 has auxiliary contacts that will facilitate the *ATS in Emergency position* alarm and will be a Normally Closed contact. Below is the wiring schematic for this contact and it can be found in the RXSC200A3 owners manual.

#### Auxiliary Contact

See *Figure 3-4*. If desired, there is one normally-closed Auxiliary Contact (A) on the transfer switch to operate customer accessories, remote advisory lights, or remote annunciator devices. A suitable power source must be connected to the common terminal. If needed, an extra auxiliary contact can be added.

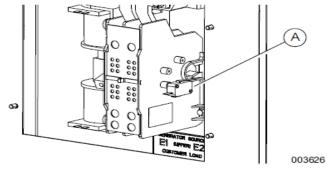


Figure 3-4. Auxiliary Contact

The auxiliary contact is normally closed when the transfer switch is in utility mode. The contacts will open when the transfer switch is in the standby power mode.

**NOTE:** Auxiliary Contact is rated 10 amps at 125 or 250 volts AC, and 0.6 amps at 125 volts DC.

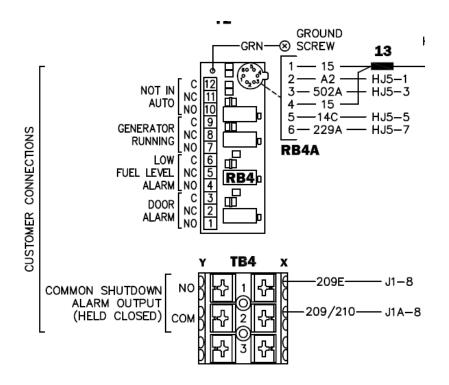
#### **▲**CAUTION

Equipment damage. Exceeding rated voltage and current will damage the auxiliary contacts. Verify that voltage and current are within specification before energizing this equipment. (000134a)



T-Mobile has four relays available from the Generac controller that are user-defined. T-Mobile can have four-alarm categories and a limitless number of subcategories. T- Mobile will utilize Normally Closed (NC) dry contacts for alarms in Low Voltage Connection box in the spare outputs section. Ericsson cabinets need to be equipped with the alarm expansion kit (UTOVP-ALM8EXP) to handle external alarms.

#### **Customer Connections Inside the RD025**



#### **Ericsson UTOVP- ALM8EXP**





Evolution Controller Customer					
Connections	Nokia FSEB Alarm Connections 13-24	T-Mobile Standard Alarms			
NC#8-Gen Running	NC 4110 grd 4111 pin 13	Generator Running			
NC#11-Not In Auto	NC 4110 grd 4111 pin 14	Generator Alarm Critical			
NC#2-Door Alarm	NC 4110 grd 4111 pin 15	Generator Alarm NSI			
NC#5-Low Fuel	NC 4110 grd 4111 pin 16	Low Fuel			
RXSC200A3-Auxiliary Contacts	NC 4110 grd 4111 pin 17	ATS in Emergency Position			

Evolution Controller Customer					
Connections	Ericsson Alarm 8expConnections	T-Mobile Standard Alarms			
NC#8- Gen. Running	NC - A5	Generator Running			
NC#11-Not In Auto	NC - A6	Generator Alarm Critical			
NC#2-Door Alarm	NC - A7	Generator Alarm NSI			
NC#5-Low Fuel	NC - A8	Low Fuel			
RXSC200A3-Auxiliary Contacts	NC - A9	ATS in Emergency Position			

#### **5** Regulatory Requirements

Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

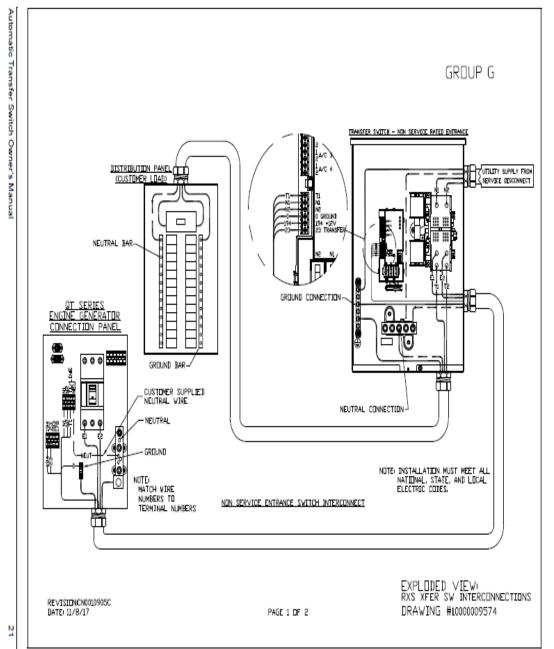
#### **6** Configuration/Diagrams

The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.

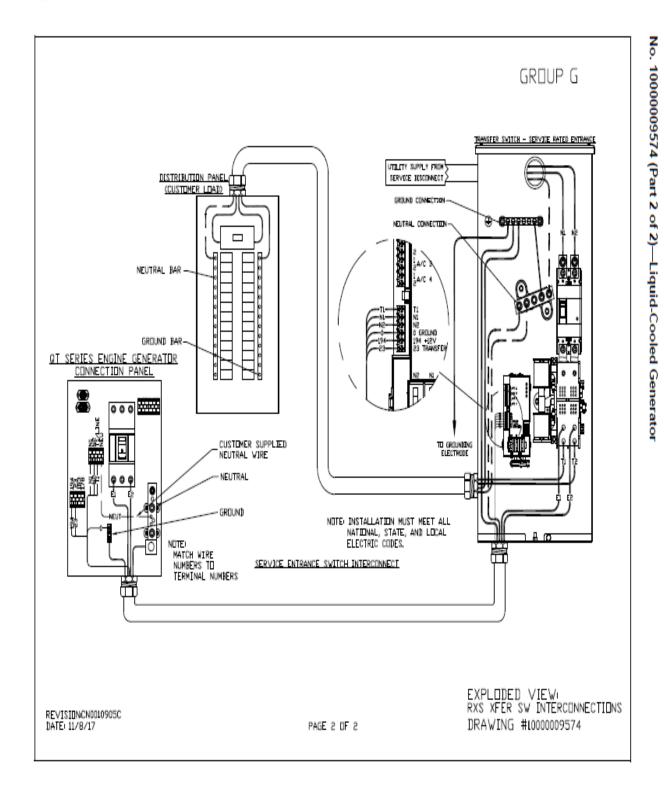


## Commercial Power Connection Points On The RXSC200A3



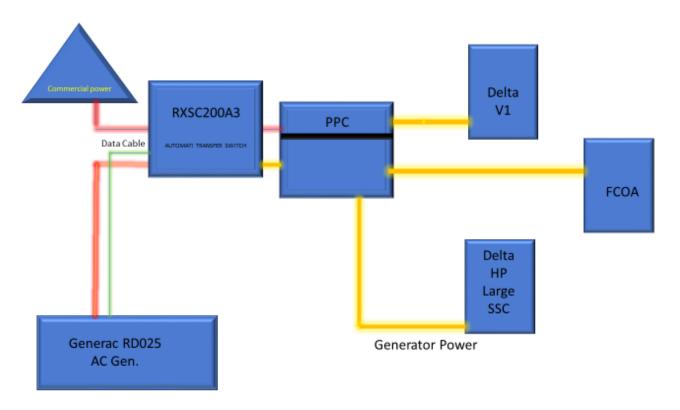








### **Compound Diagram:**





#### 7 Maintenance

T-Mobile is recommending preventive maintenance to be performed every 250 hours of runtime or every 12 months, whichever comes first.

T-Mobile requires this minimum service checklist for the generator engine:

- Check engine mounts and support. Tighten fasteners.
- Check all the engine hoses and clamps for proper fit, and any signs of cracking and fatigue from wear.
- Inspect all belts for signs of cracking and fatigue from wear and adjust for proper tension.
- Inspect the exhaust system for leaks, burns and wet stacking. Drain exhaust line and tighten any clamps and flange bolts.
- Inspect silencer and plumbing for leaks, cracks or any other signs of wear.
- Inspect the system for fuel, oil and coolant leaks and signs of corrosion.
- Replace water separator.
- Replace water filter/ conditioner.
- Check Anti-Freeze (Spector-Analysis).
- Check coolant level and add, if needed.
- Inspect radiator mounting for signs or wear and cracking.
- Inspect/ clean air filter and change per manufacturer specifications.
- Inspect air intakes and outlets and tighten clamps and brackets, if applicable.

- Replace fuel filter.
- Inspect the carburetor fuel injection system, fuel injection pump and choke, if equipped.
   Adjust to manufacturers specifications.
- Change engine oil, oil filter and record the date on the filter casing.
- Check engine heater operation, if equipped.
- Check and adjust the battery charger operations, and charge rate within the manufacturer's recommended operating specifications.



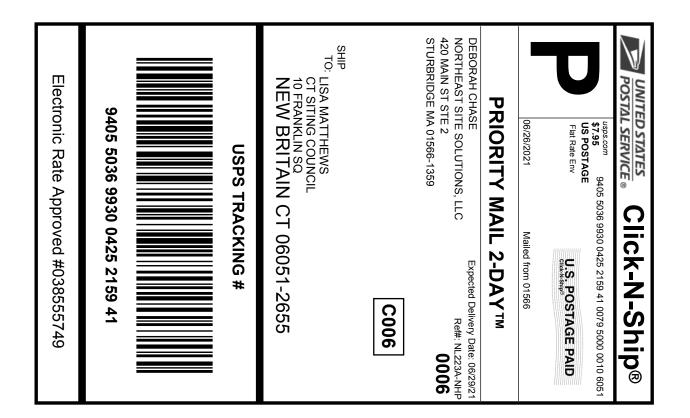
- Inspect the battery housing, hardware connections, and cables for corrosion and wear.
- Check the battery electrolyte levels and specific gravity levels.
- Load test generator battery.
- Check, adjust and record generator output voltage, as necessary.
- Check and record the alternator charge rate.
- During inspection run the generator for 30 minutes under load. During this time, and after the
  engine is at full operational speed and has reached engine operating temperature; determine
  and record the condition of all inspection points: oil pressure, water/ coolant temperature,
  Fuel pressure, generator gauge, indicator operations, generator battery.
- Check the engine timing and adjust to manufacturers specifications, if necessary.

Rev. 1.0 5/14/2018

- Inspect, adjust and record governor and frequency, if necessary.
- Verify that the low fuel alarm is operational and configured correctly to trigger when the fuel tank reaches 50% of fuel tank capacity.

Check fuel level and refuel the generator during the preventive/ corrective maintenance visit.

## Exhibit E





#### Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0425 2159 41

536805439 06/23/2021 Trans. #: Print Date: Ship Date: 06/26/2021 06/29/2021 Delivery Date:

Priority Mail® Postage: Total:

\$7.95 \$7.95

From: DEBORAH CHASE Ref#: NL223A-NHP

NORTHEAST SITE SOLUTIONS, LLC

420 MAIN ST STF 2

**STURBRIDGE MA 01566-1359** 

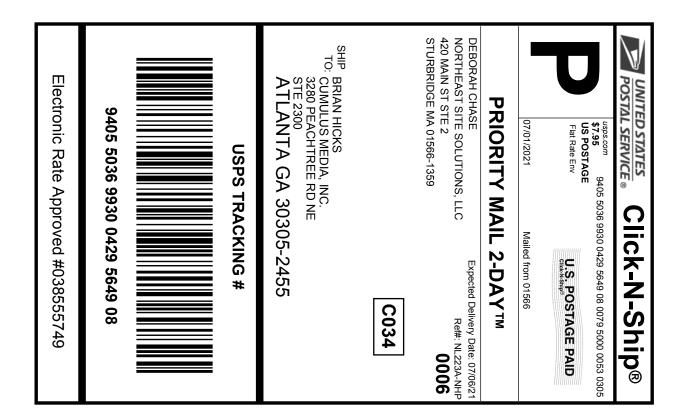
LISA MATTHEWS

CT SITING COUNCIL 10 FRANKLIN SQ

NEW BRITAIN CT 06051-2655

Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

## Exhibit F





#### Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO **COPY OR ALTER LABEL.**
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0429 5649 08

537161458 06/28/2021 Trans. #: Print Date: Ship Date: 07/01/2021 07/06/2021 Delivery Date:

Priority Mail® Postage: Total:

\$7.95 \$7.95

From: DEBORAH CHASE

Ref#: NL223A-NHP

NORTHEAST SITE SOLUTIONS, LLC

420 MAIN ST STF 2

**STURBRIDGE MA 01566-1359** 

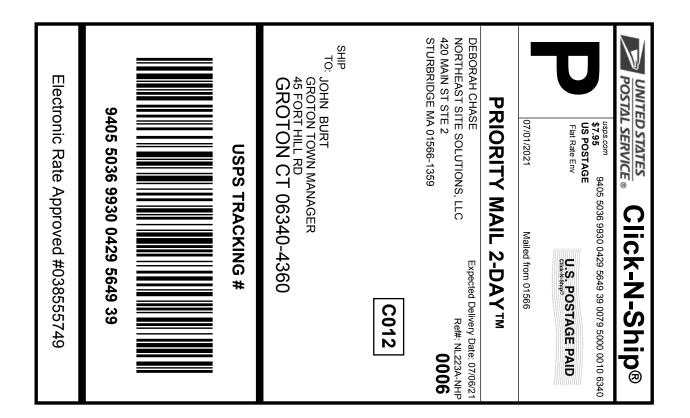
**BRIAN HICKS** 

CUMULUS MEDIA, INC. 3280 PEACHTREE RD NE

STE 2300

ATLANTA GA 30305-2455

\* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.





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#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0429 5649 39

537161458 06/28/2021 Trans. #: Print Date: Ship Date: 07/01/2021 07/06/2021 Delivery Date:

Priority Mail® Postage: Total:

\$7.95 \$7.95

From: DEBORAH CHASE Ref#: NL223A-NHP

NORTHEAST SITE SOLUTIONS, LLC

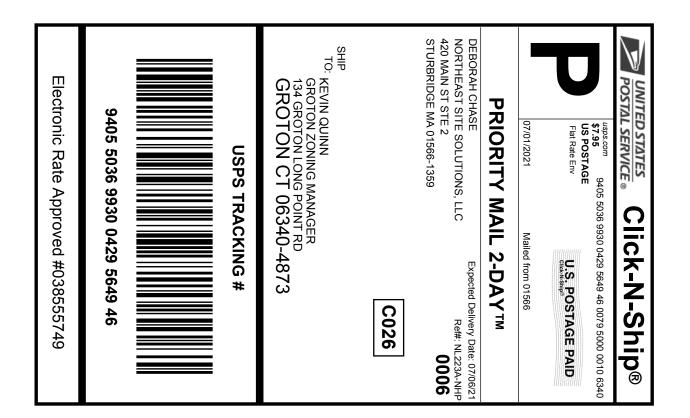
420 MAIN ST STF 2

**STURBRIDGE MA 01566-1359** 

JOHN BURT

**GROTON TOWN MANAGER** 45 FORT HILL RD GROTON CT 06340-4360

Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.





#### Instructions

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#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0429 5649 46

537161458 06/28/2021 Trans. #: Print Date: Ship Date: 07/01/2021 07/06/2021 Delivery Date:

Priority Mail® Postage: Total:

\$7.95 \$7.95

Ref#: NL223A-NHP From: DEBORAH CHASE

NORTHEAST SITE SOLUTIONS, LLC

420 MAIN ST STF 2

**STURBRIDGE MA 01566-1359** 

**KEVIN QUINN** 

**GROTON ZONING MANAGER** 134 GROTON LONG POINT RD GROTON CT 06340-4873

Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.