

Northeast Site Solutions Victoria Masse 420 Main St Unit 1 Box 2 Sturbridge, MA 01566 victoria@northeastsitesolutions.com

June 9, 2022

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

RE: Notice of Exempt Modification

335 S. Washington Street, Plainville CT 06062

Latitude: 42.6531 Longitude: -72.8769

T-Mobile Site#: CT11378G NHP

# Dear Ms. Bachman:

T-Mobile currently has nine (9) antennas at the 98-foot level of the existing 121-foot tower. The property is owned by Display Properties LLC and the Tower is owned by Crown Castle. T-Mobile now intends to add a 48Kw generator on a new 4'x9' concrete pad within a fenced 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 Connecticut Siting Council in Docket No. 281 on June 23, 2004. This approval included conditions which this exempt modification follows.

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 Robert E. Lee, Town Manager for the Town of Plainville, Garrett Daigle, Town Planner, Display Properties LLC as the property owner and Crown Castle is 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: Kevin Cunningham, First Selectman Plainville Municipal Center One Central Square Plainville, CT 06062

Mark DeVoe, Town Planner Plainville Municipal Center One Central Square Plainville, CT 06062

Display Properties LLC, Property Owner 335 S Washington Street Plainville, CT 06062

Crown Castle, Tower Owner 3 Corporate Park Drive, Suite 101 Clifton Park, NY 12065

# Exhibit A

# Connecticut Siting Council

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**DOCKET NO. 281** – New Cingular Wireless PCS, LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility at 355 South Washington Street, Plainville, Connecticut.

} Connecticut

} Siting

} Council

June 23, 2004

# **Decision and Order**

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects wher

effects, and Environmen

No

ith the policies of the State concerning such plication and therefore directs that a Certificate of wided by General Statutes § 16-50k, be issued to

AT&T Wireless PCS d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Site B, 355 South Washington Street, Plainville, Connecticut. The Council denies certification of Site A, located off of Town Line Road, Plainville, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

- 1. The tower shall be designed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T Wireless PCS LLC, Omnipoint Communications Inc. d/b/a T-Mobile, Cellco partnership d/b/a Verizon Wireless and other entities, both public and private, but such tower shall not exceed a total height of 120 feet above ground level. The height at the top of the antennas shall not exceed a height of 123 feet above ground level.
- 2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Plainville and all parties and intervenors, as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction. The D&M shall include:
- a. a detailed site development plan that depicts the location of the access road, compound, tower, utility line, erosion and sedimentation control features, and landscaping;
- b. specifications for the tower, tower foundation, antennas, equipment building, and security fence; and
- c. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
- 3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base,

consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision

and Order.

4. Upon the Yes frequencies standards.

ral radio frequency standards applicable to shall be brought into compliance with such

- 5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
- 7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
- 9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extensions of the period shall be filed with the Council not later than sixty days prior to expiration date of the Certificate and shall be served on all parties and intervenors, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the <u>Hartford Courant</u> and the <u>Bristol Press</u>.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:



<u>Intervenor</u>	<u>Its Representative</u>
Omnipoint Communications Inc d/b/a T-Mobile	Stephen J. Humes LeBoeuf, Lamb, Greene & MacRae, LLP Goodwin Square 25 Asylum Street Hartford, CT 06103
Intervenor	<u>Its Representative</u>
Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole, LLP 280 Trumbull Street Hartford, CT 06103-3597
<u>Party</u>	
Robert S. Bocwinski	
1785 St. Andrews Place	
New Richmond, WI 54017-6050	



Add "N" Alt Business	BUILDING PERMIT 793-0221	DATE: 35717 DATE: 10/03 RECEIPT: 0456	3/05
ESTIMATED COST: 78,00	0.00		
PERMIT FEE: 1,17	5.00		
CERT OF OCCUP FEE:	.00	#CO:	00000
ZONING CERT:	.00	#ZP:	00000
STATE FEE: 1	2.48		
TOTAL FEE: 1,18	7.48		
MISCELLANEOUS INCOME	.00		
Lot#: Location: 335 S OWNER: Display Properties LLC 335 S. Washington Stre Plainville, CT 747-9110	eet 500	Cingular Wireless PCS Enterprise Drive ky Hill, CT	06067
to make this application as an authorize	is authorized by the owner of record and t d agent and we agree to conform to all of Town of Plainville and to notify the Buil the permit is asked.	the requirements of the laws of the	State
Applicant	Approved By	Nun Vun	10/20/03 Date

# Exhibit B

#### Plainville, CT: Assessor Database Property Search: Alternate ID: Parcel ID: Owner 1 Name: Street Number: Street Name: Search Reset **Property Detail:** Parcel ID: Alternate ID/Map Block Lot: Card: Card: Street Name: Street Number: Zoning: LUC: 42-A-03 R05380 S WASHINGTON ST 335 RI Manufacturing Warehouse Facilities 8.00 1 Owner Information: **Property Images:** Owner 1 Name: DISPLAY PROPERTIES LLC Picture: There is no picture available. Owner 2 Name: Street 1: 335 S WASHINGTON ST Sketch: Street 2: 135 135 PLAINVILLE City: State: СТ 06062 Zip: MULTI-USE OFFICE WAREHOUSE 374 Volume: WAREHOUSE MULTI USE STORAGE MULTI-USE OFFICE PAVING ASPHALT PARK LIGHT - MER - POLE & TOWER CELLULAR DOCK LEVELERS CORDINATE OF CASC WEST Page: 357 Deed Date: 0000-00-00 SPRINKLER SYS WET OVERHEAD DR-WOOD OVERHEAD DR-WOOD **Building Information: Building Number:** 1 233 Units: Structure Type: WAREHOUSE Grade: B-300 Е 300 **Identical Units:** 1 Year Built: 1989 Valuation: Appraised Land: \$467,600.00 Appraised Bldg: \$3,284,900.00 Appraised Total: \$3,752,500.00 \$2,626,750.00 В D Sales History: Sale Date: Price: Validity: Sale Type: Book Page: 374 357 03/27/2001 1,953,261 В 2 418 05/07/1963 130 271 261 09/14/1988 261 313 09/14/1988 357 03/27/2001 374 Out-Buildings: Units: Year Built: Grade: Condition: Code: Description: Size1: Size2: Area: PA1 PAVING ASPHALT PARKING 1989 9200 9200 С NORMAL (Comm) LIGHT - MER - POLE & BRK 0 LT5 2006 0 1 C NORMAL (Comm) TOWER CELLULAR С NORMAL (Comm) TT4 2000 1 120 120 **Building Interior/Exterior Information:** Floor From: Floor To: Area: Use Type: Exterior Walls: Contruction Type: Heating: A/C: Plumbing: Functional Ut 01 01 39140 WAREHOUSE METAL, SANDWICH FIRE RESISTANT UNIT HEATERS NONE NORMAL 3 01 01 34279 WAREHOUSE METAL, SANDWICH FIRE RESISTANT UNIT HEATERS NONE NORMAL 3 01 01 7584 MULTI-USE OFFICE METAL, SANDWICH FIRE RESISTANT HOT AIR CENTRAL NORMAL М1 2179 MULTI USE STORAGE METAL, SANDWICH FIRE RESISTANT HOT ATR NONE М1 NONE

M2 M2 429 MULTI-USE OFFICE METAL, SANDWICH FIRE RESISTANT HOT AIR CENTRAL NORMAL 3

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Comments regarding this service should be directed to: heering@plainville-ct.gov

Sun. August 2, 2020 : 12:34 PM : 0.17s : 10mb

# **Town of Plainville, Connecticut - Assessment Parcel Map**

Parcel: 42-A-03 Address: 335 S WASHINGTON ST





0 50 100 150 200 Feet Approximate Scale: 1 inch = 150 feet

**Map Produced July 2020** 

# Exhibit C

# T··Mobile·

# T-MOBILE NORTHEAST LLC

**NATIONAL HARDENING PROJECT** 

**CROWN CASTLE BU#: 857012 SITE NUMBER: CT11378G** 

SITE NAME: CT378/ATT FT PLAINVILLE2 SITE ADDRESS: 335 S. WASHINGTON STREET

PLAINVILLE, CT 06062

# **PROJECT NOTES:**

THIS IS AN UNMANNED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN

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 AND ANTENNAS.

NATIONAL ELECTRICAL CODE (NEC) FOR POWER AND GROUNDING REQUIREMENTS

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION.



Connecticut - Call Before You Dig

Advance Notice:

Minimum of 2 working days in advance, no more than 30 days in advanc

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:**

פ		
3	FSA CM	DATE
3		
3	RF ENGINEER	DATE
5		
2	FOPS	DATE
2		
2	T-MOBILE ENGINEERING AND DEVELOPMENT	DATE
2		



# SITE VICINITY: SITE LOCATION

# 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:

335 S. WASHINGTON STREET PLAINVILLE, CT 06062

COORDINATES:

STRUCTURE TYPE: IURISDICTION:

MONOPOLE TOWN OF PLAINVILLE, CT MAP 42, BLOCK A, LOT 03

41.6531 N. W -72.8769

PARCEL ID: ZONING DISTRICT

# **PROJECT TEAM:**

T-MOBILE NORTHEAST, LLC. APPLICANT:

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002

860-692-7100

PROPERTY OWNER

DISPLAY PROPERTIES LLC 335 S WASHINGTON ST PLAINVILLE, CT 06062

CROWN CASTLE INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317

PROJECT MANAGER

NORTHEAST SITE SOLUTIONS 420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566

SHELDON FREINCLE

SHELDON@NORTHEASTSITESOLUTIONS.COM

201-776-8521

ENGINEERING CONSULTANTS:

462 WALNUT ST NEWTON MA 02460 SAEED MOSSAVAT

SMOSSAVAT@FORESITELLC.COM

617-212-3123

# **SHEET INDEX:**

TITLE SHEET GENERAL NOTES SITE LOCATION MAP A-2: A-3: A-4: SITE PLAN PARTIAL SITE PLAN

GENERATOR SPECIFICATIONS GENERATOR SPECIFICATIONS

AUTOMATIC TRANSFER SWITCH SPECIFICATIONS CONCRETE PAD AND UNDERGROUND UTILITY DETAILS

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

#### CONSULTANT:



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



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	REV	DESCRIPTION	DATE
	Α	PRELIMINARY	04/05/22
1	0	FINAL ISSUED	06/03/22
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SITE NUMBER: CT11378G SITE NAME: CT378/ATT FT PLAINVILLE2 CROWN CASTLE BU#: 807133 SITE ADDRESS: 335 S. WASHINGTON STREET PLAINVILLE, CT 06062

> 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.
- $10. \hspace{0.5cm}$  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" Ø 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 NORTHEAST LLC

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

#### PROJECT MANAGER

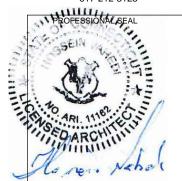


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

### **CONSULTANT:**



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



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SITE NUMBER: CT11378G
SITE NAME: CT378/ATT FT PLAINVILLE2
CROWN CASTLE BU#: 807133
SITE ADDRESS: 335 S. WASHINGTON STREET
PLAINVILLE, CT 06062

SHEET TITLE: N-1: NOTES AND DISCLAIMERS



**SITE LOCATION MAP** 

SCALE: 1" = 100'

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



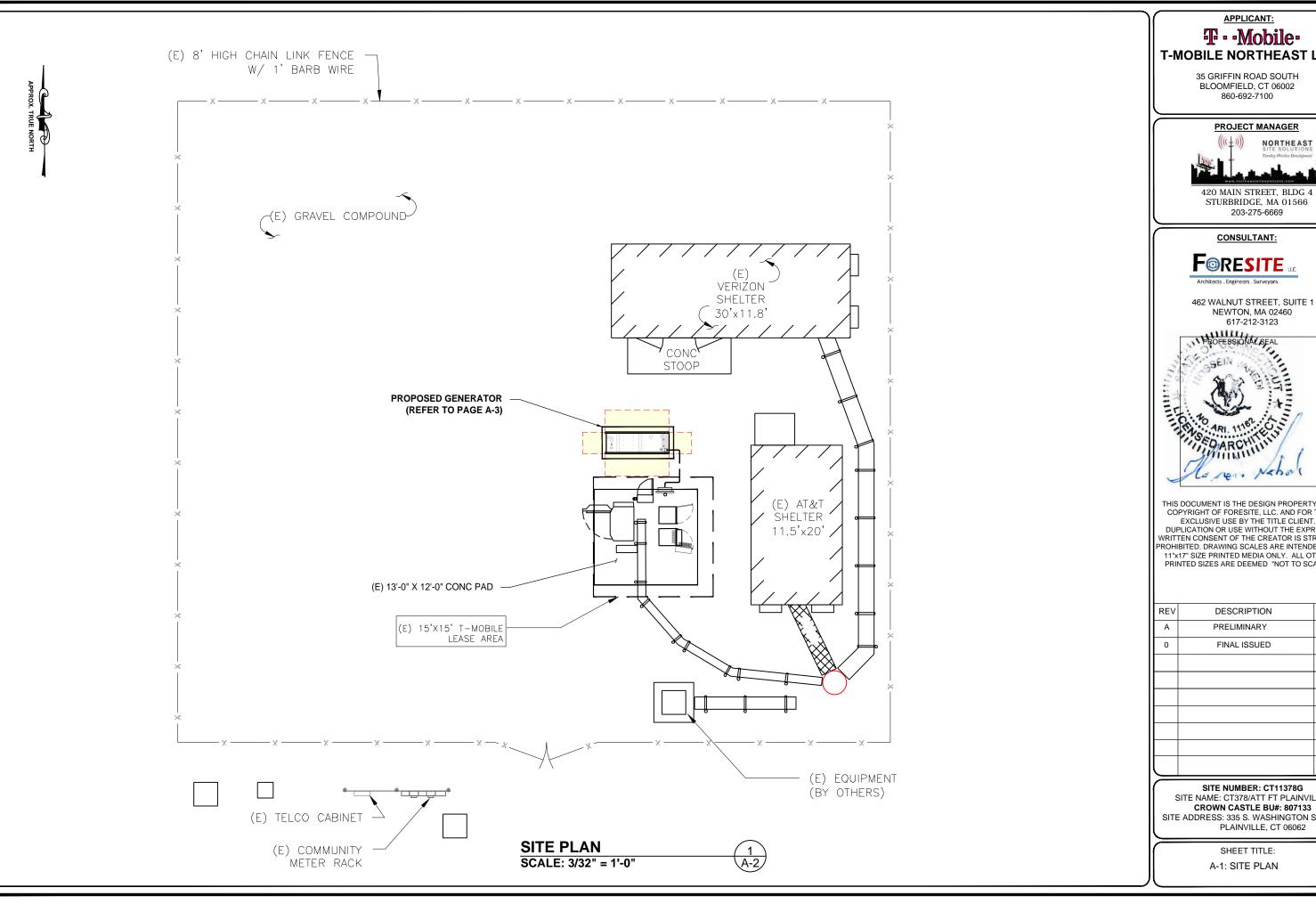
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SITE ADDRESS: 335 S. WASHINGTON STREET
PLAINVILLE, CT 06062

SHEET TITLE:

A-1: SITE LOCATION



# T-MOBILE NORTHEAST LLC



STURBRIDGE, MA 01566



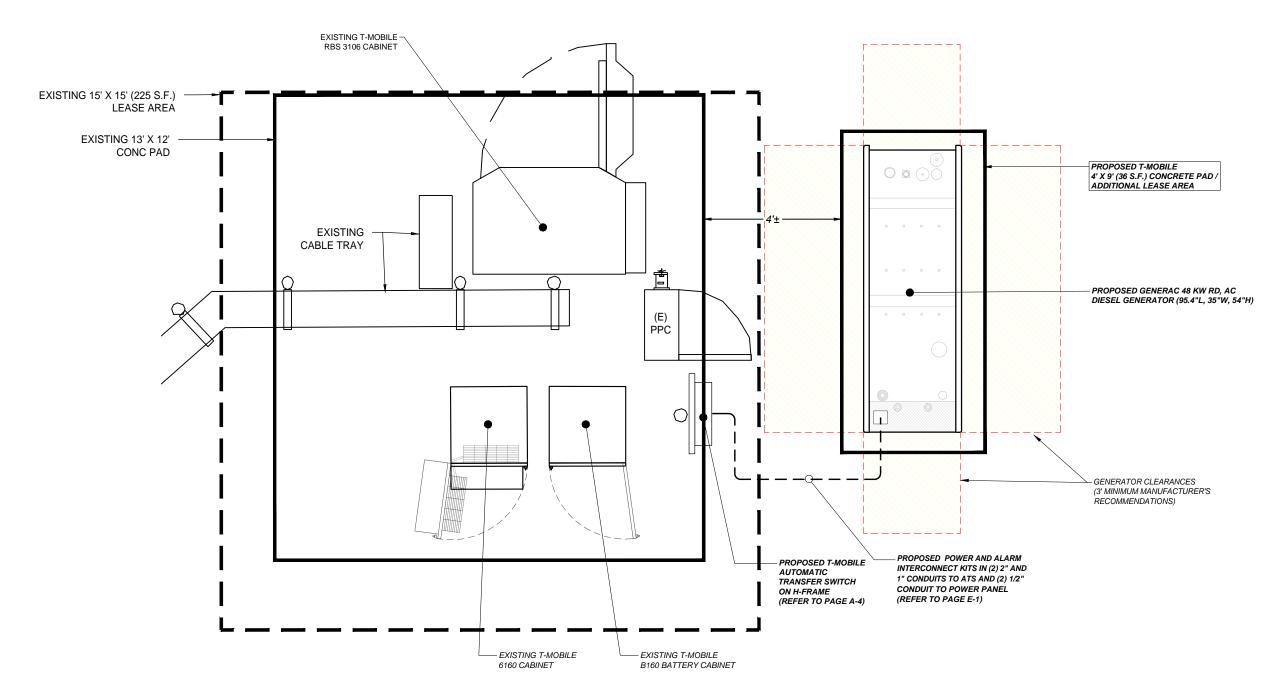


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RE\	DESCRIPTION	DATE
А	PRELIMINARY	04/05/22
0	FINAL ISSUED	06/03/22
l		<b> </b>

SITE NAME: CT378/ATT FT PLAINVILLE2
CROWN CASTLE BU#: 807133 SITE ADDRESS: 335 S. WASHINGTON STREET PLAINVILLE, CT 06062

**НТЯОИ ЗИЯТ. ХОЯЧЧА** 



**PARTIAL SITE PLAN** SCALE: 3/8" = 1'-0"

APPLICANT:

# T - Mobile T-MOBILE NORTHEAST LLC

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

# PROJECT MANAGER

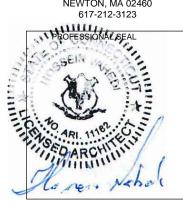


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

# CONSULTANT:



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

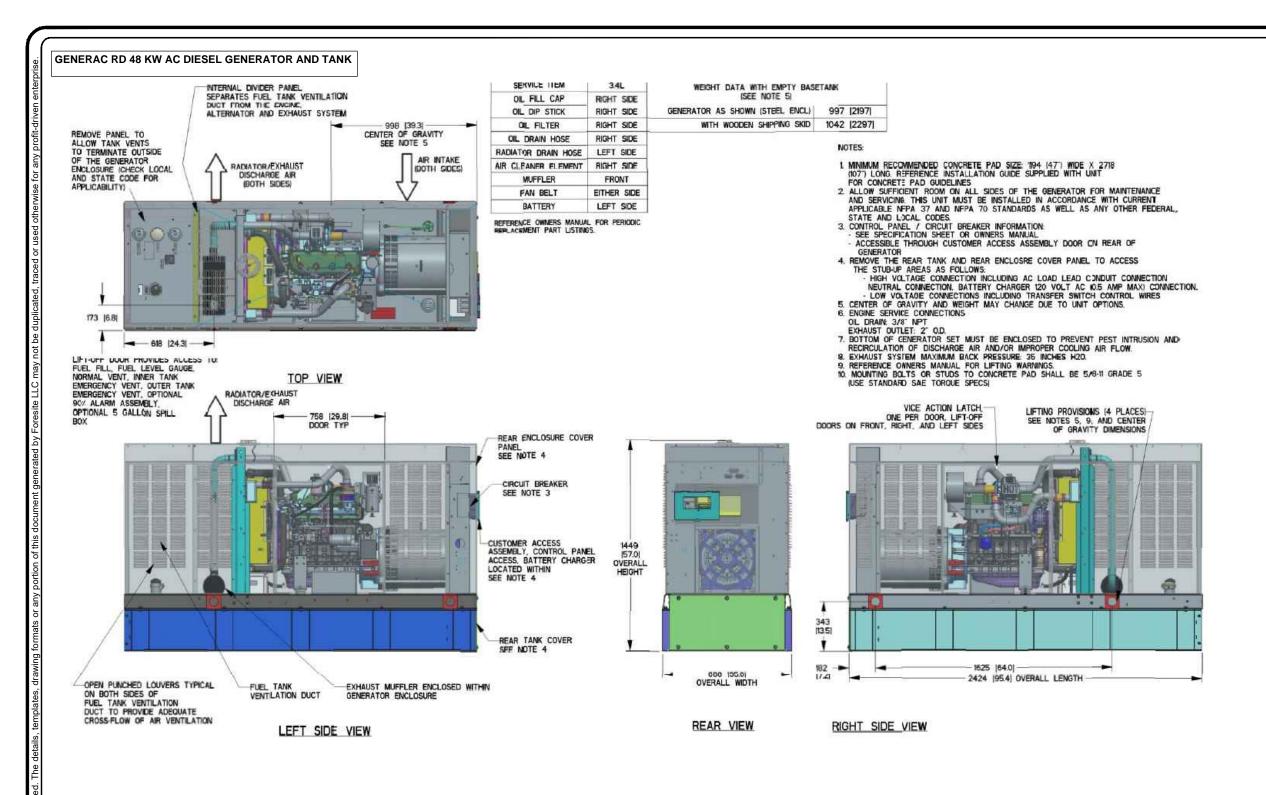


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> SHEET TITLE: A-3: PARTIAL SITE PLAN



APPLICANT:

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

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

#### PROJECT MANAGER

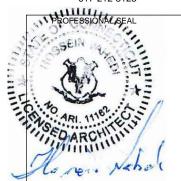


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### **CONSULTANT:**



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



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CROWN CASTLE BU#: 807133
SITE ADDRESS: 335 S. WASHINGTON STREET
PLAINVILLE, CT 06062

SHEET TITLE:

A-4: GENERATOR SPECIFICATIONS

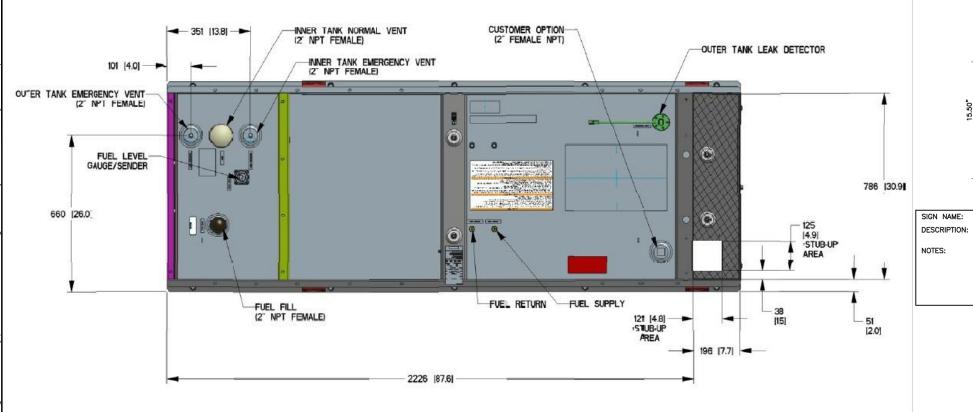
GENERATOR SPECIFICATION 1 SCALE: N.T.S. A-4

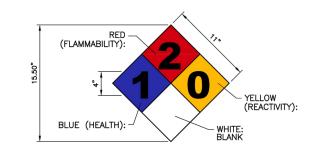
FUEL TANK TOTAL CAPACITY 233 [61] USABLE CAPACITY 209 [55]

CAPACITY: LITER [GALLONS] DIMENSIONS: MM | INCH|

THIS TANK IS LISTED TO UL142 AND ULC5801

NOTE - STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS. CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.





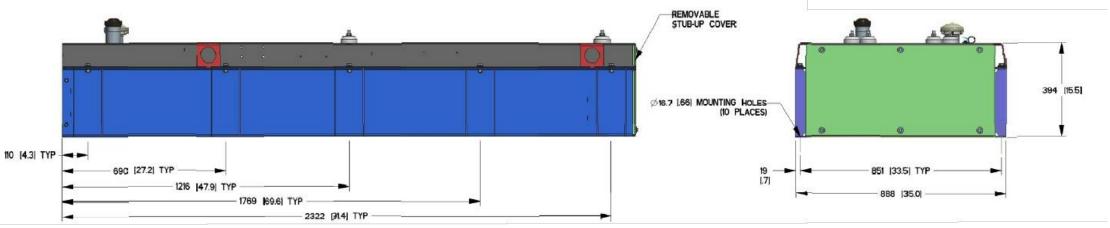
SIGN NAME: REGULATORY, NFPA 704 HAZARD ID

MOUNT ON GENERATOR ACCESS DOOR.
CONSULT WITH GENERATOR MANUFACTURER MSDS SHEET FOR BLUE AND RES POSITIONS

1) SIGNS EXPOSED TO WEATHER SHOULD BE CHECKED ANNUALLY FOR READABILITY.

NFPA 704 SIGNAGE (2) N.T.S.





GENERATOR SPECIFICATIONS 1 N.T.S.



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

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



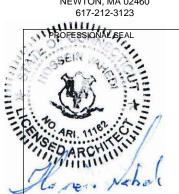


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

### CONSULTANT:



462 WALNUT STREET, SUITE 1 NEWTON, MA 02460



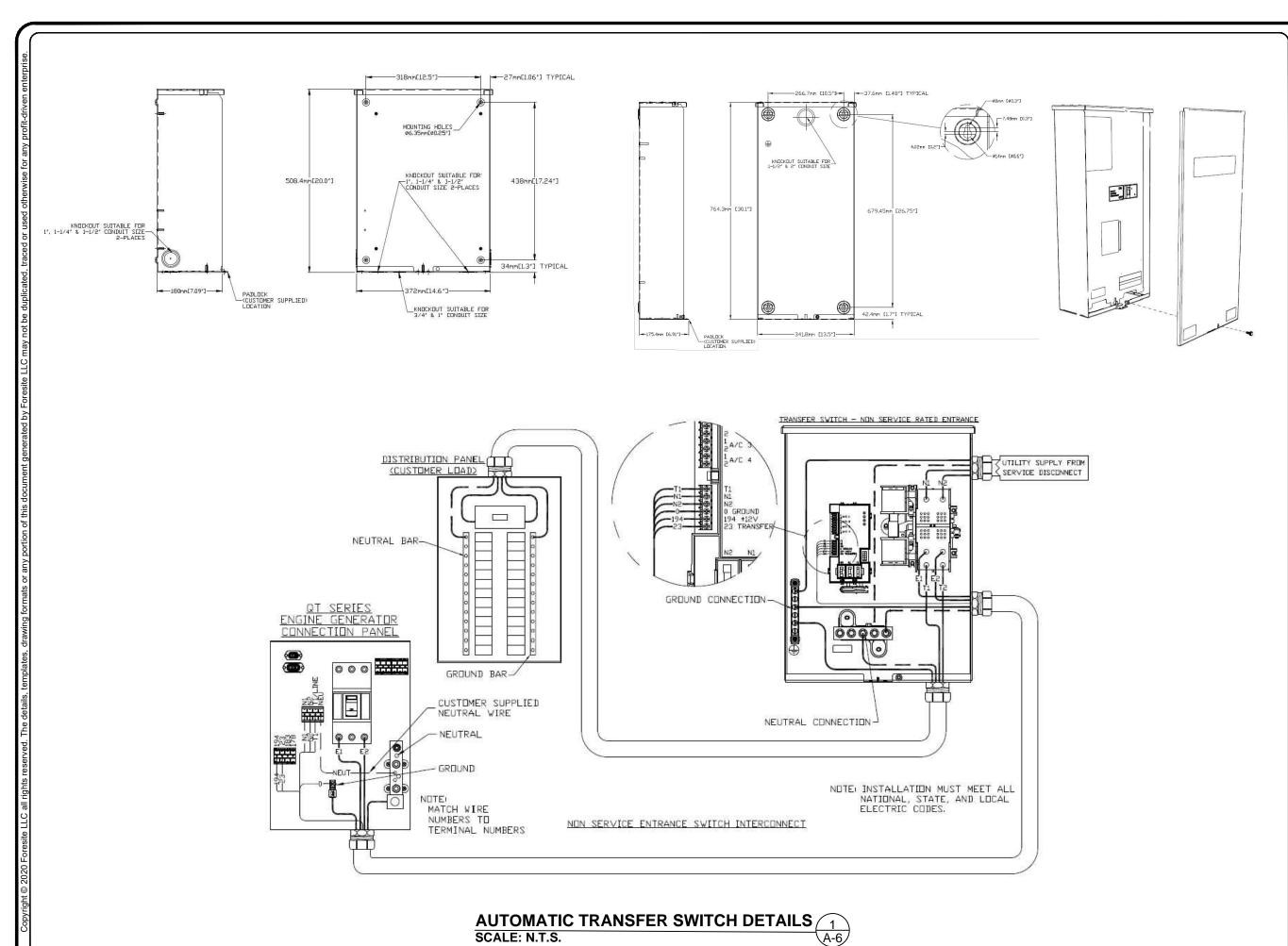
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SHEET TITLE:

A-5: GENERATOR SPECIFICATIONS

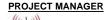


APPLICANT:

T - Mobile-

# T-MOBILE NORTHEAST LLC

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



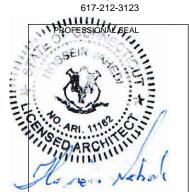


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

### CONSULTANT:



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



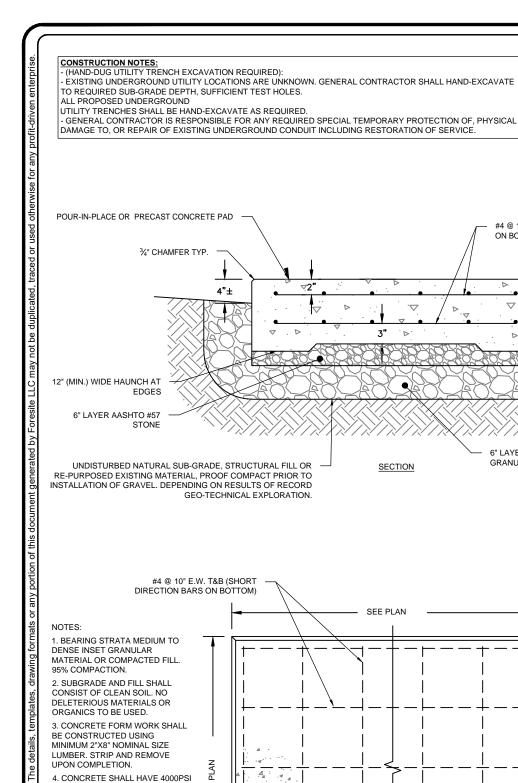
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CROWN CASTLE BU#: 807133
SITE ADDRESS: 335 S. WASHINGTON STREET
PLAINVILLE, CT 06062

SHEET TITLE: A-6: AUTOMATIC TRANSFER SWITCH DETAILS



28-DAY COMPRESSIVE STRENGTH

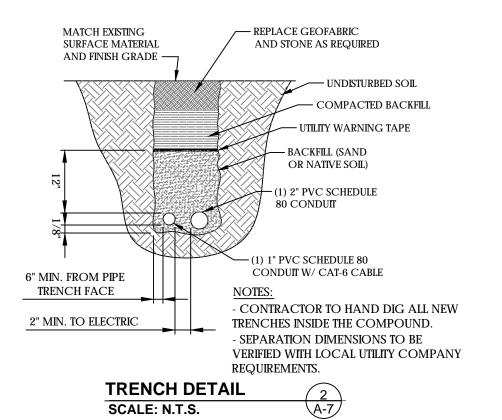
STIFF BRISTLE BROOM

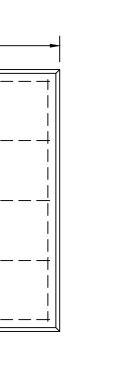
<u>PLAN</u>

**CONCRETE PAD DETAILS** 

SCALE: N.T.S.

WITH 5(±1)% AIR ENTRAINMENT, 4(±1)"SLUMP AND BRISTLE BROOM





6" LAYER COMPACTED GRANULAR BACKFILL

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

6" STEP

11" MIN. THICKNESS (USE 2x12 TO FORM

EMT CONDUIT (CONTRACTOR'S OPTION TO USE IMC OR RMC WITHOUT A CONNECTOR IN LIEU OF THE EMT)

COMPRESSION CONNECTOR

RIGID THREADED CONDUIT COUPLING

SLIP JOINT

PVC MALE ADAPTER

RMC ELBOW

RIGID THREADED CONDUIT COUPLING

PVC CONDUIT

ALL METAL CONDUIT INSTALLED IN DIRECT CONTACT WITH THE EARTH SHALL BE CONSIDERED TO BE INSTALLED IN A SEVERELY CORROSIVE ENVIRONMENT AND IS REQUIRED TO HAVE SUPPLEMENTAL PROTECTION AGAINST CORROSION (NEC ARTICLE 342.10(B) & 344.10(B)(1)). THIS PROTECTION SHALL EITHER BE AN APPROVED MANUFACTURER INSTALLED PROTECTIVE COATING ON THE CONDUIT OR SHALL BE (2) LAYERS OF 10 MIL PVC PIPE WRAP TAPE INSTALLED USING OPPOSING SPIRAL WRAPS. ON VERTICAL PIPE THE OUTSIDE LAYER OF TAPE SHALL BE WRAPPED SO AS TO PROVIDE SHEDDING OF WATER (i.e. TAPE SHOULD WRAP IN AN UPWARD DIRECTION WITH LOWER WRAP BEING BENEATH THE WRAP ABOVE). SPIRAL WRAPS SHALL HAVE A MINIMUM OF 1/4" OVERLAP WITH THE PRECEDING TAPE WRAP. ANY OTHER METHODS OF CORROSION PROTECTION SHALL REQUIRE APPROVAL BY THE ENGINEER OF RECORD PRIOR TO BEING USED.

# APPLICANT: --Mobile T-MOBILE NORTHEAST LLC

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

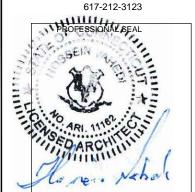


120 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### CONSULTANT:



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



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PLAINVILLE, CT 06062

SHEET TITLE:

A-7: CONCRETE PAD AND UNDERGROUND UTILITY DETAILS

UNDERGROUND CONDUIT STUB UP 3
SCALE: N.T.S.

A-7,

### **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:**

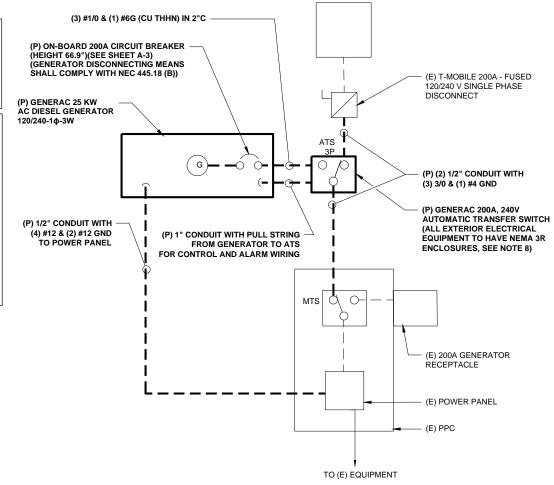
1. GROUNDING SHALL COMPLY WITH NEC ART. 250
AND MANUFACTURER'S RECOMMENDATIONS. TIE INTO THE EXISTING
GROUNDING SYSTEM

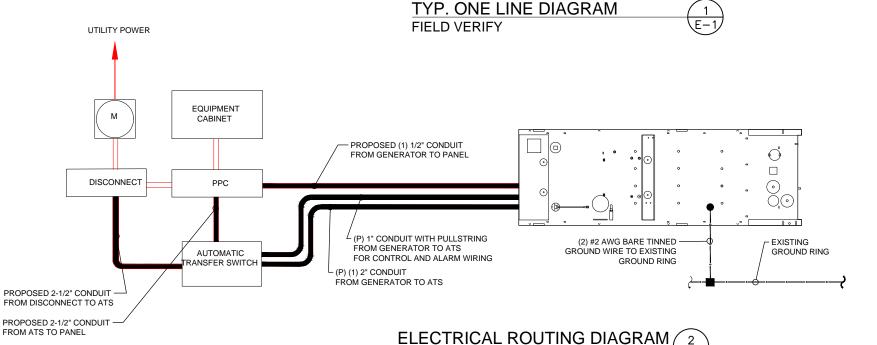
2. CONTRACTOR SHALL INSTALL GROUND RODS ON ALL UNDERGROUND GROUNDING RUNS LONGER THAN 10'. GROUND RODS WILL BE INSTALLED ON 20' CENTERS MAXIMUM.

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 -

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

#### PROJECT MANAGER

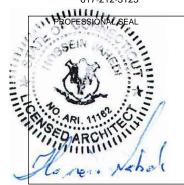


420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669

#### CONSULTANT:



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



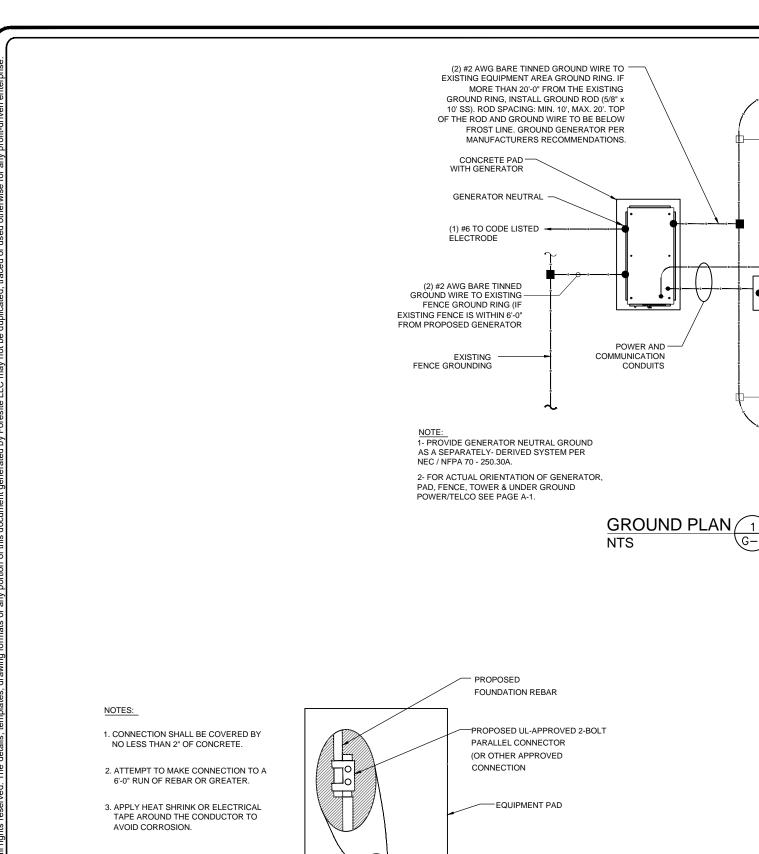
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CROWN CASTLE BU#: 807133
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PLAINVILLE, CT 06062

SHEET TITLE:

E-1: ELECTRICAL DETAILS



NOTE:

NOTE:

**EXISTING** 

**EQUIPMENT** ARFA

#2 AWG BARE TINNED GROUND WIRE CONNECTED

GROUND BAR

VERIFY QTY., LENGTH, TYPE &

CONFIGURATION OF GROUND RODS TO

ENSURE SYSTEM PROVIDES GROUND RESISTANCE OF 5 OHMS OR LESS

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

PROPOSED SILICONE PROPOSED LIQUID NON-METALLIC CONDUIT

PROPOSED #2 SOLID

TINNED COPPER WIRE

GROUND WIRE WEATHERPROOFING 3

**APPLICANT:** 

# T - Mobile T-MOBILE NORTHEAST LLC

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

#### PROJECT MANAGER

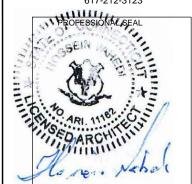


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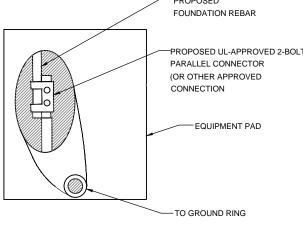
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SHEET TITLE:

G-1: GROUNDING DETAILS



**EQUIPMENT PAD GROUNDING** NTS

# 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</li>
- 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 seconds
- 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 <sup>TM</sup> and Adapter Kit

#### **TANKS**

- O Spill Box
- O 90% Fuel Alarm
- Tank Risers
- O Spill Box Drainback Kit
- O Vent Extension Support Kit
- 5 Day Run Time Tank
- Overfill Prevention Valve
- O Fuel Fill Drop Tube
- 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 <sup>3</sup> (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 Regulat	ion (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)		

<sup>\*</sup> 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 <sub>2</sub> O (kPa)	0.50 (0.12)

# **COMBUSTION AIR REQUIREMENTS**

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

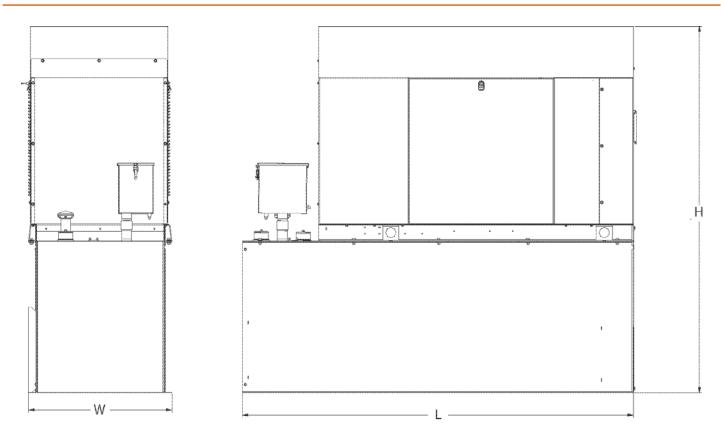
ENGINE			EXHAUST		
		Standby			Standby
Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft³/min (m³/min)	448 (12.7)
Horsepower at rated kW	HP	85	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

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**

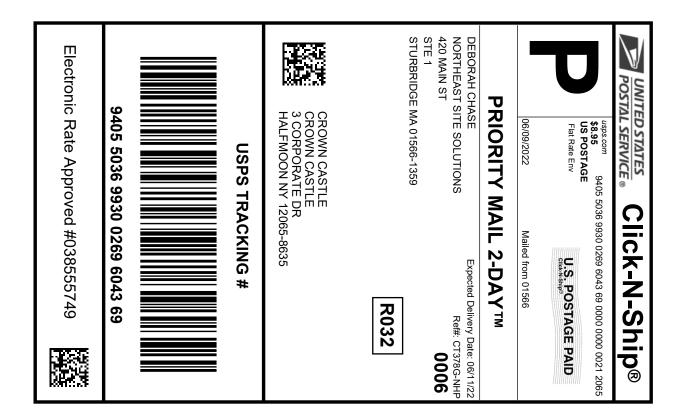
L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

\* 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





# Instructions

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# **USPS TRACKING #:** 9405 5036 9930 0269 6043 69

565279799 06/09/2022 06/09/2022 Trans. #: Print Date: Ship Date: 06/11/2022 Delivery Date:

Priority Mail® Postage: \$8.95 Total:

\$8.95

Ref#: CT378G-NHP

From: **DEBORAH CHASE** 

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

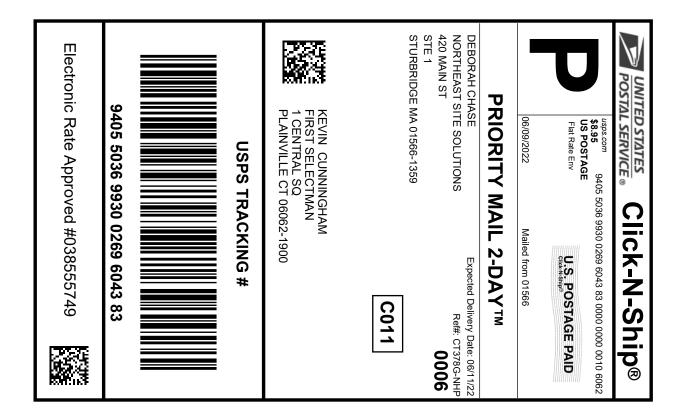
STURBRIDGE MA 01566-1359

**CROWN CASTLE** 

**CROWN CASTLE** 3 CORPORATE DR

HALFMOON NY 12065-8635

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# Click-N-Ship® Label Record

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565279799 06/09/2022 06/09/2022 Trans. #: Print Date: Ship Date: 06/11/2022 Delivery Date:

Priority Mail® Postage: Total:

\$8.95 \$8.95

Ref#: CT378G-NHP

From: **DEBORAH CHASE** 

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

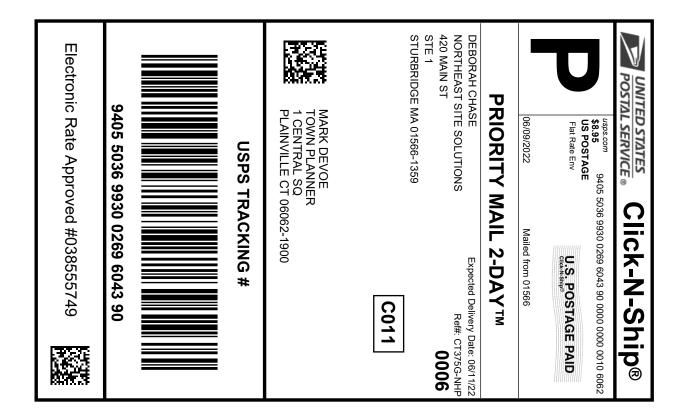
STURBRIDGE MA 01566-1359

KEVIN CUNNINGHAM

FIRST SELECTMAN 1 CENTRAL SQ

PLAINVILLE CT 06062-1900

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# Click-N-Ship® Label Record

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565279799 06/09/2022 06/09/2022 Trans. #: Print Date: 06/11/2022 Delivery Date:

Priority Mail® Postage: Total:

\$8.95 \$8.95

Ref#: CT375G-NHP

From: **DEBORAH CHASE** 

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

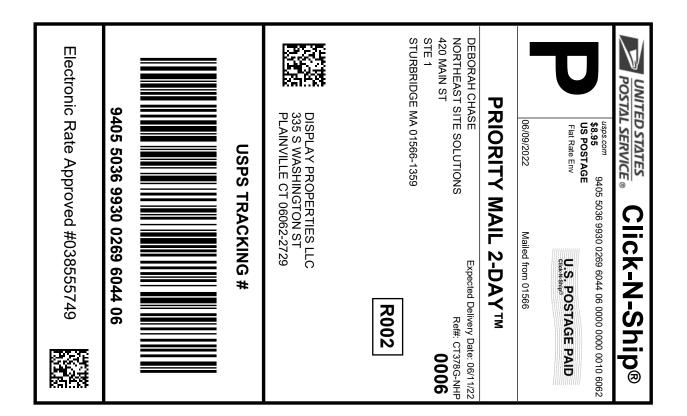
STURBRIDGE MA 01566-1359

MARK DEVOE

TOWN PLANNER 1 CENTRAL SQ

PLAINVILLE CT 06062-1900

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# **USPS TRACKING #:** 9405 5036 9930 0269 6044 06

565279799 06/09/2022 06/09/2022 Trans. #: Print Date: Delivery Date: 06/11/2022

Priority Mail® Postage: \$8.95 Total: \$8.95

From: **DEBORAH CHASE** Ref#: CT378G-NHP

NORTHEAST SITE SOLUTIONS

420 MAIN ST

STE 1

STURBRIDGE MA 01566-1359

**DISPLAY PROPERTIES LLC** 

335 S WASHINGTON ST **PLAINVILLE CT 06062-2729** 

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TU3786 NHP-TIMO



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

06/10/2022

11:56 AM

Product

Qty

Unit Price Price

Prepaid Mail 1

\$0.00

\$0.00

\$0.00

\$0.00

Clifton Park, NY 12065 Weight: O lb 2.00 oz

Acceptance Date: Fri 06/10/2022

Tracking #: 9405 5036 9930 0269 6043 69

Prepaid Mail

Plainville, CT 06062 Weight: 0 lb 4.50 oz

Acceptance Date: Fri 06/10/2022

Tracking #: 9405 5036 9930 0269 6044 06

Prepaid Mail

Plainville, CT 06062 Weight: 0 1b 4.50 oz

Acceptance Date: Fri 06/10/2022

Tracking #: 9405 5036 9930 0269 6043 90

Prepaid Mail

Plainville, CT 06062 Weight: 0 ib 4.50 oz

Acceptance Date: Fri 06/10/2022

Tracking #: 9405 5036 9930 0269 6043 83

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