

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

June 29, 2022

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

RE: Notice of Exempt Modification 848 East Street, Suffield, CT 06078

> Latitude: 41.957000 Longitude: -72.625722

T-Mobile Site#: CTHA160A _NHP

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 162-foot mount on the existing 166-foot monopole tower located at 848 East Street in Suffield. The property is owned by Town of Suffield and the tower is owned by Crown Castle. T-Mobile now intends to add a 48Kw generator to a new 4' X 9' concrete pad within existing compound.

Planned Modifications:

Ground work only-Install New:

- (1) GENERAC RD 48KW AC DIESEL GENERATOR 233-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles bi-weekly.
- (1) 4'x9" Concrete pad



The facility was approved by the Town of Suffield Planning & Zoning Commission on May 1, 2000. Please see attached

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-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. § 16-50j-73, a copy of this letter is being sent to Melissa Mack, First Selectwoman, and Bill Hawkins, Director of Planning & Development for the Town of Suffield. A copy is also being sent to the tower owner and property 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:

Melissa Mack - First Selectwoman & Property Owner Town of Suffield 83 Mountain Road, Suffield, CT 06078

Bill Hawkins - Director of Planning & Development Town of Suffield 83 Mountain Road, Suffield, CT 06078

Crown Castle, Tower Owner

Exhibit A

SUFFIELD ZONING AND PLANNING COMMISSION MINUTES OF A SPECIAL MEETING MAY 1, 2000

PRESENT:Dr.	
Mr.	Stephen Martin, Secretary
Mr.	Lawrence Boudreau, Alternate
Mr,	Christopher Burke
Mr.	Chester Kuras
	Timothy Reynolds, Alternate
ABSENTMr.	Frank Bauchiero, Jr.
	David Berto, Alternate
Mr.	
ALSO PRESENT:Mr.	William Kweder, Planning Consultant Gerald Turbet, Town Engineer

Chairman Viets called the Special Meeting to order at 7:38 P.M.

File #740— Request of Suffield Economic Development Commission for a special use permit for the approval of sites for communication towers located on Town properties: WPCA, Highway Department, and Landfill. Discussion tabled from the April 17, 2000 Regular Meeting.

Chairman Viets appointed Mr. Reynolds as voting alternate since he had been present at the public hearing on File #740.

Mr. Boudreau stated that he had not been present nor had he listened to the hearing tapes. Therefore, voting members numbered five.

Chairman Viets asked if the requested information from the State Historic Preservation Office concerning the impact on the Hatheway House had been received. Mr. Kweder reported that no information had been received to this date. Upon questioning, it was found that the applicant had received a letter, but it had not been forwarded to the Commission.

Crown Atlantic Company's attorney, Kenneth Baldwin, presented the State Historic Preservation Office (SHPO) letter, dated April 11, 2000, to Commission. Chairman Viets read the letter to the Commission for the record. The had been sent prior to the public hearing when the Town Garage Site was proposed to support a 180-foot tower. The size of the tower was reduced (public hearing testimony) to 120-feet. The Commission proceeded to review the three proposed tower sites beginning with the Town Garage.

Mr. Turbet suggested that, if the three sites were approved, general conditions be approved for all three locations. These conditions, in brief, are:

- 1. provision of detail;
- 2. submission of FCC licenses for each company;
- 3. revision of site plans;
- 4. provisions of self-collapsing towers certified by a registered Connecticut professional engineer;

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SUFFIELD ZONING AND PLANNING COMMISSION MEETING MINUTES SPECIAL MEETING MAY 1, 2000

5. under-grounding of utilities;

6. sign-off by the Zoning Enforcement Official on each application;

7. height limits to include antennae at tops of structures.

The Public Garage site tower was reduced from 180-feet to 120-feet. The Commission members reviewed pictures of the site with and without the tower from South Main Street along with the view-shed map for this site, and discussed the location in respect to visibility.

The WPCA Site tower was reduced from 199-feet to 174-feet. The Commission members reviewed view-shed maps and discussed the location in respect to visibility.

The Transfer Station Site tower was 199-feet. The same procedure was followed in respect to visibility.

Following an extensive discussion, a motion was made by Mr. Martin, seconded by Mr. Burke, to approve a special use permit for the Town of Suffield for three (3) proposed telecommunication sites located as designated:

- 1. Town of Suffield Transfer Station site on the west side of Mountain Road (Route 168), on undeveloped land west of the Transfer Station operations (Site A);
- 2. Town of Suffield Public Works garage/maintenance facility off of Mountain Road, on land immediately adjacent to the Maintenance Facility Building (Site B); and
- 3. Town of Suffield Sewage Treatment Plant on the east side of East Street (Route 159), on undeveloped land along the north side of the Treatment's Plant's access driveway (Site C).

with the following conditions:

- 1. The heights of the respective mono-pole towers, including antennae, shall not exceed 199-feet (Site A); 120-feet (Site B); and 174-feet (Site C);
- 2. Each tower shall be certified as "self-collapsing" by a Connecticut registered professional engineer;
- 3. Details drawings are to be submitted with each request for building permits for both the towers and related facilities;
- 4. FCC licenses shall be produced prior to the issuance of the permits for company leasing space on the towers;
- 5. The Zoning Enforcement Officer shall review each proposal for zoning conformance prior to the issuance of the building permits;
- 6. All utilities are to be underground;
- 7. Site plans are to be revised.

The motion was approved 5-0-0.

Mr. Boudreau was seated for the next item of business.

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SUFFIELD ZONING AND PLANNING COMMISSION MEETING MINUTES SPECIAL MEETING MAY 1, 2000

File #740A – Request of the Board of Selectmen for a report on the proposed twenty-year lease of portions of Town property known as:

- 1. Transfer Station;
- 2. Town Yard:
- 3. Sewer Plant.

First Selectman, Robert Skinner, sat as an ex-officio member of the Commission and answered various questions from the members regarding the lease agreement.

Following discussion, a motion was made by Mr. Burke, seconded by Mr. Reynolds, to forward a favorable report to the Board of Selectmen, as required under CGS 8-24, concerning a lease agreement between Crown Atlantic Company, LLC as Lessee and the Town of Suffield as the Lessor for sites for telecommunication towers located on Town properties as follows:

- 1. Town of Suffield Transfer Station site on the west side of Mountain Road (Route 168), on undeveloped land west of the Transfer Station operations (Site A);
- 2. Town of Suffield Public Works garage/maintenance facility off of Mountain Road, on land immediately adjacent to the Maintenance Facility Building (Site B); and
- 3. Town of Suffield Sewage Treatment Plant on the east side of East Street (Route 159), on undeveloped land along the north side of the Treatment's Plant's access driveway (Site C).

The motion was approved 6-0-0.

There, being no further business before the Special Meeting, a motion was made by Mr. Burke, seconded by Mr. Reynolds, to adjourn. The motion was 6-0-0. The Special Meeting was adjourned at 8:30 P.M.

Respectfully submitted,

Stephen J. Martin, Secretary

WGK:SJM:bgk

Exhibit B

848 EAST ST S

Location 848 EAST ST S **Mblu** 69/H 55/ 78/ /

Acct# 69524 Owner SUFFIELD TOWN OF

Assessment \$88,130 Appraisal \$125,900

PID 4244 Building Count 1

Current Value

Appraisal Appraisal				
Valuation Year	Total			
2018 \$0 \$125,900		\$125,900		
	Assessment			
Valuation Year Improvements Land Total				
2018		\$0 \$88,13	\$88,130	

Owner of Record

Owner SUFFIELD TOWN OF **Sale Price** \$75,000

Co-Owner TOWN HALL Certificate

Address 83 MOUNTAIN RD Book & Page 200/ 182

SUFFIELD, CT 06078 Sale Date 06/19/1987

Ownership History

Ownership History				
Owner Sale Price Certificate			Book & Page	Sale Date
SUFFIELD TOWN OF	\$75,000		200/ 182	06/19/1987
HANZALEK ASTRID T	\$0		102/ 78	07/09/1962

Building Information

Building 1 : Section 1

Year Built:

Living Area: 0
Replacement Cost: \$0
Building Percent Good:

Replacement Cost

Less Depreciation: \$0

Building Attributes		
Field	Description	
Style	Vacant Land	
Model		
Grade:		
Stories:		
Occupancy		
Exterior Wall 1		
Exterior Wall 2		
Roof Structure:		
Roof Cover		
Interior Wall 1		
Interior Wall 2		
Interior Flr 1		
Interior Flr 2		
Heat Fuel		
Heat Type:		
AC Type:		
Total Bedrooms:		
Total Bthrms:		
Total Half Baths:		
Total Xtra Fixtrs:		
Total Rooms:		
Bath Style:		
Kitchen Style:		

Building Photo



(http://images.vgsi.com/photos/SuffieldCTPhotos//default.jpg)

Building Layout

(http://images.vgsi.com/photos/SuffieldCTPhotos//Sketches/4244_4512.jpc

Building Sub-Areas (sq ft)	<u>Legend</u>
No Data for Building Sub-Areas	

Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use		Land Line Valuation	
Use Code	903V	Size (Acres)	4.7
Description	Mun Town MDL-00	Frontage	0
Zone	PDIP	Depth	0
Neighborhood	С	Assessed Value	\$88,130
Alt Land Appr	No	Appraised Value	\$125,900
Category			

Outbuildings

Outbuildings	<u>Legend</u>
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Land	Total	
2019	\$0	\$125,900	\$125,900
2018	\$0	\$125,900	\$125,900
2017	\$0	\$129,600	\$129,600

Assessment			
Valuation Year	Land	Total	
2019	\$0	\$88,130	\$88,130
2018	\$0	\$88,130	\$88,130
2017	\$0	\$90,720	\$90,720

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848 East Street S

Suffield, CT 06078 Building







Nearby



Save

Send to your phone

Share

Exhibit C

MODIFICATION OF EXISTING WIRELESS FACILITY BY

T··Mobile·

T-MOBILE NORTHEAST LLC

NATIONAL HARDENING PROJECT

CROWN CASTLE BU #: 801487 **SITE NUMBER: CTHA160A**

SITE NAME: CT SUFFIELD 3 CAC

SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

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

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 INCLUDING BUT NOT LIMITED TO THE LATEST EDITION OF

CONNECTICUT STATE BUILDING CODE (CSBC)

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

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 more than 30 days in advance

DATE

CONTRACTOR'S NOTES:

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 EXPENSE.

APPROVALS:

5	FSA CM	DATE
1		
2000	RF ENGINEER	DATE
	FOPS	DATE
2	T-MOBILE ENGINEERING AND DEVELOPMENT	DATE
7 1911	1-WOBIEL ENGINEERING AND DEVELOPMENT	DATE
9		DATE



SITE LOCATION 78 4.7 Ac #848 83-2

PROJECT DESCRIPTION:

THE PROJECT SCOPE CONSISTS OF INSTALLATION OF A NEW GENERAC 48 KW AC DIESEL GENERATOR AND TANK FOR AN EXISTING TELECOM BASE

NO SIGNIFICANT GRADING IS REQUIRED AND ALL PROPOSED CONSTRUCTION WILL BE CONTAINED WITHIN THE LIMITS OF THE EXISTING TOWER SITE LEASE AREA

PROJECT INFORMATION:

ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

STRUCTURE TYPE: MONOPOLE PARCEL ID:

41°57'25.2" N, 72°37'32.6" W GROUND ELEV 114'± (AMSL)

PROJECT TEAM:

APPLICANT: T-MOBILE NORTHEAST, LLC.

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002

860-692-7100

TOWER OWNER: CROWN CASTLE INC. 2000 CORPORATE DRIVE

CANONSBURG, PA 15317

NORTHEAST SITE SOLUTIONS PROJECT MANAGER

420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 SHELDON ERFINCLE

SHELDON@NORTHEASTSITESOLUTIONS.COM

201-776-8521

ENGINEERING CONSULTANTS: FORESITE LLC

462 WALNUT ST NEWTON, MA 02460 SAEED MOSSAVAT

SMOSSAVAT@FORESITELLC.COM

SHEET INDEX:

TITLE SHEET GENERAL NOTES

SITE PLAN

GENERATOR SPECIFICATIONS

GENERATOR SPECIFICATIONS
AUTOMATIC TRANSFER SWITCH SPECIFICATIONS A-4:

CONCRETE PAD DETAILS A-5:

GROUNDING DETAILS

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

CONSULTANT:



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



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DESCRIPTION

ı	KEV	DESCRIPTION	DATE
l	Α	PRELIMINARY	04/05/22
l	В	REVISED EQUIPMENT LOCATION	04/08/22
l	0	FINAL ISSUED	04/25/22
l	1	REVISED EQUIPMENT LOCATION	06/13/22
l			
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4			

DATE

CROWN BU #: 801487 SITE NUMBER: CTHA160A

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 FAST STREET SUFFIELD, CT 06078

> SHEET TITLE: T-1: TITLE SHEET

GENERAL NOTES:

- 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" ϕ 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. 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
- 15. 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

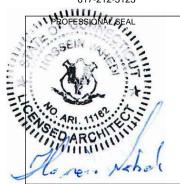


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

CONSULTANT:



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



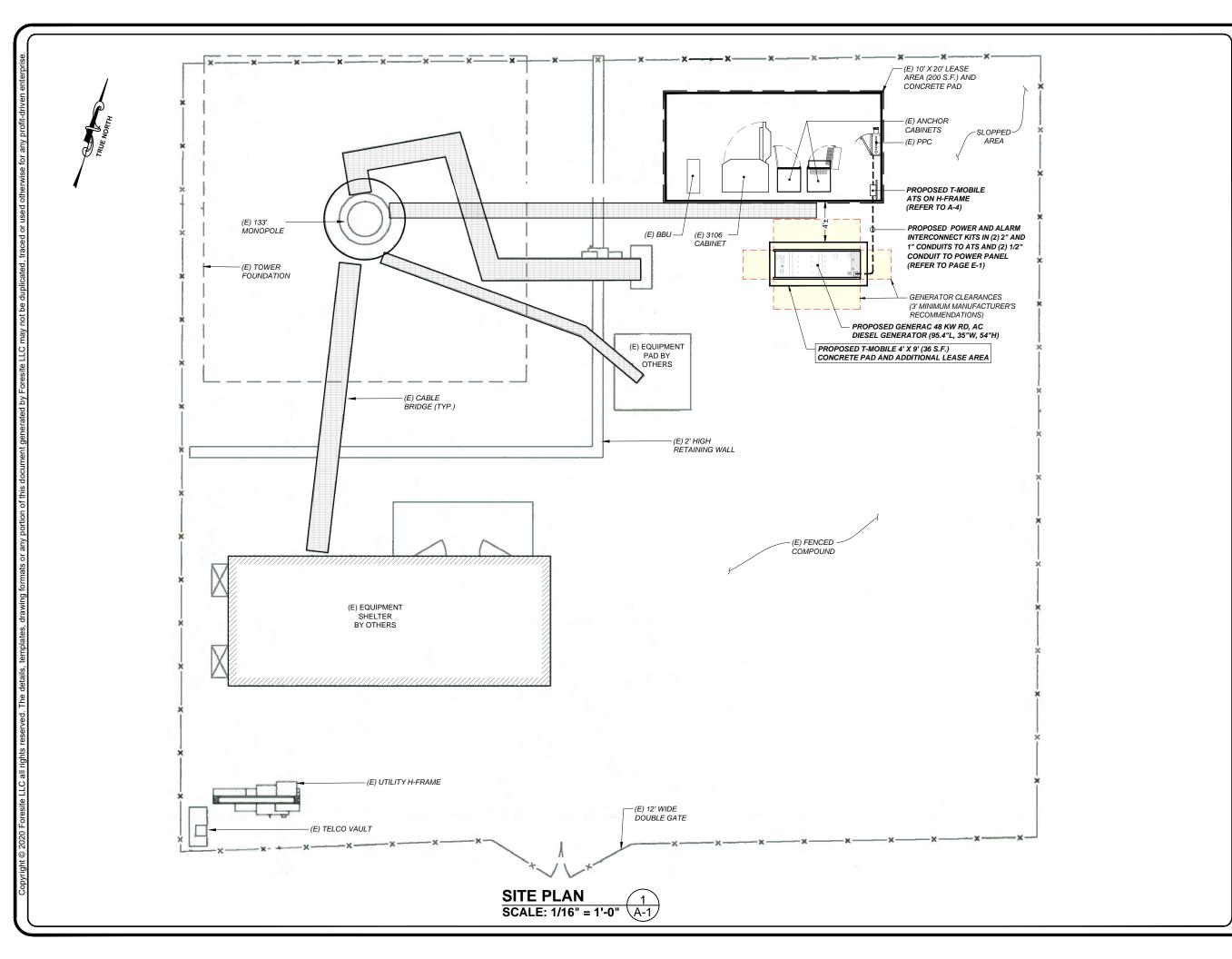
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SITE NUMBER: CTHA160A SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD. CT 06078

CROWN BU #: 801487

SHEET TITLE:



APPLICANT:

T - Mobile -

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

PROJECT MANAGER



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

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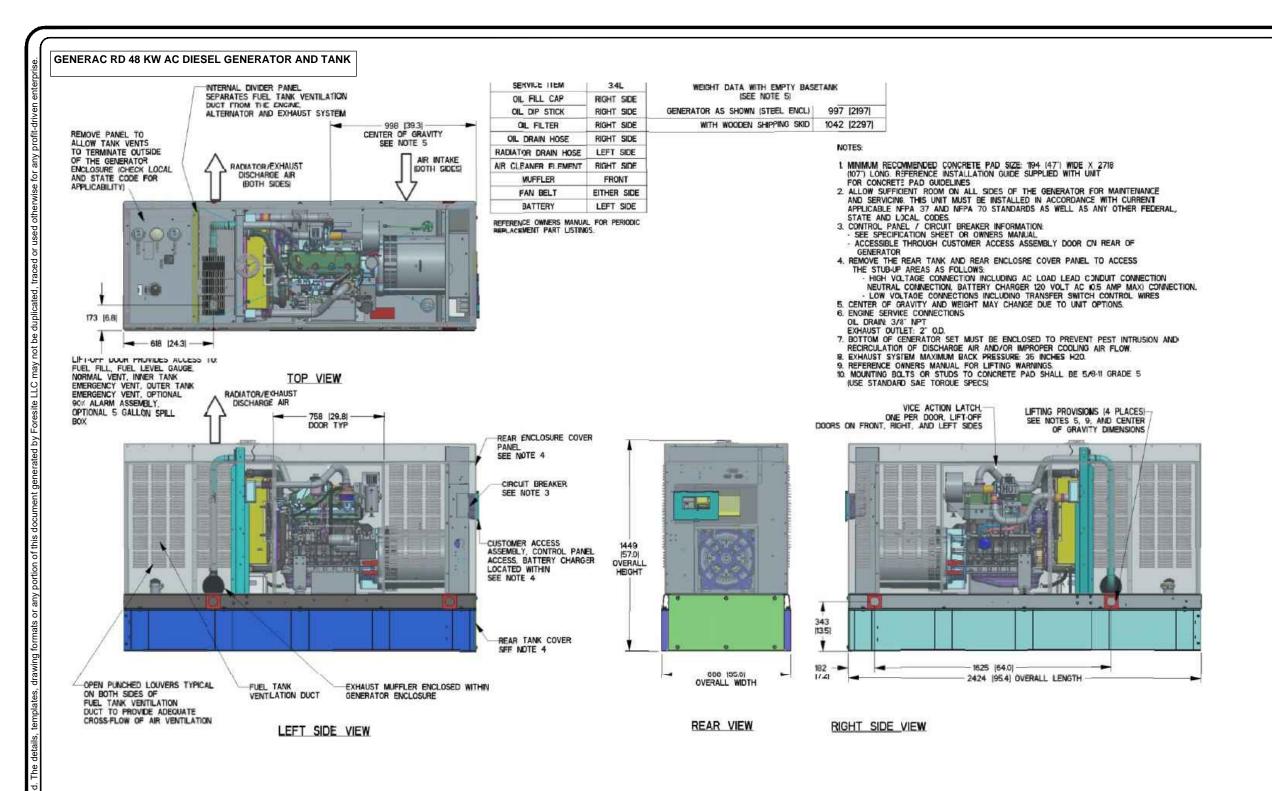
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CROWN BU #: 801487 SITE NUMBER: CTHA160A

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

> SHEET TITLE: A-1: PLAN



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

CONSULTANT:



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



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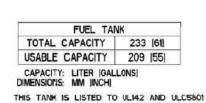
CROWN BU #: 801487 SITE NUMBER: CTHA160A

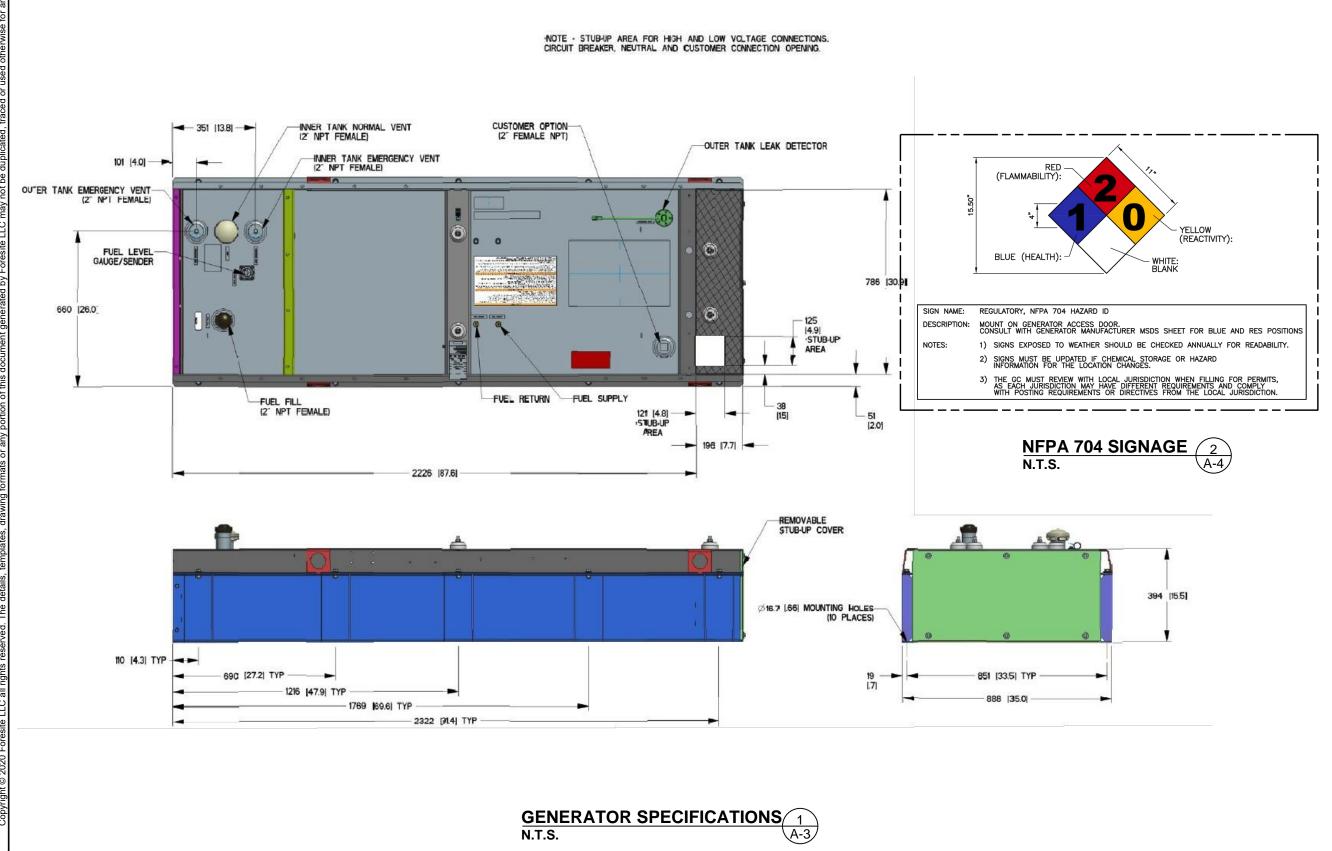
SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

SHEET TITLE:

A-2: GENERATOR SPECIFICATIONS

GENERATOR SPECIFICATION 1
SCALE: N.T.S.





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

CONSULTANT:



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



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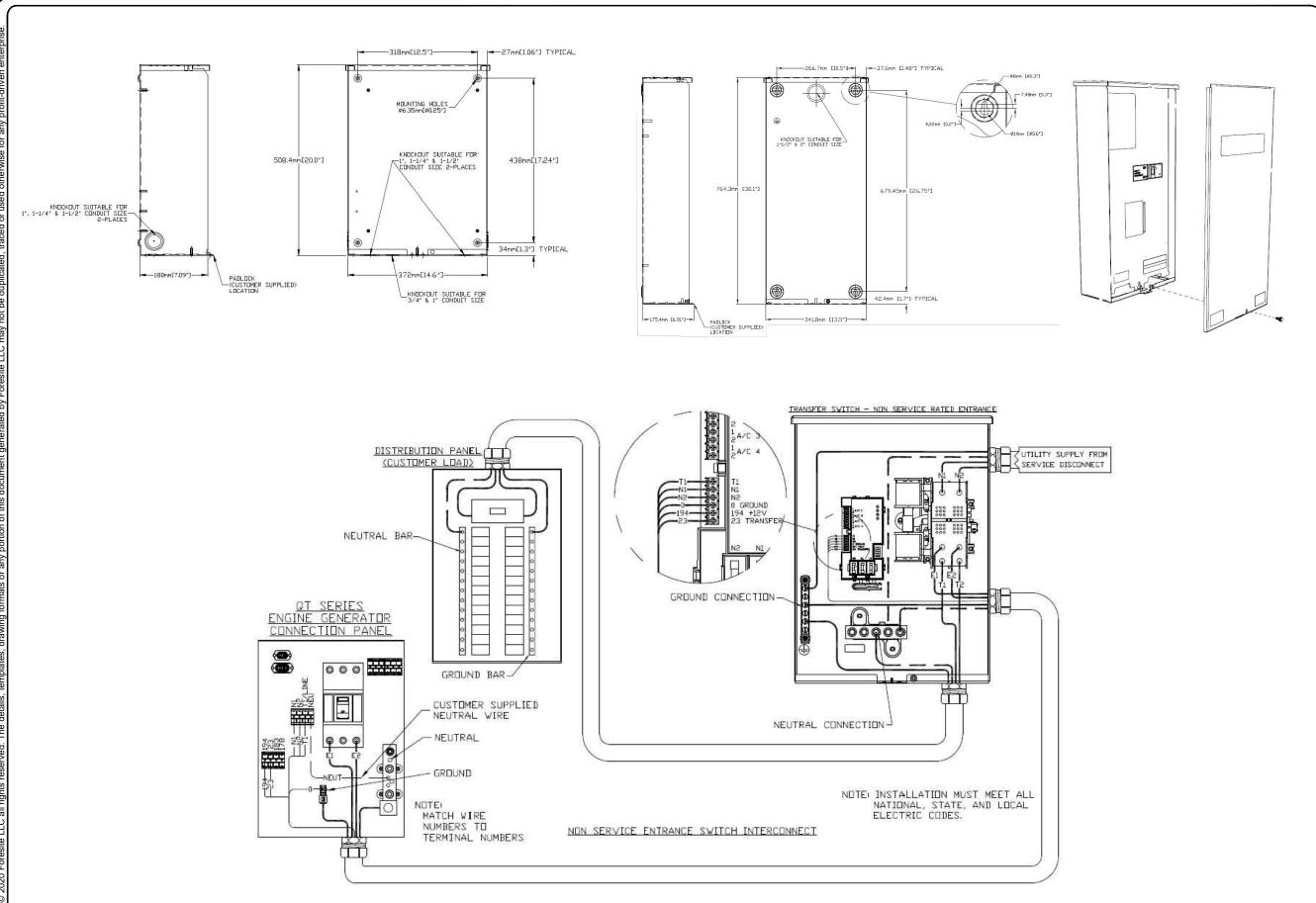
l	REV	DESCRIPTION	DATE
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l	0	FINAL ISSUED	04/25/22
l	1	REVISED EQUIPMENT LOCATION	06/13/22
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CROWN BU #: 801487 SITE NUMBER: CTHA160A SITE NAME: CT SUFFIELD 3 CAC

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

SHEET TITLE:

A-3: GENERATOR SPECIFICATIONS



AUTOMATIC TRANSFER SWITCH DETAILS 1

SCALE: N.T.S.

APPLICANT:

T - Mobile -

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

PROJECT MANAGER

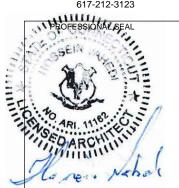


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

CONSULTANT:



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



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CROWN BU #: 801487 SITE NUMBER: CTHA160A

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

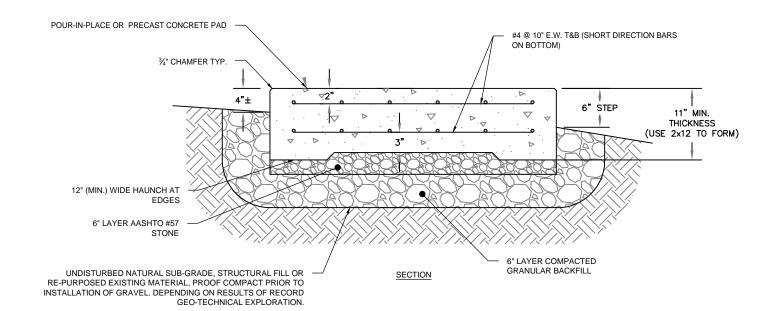
SHEET TITLE: A-4: AUTOMATIC TRANSFER SWITCH DETAILS CONSTRUCTION NOTES:
- (HAND-DUG UTILITY TRENCH EXCAVATION REQUIRED):

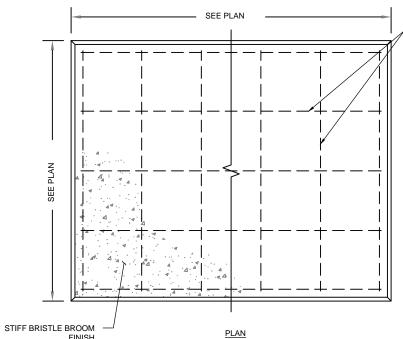
EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE

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.





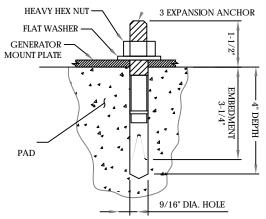
#4 @ 10" E.W. T&B (SHORT DIRECTION BARS ON BOTTOM)

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(\pm 1)% AIR ENTRAINMENT, 4(\pm 1)'SLUMP AND BRISTLE BROOM FINISH.



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 SCALE: N.T.S.



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

CONSULTANT:



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



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CROWN BU #: 801487 SITE NUMBER: CTHA160A SITE NAME: CT SUFFIELD 3 CAC

SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

SHEET TITLE:

A-5: CONCRETE PAD DETAILS

CONCRETE PAD DETAILS SCALE: N.T.S.

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.

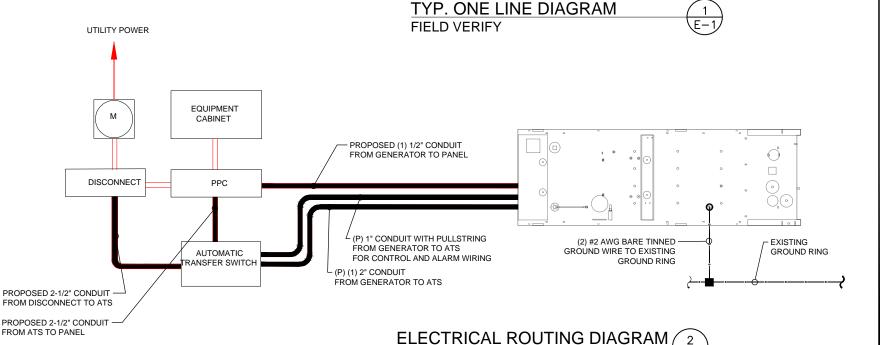
GROUNDING NOTES:

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

(3) #1/0 & (1) #6G (CU THHN) IN 2"C (P) ON-BOARD 200A CIRCUIT BREAKER (HEIGHT 66.9")(SEE SHEET A-3) (GENERATOR DISCONNECTING MEANS SHALL COMPLY WITH NEC 445.18 (B)) (E) T-MOBILE 200A - FUSED 120/240 V SINGLE PHASE DISCONNECT (P) GENERAC 25 KW AC DIESEL GENERATOR 120/240-1φ-3W (P) (2) 1/2" CONDUIT WITH (3) 3/0 & (1) #4 GND (P) GENERAC 200A, 240V **AUTOMATIC TRANSFER SWITCH** (P) 1/2" CONDUIT WITH (ALL EXTERIOR ELECTRICAL (4) #12 & (2) #12 GND (P) 1" CONDUIT WITH PULL STRING **FQUIPMENT TO HAVE NEMA 3R** TO POWER PANEL FROM GENERATOR TO ATS **ENCLOSURES. SEE NOTE 8)** FOR CONTROL AND ALARM WIRING мтя | 🖒 0-(E) 200A GENERATOR RECEPTACLE (E) POWER PANEL (F) PPC TO (E) EQUIPMENT



SCALE: N.T.S

APPLICANT:

T - Mobile-T-Mobile Northeast LLC

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

PROJECT MANAGER

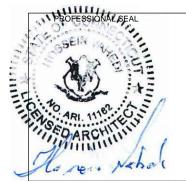


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

CONSULTANT:



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



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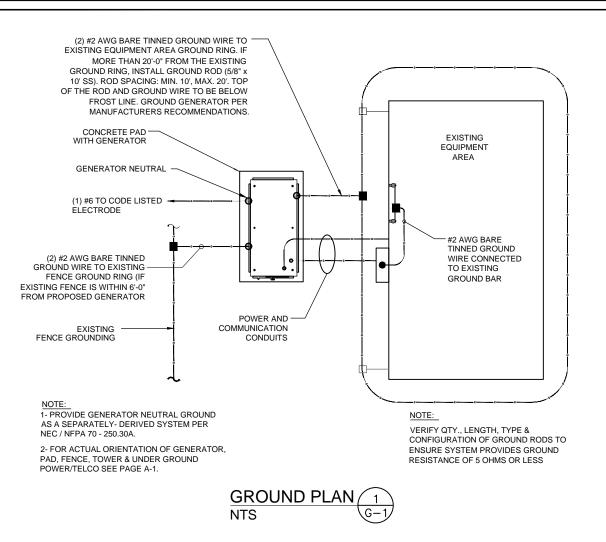
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CROWN BU #: 801487 SITE NUMBER: CTHA160A

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD. CT 06078

SHEET TITLE:

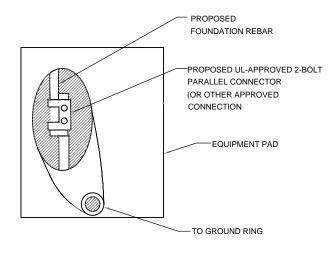
E-1: ELECTRICAL DETAILS



NOTES:

- 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



EQUIPMENT PAD GROUNDING 2

NOTE:

CONTRACTOR TO USE CLEAR OR GRAY
SILICONE AS NECESSARY TO SEAL LIQUID
TIGHT FLEXIBLE NON-METALLIC CONDUIT.

PROPOSED LIQUID
TIGHT FLEXIBLE
NON-METALLIC
CONDUIT

PROPOSED #2 SOLID

TINNED COPPER WIRE

GROUND WIRE WEATHERPROOFING NTS

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

CONSULTANT:



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



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CROWN BU #: 801487 SITE NUMBER: CTHA160A SITE NAME: CT SUFFIELD 3 CAC

SITE NAME: CT SUFFIELD 3 CAC SITE ADDRESS: 848 EAST STREET SUFFIELD, CT 06078

SHEET TITLE:

G-1: GROUNDING DETAILS

Exhibit D

EPA Certified Stationary Emergency



Standby Power Rating 48 kW, 60 kVA, 60 Hz







Image used for illustration purposes only

Codes and Standards

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



UL2200, UL508, UL489, UL142



CSA 22.2





BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99



ISO 3046, 8528, 9001



NEMA ICS1, ICS10, MG1, 250, ICS6, AB1



an National Standards Institute ANSI/IEEE C62.41

Powering Ahead

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

Standard Features

ENGINE SYSTEM

- Cold Weather Kit
- Oil Drain Extension
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- · Factory Filled Oil & Coolant

Fuel System

Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension
- Can Operate at up to 122°F (50°C) Ambient Temperature

Electrical System

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

ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Sealed Bearings
- Low Temperature Rise (<120°C)
- Low THD (<5%)

GENERATOR SET

GENERAC

Sound Attenuated Aluminum Enclosure

INDUSTRIAL

- Internal Genset Vibration Isolation
- · Separation of Circuits High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- 5 Year Limited Warranty
- Ready to Accept Full Load in <10 Seconds
- E-Stop

TANKS

- 48 Hour Run Time Tank
- UL 142 Listed Tank

CONTROL SYSTEM



Evolution ™ Controller

- Two-Line Plain Text LCD Display
- Programmable Start Delay Between 10-30
- 10 second Engine Start Sequence
- 5 second Engine Warm Up
- 1 minute Engine Cool-Down
- Starter Lock-Out
- Smart Battery Charger
- Automatic Voltage Regulation with Over and Under Protection
- Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown
- High Temperature Shutdown

- Overcrank Protection
- · Safety Fused
- · Failure to Transfer Protection
- · Low Battery Protection
- 50 Even Run Log
- . Future Set Capable Exerciser
- Incorrect Wiring Protection
- Internal Fault Protection
- · Common External Fault Capability
- · Governor Failure Protection

Optional Shipped Loose and Field Install Kits

GENERATOR SET

- O Paint Kit
- O Scheduled Maintance Kit

CONTROL SYSTEM

○ Mobile Link TM and Adapter Kit

TANKS

- O Spill Box
- O 90% Fuel Alarm
- Tank Risers
- O Spill Box Drainback Kit
- O Vent Extension Support Kit
- O 5 Day Run Time Tank
- Overfill Prevention Valve
- O Fuel Fill Drop Tube
- O Lockable Fuel Cap

RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Generac
Cylinder #	4
Туре	In-Line
Displacement - in ³ (L)	3.4 (207.48)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled

Cast Iron OHV

Aluminum

Engine Governing

Cylinder Head

Piston Type

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity with Filters- qt (L)	7.4 (7.0)

Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed- rpm	2,029
Fan Diameter - in (mm)	22 (559)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Lin (mm/in)	7.94/0.31 (ID)
Fuel Return Line (mm/in)	7.94/0.31 (ID)
Fuel Filtering (microns)	25

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	Group 27F
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	Generac
Poles	4
Field Type	Rotating
Insulation Class - Rotor	Н
Insulation Class - Stator	Н
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Direct
Bearings	Single Sealed
Coupling	Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Number of Sensed Phases	2
Regulation Accuracy (Steady State)	±1.0%

RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



OPERATING DATA

POWER RATINGS

Standby

Single-Phase 120/480 VAC @0.1pf

48 kW

Amps: 200

MOTOR STARTING CAPABILITIES (SKVA)

sKVA vs. Voltage Dip at 30%

120/240 V, Single-Phase at 0.4pf	189
----------------------------------	-----

FUEL CONSUMPTION RATES*

Percent Load	Diesel gal/hr (L/hr)
25%	1.35 (5.11)
50%	2.15 (8.14)
75%	3.06 (11.58)
100%	3.98 (15.07)

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

COOLING

		Standby
Air Flow (Radiator and Alternator)	ft³/min (m³/min)	2824 (80)
Coolant System Capacity	gal (L)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or 1	.7% for every 5°F over 77°F
Altitude Deration	1% for every 100 m above 915 or 3% fo	r every 1000 ft over 3000 ft
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.50 (0.12)

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power ft ³ /min (m ³ /min)	190 (5.38)

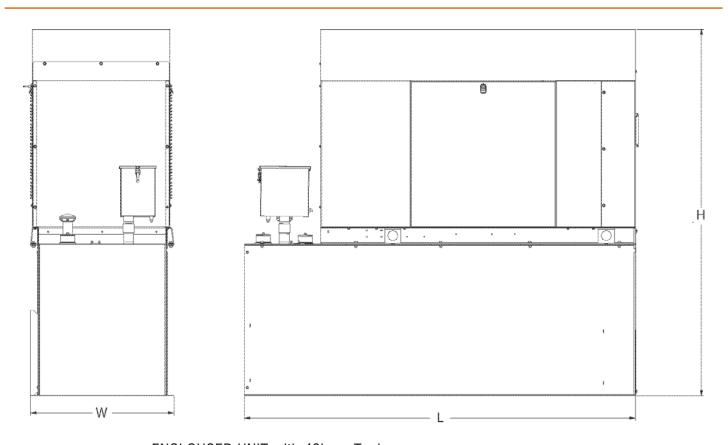
ENGINE			EXHAUST		
		Standby			Standby
Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft³/min (m³/min)	448 (12.7)
Horsepower at rated kW	HP	85	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

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



DIMENSIONS AND WEIGHTS*



ENCLOUSED UNIT with 48hour Tank

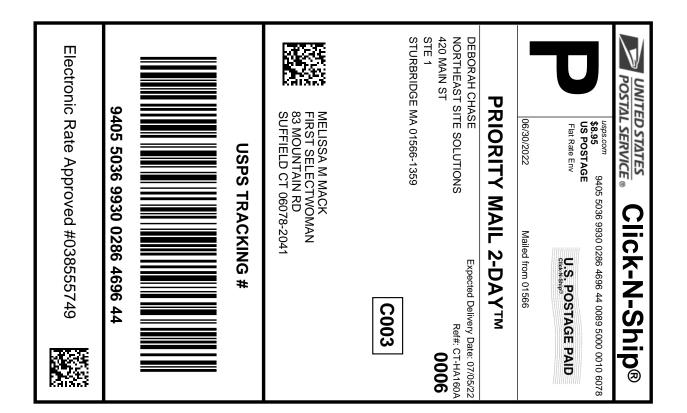
L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER				

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Exhibit E





Cut on dotted line.

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 0286 4696 44

Trans. #: 566728042 Print Date: 06/30/2022 06/30/2022 Ship Date: Delivery Date: 07/05/2022 Priority Mail® Postage: Total:

\$8.95 \$8.95

Ref#: CT-HA160A

From: **DEBORAH CHASE**

NORTHEAST SITE SOLUTIONS

420 MAIN ST

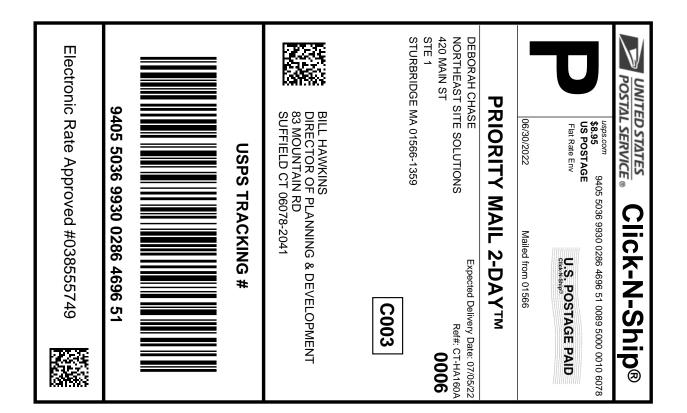
STE 1

STURBRIDGE MA 01566-1359

MELISSA M MACK

FIRST SELECTWOMAN 83 MOUNTAIN RD SUFFIELD CT 06078-2041

* 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.





Cut on dotted line.

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 0286 4696 51

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From: **DEBORAH CHASE**

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

BILL HAWKINS

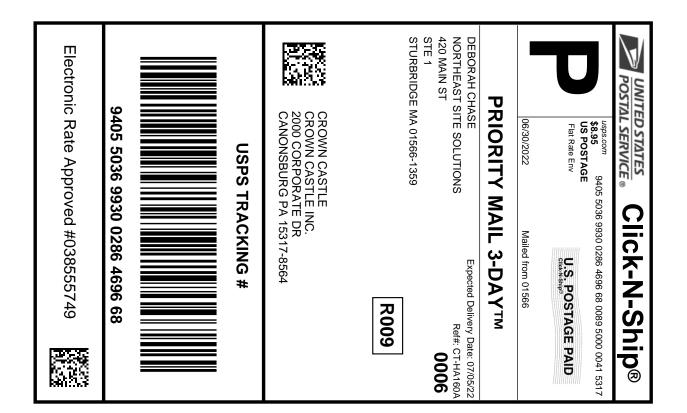
DIRECTOR OF PLANNING & DEVELOPMENT

83 MOUNTAIN RD SUFFIELD CT 06078-2041

* 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.



Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com





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Click-N-Ship® Label Record

USPS TRACKING #: 9405 5036 9930 0286 4696 68

Trans. #: 566728042 Print Date: 06/30/2022 06/30/2022 Ship Date: Delivery Date: 07/05/2022 Priority Mail® Postage: Total:

\$8.95 \$8.95

Ref#: CT-HA160A

From: **DEBORAH CHASE**

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

CROWN CASTLE

CROWN CASTLE INC. 2000 CORPORATE DR **CANONSBURG PA 15317-8564**

* 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.



FARMINGTON 210 MAIN ST FARMINGTON, CT 06032-9998 (800)275-8777

07/05/2022 Duplicate Product Qty Unit Price Prepaid Mail Canonsburg, PA 15317 Weight: 0 lb 2.10 oz Acceptance Date: Tue 07/05/2022 \$0.00 Tracking #: 9405 5036 9930 0286 4696 68 Prepaid Mail Suffield, CT 06078 Weight: 0 lb 4.20 oz \$0.00

Grand Total:

Tracking #: 9405 5036 9930 0286 4696 44

Acceptance Date: Tue 07/05/2022

Every household in the U.S. is now eligible to receive a third set of 8 free test kits. Go to www.covidtests.gov ************

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All sales final on stamps and postage. Refunds for guaranteed services only. Thank you for your business.

Go to: https://postalexperience.com/Pos or scan this code with your mobile device,



or call 1-800-410-7420.

UFN: 082618-0132

Receipt #: 840-50600920-1-4801133-1

Clerk: 9

LINCOLN MALL 560 LINCOLN ST STE 8 WORCESTER, MA 01605-1925 (800)275-8777

07/07/2022

02:10 PM

Unit Price Qty Product Price \$0.00 Prepaid Mail 1 Suffield, CT 06078 Weight: 0 lb 7.50 oz Acceptance Date: Thu 07/07/2022

Tracking #: 9405 5036 9930 0286 4696 51

Grand Total:

\$0.00

***************************** Every household in the U.S. is now eligible to receive a third set of 8 free test kits. Go to www.covidtests.gov *************************

> Preview your Mail Track your Packages Sign up for FREE @ https://informeddelivery.usps.com

All sales final on stamps and postage. Refunds for guaranteed services only. Thank you for your business.

Tell us about your experience. Go to: https://postalexperience.com/Pos or scan this code with your mobile device,



or call 1-800-410-7420.

UFN: 249632-1106

Receipt #: 840-50180078-2-4465388-1

Clerk: 40