



Filed by:

G. Scott Shepherd, Sr. Property Specialist - SBA Communications  
134 Flanders Rd., Suite 125, Westborough, MA 01581  
508.251.0720 x 3807 - GShepherd@sbsite.com

November 5, 2021

Melanie A. Bachman  
Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**RE: Notice of Exempt Modification**  
**540 Cherry Brook Rd., Canton, CT**  
**Latitude: 41.894052**  
**Longitude: -72.893850**  
**T-Mobile Site #: CTHA530A\_Hardening**

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 129-foot level of the existing 150-foot Monopole Tower at **540 Cherry Brook Rd., Canton, CT**. The tower is owned by SBA Towers, LLC. The property is owned by North Canton Volunteer Fire Association. T-Mobile now intends to add one (1) Generac RD025 Diesel generator and 4' x 10' concrete pad, within a 65' x 62' fenced compound lease area. The proposed generator and concrete pad will sit fully within the leased area of the compound and will not require additional space for the supplementary tank.

## Ground

### Install New:

- (1) Generac RD0 25kw Diesel generator
- (1) 4' x 10' concrete pad
- (1) 2" RGS Conduit for emergence power routed from proposed ATS to Existing PPC
- (1) 2" RGS conduit for emergency power routed from proposed generator to proposed ATS
- (1) 1-1/2" RGS conduit for generator heater & Battery charger routed from existing PPC to proposed generator
- (1) 2" RGS conduit for Ethernet cable for generator controls & Alarms from exist. Equip. cabinet to prop. generator
- Generac 200A, 120/240v automatic transfer switch mounted to proposed H-Frame

Remaining:

- T-Mobile Emerson Nextend Compact 2416 fiber cabinet
- Existing PPC
- T-Mobile cables routed along exist. Ice bridge
- T-Mobile Ericsson B160 cabinet
- T-Mobile Ericsson 6160 equip. Cabinet
- Existing 12' x 15' concrete pad

**Reason for Request / Change in Generator Size and Fuel**

In an effort to further enhance network reliability, T-Mobile is proposing to install a diesel-based backup generator, the Generac RD025 25kw Diesel Generator. T-Mobile is currently in the middle of a National Hardening Project.

The proposed diesel generator measures 84.2" x 35" x 91.7" (w/fuel tank: 103.4" x 35" x 91.7"). It will sit fully within the leased area of the compound and will not require additional space for the supplementary tank.

Generac's RD025 25kw Diesel Generator carries up to 98 hours of run time with 100% load, 125 hours of run time with a 75% load and 161 hours of run time with a 50% load. It can operate in temperatures of 122 degrees Fahrenheit.

**Monitoring, Prevention and Containment Measures**

It will be filled by a licensed fuel filling company. The Generac's RD025 25kw Diesel Generator is fuel efficient, rodent and corrosion resistant, and has a sound attenuated aluminum enclosure with a Rated Load Sound Output at 23ft. of -65dB. It further supports advanced, remote monitoring for diagnostics and control and is installed with a tank alarm system. The Sound Output from the Generac RD025kw meets/exceeds the allowable noise emissions levels for the Town of Canton, CT which is as follows:

**Maximum Continuous Noise Levels (measured in dBA):**

**Ordinance Amending Chapter 23 of the Hartford Municipal Code: Section 23-3:**

- (a) It shall be unlawful for any person to emit or cause to be emitted any noise beyond the boundaries of his/her premises in excess of the noise levels established in these regulations.
- (b) Noise level standards
  - (1) No person in a residential zone shall emit noise beyond the boundaries of his/her premises exceeding the levels stated herein and applicable to adjacent residential, commercial or industrial zones:



Emitter's Zone:

- Residential Receptor's Zone : Maximum Level:
- Industrial...62dBA
- Commercial...55 dBA
- Residential/Day...55 dBA
- Residential/Night...45 dBA

The proposed modification will remain within the existing 65' x 62' fenced compound. The new generator and tank will be surrounded by the existing security fence and 12' 6" wide double leaf gate and will be placed on a plinth secured to a proposed 4' x 10' concrete pad.

Additional safety specifications:

- Automatic Voltage Regulation with Over and Under Protection
- Overspeed Shutdown
- High Temperature Shutdown
- Meets ANSI/IEEE C62.41, SA CSA 22.2, SAE J1349, NFPA 37, 70 99

**Revised Construction Drawings and Full Spec Sheets referencing the above are attached herewith.**

The revised ground configuration continues to meet all requirements for a Notice of Exempt Modifications. The request remains technically, legally, environmentally, and economically feasible and meets public safety concerns per Connecticut General Statute Section 16-50aa.

There is no environmental impact associated with the revised ground configuration, including, but not limited to, visibility, wetlands and water resources, air quality or noise.

T-Mobile's revised ground configuration:

- Will not have any significant adverse visual impact on the surrounding areas
- Does not affect or alter the existing site with regard to wetlands, water resources or air quality
- The generator would only be used in cases of emergency and would provide backup time of approximately 60 hours in time of need.

The proposed work is not thought to have any substantial adverse environmental impact. Public Need for the additional coverage outweighs any minor environmental effects that would result from the construction, operation, and maintenance of the proposed collocation.

**A Map of the Site Showing Nearest Wetlands, depicted in feet, is attached herewith.**

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 the Town of Canton's First Selectman, Robert Bessel and Neil Pade, Dir. Of Planning & Zoning, as well as, to the Chief Administrative Officer for the North Canton Volunteer Fire Association, Robert Skinner. (Separate notice is not being sent to tower owner, as it belongs to SBA.)

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 modification 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 modification 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 telecommunication facility constitute an exempt modifications under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

G. Scott Shepherd  
Sr. Property Specialist  
SBA COMMUNICATIONS CORPORATION  
134 Flanders Rd., Suite 125  
Westborough, MA 01581  
508.251.0720 x3807 + T  
508.366.2610 + F  
508.868.6000 + C  
[GShepherd@sbsite.com](mailto:GShepherd@sbsite.com)

Attachments

cc: Robert Bessel, First Selectman / with attachments  
Canton Town Hall, 4 Market St, PO Box 168, Collinsville, CT 06022  
Neil Pade, AICP, Dir. Of Planning & Zoning  
Canton Town Hall, 4 Market St, PO Box 168, Collinsville, CT 06022  
Robert Skinner, Chief Admin. Officer North Canton Volunteer Fire Association / with attachments  
PO Box 393, North Canton, CT 06059-0393 {SBA remit to address on file}



Exhibit List

Exhibit 1	Check Copy	x
Exhibit 2	FedEx Labels	x
Exhibit 3	Property Card	x
Exhibit 4	Property Map	x
Exhibit 5	Zoning Documents	Town of Canton Special Permit (10/19/00), Superior Court Judicial District of Hartford, No. CV0005954065 (10/18/00)
Exhibit 6	Construction Drawings	Chappell 10/29/21
Exhibit 7	Generator Specifications	x
Exhibit 8	Wetlands Map	x

# EXHIBIT 1

Copy of Check for filing fee.

# EXHIBIT 2

## FedEx Labels

ORIGIN ID:BFBA (508) 614-0389  
RICK WOODS  
SBA COMMUNICATIONS CORPORATION  
134 FLANDERS RD  
SUITE 125  
WESTBOROUGH, MA 01581  
UNITED STATES US

SHIP DATE: 05NOV21  
ACTWGT: 2.00 LB  
CAD: 105843304/NET4400

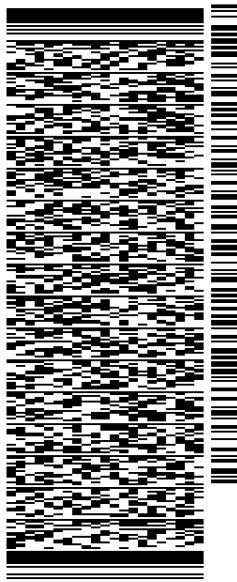
BILL SENDER

TO **MELANIE A. BACHMAN EXEC. DIR**  
**CONNECTICUT SITING COUNCIL**  
**TEN FRANKLIN SQUARE**

**NEW BRITAIN CT 06051**

REF: 105692009-6089

(508) 251-0720 X 3807  
INV#  
PO:  
DEPT:



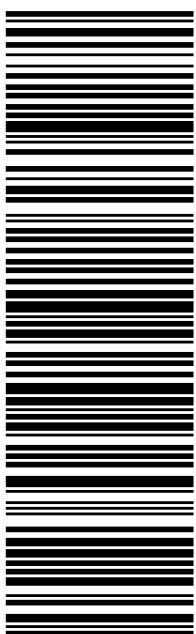
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TRK#  
0201 **7751 3098 6448**

MON - 08 NOV 11:30A  
PRIORITY OVERNIGHT

**SEBDLA**

06051  
BDL  
CT-US



56D.J29A7E/FE4A

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.





TRACK ANOTHER SHIPMENT

775130986448



[ADD NICKNAME](#)

ON TIME

Scheduled delivery:  
Monday, 11/8/2021



**PICKED UP**  
WESTBOROUGH, MA

[GET STATUS UPDATES](#)

**FROM**  
WESTBOROUGH, MA US

**TO**  
NEW BRITAIN, CT US  
[MANAGE DELIVERY](#)

Travel History

Shipment Facts

### Travel History

**TIME ZONE**  
Local Scan Time



Friday, November 5, 2021

2:44 PM

WESTBOROUGH, MA

Picked up  
Tendered at FedEx Office

10:54 AM

Shipment information sent to FedEx

### Shipment Facts

**TRACKING NUMBER**

775130986448

**SERVICE**

FedEx Priority Overnight

**WEIGHT**

2 lbs / 0.91 kgs

**TOTAL PIECES**

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**TOTAL SHIPMENT WEIGHT**

2 lbs / 0.91 kgs

**TERMS**

Shipper

**SHIPPER REFERENCE**

10-56-92009-6089

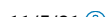
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FedEx Pak

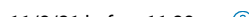
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Deliver Weekday

**ACTUAL PICK UP**



**STANDARD TRANSIT**



**SCHEDULED DELIVERY**

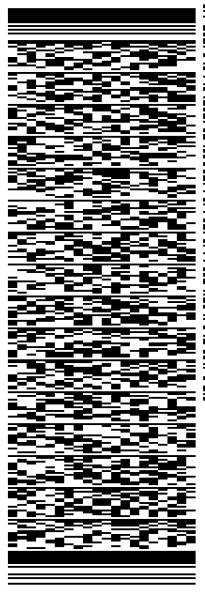


ORIGIN ID:BFBA (508) 614-0389  
RICK WOODS  
SBA COMMUNICATIONS CORPORATION  
134 FLANDERS RD  
SUITE 125  
WESTBOROUGH, MA 01581  
UNITED STATES US

SHIP DATE: 05NOV21  
ACTWGT: 1.00 LB  
CAD: 105843304/NET4400  
BILL SENDER

TO **ROBERT BESSEL**  
**CANTON TOWN HALL**  
**FIRST SELECTMAN**  
**4 MARKET ST**  
**COLLINSVILLE CT 06022**  
(508) 251-0720 X3807 REF: 105692009-6089  
INV: DEPT:  
PO:

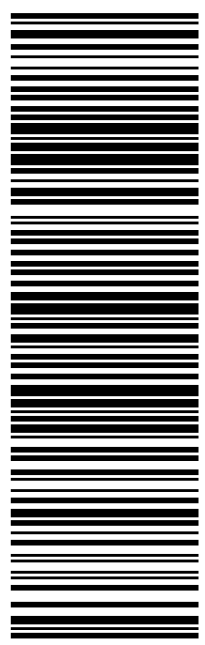
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J212221101801uv

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MON - 08 NOV 11:30A  
PRIORITY OVERNIGHT

**SE EHTA**  
06022  
CT:US BDL



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TRACK ANOTHER SHIPMENT

775131052740

[ADD NICKNAME](#)

ON TIME

Scheduled delivery:  
Monday, 11/8/2021



**PICKED UP**  
WESTBOROUGH, MA

[GET STATUS UPDATES](#)

**FROM**  
WESTBOROUGH, MA US

**TO**  
COLLINSVILLE, CT US  
[MANAGE DELIVERY](#)

Travel History

Shipment Facts

## Travel History

**TIME ZONE**  
Local Scan Time



Friday, November 5, 2021

2:44 PM

WESTBOROUGH, MA

Picked up  
Tendered at FedEx Office

10:58 AM

Shipment information sent to FedEx

## Shipment Facts

**TRACKING NUMBER**

775131052740

**SERVICE**

FedEx Priority Overnight

**WEIGHT**

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**TOTAL PIECES**

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**TOTAL SHIPMENT WEIGHT**

0.5 lbs / 0.23 kgs

**TERMS**

Shipper

**SHIPPER REFERENCE**

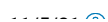
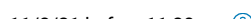
10-56-92009-6089

**PACKAGING**

FedEx Envelope

**SPECIAL HANDLING SECTION**

Deliver Weekday

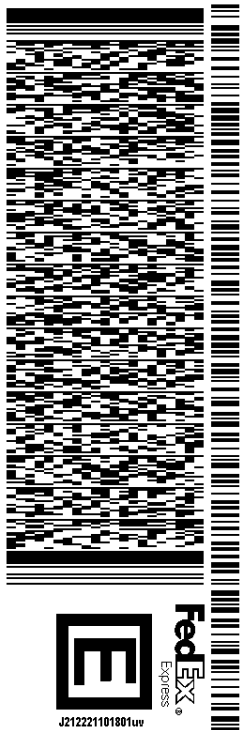
**ACTUAL PICK UP****STANDARD TRANSIT****SCHEDULED DELIVERY**

ORIGIN ID:BFBA (508) 614-0389  
RICK WOODS  
SBA COMMUNICATIONS CORPORATION  
134 FLANDERS RD  
SUITE 125  
WESTBOROUGH, MA 01581  
UNITED STATES US

SHIP DATE: 05NOV21  
ACTWGT: 1.00 LB  
CAD: 105843304/NET4400  
BILL SENDER

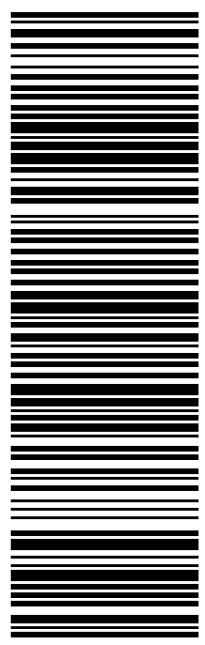
TO **NEIL PADE**  
**TOWN OF CANTON**  
**AICP, DIR. OF PLANNING & ZONING**  
**4 MARKET ST**  
**COLLINSVILLE CT 06022**  
(508) 251-0720 X 3807 REF: 105692009-6089  
INV# PO: DEPT:

56D,J29A7E/FE4A



TRK# 7751 3107 6688  
0201  
MON - 08 NOV 11:30A  
PRIORITY OVERNIGHT

**SE EHTA**  
06022  
CT:US BDL



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TRACK ANOTHER SHIPMENT

775131076688



[ADD NICKNAME](#)

ON TIME

Scheduled delivery:  
Monday, 11/8/2021



**PICKED UP**  
WESTBOROUGH, MA

[GET STATUS UPDATES](#)

**FROM**  
WESTBOROUGH, MA US

**TO**  
COLLINSVILLE, CT US  
[MANAGE DELIVERY](#)

Travel History

Shipment Facts

### Travel History

**TIME ZONE**  
Local Scan Time



Friday, November 5, 2021

2:44 PM

WESTBOROUGH, MA

Picked up  
Tendered at FedEx Office

10:59 AM

Shipment information sent to FedEx

### Shipment Facts

**TRACKING NUMBER**

775131076688

**SERVICE**

FedEx Priority Overnight

**WEIGHT**

0.5 lbs / 0.23 kgs

**TOTAL PIECES**

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**TOTAL SHIPMENT WEIGHT**

0.5 lbs / 0.23 kgs

**TERMS**

Shipper

**SHIPPER REFERENCE**

10-56-92009-6089

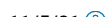
**PACKAGING**

FedEx Envelope

**SPECIAL HANDLING SECTION**

Deliver Weekday

**ACTUAL PICK UP**



**STANDARD TRANSIT**



**SCHEDULED DELIVERY**



**B. SHEPHERD  
SEA COMMUNICATIONS  
134 FLYNNERS RD.  
SUITE 125  
WESTBOROUGH, MA 01581**



WESTBOROUGH  
150 E MAIN ST  
WESTBOROUGH, MA 01581-9998  
(800) 275-8777

11/05/2021 12:57 PM  
Product qty Unit Price

Priority Mail® 2-Day 1 \$7.95  
North Canton, CT 06059  
Weight: 0 lb 8.90 oz  
Expected Delivery Date  
Mon 11/08/2021  
Tracking #: 9505 5112 4893 1309 6282 01  
Insurance Up to \$50.00 included \$0.00  
Total \$7.95

Grand Total: \$7.95

**NORTH CANTON VOL. FIRE ASSOC.  
c/o ROBERT SKINNER  
P.O. Box 393  
NORTH CANTON, CT  
06059-0393**

EXHIBIT 3

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.



# TOWN OF CANTON CT

Information on the Property Records for the Municipality of Canton was last updated on 11/4/2021.



## Parcel Information

Location:	540 CHERRY BROOK ROAD	Property Use:	Automotive	Primary Use:	Serv Sta w/o Bays
Unique ID:	1850540	Map Block Lot:	7/185/0540	Acres:	5.77
490 Acres:	0.00	Zone:	MCPF	Volume / Page:	438/ 33
Developers Map / Lot:		Census:			

## Value Information

	Appraised Value	Assessed Value
Land	171,310	119,910
Buildings	591,394	413,980
Detached Outbuildings	4,800	3,360



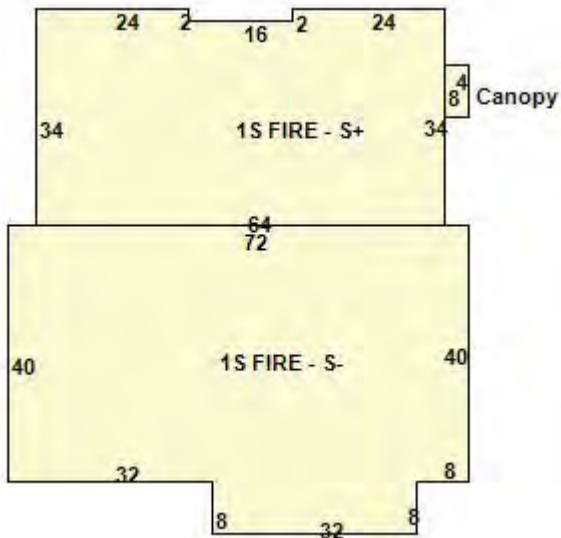
	Appraised Value	Assessed Value
Total	767,504	537,250

### Owner's Information

Owner's Data
CANTON TOWN OF PO BOX 168 COLLINSVILLE, CT 06022

### Building 1

Photo Not Available



Category:	Public Use	Use:	Fire Station - Staffed	GLA:	5,280
Stories:	1.00	Construction:	Metal	Year Built:	2006

Heating:	FHA	Fuel:	Oil	Cooling Percent:	0
Siding:	Metal	Roof Material:	Asphalt	Beds/Units:	0

### Special Features

### Attached Components

Type:	Year Built:	Area:
Canopy	2006	32

### Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Paving	2006	0.00	0.00	6,000

### Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
CANTON TOWN OF	0438	0033	01/25/2018	Warranty Deed	\$0
NORTH CANTON FIRE DEPT	0057	344-			\$0

Information Published With Permission From The Assessor

**EXHIBIT 4**  
**Property Map**

Full Town View   Reset Map   Search   Print   Select   Legend   Base Maps / Air Photos   Map Layer



Full Extent   Zoom In   Zoom Out   Prev Extent   Next Extent   Pan   Parcel Information   Simple Measure   Path Measure   Area Measure

[MapXpress v1.2](#)

Scale: 1 in = 400 ft

Google Maps 540 Cherry Brook Rd



Imagery ©2021 CNES / Airbus, Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2021 200 ft

**EXHIBIT 5**

**Zoning Documents**

SITE ID #4275-011

SITE NAME: North Canton, 2

JOB COST #001500

**ZONING/PERMITTING COMPLETION FORM**

Zoning Classification for Site: AR-3

Special Relief (setback, height variance, special use permit, wetlands permit etc.):

**Special Permit Approval**

\* Date of Zoning Decision: 10/19/00

Summary of zoning conditions **(Include details of any conditions relative to time restrictions, expiration dates, renewal obligations, monetary obligations, performance obligation, inspection fees).**

See attached Stipulation for Judgment. Settlement was reached via litigation. Included in the stipulated judgment is a condition that the Special Permit is to be renewed by SBA every five years.

Submitted by: Esther McNany

Title: Territory Manager

Territory Manager Approval:

\* Attach a copy of the Zoning decision and forward to the Regional Compliance Manager as soon as possible, after the decision.

# HURWITZ & SAGARIN LLC

October 23, 2000

Sheila Becker, Esq.  
SBA, Inc.  
900 Cummings Center  
Suite 216U  
Beverly, MA 01915

Ms. Esther McNany  
SBA, Inc.  
80 Eastern Boulevard  
Glastonbury, CT 06033

Re: SBA v. Canton

Dear Sheila and Esther:

Enclosed please find a Motion For Judgment and Stipulation For Judgment in the captioned matter. The Court entered judgment in accordance with the stipulation this morning. Counsel for the Town will let me know when the special exception will be issued. Once it is, the federal action will be withdrawn.

Please call me with any questions.

Very truly yours,



John W. Knuff  
JWK:kvc

Enclosures



NO. CV 00 0595406S

SBA COMMUNICATIONS, INC.

v.

ZONING COMMISSION OF THE  
TOWN OF CANTON


: SUPERIOR COURT  
:  
:  
: JUDICIAL DISTRICT  
:  
:  
: OF HARTFORD  
:  
:  
:  
:  
:  
: OCTOBER 23, 2000

MOTION FOR JUDGMENT

Defendant Zoning Commission of the Town of Canton hereby move for judgment in accordance with the attached Stipulation of Judgment. John Knuff, counsel for plaintiff SBA Communications, Inc. has been contacted regarding this Motion and has no objection.

DEFENDANT,  
ZONING COMMISSION OF THE TOWN  
OF CANTON

By

  
\_\_\_\_\_  
John I. Harris  
Matthew Ranelli  
For Shipman & Goodwin LLP  
Its Attorneys

ORAL ARGUMENT REQUESTED  
TESTIMONY NOT REQUIRED

ORDER

The foregoing Motion having been heard, it is hereby ORDERED:  
GRANTED/DENIED.

BY THE COURT,

DATE \_\_\_\_\_

\_\_\_\_\_  
Judge/Assistant Clerk

CERTIFICATION OF SERVICE

I hereby certify that a copy of the foregoing Motion for Judgment was mailed, postage prepaid, this 23rd day of October, 2000, to:

John W. Knuff, Esq.  
Margaret E. Haering, Esq.  
Hurwitz & Sagarin, LLC  
147 North Broad Street  
Milford, Connecticut 06460

  
\_\_\_\_\_  
Matthew Ranelli

276153

NO. CV 00 0595406S : SUPERIOR COURT  
SBA COMMUNICATIONS, INC. : JUDICIAL DISTRICT  
v. : OF HARTFORD  
ZONING COMMISSION OF THE :  
TOWN OF CANTON : OCTOBER 19, 2000

STIPULATION FOR JUDGMENT

The parties hereby stipulate to the following facts:

1. Plaintiff SBA Communications, Inc. ("SBA") is a Florida corporation in the business of providing services to licensed personal wireless telecommunications carriers.
2. The Zoning Commission of the Town of Canton (the "Commission") is the duly authorized Zoning Commission of the Town of Canton.
3. On September 2, 1999, SBA submitted to the Commission an application for a special exception and site plan approval for a facility consisting of a 195 foot monopole with a fenced-in compound area to be located on property owned by the North Canton Volunteer Fire Association, Inc. (the "Fire Association"). The plan included provisions to tear down the existing communications tower also located on the Fire Association's property and to erect a 195 foot monopole and

relocate the Fire Association's emergency radio service antennas to the new pole.

4. The location of the proposed tower is zoned AR-3.

5. Telecommunication towers are a permitted use in all districts, including AR-3, in Canton subject to approval of a special exception. The regulations limit tower height to 70 feet and impose front and side yard setback requirements.

6. On August 9, 1999, SBA obtained a variance from the Canton Zoning Board of Appeals of the tower height limitation.

7. After holding duly-noticed public hearings on November 17, 1999 and December 15, 1999, the Commission denied SBA's application for special exception for the reasons stated in its denial letter to SBA dated April 10, 2000.

8. On January 4, 2000, SBA appealed the Commission's decision to the Connecticut Superior Court and filed an action in the United States District Court for the District of Connecticut (SBA Communications, Inc. v. Zoning Commission of the Town of Canton, Civil Action No. 3:00 CV 007 (RNC)) setting forth claims under the federal Telecommunications Act of 1996, 47 U.S.C. § 332.

9. While these state and federal court claims were pending, the parties made cooperative settlement efforts resulting in this Stipulation for Judgment.

10. The parties agree that this Stipulation is subject to Superior Court approval.

11. The defendant Commission hereby agrees to issue a special exception and site plan approval for a 150 foot monopole at the Fire Association site in settlement of the state and federal court actions as approved at its October 18, 2000 meeting. The monopole would house the Fire Association's emergency communications system and be subject to the following conditions:

a. The facility is approved and will be constructed in accordance with the revised site plan dated December 13, 1999 except that the tower height shall be a maximum of 150 feet rather than 195 feet and that the diameter of the tower at the base and top shall be the lesser of the dimensions shown on the reference plan or as prescribed by the ANSI standard;

b. If more than five carriers are to be installed, the applicant must submit a site plan modification;

c. Additional landscaping shall be provided to satisfactorily screen the fencing and auxiliary structures according to the requirements of the Town Planner;

d. Any auxiliary equipment deviations from the drawings dated December 13, 1999 must be submitted for site plan review;

e. A removal bond must be posted in the initial amount of \$50,000 and adjusted upon renewal dates to reflect the true cost of removal;

f. The tower shall be inspected for structural integrity every five years and the removal bond shall be renewed concurrently;

g. Approval is for a five year period and is renewable for an additional five years subject to a successful submission of a re-inspection report and renewals of a removal bond; and

h. Approval of the special exception is subject to approval of the settlement by the Superior Court.

12. The defendant Commission will issue the special exception permit to plaintiff SBA promptly after the Court's approval and entry of this Stipulation for Judgment. Within five days after issuance of the special exception by the

defendant Commission in accordance with this Stipulation, the parties will file a Stipulation of Dismissal of the pending action in the United States District Court for the District of Connecticut.

13. Plaintiff SBA agrees to provide counsel for defendant with an executed Stipulation of Dismissal to be held in escrow, pending issuance of the special exception permit and site plan.

THE PLAINTIFFS

By: 

Elias A. Alexiades  
John W. Knuff  
Hurwitz & Sagarin, LLC  
147 North Broad Street  
Milford, Connecticut 06460  
Juris No. 26616  
Telephone: (203) 877-8000

THE DEFENDANTS

By: 

John T. Harris  
Matthew Ranelli  
Shipman & Goodwin, LLP  
One American Row  
Hartford, Connecticut 06101  
Juris No.  
Telephone: 860-251-5602

# EXHIBIT 6

Constrcution Drawings



# SBA CANTON CHERRYBROOK RD MONOPOLE

10 SHAGBARK LANE  
CANTON, CT 06019  
HARTFORD COUNTY

## SITE NO.: CTHA530A

SITE TYPE: 150'± MONOPOLE

PROJECT TYPE: NATIONAL HARDENING PROJECT

### APPROVALS

PROJECT MANAGER:	DATE:	ZONING/SITE ACQ.:	DATE:
CONSTRUCTION:	DATE:	OPERATIONS:	DATE:
RF ENGINEERING:	DATE:	TOWER OWNER:	DATE:

### T-MOBILE TECHNICIAN SITE SAFETY NOTES

LOCATION	SPECIAL RESTRICTIONS
SECTOR A:	ACCESS BY CERTIFIED CLIMBER
SECTOR B:	ACCESS BY CERTIFIED CLIMBER
SECTOR C:	ACCESS BY CERTIFIED CLIMBER
SECTOR D:	ACCESS BY CERTIFIED CLIMBER
GPS/LMU:	UNRESTRICTED
RADIO CABINETS:	UNRESTRICTED
PPC DISCONNECT:	UNRESTRICTED
MAIN CIRCUIT D/C:	UNRESTRICTED
NIU/T DEMARC:	UNRESTRICTED
OTHER/SPECIAL:	NONE

### GENERAL NOTES

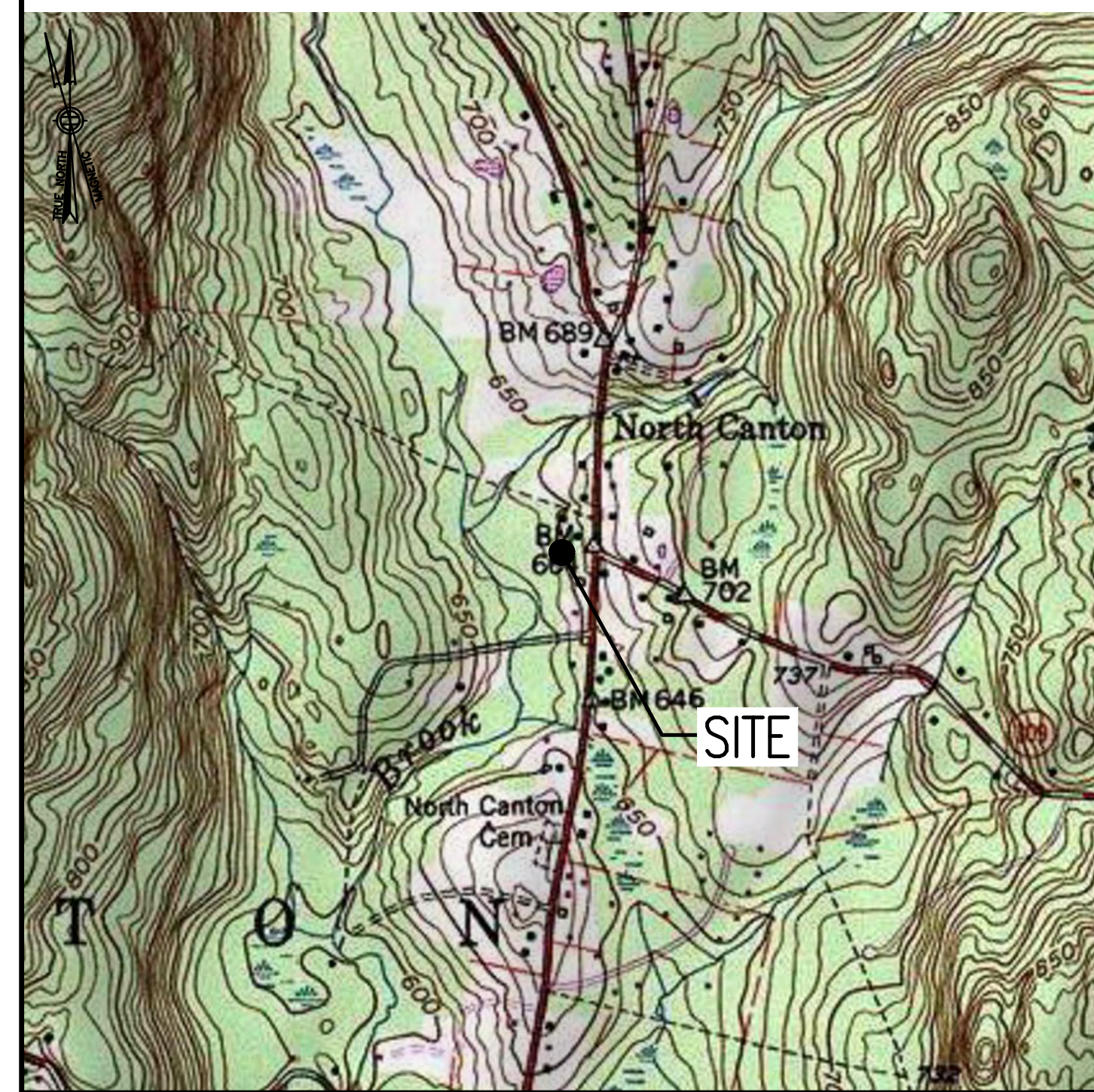
- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK THE CONTRACTOR BEING 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.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE OMINPOINT REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- 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 CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- 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.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT OWNER'S REPRESENTATIVE 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 LESSEE/LICENSEE REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK.

AT LEAST 72 HOURS PRIOR TO DIGGING, THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 811



### VICINITY MAP

SCALE: 1" = 1000'-0"



### DIRECTIONS

TURN LEFT ONTO S WASHINGTON ST. TURN RIGHT ONTO MA-123 E. TURN LEFT TO MERGE ONTO I-495 NORTH TOWARD MANSFIELD/MARLBORO. MERGE ONTO I-495 NORTH. TAKE EXIT 58 TO MERGE ONTO I-90 WEST TOWARD ALBANY. TAKE EXIT 78 TOWARD I-84. TAKE EXIT 61 TO MERGE ONTO I-291 WEST. TAKE EXIT 1 FOR CT-218. TURN LEFT ONTO CT-218 WEST. TURN RIGHT ONTO CT-189 NORTH. TURN LEFT ONTO GABB ROAD. TURN LEFT ONTO CT-178 WEST. TURN RIGHT ONTO CT-185 WEST. TURN RIGHT ONTO HOPMEADOW STREET. TURN ONTO STRATTON BROOK ROAD. TURN LEFT ONTO FARMS VILLAGE ROAD. CONTINUE ONTO CT-309 WEST. TURN LEFT ONTO CT-179 SOUTH. TURN RIGHT ONTO SHAG BARK LANE. SITE WILL BE ON THE LEFT.

### SHEET INDEX

SHEET NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	0
GN-1	GENERAL NOTES	0
A-1	COMPOUND & EQUIPMENT PLANS	0
A-2	GENERATOR DETAILS	0
A-3	GENERATOR SPECIFICATIONS 1	0
A-4	GENERATOR SPECIFICATIONS 2	0
E-1	ELECTRIC & GROUNDING DETAILS	0

### DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

### SCOPE OF WORK

REMOVE:	INSTALL:
• NONE	• 1 GENERATOR
	• 1 AUTOMATIC TRANSFER SWITCH
	• 2 20A-1P BREAKERS

### SITE NOTES

- THIS IS AN UNMANNED AND RESTRICTED ACCESS TELECOMMUNICATION FACILITY, AND IS NOT FOR HUMAN HABITATION. IT WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNAL FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
  - ADA COMPLIANCE NOT REQUIRED.
  - POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
  - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON 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 PLACE THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- NEW CONSTRUCTION WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
  - BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE
  - ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE
  - STRUCTURAL CODE: TIA/EIA-222-G STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

### PROJECT SUMMARY

SITE NUMBER:	CTHA530A
SITE NAME:	SBA CANTON CHERRYBROOK RD MONOPOLE
SBA SITE NUMBER:	CT01500-S
SBA SITE NAME:	CANTON 2 CT
SITE ADDRESS:	10 SHAGBARK LANE CANTON, CT 06019
PROPERTY OWNER:	TOWN OF CANTON PO BOX 168 COLLINSVILLE, CT 06022
TOWER OWNER:	SBA TOWERS, LLC 8501 CONGRESS AVENUE BOCA RATON, FL 33487 PHONE: 561-226-9523
COUNTY:	HARTFORD
ZONING DISTRICT:	AR-3 (AGRICULTURAL)
STRUCTURE TYPE:	MONOPOLE
STRUCTURE HEIGHT:	150'±
APPLICANT:	T-MOBILE NORTHEAST LLC 15 COMMERCE WAY, SUITE B NORTON, MA 02766
ARCHITECT:	CHAPPELL ENGINEERING ASSOCIATES, LLC. 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
STRUCTURAL ENGINEER:	CHAPPELL ENGINEERING ASSOCIATES, LLC. 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH, MA 01752
SITE CONTROL POINT:	LATITUDE: N.41.894200° N41°53'39.12" LONGITUDE W.72.893300° W72°53'35.88"

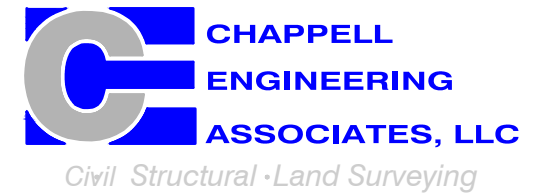
**SPECIAL ZONING NOTE:**  
BASED ON INFORMATION PROVIDED BY T-MOBILE REGULATORY COMPLIANCE PROFESSIONALS AND LEGAL COUNSEL, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS CONSIDERED AN ELIGIBLE FACILITY UNDER THE MIDDLE CLASS TAX RELIEF AND JOB CREATION ACT OF 2012, 47 USC 1455(A), SECTION 6409(A), AND IS SUBJECT TO AN ELIGIBLE FACILITY REQUEST, EXPEDITED REVIEW, AND LIMITED/PARTIAL ZONING PRE-EMPTION FOR LOCAL DISCRETIONARY PERMITS (VARIANCE, SPECIAL PERMIT, SITE PLAN REVIEW, OR ADMINISTRATIVE REVIEW).

T-MOBILE  
NORTHEAST LLC

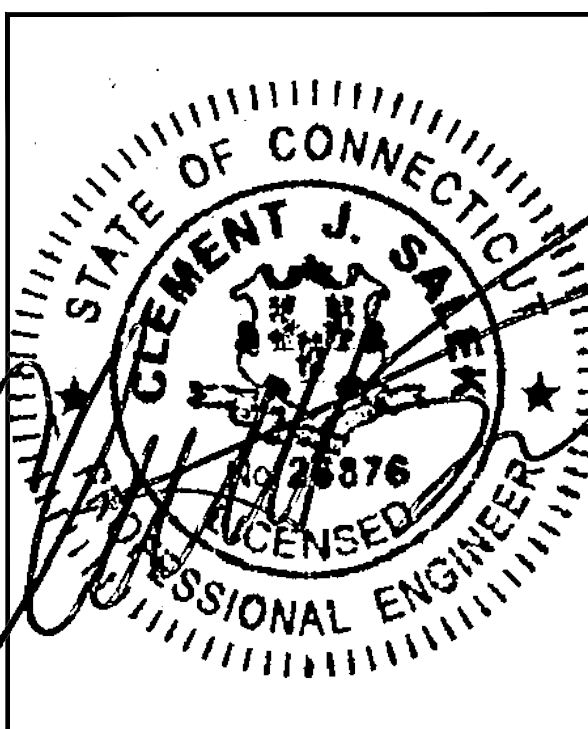
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
(508) 286-2700



SBA COMMUNICATIONS CORP.  
134 FLANDERS ROAD, SUITE 125  
WESTBOROUGH, MA 01581  
(508) 251-0720



R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST, SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
www.chappellengineering.com



CHECKED BY: JMT

APPROVED BY: JMT

### SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	10/29/21	ISSUED FOR REVIEW	JRV

SITE NUMBER:  
**CTHA530A**

SITE ADDRESS:  
10 SHAGBARK LANE  
CANTON, CT 06019

SHEET TITLE

TITLE SHEET

SHEET NUMBER

**T-1**



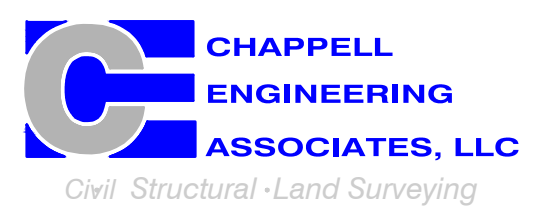
**SPECIAL CONSTRUCTION WORK NOTE (HAND DUG UTILITY TRENCH EXCAVATION REQUIRED):**  
 EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH SUFFICIENT TEST HOLES OR AS DIRECTED/REQUIRED BY SBA REGIONAL SITE MANAGER SHALL HAND-EXCAVATE ALL PROPOSED UNDERGROUND UTILITY TRENCHES. GENERAL CONTRACTOR RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF EXISTING UNDERGROUND UTILITIES, PHYSICAL DAMAGE REPAIR, AND SERVICE RESTORATION.

**T-MOBILE  
NORTHEAST LLC**

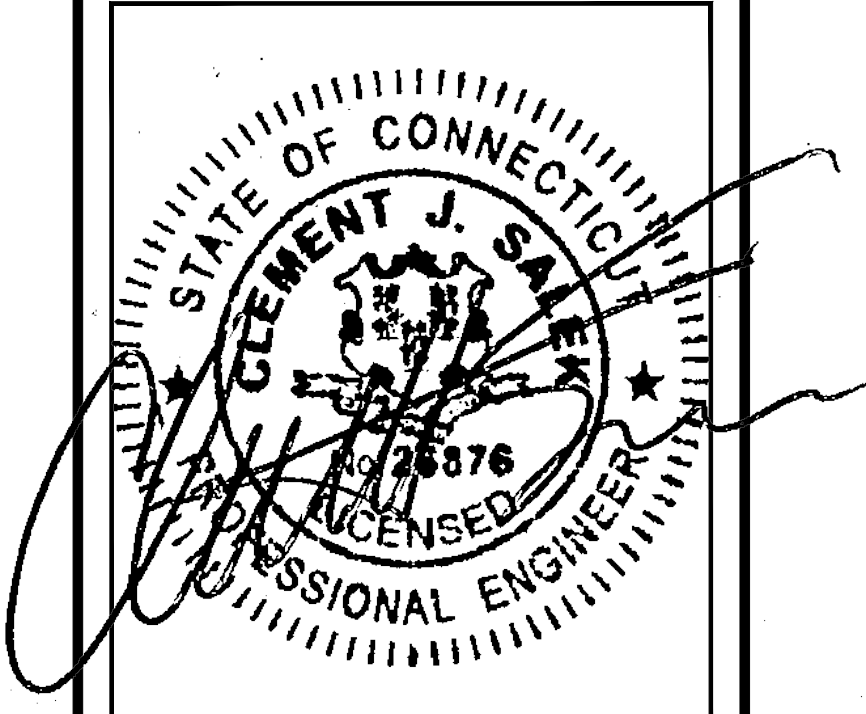
15 COMMERCE WAY, SUITE B  
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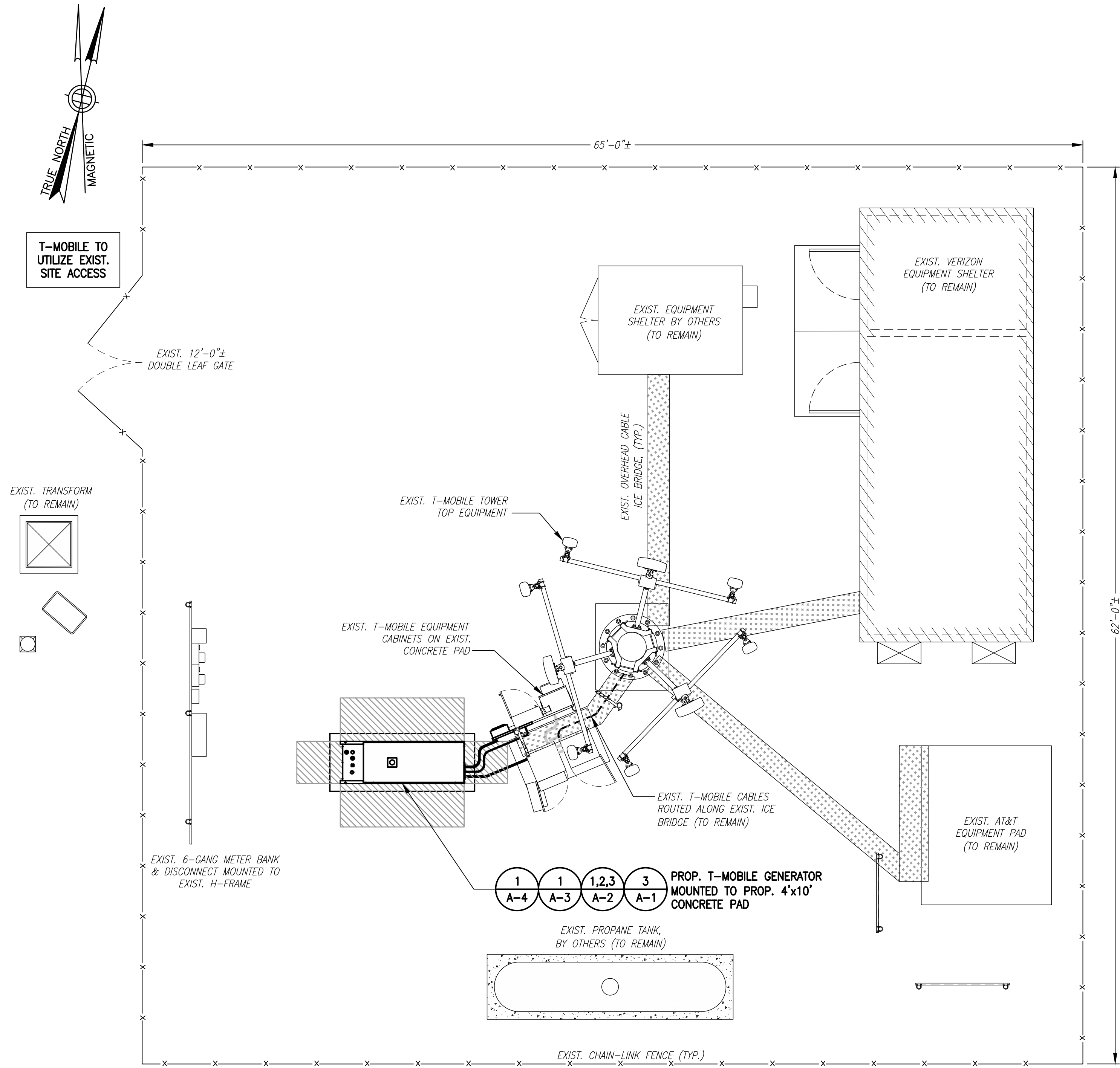
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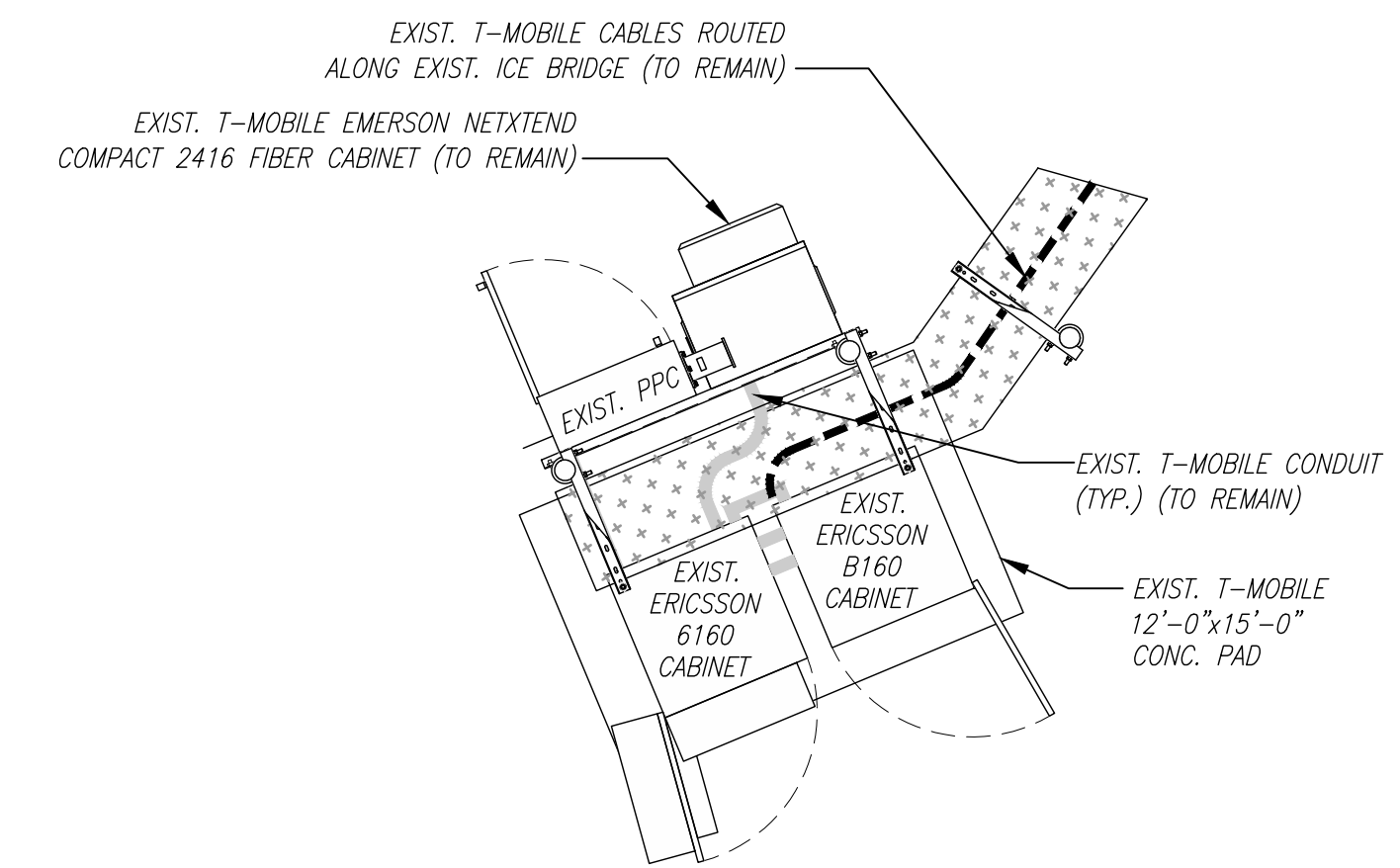
SITE ADDRESS:  
 10 SHAGBARK LAND  
 CANTON, CT 06019

SHEET TITLE  
**COMPOUND &  
EQUIPMENT PLAN**

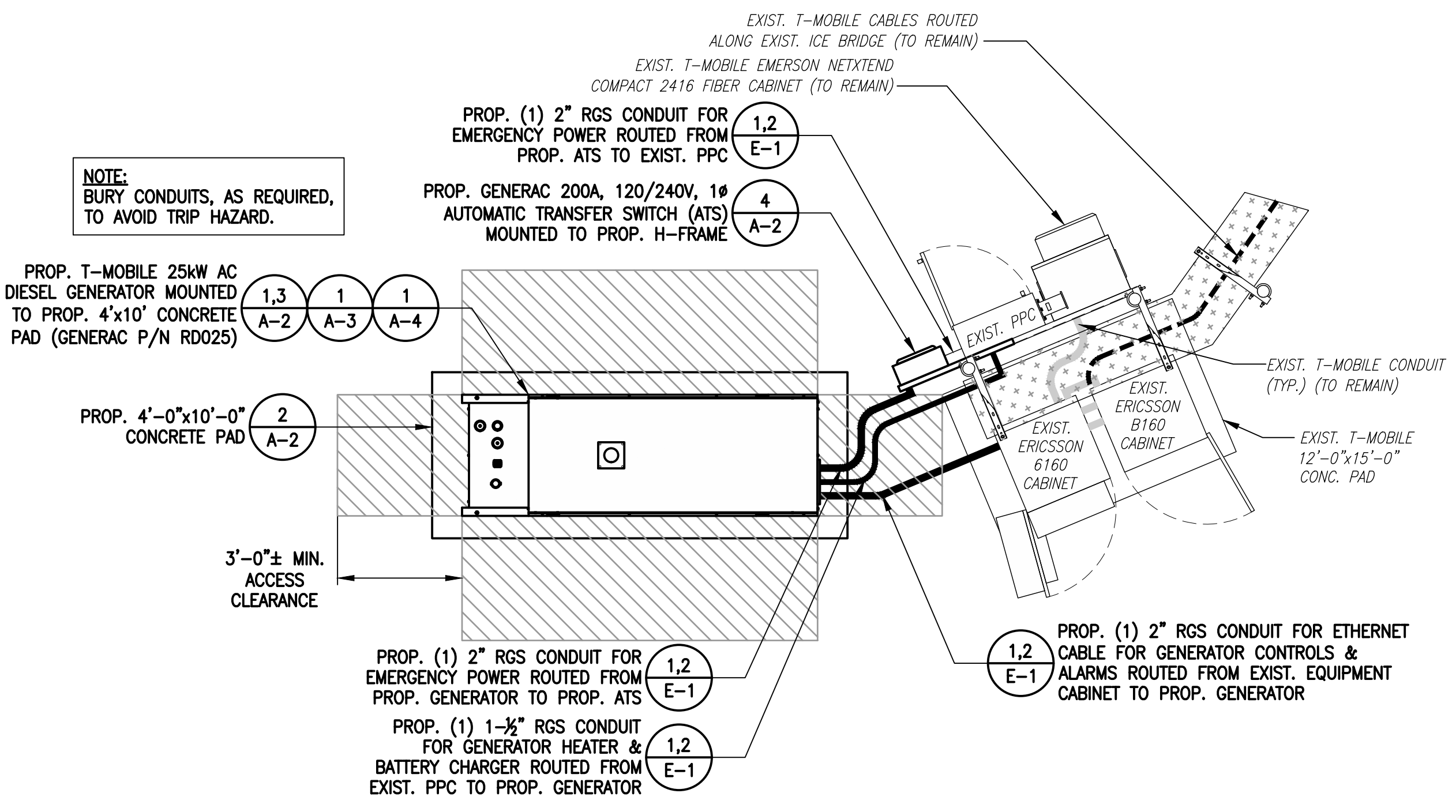
SHEET NUMBER  
**A-1**



**COMPOUND PLAN** 1  
 SCALE: 1" = 5'-0"  
 0 5'-0" 10'-0" 15'-0"

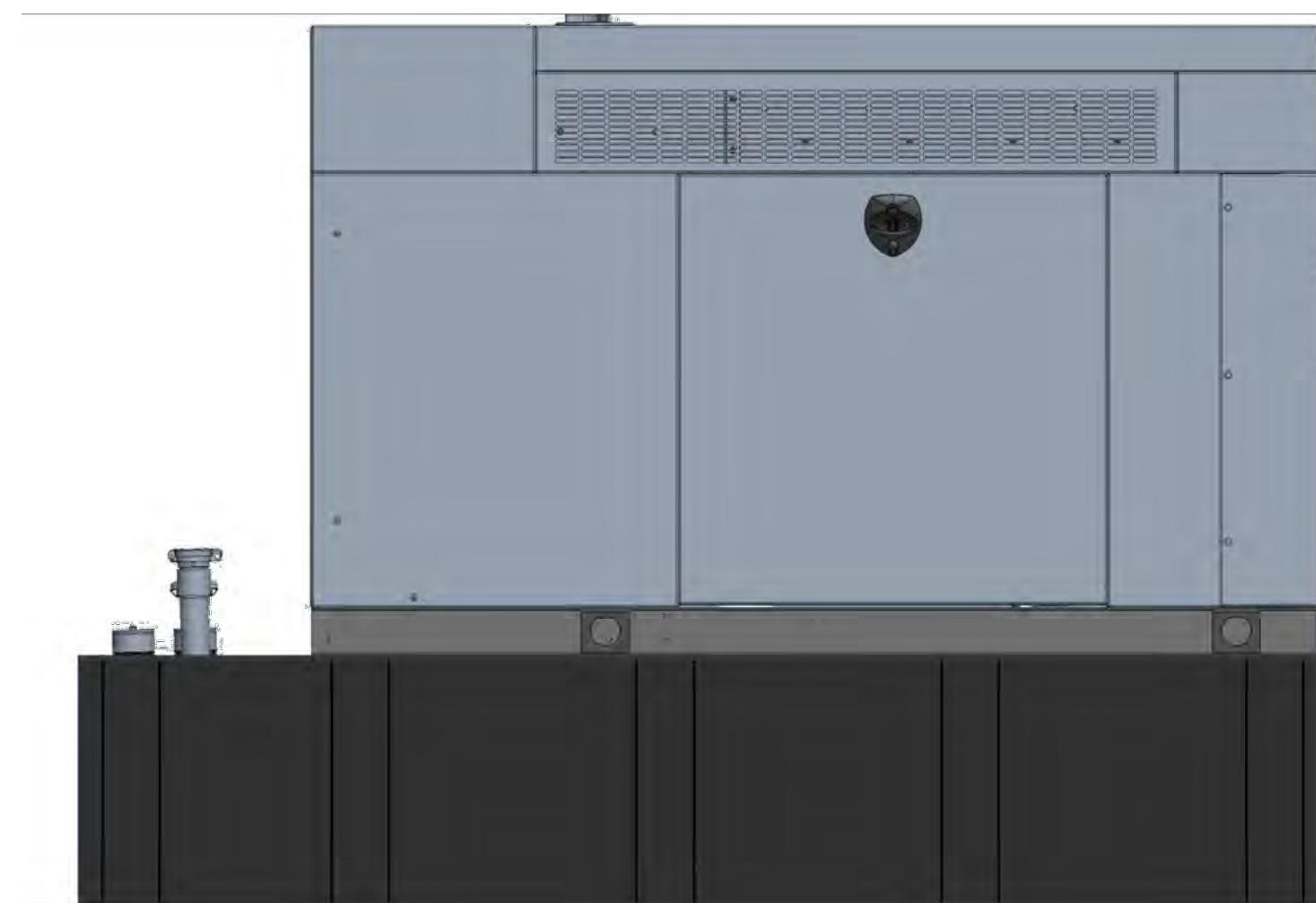


**EXISTING EQUIPMENT PLAN** 2  
 SCALE: 3/8" = 1'-0"  
 0 2'-8" 5'-4" 8'-0"



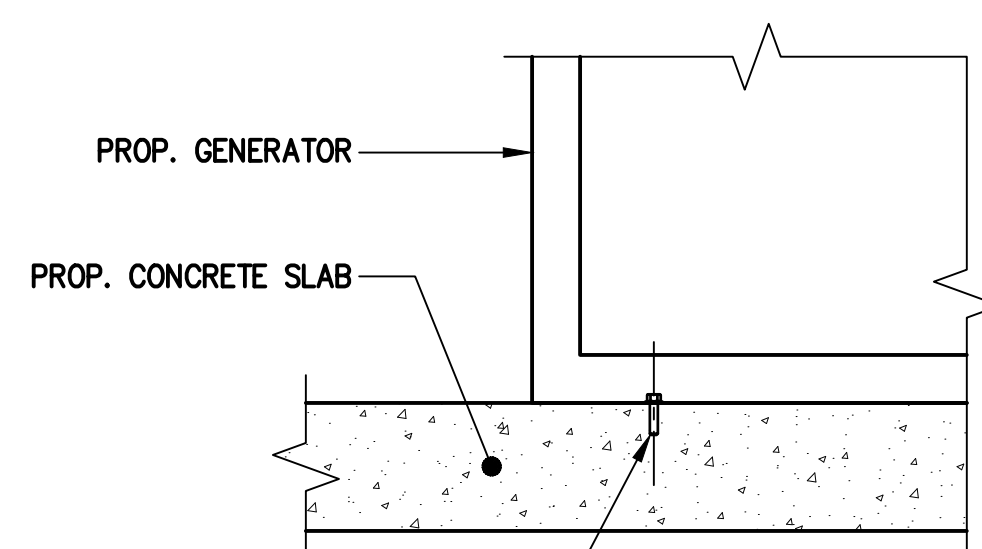
**PROPOSED EQUIPMENT PLAN** 3  
 SCALE: 3/8" = 1'-0"  
 0 2'-8" 5'-4" 8'-0"

**NOTE:**  
GENERATOR DIESEL TANK TO  
BE FILLED BY CONTRACTOR



**GENERAC RD025 25kW AC DIESEL GENERATOR**  
 DIMENSIONS: 103.4"L x 35.0"W x 91.7"H  
 WEIGHT: 2,946 lbs  
 QUANTITY: TOTAL OF 1

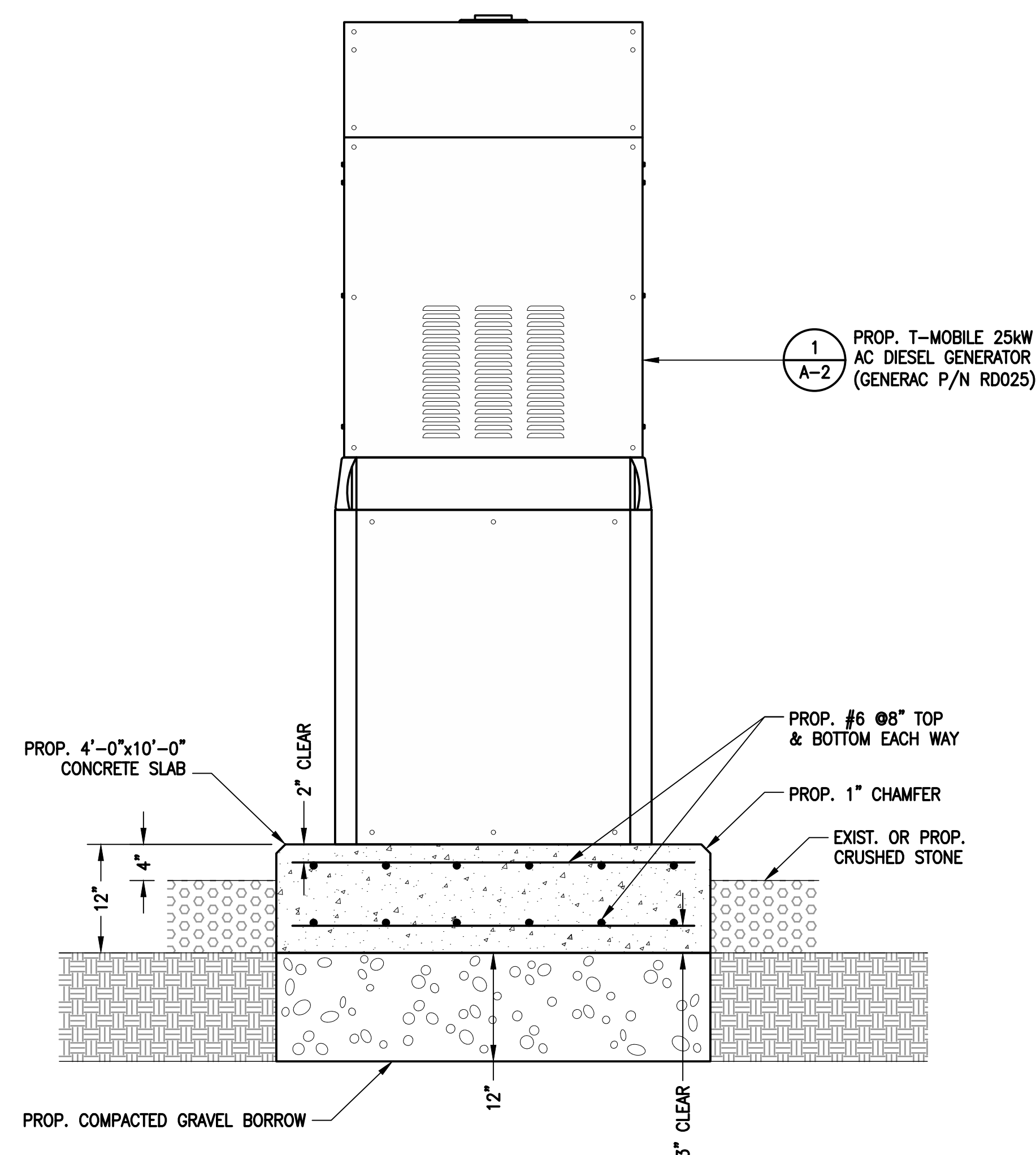
**GENERATOR DETAIL** (1/A-2)  
 SCALE: N.T.S.



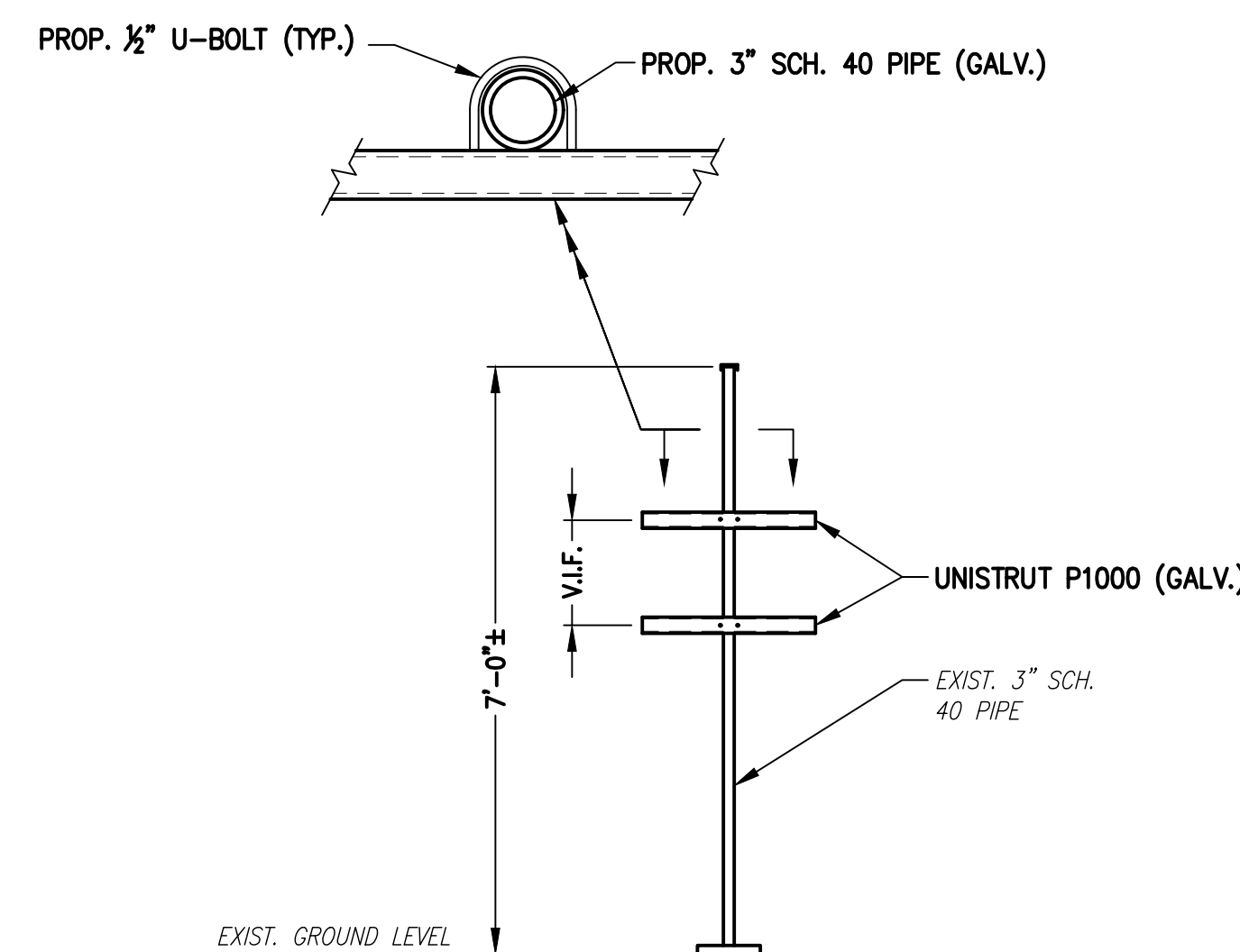
PROP. 1/2" HILTI KWIK BOLT TZ STAINLESS  
 STEEL ANCHOR BOLT WITH 2" MIN.  
 EMBEDMENT IN CONCRETE 1CC-ESR-1917,  
 LARR 25701, EACH CORNER PER  
 MANUFACTURER'S SPECIFICATIONS (TYP.)  
 (SPECIAL INSPECTION REQUIRED)

**NOTE:**  
CONTRACTOR TO VERIFY 3"  
 MIN. FROM EDGE OF CONCRETE  
 TO NEW MOUNTING BOLT.

**GENERATOR MOUNTING DETAIL** (3/A-2)  
 SCALE: N.T.S.



**GENERATOR PAD DETAIL** (2/A-2)  
 SCALE: NTS



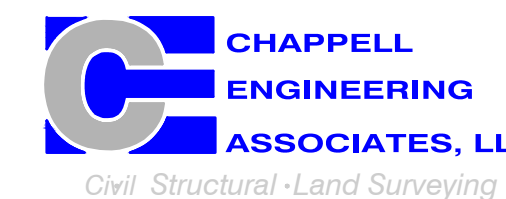
**H-FRAME DETAIL** (4/A-2)  
 SCALE: N.T.S.

**T-MOBILE  
 NORTHEAST LLC**

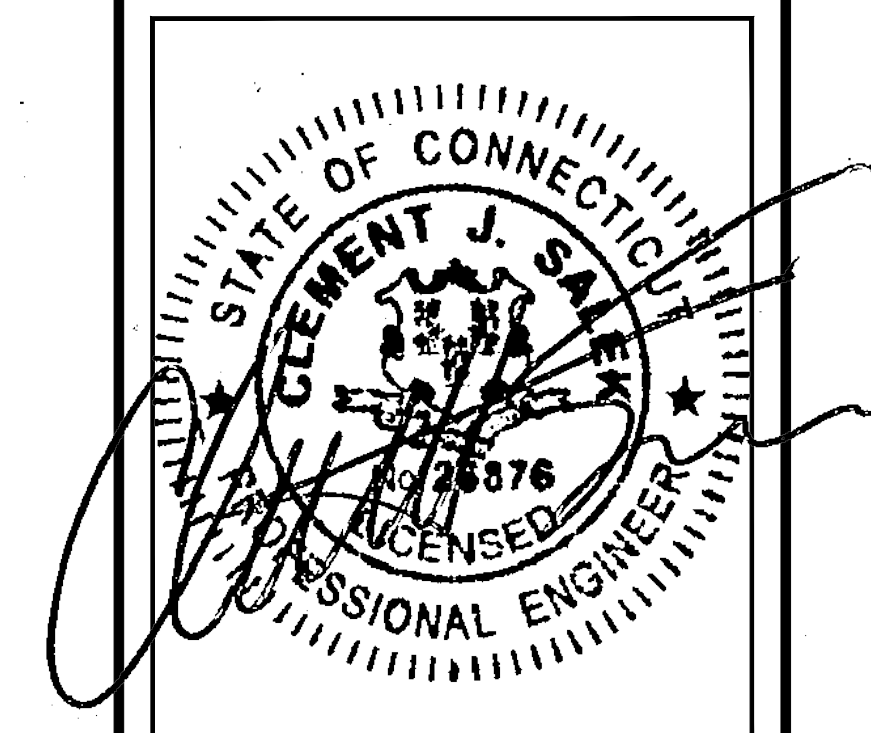
15 COMMERCE WAY, SUITE B  
 NORTON, MA 02766  
 (508) 286-2700



SBA COMMUNICATIONS CORP.  
 134 FLANDERS ROAD, SUITE 125  
 WESTBOROUGH, MA 01581  
 (508) 251-0720



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 MARLBOROUGH, MA 01752  
 (508) 481-7400  
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CHECKED BY: JMT

APPROVED BY: JMT

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
0	10/29/21	ISSUED FOR REVIEW	JRV

SITE NUMBER:  
**CTHA530A**

SITE ADDRESS:  
 10 SHAGBARK LAND  
 CANTON, CT 06019

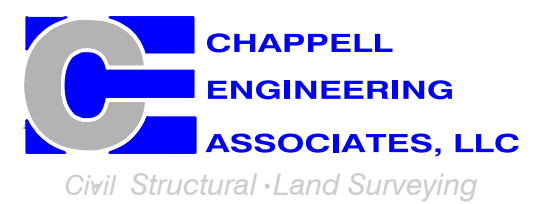
SHEET TITLE  
**GENERATOR DETAILS**

SHEET NUMBER  
**A-2**

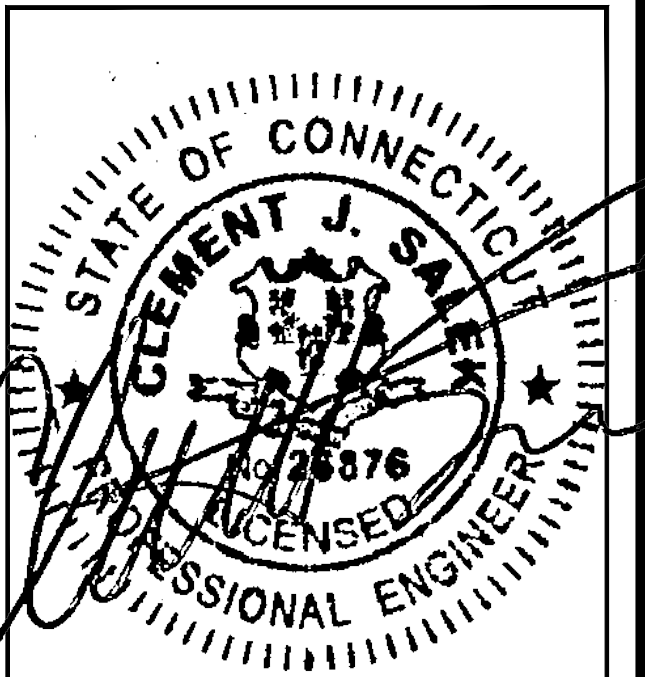
15 COMMERCE WAY, SUITE B  
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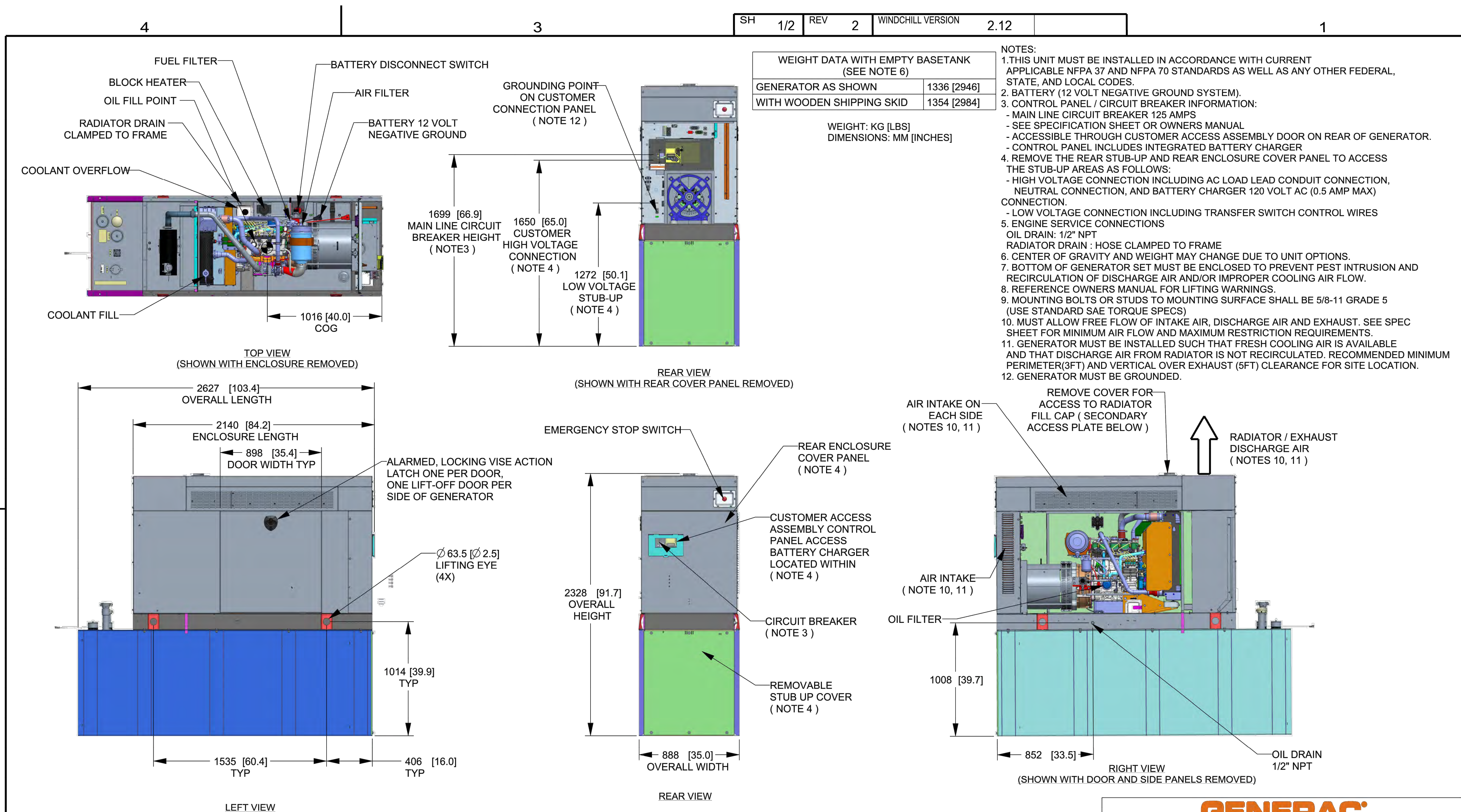
SUBMITTALS			
REV.	DATE	DESCRIPTION	BY
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SITE NUMBER:  
**CTHA530A**

SITE ADDRESS:  
10 SHAGBARK LAND  
CANTON, CT 06019

SHEET TITLE  
**GENERATOR SPECIFICATIONS 1**

SHEET NUMBER  
**A-3**



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

# INSTALLATION DRAWING

GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS. ©GENERAC POWER SYSTEMS 2013

ELECTRONICALLY APPROVED INSIDE WINDCHILL

**GENERAC**

TITLE  
**INSTALLATION D2.2L  
25KW Y06 PD**

ISSUE DATE: 5/10/18

SIZE	CAGE NO	DWG NO	REV
B	N/A	10000036728	2

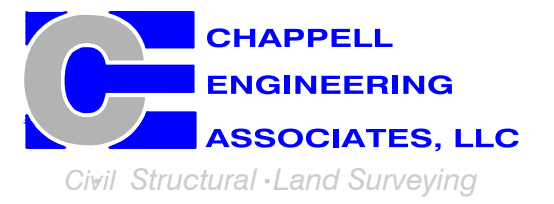
SCALE	WT-KG	SEE ABOVE	SHEET	1 of 2
0.031				

T-MOBILE  
NORTHEAST LLC

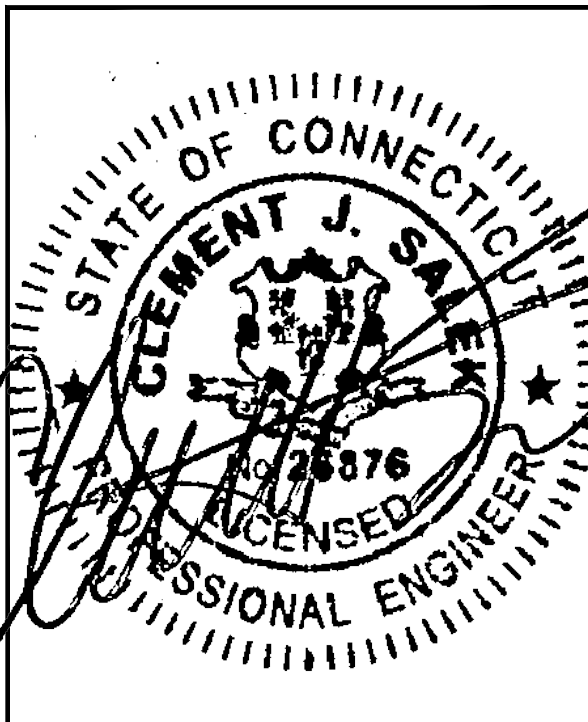
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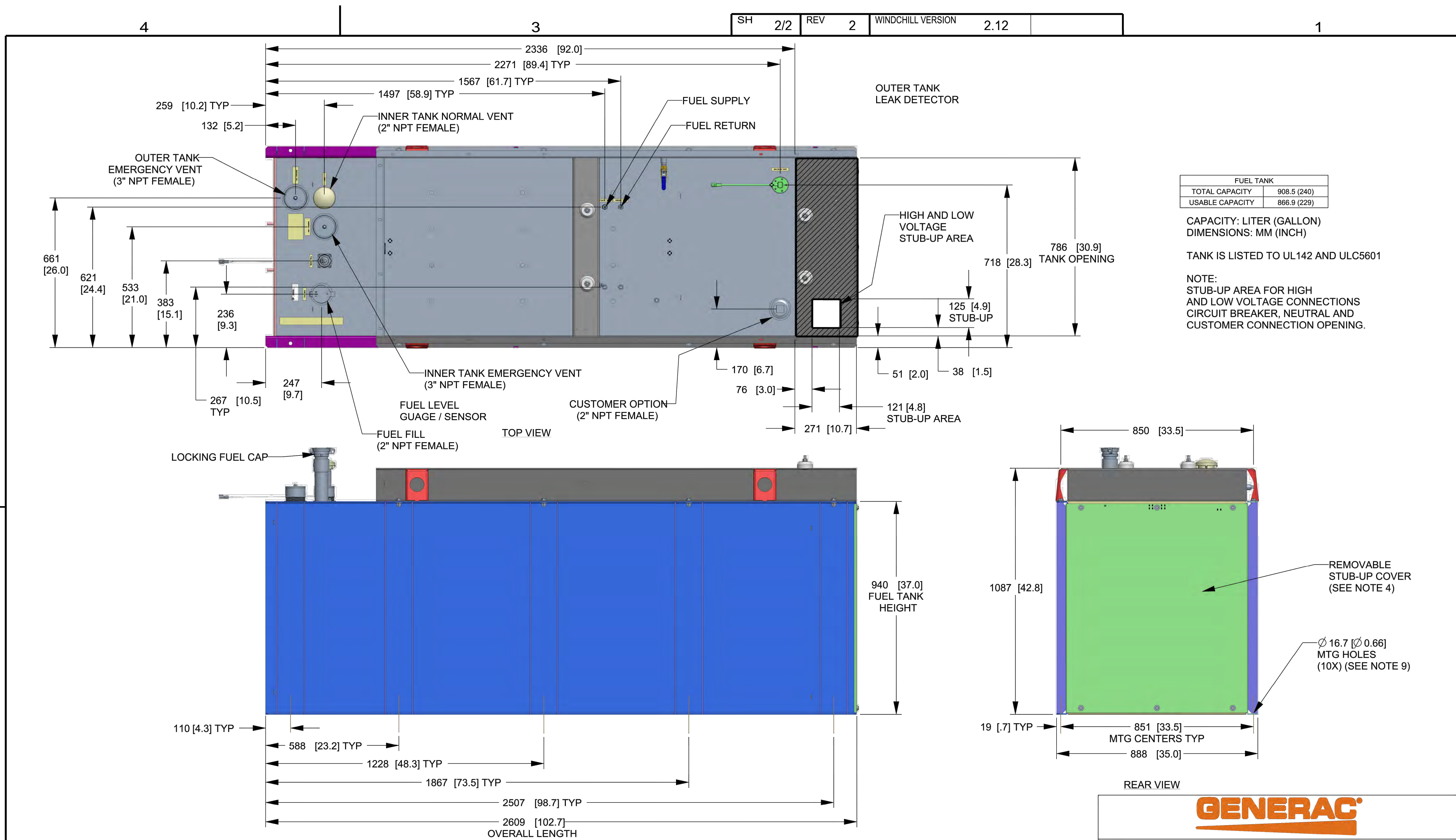
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SITE ADDRESS:  
10 SHAGBARK LAND  
CANTON, CT 06019

SHEET TITLE  
**GENERATOR SPECIFICATIONS 2**

SHEET NUMBER  
**A-4**



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS. ©GENERAC POWER SYSTEMS 2013

ELECTRONICALLY APPROVED INSIDE WINDCHILL

**GENERAC**

TITLE  
**INSTALLATION D2.2L  
25KW Y06 PD**

ISSUE DATE: 5/10/18

SIZE <b>B</b>	CAGE NO N/A	DWG NO <b>10000036728</b>	REV <b>2</b>
SCALE <b>0.063</b>	WT-KG SEE ABOVE	SHEET <b>2 of 2</b>	

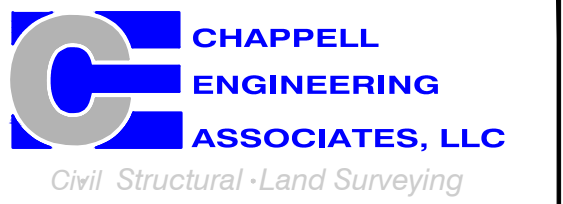
# INSTALLATION DRAWING

# T-MOBILE NORTHEAST LLC

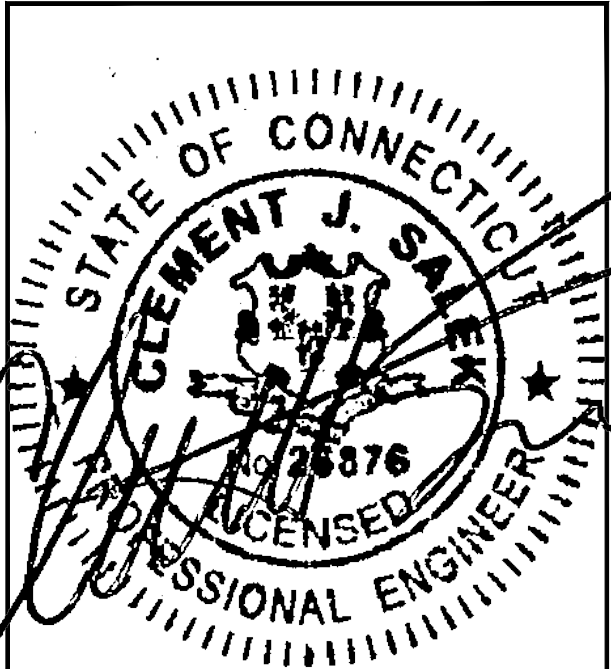
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
(508) 286-2700



SBA COMMUNICATIONS CORP.  
134 FLANDERS ROAD, SUITE 125  
WESTBOROUGH, MA 01581  
(508) 251-0720



R.K. EXECUTIVE CENTRE  
201 BOSTON POST ROAD WEST, SUITE 101  
MARLBOROUGH, MA 01752  
(508) 481-7400  
www.chappellengineering.com



CHECKED BY: JMT

APPROVED BY: JMT

### SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	10/29/21	ISSUED FOR REVIEW	JRV

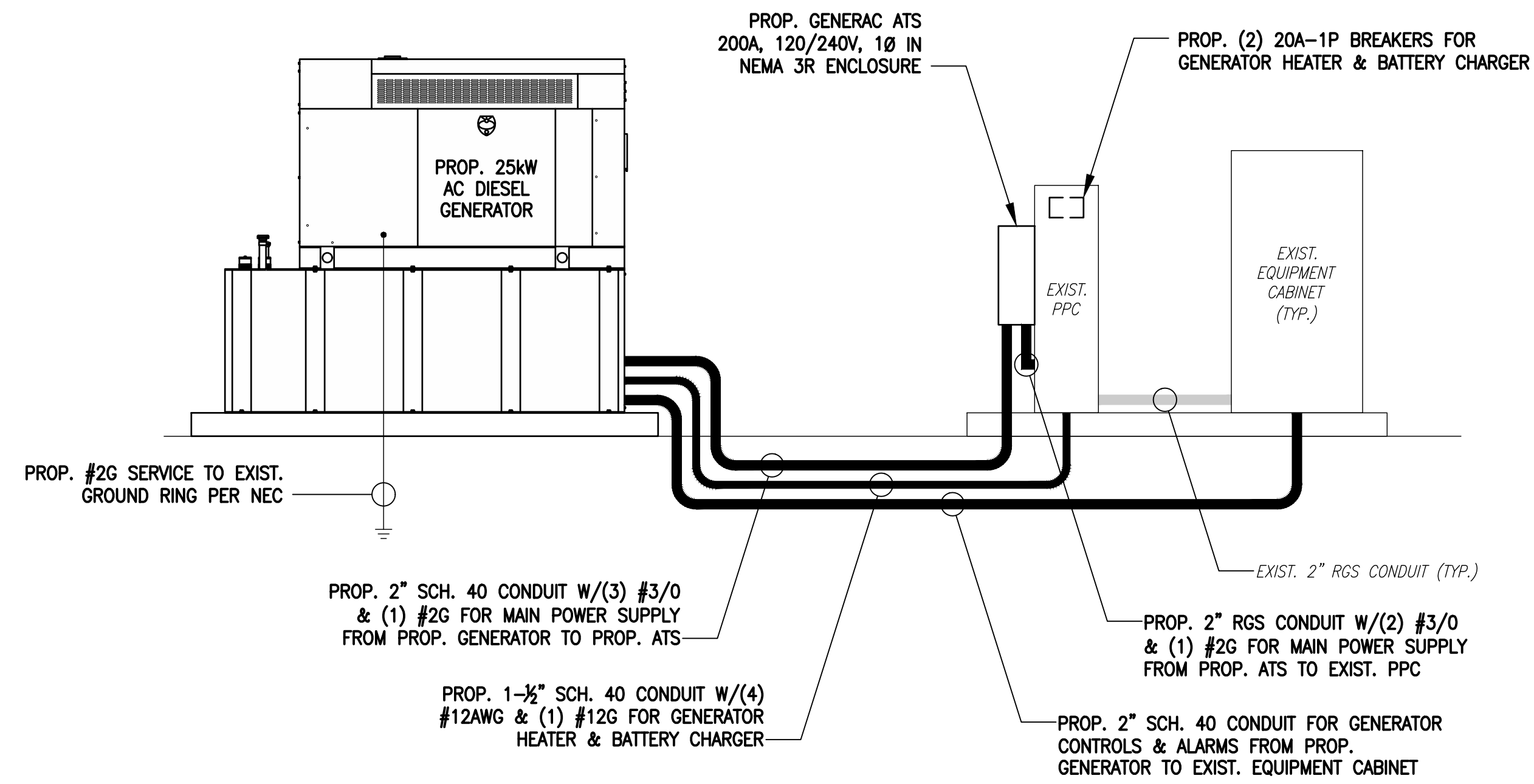
SITE NUMBER:  
**CTHA530A**

SITE ADDRESS:  
10 SHAGBARK LAND  
CANTON, CT 06019

SHEET TITLE  
**ELECTRIC & GROUNDING  
DETAILS**

SHEET NUMBER  
**E-1**

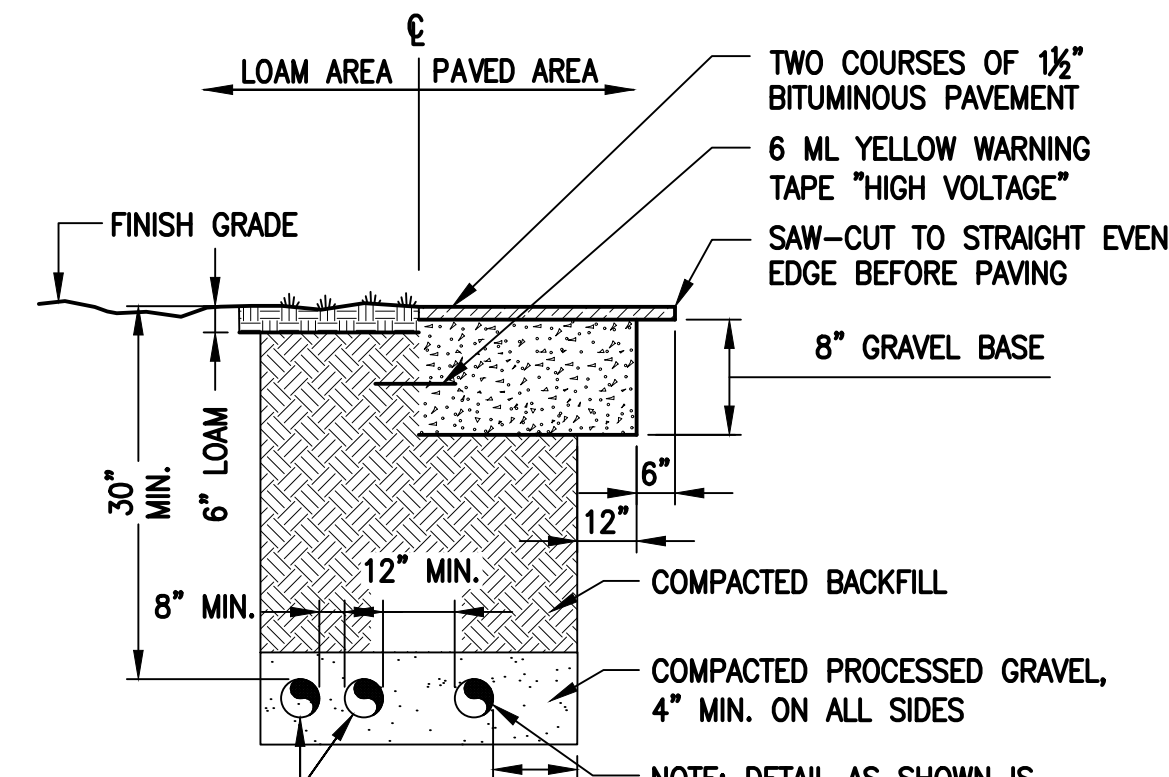
NOTE:  
CUT BACK (E) MAIN POWER CONDUIT, AS  
REQUIRED, & RECONNECT TO (P) ATS.



**ONE-LINE POWER DIAGRAM**

SCALE: NOT TO SCALE

1  
E-1

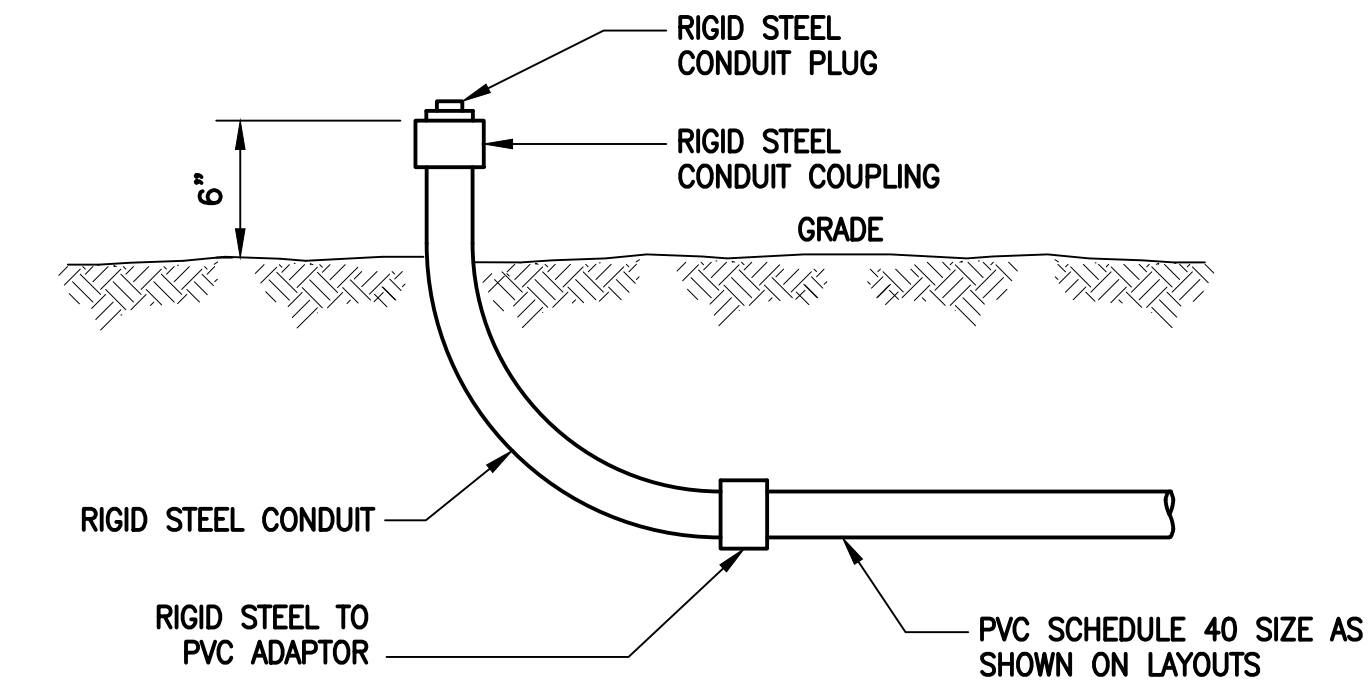


SCHEDULE 40 CONDUITS FOR NEW ELECTRICAL AND TELEPHONE SERVICES. SEE UTILITY AND SITE PLANS. PROVIDE APPROVED PULL BOXES AS REQUIRED, AND COORDINATE INSTALLATION W/ALL UTILITY COMPANIES FOR INTERFACING AT TERMINATION POINTS. PROVIDE FULL LENGTH PULL ROPES (TYP.).

**BURIED CONDUIT DETAIL**

SCALE: NOT TO SCALE

2  
E-1



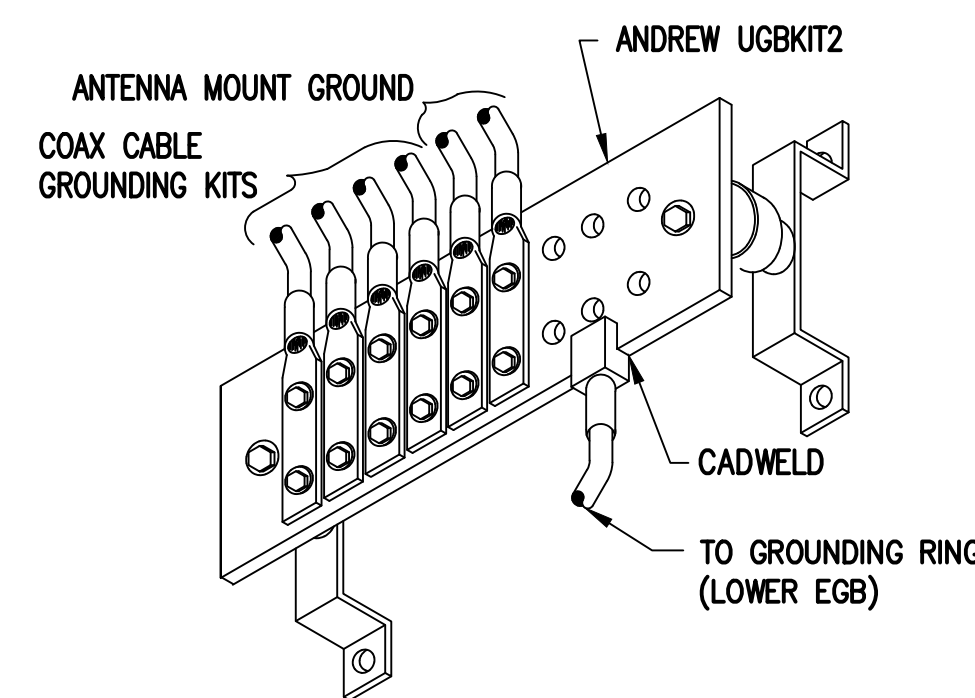
**TYPICAL CONDUIT STUB-UP DETAIL**

SCALE: NONE

3  
E-1

### ELECTRICAL AND GROUNDING NOTES

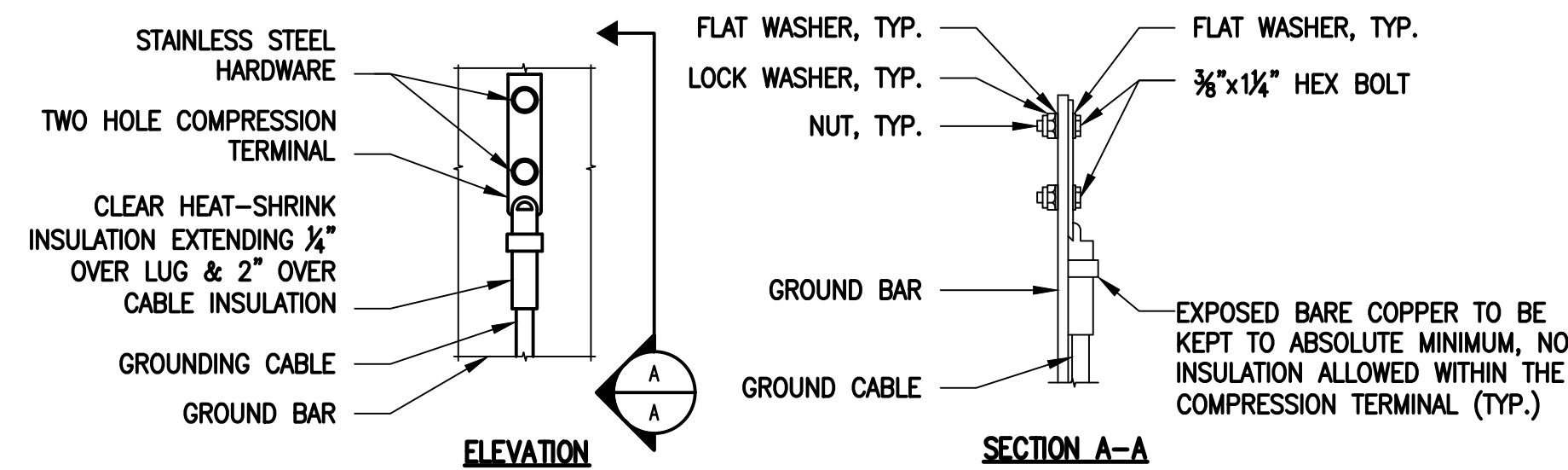
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- 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) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- BURIED CONDUIT SHALL BE SCHEDULE 40 PVC.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THININSULATION.
- RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON THIS DRAWING PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
- WHERE CONDUIT BETWEEN BTS AND PROJECT OWNER CELL SITE PPC AND BETWEEN BTS AND PROJECT OWNER CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE PVC CONDUIT.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- PPC SUPPLIED BY PROJECT OWNER.
- GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTNING PROTECTION SHALL BE DONE IN ACCORDANCE WITH "T-MOBILE BTS SITE GROUNDING STANDARDS".
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 6 FEET OF PROJECT OWNER EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXIST. TOWER/ MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.
- CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMS MINIMUM RESISTANCE REQUIRED.
- CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND LNA RETURN-LOSS AND DISTANCE- TO-FAULT MEASUREMENTS (SWEEP TESTS) AND RECORD RESULTS FOR PROJECT CLOSE-OUT.



**GROUND BAR (EGB)**

SCALE: NOT TO SCALE

4  
E-1



#### NOTES:

- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
- OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
- CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB AND MGB.

**TYPICAL GROUND BAR CONNECTIONS DETAIL**

SCALE: NOT TO SCALE

5  
E-1

# EXHIBIT 7

Generac RD025 25 KW  
25kw Diesel Specifications



**RD025 | 2.2L | 25 kW**

**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**Standby Power Rating**

25 kW, 31.25 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

 American 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.

## Standard Features

### ENGINE SYSTEM

- Cold Weather Kit
- Oil Drain Extension
- Heavy Duty Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil & Coolant
- Critical Exhaust Silencer

### GENERATOR SET

- Sound Attenuated Aluminum Enclosure
- 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

### 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%)

### 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

### Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter
- Stainless Steel Fuel Lines

### TANKS

- 24 Hour Run Time Tank
- UL142 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

### ENGINE SYSTEM

- Base Plug Kit

### GENERATOR SET

- Paint Kit
- Scheduled Maintenance Kit

### CONTROL SYSTEM

- Mobile Link™ and Adapter Kit

### TANKS

- Spill Box
- 90% Fuel Alarm
- Tank Risers
- Spill Box Drainback Kit
- Vent Extension Support Kit
- 5 Day Run Time Tank

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General

Make	Perkins
EPA Emission Compliance	Tier 4 Interim
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (L)	2.22 (135)
Bore - in (mm)	3.3 (84.0)
Stroke - in (mm)	3.9 (100.0)
Compression Ratio	23.3:1
Intake Air Method	Turbocharged/Aftercooled
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Block Type	Cast Iron

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Cartridge
Crankcase Capacity with Filters- qt (L)	11.2 (10.6)

Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed- rpm	1,980
Fan Diameter - in (mm)	18.0 (457.2)

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)	4.76/.19 (ID)
Fuel Filtering (microns)	25

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	Generac
Poles	4
Field Type	Rotating
Insulation Class - Rotor	H
Insulation Class - Stator	H
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%

# RD025 | 2.2L | 25 kW

## INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

### OPERATING DATA

#### POWER RATINGS

		Standby
Single-Phase 120/480 VAC @0.1pf	25 kW	Amps: 104
Three-Phase 120/208 VAC @0.8pf	25 kW	Amps: 87
Three-Phase 120/240 VAC @0.8pf	25 kW	Amps: 75
Three-Phase 277/480 VAC @0.8pf	25 kW	Amps: 37

#### MOTOR STARTING CAPABILITIES (sKVA)

##### sKVA vs. Voltage Dip at 30%

120/240 V, Single-Phase at 0.4pf	168
120/208 V, Three-Phase at 0.4pf	144
120/240 V, Three-Phase at 0.4pf	125
120/240 V, Three-Phase at 0.4pf	64

#### FUEL CONSUMPTION RATES\*

Percent Load	Diesel gal/hr (L/hr)
25%	0.97 (3.67)
50%	1.37 (5.19)
75%	1.97 (7.46)
100%	2.77 (10.49)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load.

#### COOLING

		Standby
Air Flow (Radiator and Alternator)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	2800 (79)
Coolant System Capacity	gal (L)	2.5 (9.5)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	128,638 (135.7)
Max. Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199270SSD	
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)	88 (2.5)

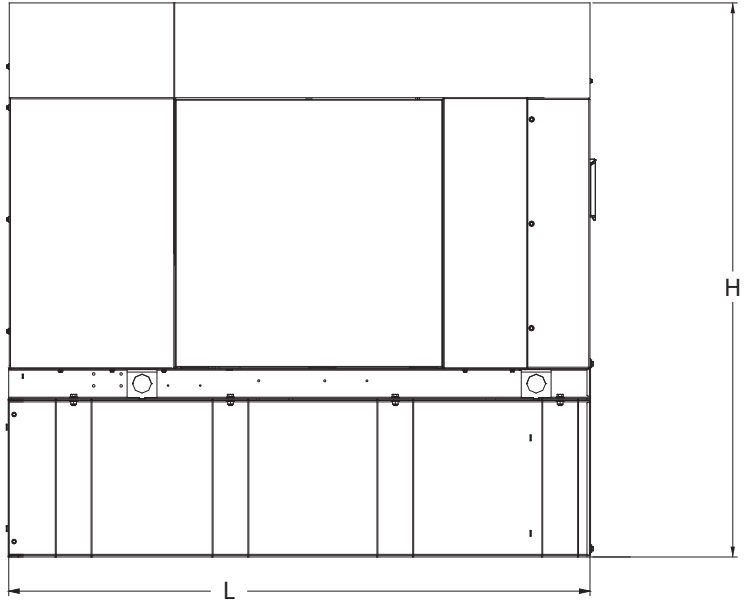
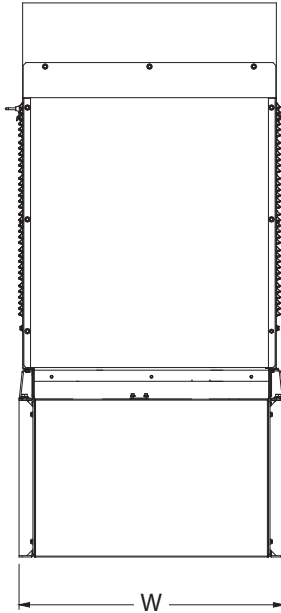
#### ENGINE

#### EXHAUST

ENGINE			EXHAUST		
		Standby			Standby
Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	296.6 (8.4)
			Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	930 (499)

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\***



**Weights and Dimensions**

Unit Weight - lbs	Unit Weight with Skid - lbs	Dimensions (L x W x H) in
2,811	2,849	84.2 x 35.0 x 91.7

**25kW Fuel Consumption**

Fuel Tank Gross Total Capacity	240
Fuel Tank Gross Usable Capacity	229
Fuel Tank Net Usable Capacity (Run Hours Based on Net Usable Capacity)	206
Run Hours 100% Load	98
Run Hours 75% Load	125
Run Hours 50% Load	161

**with fuel tank  
103.4" 35" x 91.7"**

**Sound Emission Data**

Rated Load Sound Output at 23ft - dB(A)	65
---	----

\* All measurements are approximate and for estimation purposes only. Drawing is for illustration purposes only, not to scale.

<b>YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER</b>

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 8

Map showing nearest wetlands



# National Wetlands Inventory

surface waters and wetlands

ABOUT

GET DATA

PRINT

FIND LOCATION

BASEMAPS >

MAP LAYERS >

- Wetlands 1 2
- Riparian 1 2
- Riparian Mapping Areas 1 2
- Data Source 1 2
  - Source Type
  - Image Scale
  - Image Year
- Areas of Interest 2
- FWS Managed Lands 1 2
- Historic Wetland Data 1 2

Measure

Feet

---

Measurement Result

226.7 Feet



1:2,257  
41.894 | -72.897

Esri, HERE, Garmin, IPC | State of Connecticut, State of Connecticut, Maxar, Microsoft | U.S. Fish and Wil...

