

10 INDUSTRIAL AVE,  
SUITE 3  
MAHWAH NJ 07430  
PHONE: 201.684.0055  
FAX: 201.684.0066



July 31, 2021

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

RE: Notice of Exempt Modification  
600 Old Hartford Road, Colchester, CT 06415  
Latitude: 41.58670000  
Longitude: -72.2782611200  
T-Mobile Site#: CTNL250A - Hardening

Dear Ms. Bachman:

T-Mobile currently maintains six (6) antennas at the 150-foot level of the existing 180-foot guyed tower at 600 Old Hartford Road, Colchester, CT. The 180-foot guyed tower is owned and operated by Cordless Data Transfer. The property is owned by AT&T Mobility. T-Mobile now intends to add a 25Kw generator to a proposed 10'x4' concrete pad within the existing compound.

**Planned Modifications:**

**Ground:**

Install New:

- (1) Generac RD025 25 Kw AC Diesel Generator - 240 gallon double walled self-contained tank with fuel sensor. Requires (2) 12-minute run cycles by-weekly.
- (1) 10' x 4' Concrete Pad

This facility was approved by the Town of Colchester via zoning and building permit. This documentation is enclosed with the filing. The proposed modification complies with the original approval. T-Mobile was approved for tower-sharing by the Connecticut Siting Council on September 14, 2017.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-SOj-73, a copy of this letter is being sent to First Selectman Mary Bylone, Elected Official, and Matthew Bordeaux, Town Planner, as well as the tower and property owner.

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

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

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

Sincerely,

**Eric Breun**

Transcend Wireless

Cell: 201-658-7728

Email: [ebreun@transcendwireless.com](mailto:ebreun@transcendwireless.com)

Attachments

cc: Mary Bylone - First Selectman of Colchester

Matthew Bordeaux - Town Planner

Cordless Data Transfer - Tower Owner

AT&T Mobility - Property Owner

ERIC BREUN  
2016587728  
10 INDUSTRIAL AVE  
MAHWAH NJ 07430

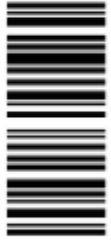
1 LBS

1 OF 1

**SHIP TO:**  
FIRST SELECTMAN  
MARY BYLONE  
127 NORWICH AVENUE  
COLCHESTER CT 06415

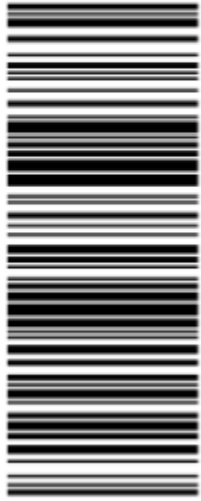


**CT 063 0-01**



**UPS GROUND**

TRACKING #: 1Z V25 742 03 9391 9541



BILLING: P/P

Reference #1: CTNL250A

XOL 21.07.05 NV45 30.0A 07/2021\*



TM

ERIC BREUN  
2016587728  
10 INDUSTRIAL AVE  
MAHWAH NJ 07430

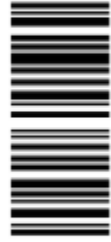
1 LBS

1 OF 1

**SHIP TO:**  
TOWN PLANNER  
MATTHEW BORDEAUX  
127 NORWICH AVENUE  
COLCHESTER CT 06415

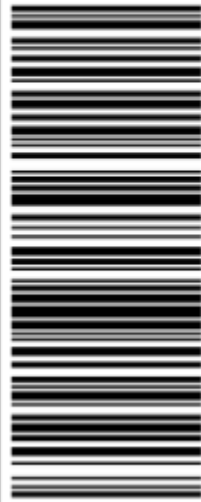


**CT 063 0-01**



**UPS GROUND**

TRACKING #: 1Z V25 742 03 9174 1558



BILLING: P/P

Reference #1: CTNL250A

XOL 21.07.05 NV45 30.0A 07/2021\*



TM

ERIC BREUN  
2016587728  
10 INDUSTRIAL AVE  
MAHWAH NJ 07430

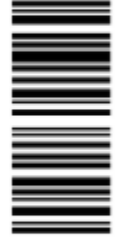
1 LBS

1 OF 1

**SHIP TO:**  
CORDLESS DATA TRANSFER  
600 OLD HARTFORD ROAD  
COLCHESTER CT 06415

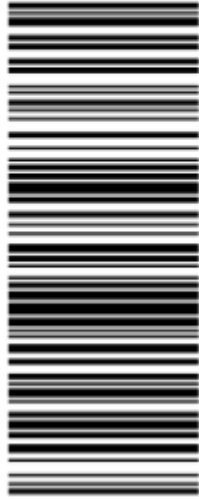


**CT 063 0-01**



**UPS GROUND**

TRACKING #: 1Z V25 742 03 9039 7576



BILLING: P/P

Reference #1: CTNL250A

XOL 21.07.05 NV45 30.0A 07/2021\*



TM

ERIC BREUN  
2016587728  
10 INDUSTRIAL AVE  
MAHWAH NJ 07430

1 LBS

1 OF 1

**SHIP TO:**  
AT&T MOBILITY LLC  
909 CHESTNUT STREET  
ST. LOUIS MO 63101



**MO 631 9-02**



**UPS GROUND**

TRACKING #: 1Z V25 742 03 9336 7567



BILLING: P/P

Reference #1: CTNL250A

XOL 21.07.05 NV45 30.0A 07/2021\*



TM



Hello, your package has been delivered.

Delivery Date: Thursday, 07/29/2021

Delivery Time: 11:14 AM

Left At: OTHER-RELEAS

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[Set Delivery Instructions](#)

[Manage Preferences](#)

[View My Packages](#)

## TRANSCEND WIRELESS

Tracking Number:	<a href="#">1ZV257420390397576</a>
Ship To:	CORDLESS DATA TRANSFER 600 OLD HARTFORD ROAD COLCHESTER, CT 06415 US
Number of Packages:	1
UPS Service:	UPS Ground



**Hello, your package has been delivered.**

**Delivery Date:** Thursday, 07/29/2021

**Delivery Time:** 12:44 PM

**Left At:** OFFICE

**Signed by:** CAVANAUGH

## **TRANSCEND WIRELESS**

**Tracking Number:** [1ZV257420391741558](#)

**Ship To:** MATTHEW BORDEAUX  
127 NORWICH AVENUE  
COLCHESTER, CT 06415  
US

**Number of Packages:** 1

**UPS Service:** UPS Ground

**Package Weight:** 1.0 LBS

**Reference Number:** CTNL250A



**Hello, your package has been delivered.**

**Delivery Date:** Thursday, 07/29/2021

**Delivery Time:** 12:45 PM

**Left At:** RECEIVER

**Signed by:** PARHAM

## **TRANSCEND WIRELESS**

<b>Tracking Number:</b>	<a href="#"><u>1ZV257420393919541</u></a>
<b>Ship To:</b>	MARY BYLONE 127 NORWICH AVENUE COLCHESTER, CT 06415 US
<b>Number of Packages:</b>	1
<b>UPS Service:</b>	UPS Ground
<b>Package Weight:</b>	1.0 LBS
<b>Reference Number:</b>	CTNL250A



**Hello, your package has been delivered.**

**Delivery Date:** Monday, 08/02/2021

**Delivery Time:** 9:23 AM

**Left At:** MAIL ROOM

**Signed by:** SPRATTLING

## TRANSCEND WIRELESS

**Tracking Number:** [1ZV257420393367567](#)

**Ship To:**

AT&T MOBILITY LLC  
909 CHESTNUT STREET  
ST. LOUIS, MO 63101  
US

**Number of Packages:** 1

**UPS Service:** UPS Ground

**Package Weight:** 1.0 LBS

**Reference Number:** [CTNL250A](#)

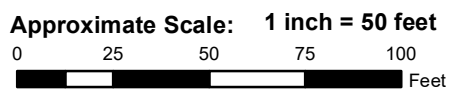
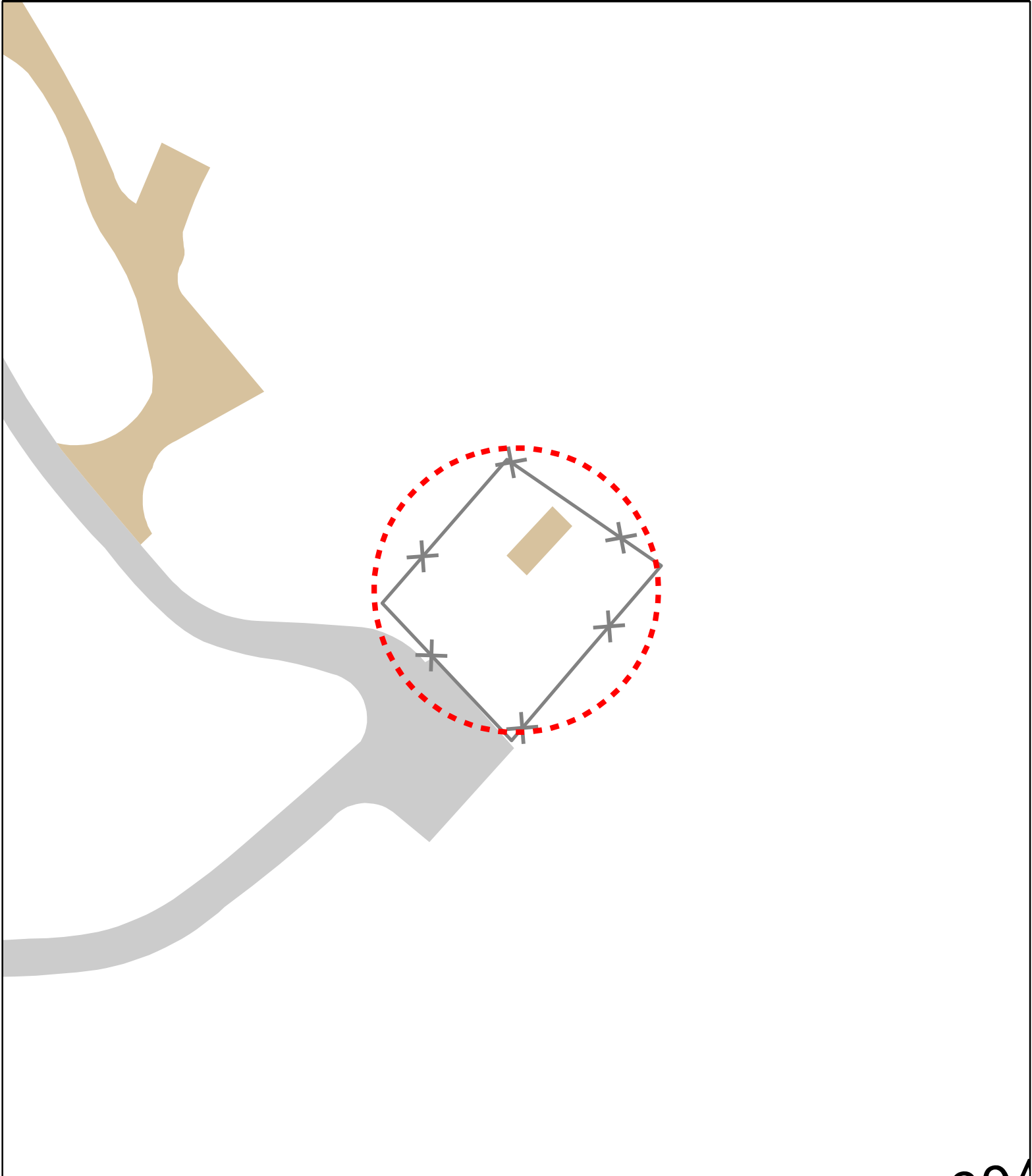




# Town of Colchester, Connecticut - Assessment Parcel Map

Parcel: 06-10-051-000-TWR

Address: 600 OLD HARTFORD RD



**Map Produced: April 2021 / Grand List: 2020**

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Colchester and its mapping contractors assume no legal responsibility for the information contained herein.



# Town of Colchester, CT

## Property Report

Map Block Lot

06-10/051-000/TWR

PID 105116

Building # 1

Section # 1

Account

11AT0006

### Property Information

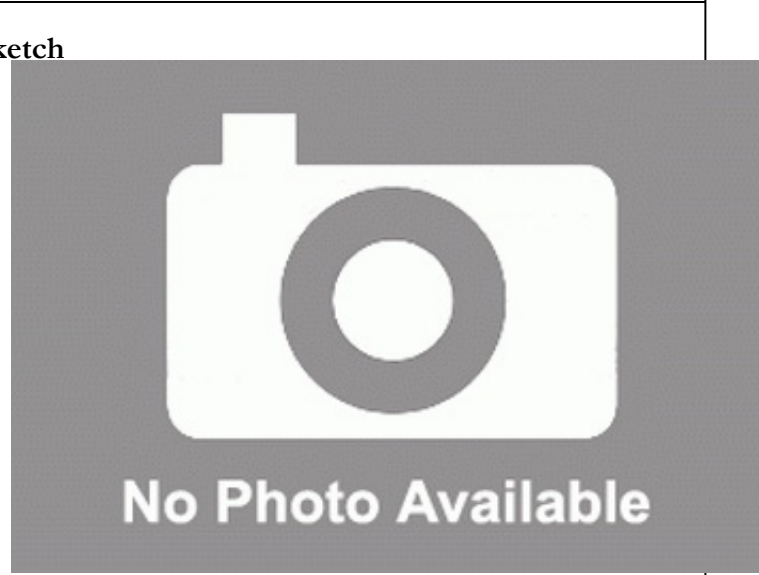
Property Location	600 OLD HARTFORD RD
Owner	AT&T MOBILITY
Co-Owner	ATTN PROPERTY TAX DEPT
Mailing Address	1010 PINE, 9E-L-01 ST LOUIS MO 63101
Land Use	4310 Tel Rel Tw
Land Class	I
Zoning Code	
Census Tract	

Neighborhood	
Acreage	0
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Additional Info	

Ph



Sketch



### Primary Construction Details

Year Built	0
Stories	
Building Style	UNKNOWN
Building Use	Vacant
Building Condition	
Interior Floors 1	
Interior Floors 2	NA
Total Rooms	0
Basement Garages	
Occupancy	
Building Grade	

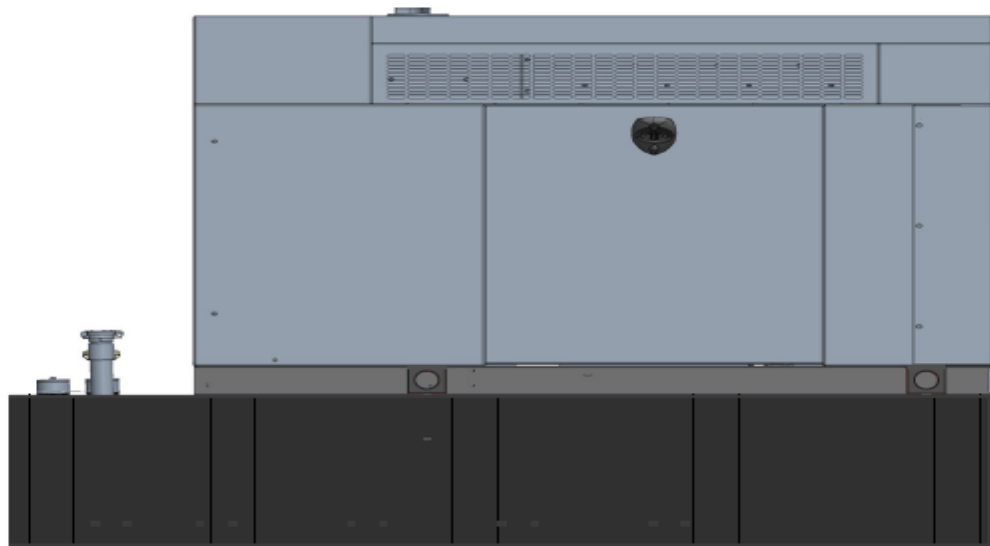
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	
AC Type	
Fireplaces	0

Exterior Walls	
Exterior Walls 2	NA
Interior Walls	
Interior Walls 2	NA
Heating Type	
Heating Fuel	
Sq. Ft. Basement	
Fin BSMT Quality	
Extra Kitchens	



# Generac RD025 Design Document

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



The following are responsible for this project document:

Kevin Smith

SR. Engineer (770) 256-3594

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

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# 1 Introduction / Project Summary

## 1.1 Purpose of Project

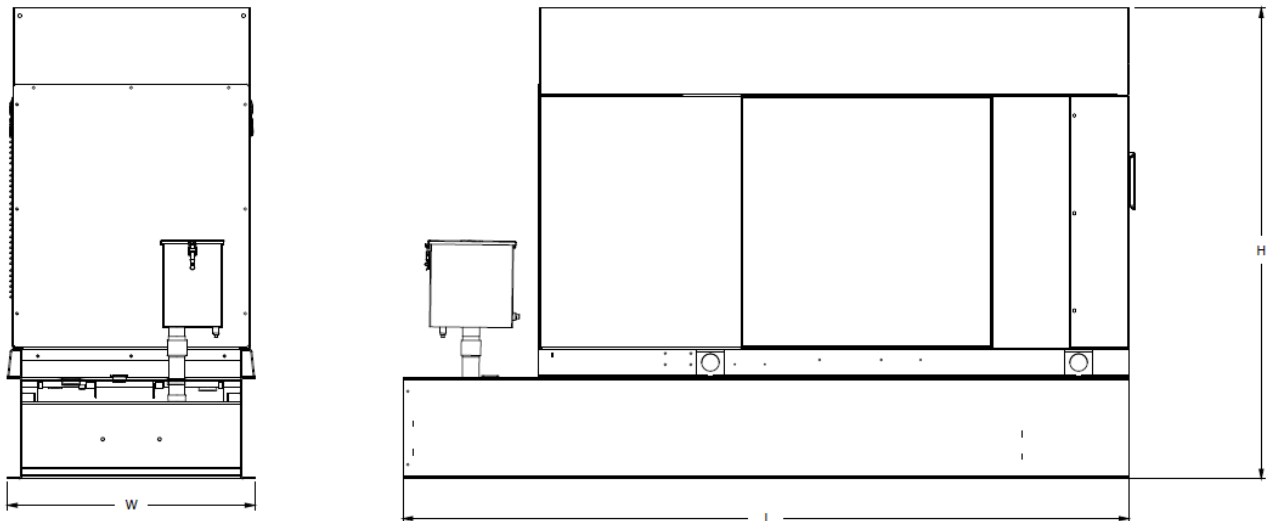
T-Mobile’s nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer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

## 1.2 Feature Description

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

## 1.3 Dimensions

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

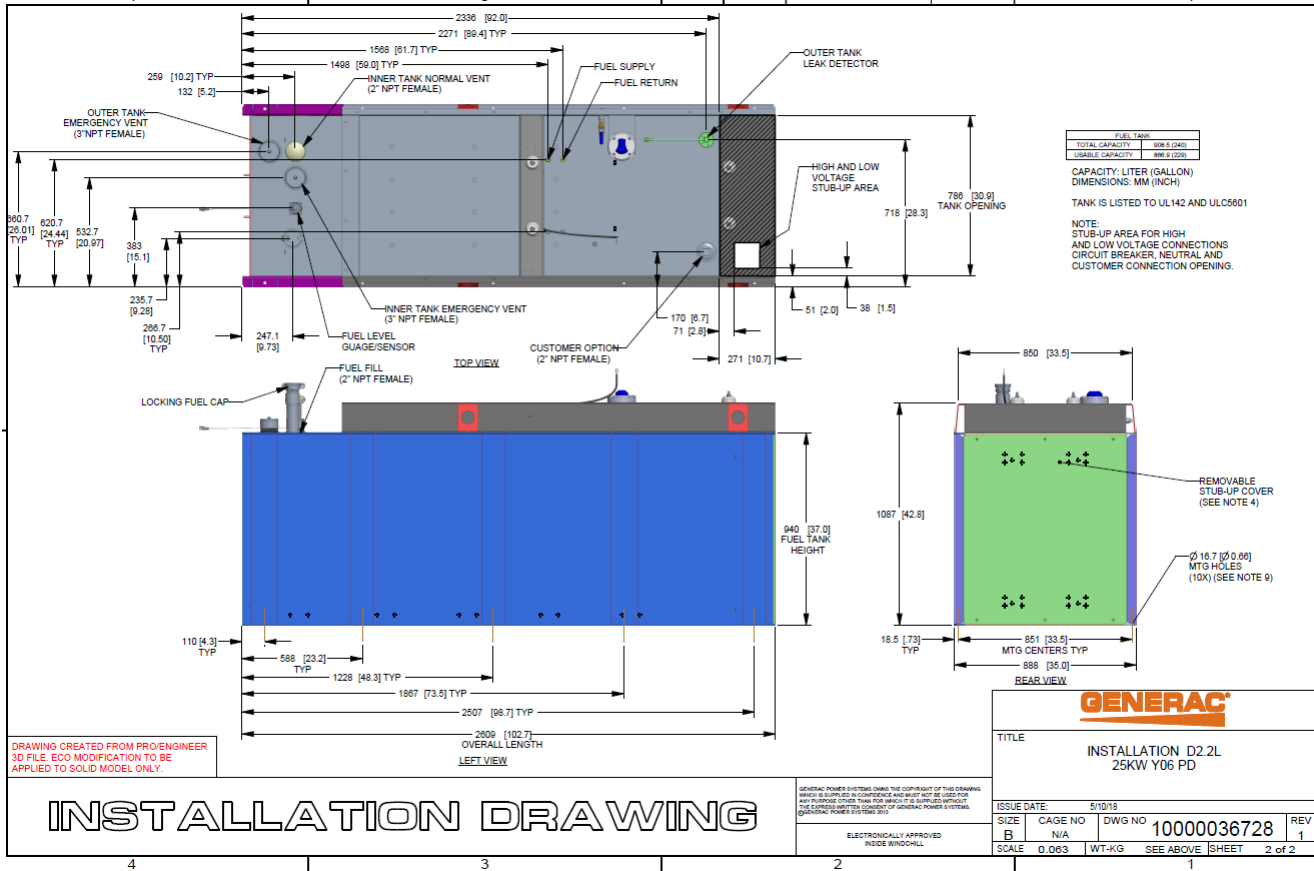


Weights and Dimensions

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

## 2 Fuel Tanks

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



## 3 RXSC200A3 ATS/ Controller

### 3.1 Hardware

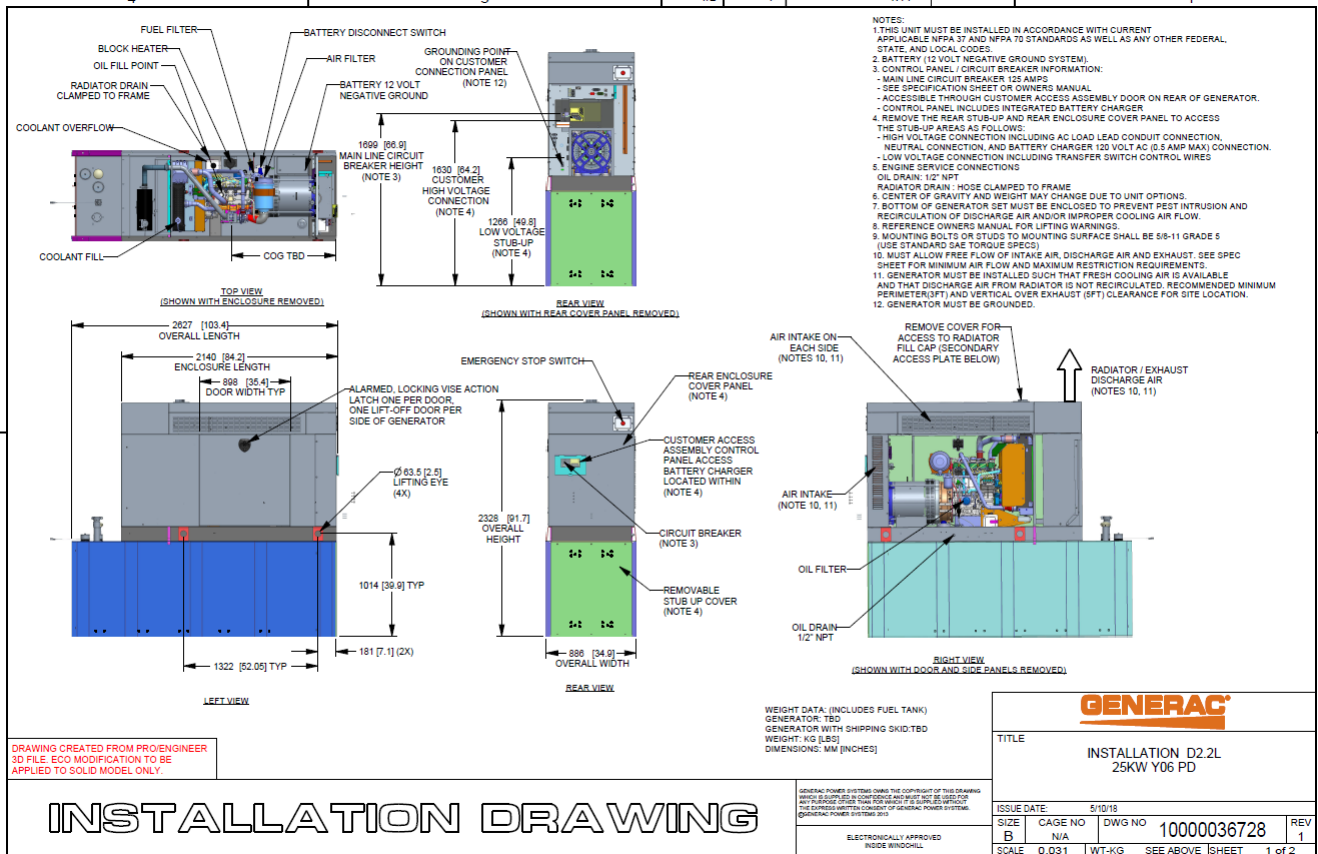
The RD025 will come with a RXSC200A3 and an Evollution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

RXSC200A3 [Link](#)

RXSC200A3 install drawing [Link](#)

Evolution controller spec sheet [Link](#)

RD025 installation drawings and supporting documentation [Link](#)



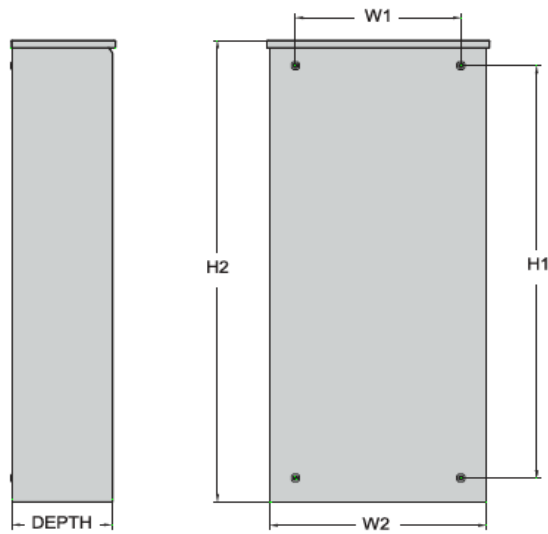
### 3.2 RXSC200A3 Automatic Transfer Switch

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



**RXSC200A3 Dimensions**

Model		RXSC200A3
Height (in./mm)	H1	17.24/437.9
	H2	20/508
Width (in./mm)	W1	12.5/317.5
	W2	14.6/370.8
Depth (in./mm)		7.09/180.1
Weight (lbs./kilos)		20/9.07



## 4 Architecture/Alarms

### 4.1 Interfaces and Alarming

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

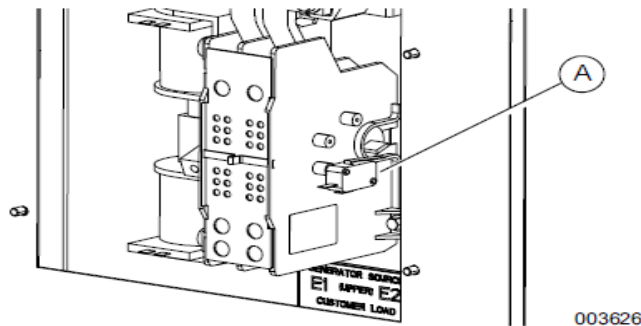
At a Nokia site, this connection is at the FSEB or an FSEE module. For the wiring diagram and instructions for the FSEB click the [Link](#) (The FSEE is the Nokia module that will be replacing the FSEB. For details on the FSEE contact: HQNokiaCellsiteDesigns@T-Mobile.com)

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

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

#### Auxiliary Contact

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



**Figure 3-4. Auxiliary Contact**

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

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

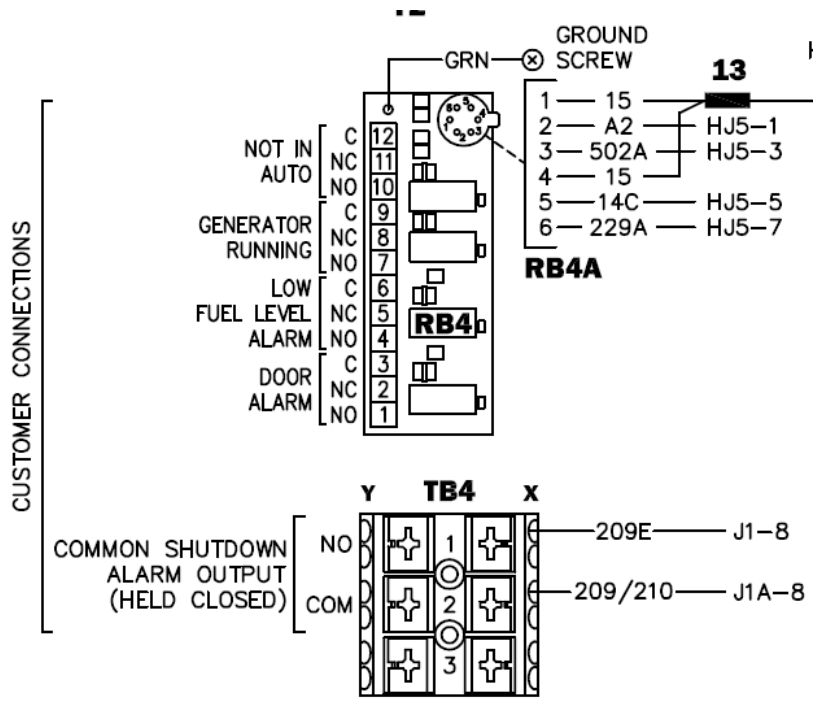
**CAUTION**

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

(000134a)

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

Customer Connections Inside the RD025



Ericsson UTOVP- ALM8EXP



UTOVP-ALM8EXP	OVP Expansion Kit for 8 External Alarms	Qty
<b>Product no</b>	<b>Denomination</b>	
UTOVP-ALM8EXP	OVP Expansion Kit for 8 External Alarms	1
NFD30234/08	OVERVOLTAGE ARRESTER/OVP-ALM 8	1
RPM777143/01200	CABLE WITH CONNECTOR/SIGNAL CABLE	2

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

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

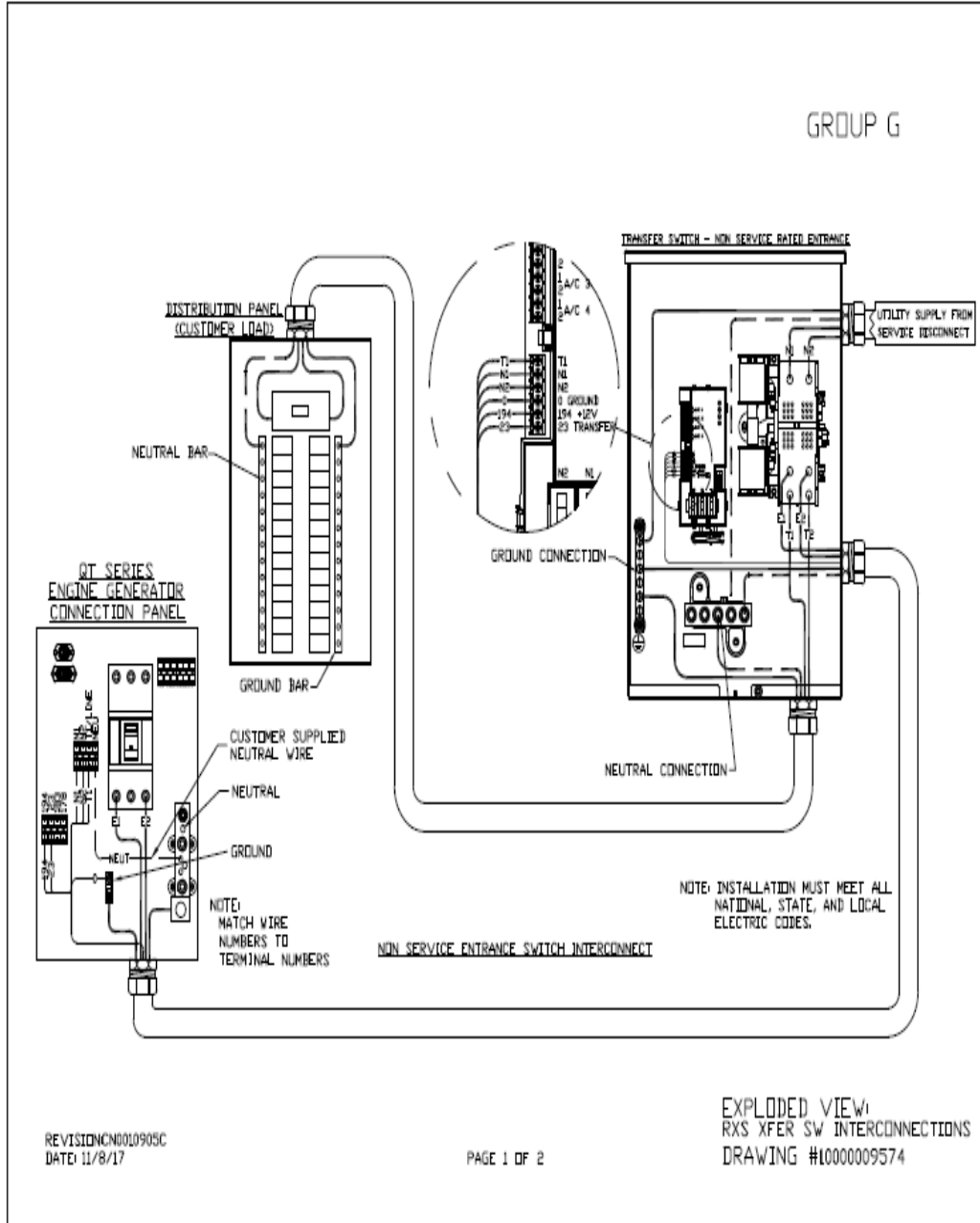
## 5 Regulatory Requirements

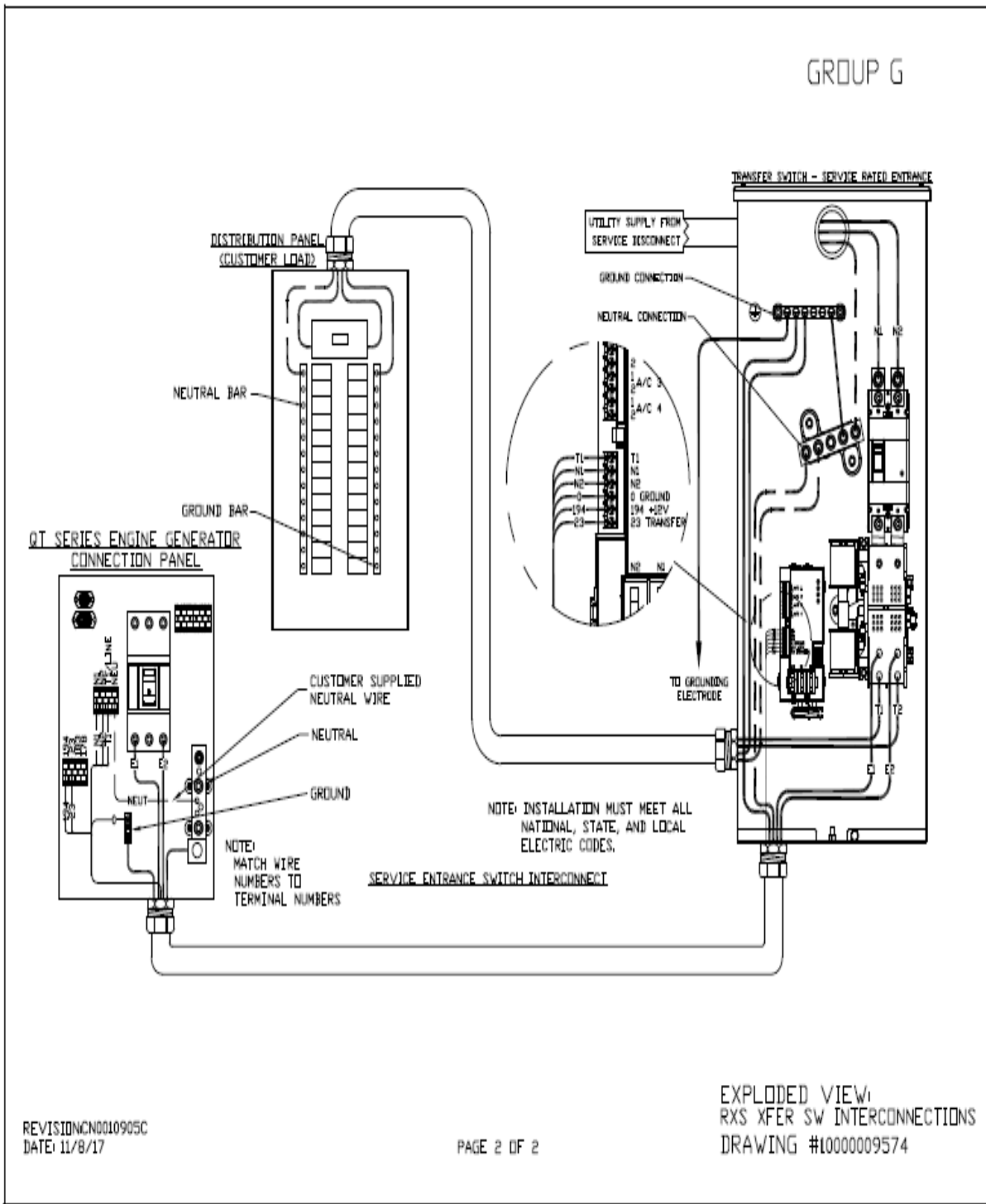
Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

## 6 Configuration/Diagrams

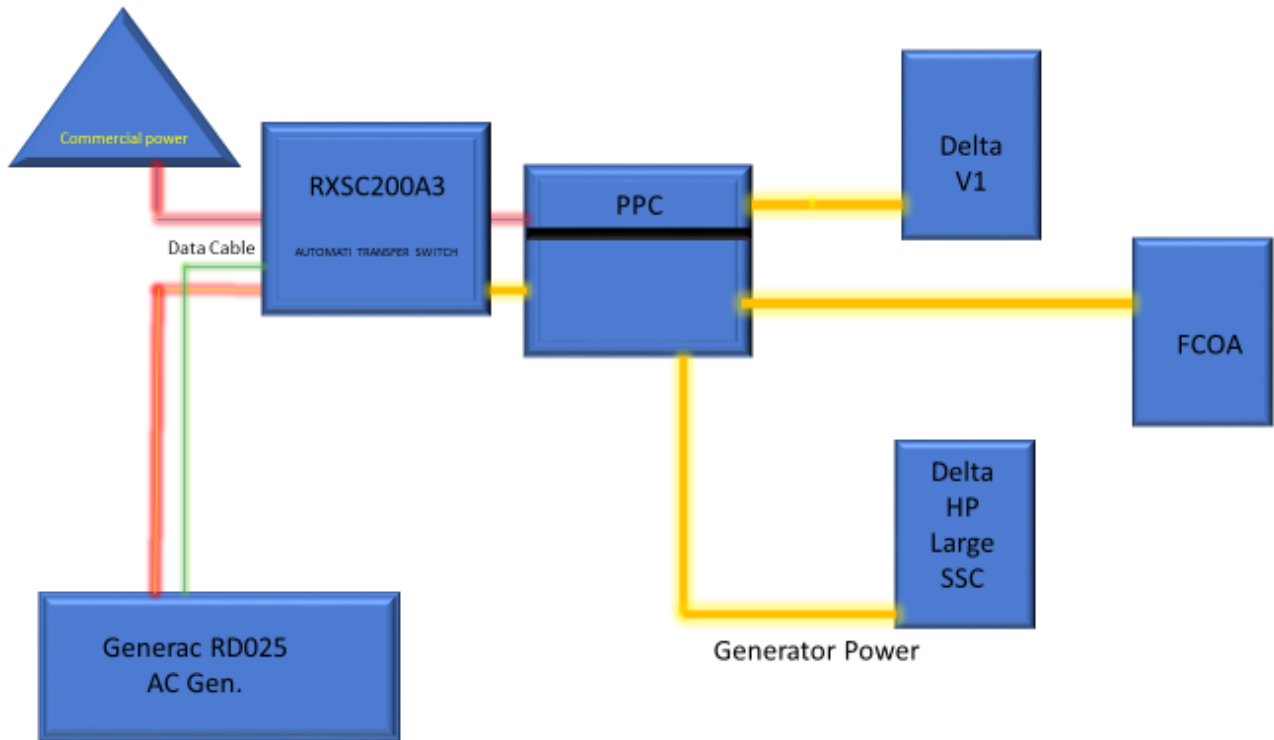
The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.

Commercial Power Connection Points  
On The RXSC200A3





### Compound Diagram:





## 7 Maintenance

---

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

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

- Check engine mounts and support. Tighten fasteners.
- Check all the engine hoses and clamps for proper fit, and any signs of cracking and fatigue from wear.
- Inspect all belts for signs of cracking and fatigue from wear and adjust for proper tension.
- Inspect the exhaust system for leaks, burns and wet stacking. Drain exhaust line and tighten any clamps and flange bolts.
- Inspect silencer and plumbing for leaks, cracks or any other signs of wear.
- Inspect the system for fuel, oil and coolant leaks and signs of corrosion.
- Replace water separator.
- Replace water filter/ conditioner.
- Check Anti-Freeze (Spector-Analysis).
- Check coolant level and add, if needed.
- Inspect radiator mounting for signs or wear and cracking.
- Inspect/ clean air filter and change per manufacturer specifications.
- Inspect air intakes and outlets and tighten clamps and brackets, if applicable.
- Replace fuel filter.
- Inspect the carburetor fuel injection system, fuel injection pump and choke, if equipped. Adjust to manufacturers specifications.
- Change engine oil, oil filter and record the date on the filter casing.
- Check engine heater operation, if equipped.
- Check and adjust the battery charger operations, and charge rate within the manufacturer's recommended operating specifications.

- Inspect the battery housing, hardware connections, and cables for corrosion and wear.
- Check the battery electrolyte levels and specific gravity levels.
- Load test generator battery.
- Check, adjust and record generator output voltage, as necessary.
- Check and record the alternator charge rate.
- During inspection run the generator for 30 minutes under load. During this time, and after the engine is at full operational speed and has reached engine operating temperature; determine and record the condition of all inspection points: oil pressure, water/ coolant temperature, Fuel pressure, generator gauge, indicator operations, generator battery.
- Check the engine timing and adjust to manufacturers specifications, if necessary.
- Inspect, adjust and record governor and frequency, if necessary.
- Verify that the low fuel alarm is operational and configured correctly to trigger when the fuel tank reaches 50% of fuel tank capacity.

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



# T-Mobile

SITE NAME: CTNL250A

SITE ID: CTNL250A

600 OLD HARTFORD RD  
COLCHESTER, CT 06415

## GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES," 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE AND LOCAL CODES.
- CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
- CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL, AND HVAC. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
- CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
- LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNINGS, ETC. THAT MAY BE NECESSARY.
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
- ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- ANY AND ALL ERRORS, DISCREPANCIES, AND 'MISSED' ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE T-MOBILE CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO 'EXTRA' WILL BE ALLOWED FOR MISSED ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
- CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
- COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUITS AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONTACT 'CALL BEFORE YOU DIG' AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.
- CONTRACTOR SHALL COMPLY WITH THE OWNER'S ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.

## SITE DIRECTIONS

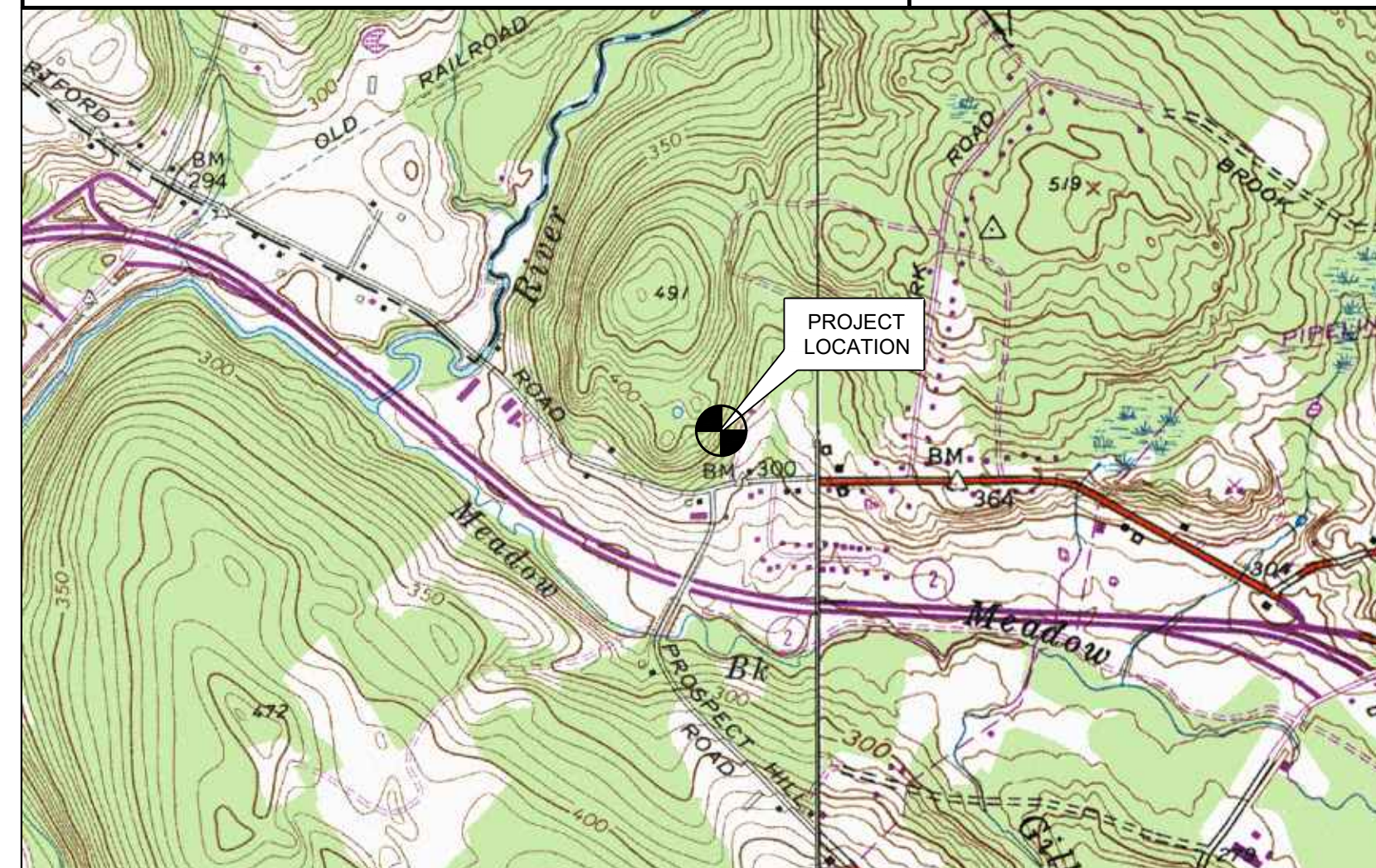
**FROM:** 35 GRIFFIN ROAD SOUTH  
BLOOMFIELD, CT 06002

**TO:** 600 OLD HARTFORD ROAD  
COLCHESTER, CT 06415

- HEAD NORTH ON GRIFFIN ROAD S. TOWARD HARTMAN RD. 0.30 MI.
- TAKE THE 2ND RIGHT ONTO DAY HILL RD. 0.14 MI.
- TAKE THE 1ST RIGHT ONTO BLUE HILLS AVENUE EXT/CT-187 1.88 MI.
- TURN LEFT ONTO CT-305/OLD WINDSOR RD. 2.33 MI.
- STAY STRAIGHT TO GO ONTO BLOOMFIELD AVE/CT-305. 0.01 MI.
- MERGE ONTO I-91 S TOWARD HARTFORD 6.04 MI.
- MERGE ONTO I-84 E/US-6 E via EXIT 30 ON THE LEFT TOWARD NEW LONDON/NORWICH 0.61 MI.
- TAKE THE CT-149 EXIT, EXIT 16 TOWARD WESTCHESTER/MOODUS 0.23 MI.
- TURN LEFT ONTO WESTCHESTER RD/CT-149 0.26 MI.
- TURN RIGHT ONTO OLD HARTFORD RD. 0.88 MI.
- 600 OLD HARTFORD RD, COLCHESTER, CT 06415-2417, 600 OLD HARTFORD RD IS ON THE LEFT

**SITE COORDINATES:** LATITUDE: 41°-35'-12.30" N  
LONGITUDE: 72°-22'-41.20" W  
GROUND ELEVATION: 385± AMSL

**COORDINATES AND GROUND ELEVATION ARE REFERENCED FROM GOOGLE EARTH**



VICINITY MAP



## PROJECT SUMMARY

- THE PROPOSED SCOPE OF WORK CONSISTS OF A MODIFICATION TO THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING THE FOLLOWING:
  - INSTALL (1) NEW 25 KW DIESEL FUELED BACK-UP GENERATOR ON A PROPOSED 10' x 4' CONCRETE PAD WITHIN THE EXISTING COMPOUND
  - INSTALL (1) 200A AUTOMATIC TRANSFER SWITCH ON A PROPOSED UTILITY FRAME
  - REMOVE EXISTING PROPANE GENERATOR AND TANK

## PROJECT INFORMATION

**SITE NAME:** CTNL250A

**SITE ID:** CTNL250A

**SITE ADDRESS:** 600 OLD HARTFORD ROAD  
COLCHESTER, CT 06415

**APPLICANT:** T-MOBILE NORTHEAST, LLC  
35 GRIFFIN ROAD SOUTH  
BLOOMFIELD, CT 06002

**CONTACT PERSON:** DAN REID (PROJECT MANAGER)  
TRANSCEND WIRELESS, LLC  
(203) 592-8291

**ENGINEER OF RECORD:** CENTEK ENGINEERING, INC.  
63-2 NORTH BRANFORD RD.  
BRANFORD, CT 06405

CARLO F. CENTORE, PE  
(203) 488-0580 EXT. 122

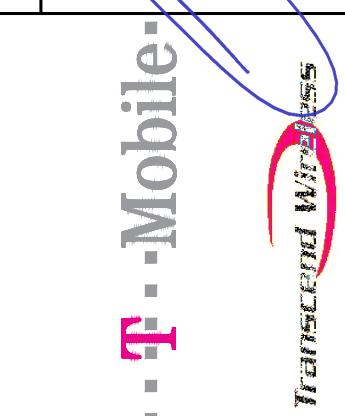
**PROJECT COORDINATES:** LATITUDE: 41°-35'-12.30" N  
LONGITUDE: 72°-22'-41.20" W  
GROUND ELEVATION: 385± AMSL

SITE COORDINATES AND GROUND ELEVATION REFERENCED FROM GOOGLE EARTH.

## SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
N-1	GENERAL NOTES AND SPECIFICATIONS	0
C-1	COMPOUND PLAN AND EQUIPMENT PLAN	0
C-2	TYPICAL EQUIPMENT DETAILS	0
E-1	TYPICAL ELECTRICAL DETAILS	0
E-2	ELECTRICAL SPECIFICATIONS	0

PROFESSIONAL ENGINEER SEAL



**T-Mobile**  
T-Mobile Northeast LLC  
35 Griffin Road South  
Bloomfield, CT 06002  
(203) 488-0580  
(203) 488-8587 Fax  
63-2 North Branford Road  
Branford, CT 06405  
www.CentekEng.com

T-MOBILE NORTHEAST LLC

CTNL250A

SITE ID: CTNL250A  
600 OLD HARTFORD RD  
COLCHESTER, CT 06415

DATE: 06/11/21  
SCALE: AS NOTED  
JOB NO. 21003.14

TITLE SHEET

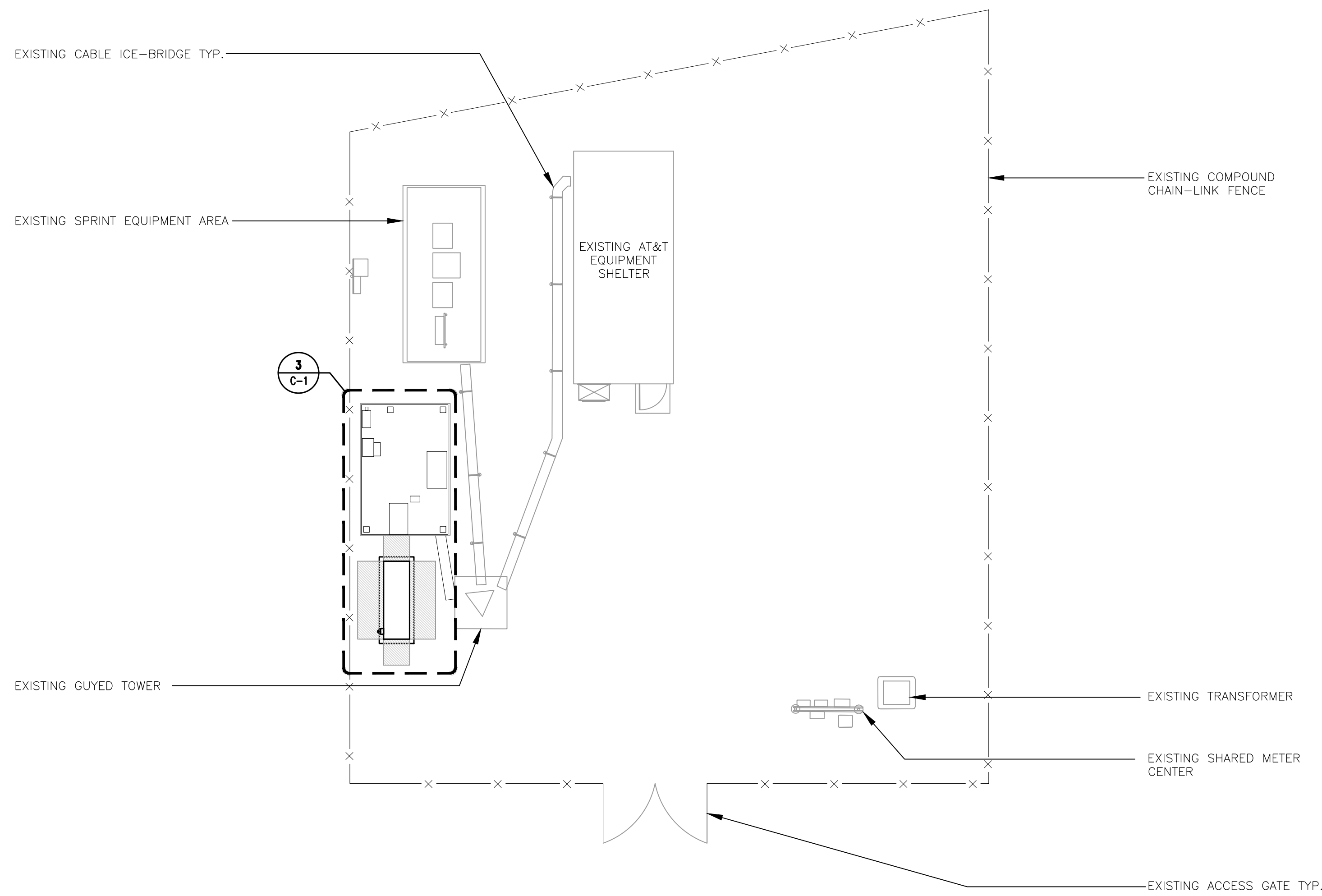
T-1

Sheet No. 1 of 6

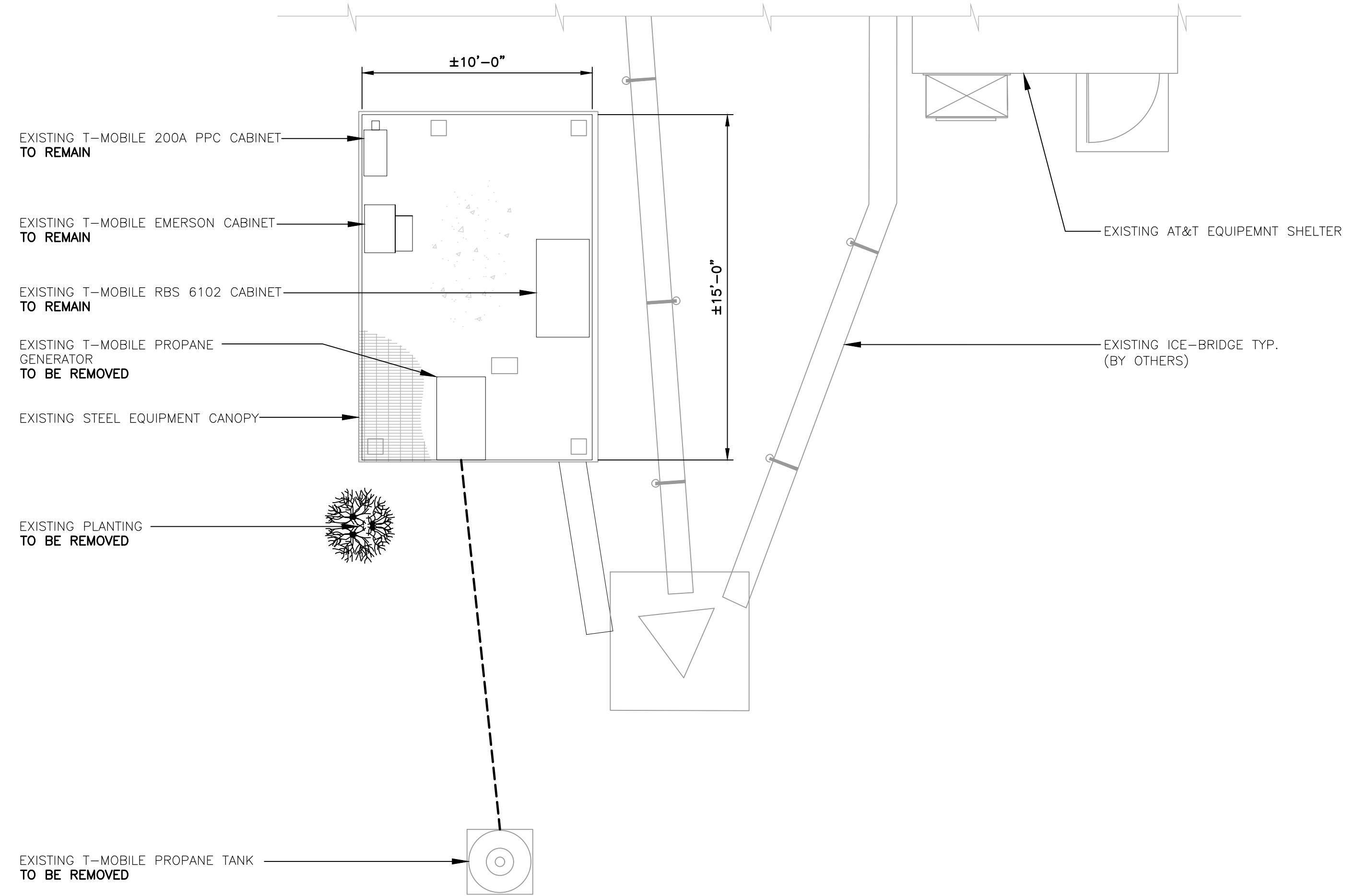
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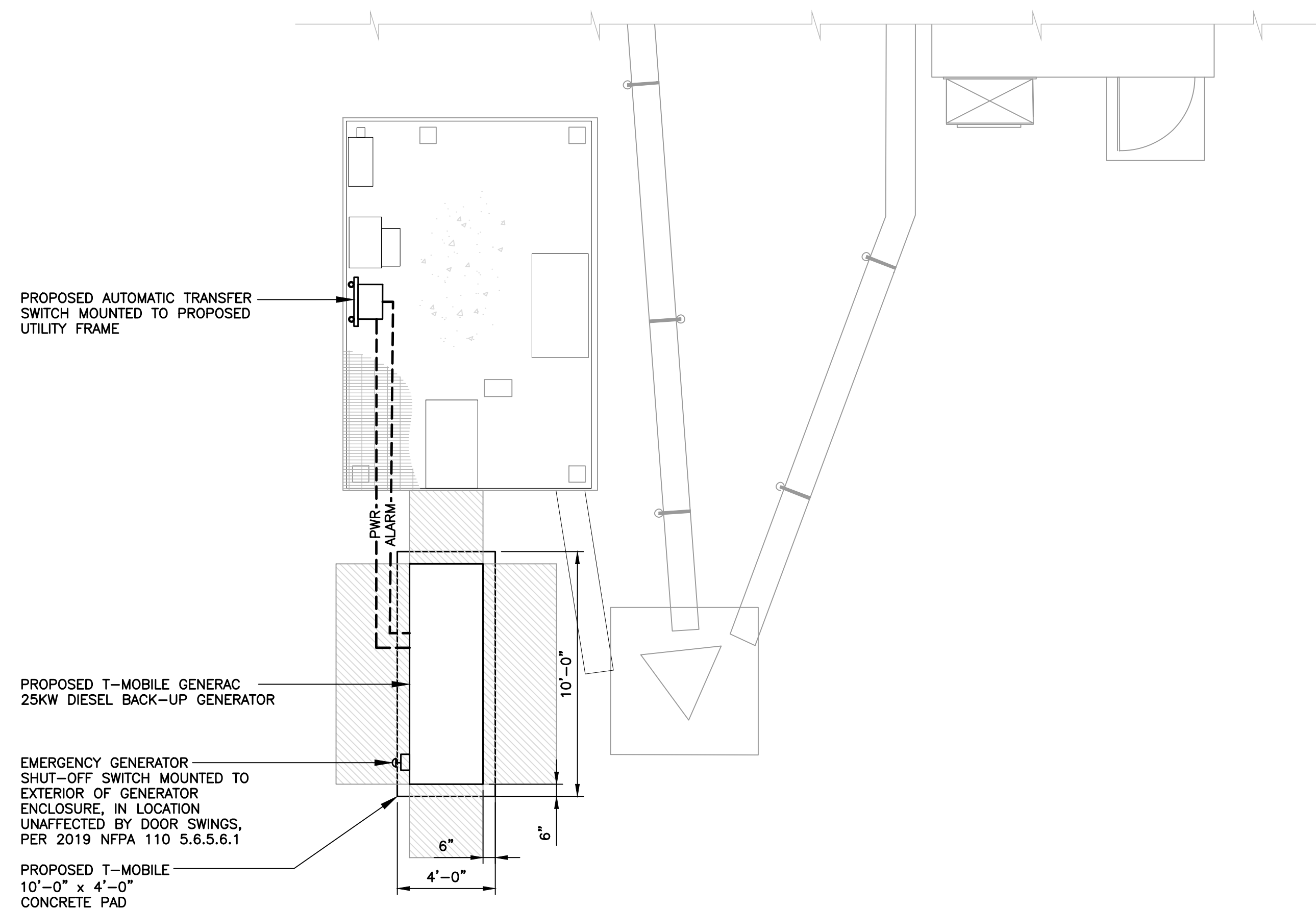




**1**  
C-1  
**PROPOSED COMPOUND PLAN**  
SCALE: 1" = 10'-0"



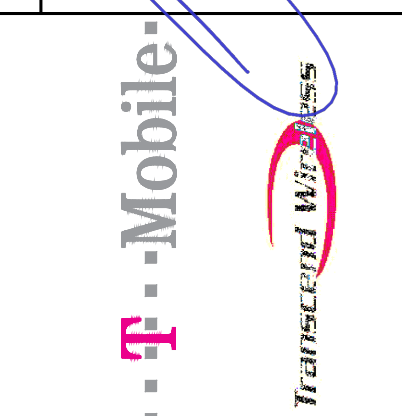
**2**  
C-1  
**EQUIPMENT PLAN - EXISTING**  
SCALE: 1/4" = 1'



**3**  
C-1  
**EQUIPMENT PLAN - PROPOSED**  
SCALE: 1/4" = 1'



REV.	DATE	BY	CHK'D BY	DESCRIPTION
0	06/25/21	RTS	TJR	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION



**CENTER** engineering  
Centered on Solutions

(203) 488-0580  
(203) 488-8587 Fax  
63-2 North Branford Road  
Branford, CT 06405  
www.CenterEng.com

**T-MOBILE NORTHEAST LLC**  
CTNL250A  
SITE ID: CTNL250A  
600 OLD HARTFORD RD  
COLCHESTER, CT 06415

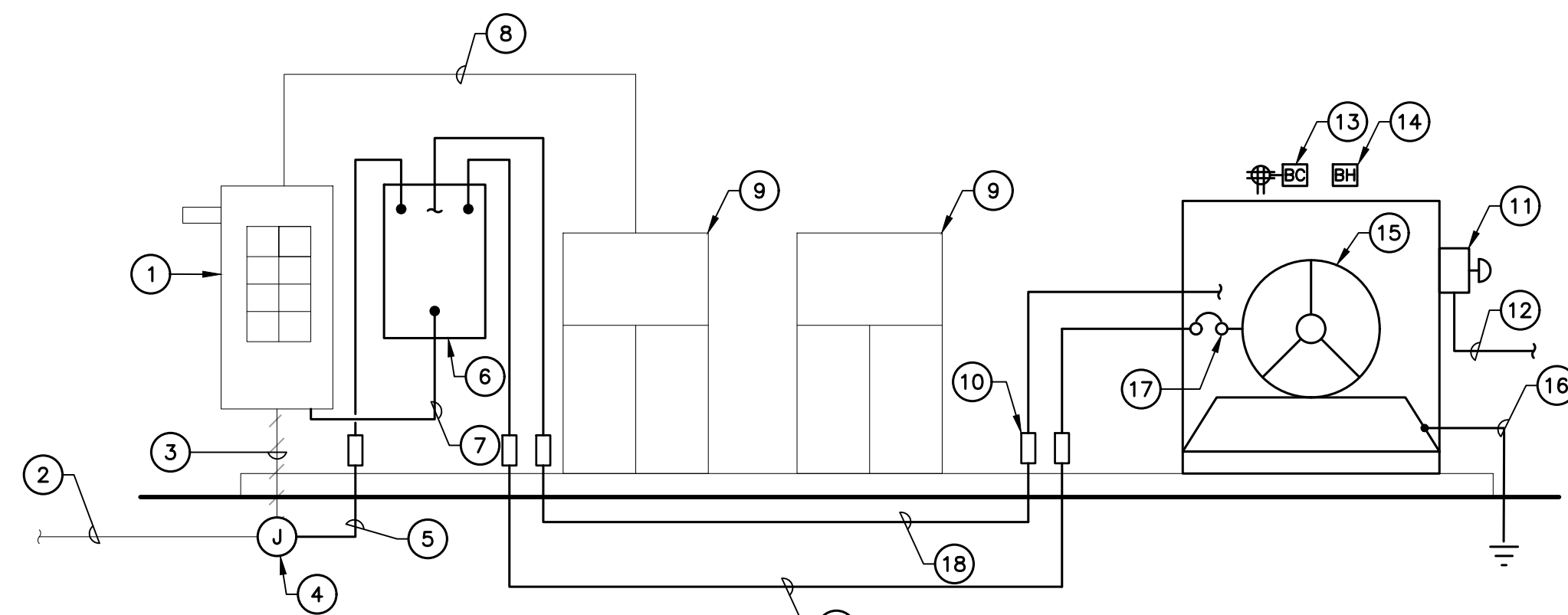
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SCALE: AS NOTED  
JOB NO. 21003.14  
COMPOUND PLAN AND EQUIPMENT PLAN

**C-1**  
Sheet No. 3 of 6

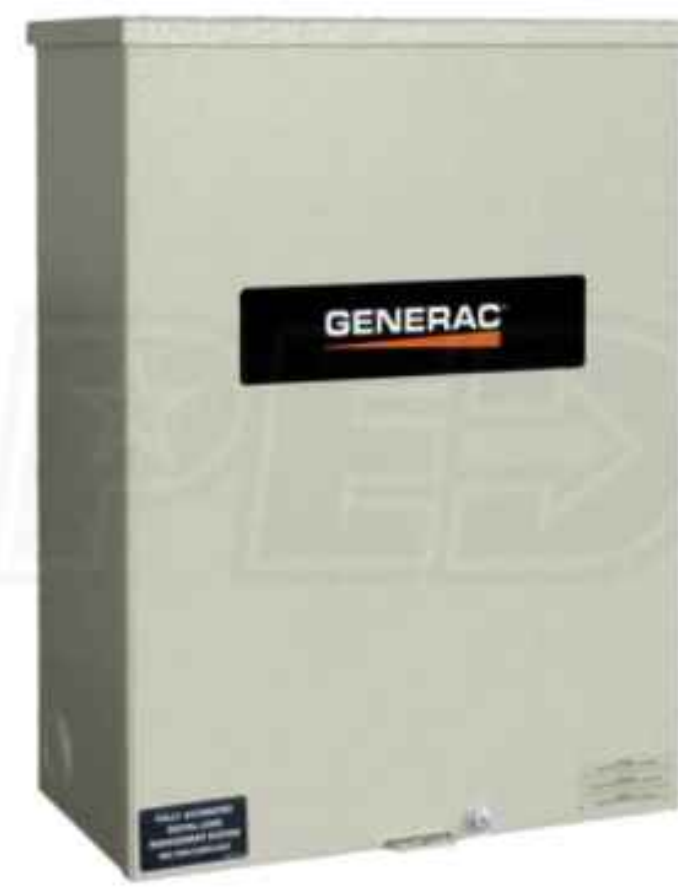




RISER DIAGRAM NOTES	RISER DIAGRAM NOTES
<p>① EXISTING PPC CABINET TO REMAIN.</p> <p>② EXISTING POWER CONDUIT AND CONDUCTORS PREVIOUSLY SERVING EXISTING PANEL.</p> <p>③ SECTION OF CONDUIT AND CONDUCTORS TO BE REMOVED.</p> <p>④ JUNCTION BOX SIZED PER NEC.</p> <p>⑤ EXTEND EXISTING CONDUITS AND CONDUCTORS TO NEW ATS.</p> <p>⑥ NEW 200A, 2 SOURCE AUTOMATIC TRANSFER SWITCH.</p> <p>⑦ (3) #3/0 AWG, (1) #6 AWG GROUND, 2-1/2" CONDUIT.</p> <p>⑧ EXISTING CONDUITS AND CONDUCTORS TO REMAIN</p> <p>⑨ EXISTING EQUIPMENT CABINETS TO REMAIN.</p> <p>⑩ EXPANSION COUPLING TYPICAL.</p>	<p>⑪ REMOTE GENERATOR SHUT OFF SWITCH IN BREAK GLASS ENCLOSURE MOUNTED TO EXTERIOR OF GENERATOR ENCLOSURE PER 2019 NFPA 110 5.6.5.6.1.</p> <p>⑫ 3/4" CONDUIT AND CONDUCTORS REQUIRED FOR PROPER OPERATION OF EMERGENCY GENERATOR SHUT OFF SWITCH.</p> <p>⑬ GENERATOR BATTERY CHARGER AND CONVENIENCE CFCI OUTLET WIRED TO EXISTING PANEL. OUTLET TO BE MOUNTED IN WEATHERPROOF ENCLOSURE.</p> <p>⑭ GENERATOR BLOCK HEATER WIRED TO EXISTING PANEL SERVING.</p> <p>⑮ EMERGENCY BACK UP GENERATOR.</p> <p>⑯ GENERATOR GROUNDING PER NEC AND MANUFACTURER'S REQUIREMENTS. BOND TO EXISTING GROUNDING SYSTEM. (MINIMUM OF (1) #2 AWG GROUND)</p> <p>⑰ GENERATOR OUTPUT CIRCUIT BREAKER.</p> <p>⑱ 1" CONDUIT FOR GENERATOR CONTROL AND SIGNAL WIRING.</p>

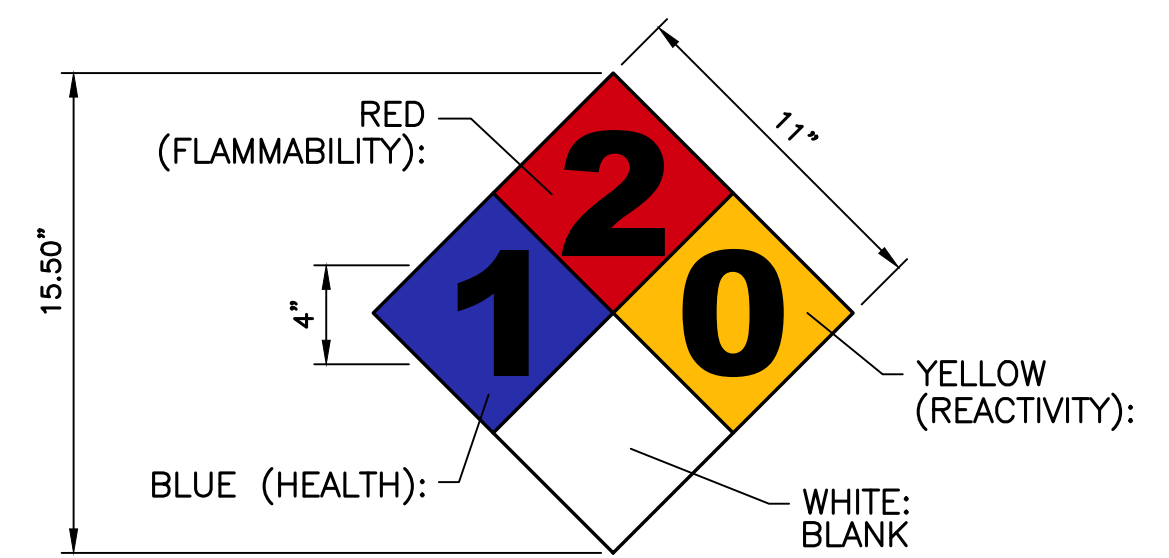


**1 ELECTRICAL RISER DIAGRAM**  
E-1 NOT TO SCALE



AUTOMATIC TRANSFER SWITCH					
EQUIPMENT	PHASE	VOLTAGE	ENCLOSURE	AMP	DIMENSIONS
MAKE: GENERAC MODEL: RXSC200A3	1-PHASE	120/240	NEMA-3R	200	17.3"L x 12.5"W

**2 AUTOMATIC TRANSFER SWITCH DETAIL**  
E-1 NOT TO SCALE



SIGN NAME:	REGULATORY, NFPA 704 HAZARD ID
DESCRIPTION:	MOUNT ON GENERATOR ACCESS DOOR. CONSULT WITH GENERATOR MANUFACTURER MSDS SHEET FOR BLUE AND RES POSITIONS
NOTES:	<p>1) SIGNS EXPOSED TO WEATHER SHOULD BE CHECKED ANNUALLY FOR READABILITY.</p> <p>2) SIGNS MUST BE UPDATED IF CHEMICAL STORAGE OR HAZARD INFORMATION FOR THE LOCATION CHANGES.</p> <p>3) THE GC MUST REVIEW WITH LOCAL JURISDICTION WHEN FILING FOR PERMITS, AS EACH JURISDICTION MAY HAVE DIFFERENT REQUIREMENTS AND COMPLY WITH POSTING REQUIREMENTS OR DIRECTIVES FROM THE LOCAL JURISDICTION.</p>

**3 NFPA 704 DIAMOND SIGNAGE DETAIL**  
E-1 NOT TO SCALE

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION

TJR  
DRAWN BY / CHK'D BY

RTS  
DATE 06/25/21

REV.

PROFESSIONAL ENGINEER SEAL

T-Mobile

Trinity Engineering

Centered on Solutions

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CTNL250A

SITE ID: CTNL250A  
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SCALE: AS NOTED  
JOB NO. 21003.14

TYPICAL ELECTRICAL DETAILS

**E-1**

Sheet No. 5 of 6



