



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

July 20, 2021

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

Notice of Exempt Modification
500 Highland Avenue Cheshire CT
Lattitude 41.51119444
Longitude -72.89847222
T-Mobile site: CT11308A / Hardening

Ms. Bachman:

T-Mobile currently maintains (6) antennas at the 147.5 foot level of the existing 160 -foot monopole at 500 Highland Avenue in Cheshire CT. The monopole is managed by SBA and the property is owned by Town of Cheshire. T-Mobile now intends to add a 25Kw generator to an existing concrete pad in a new lease area within the existing compound

Planned Modifications:

Ground:

Install New:

(1) Generac RD025 25KW AC Diesel Generator - 240 gallon double walled self-contained tank with fuel sensor.

Requires (2) 12-minute run cycles by-weekly.

(1) to be located on an existing concrete pad in new lease area within existing compound

This facility was approved by the Town of Cheshire in 1984. A replacement 160' tower would have been approved by the Town in 2003. The Planning and Zoning department has changed over since then and has only been able to locate the Zoning and Building Permits for the tower construction within the file. The current administration believes that while the permits should have been reviewed by the Planning and Zoning Commission, they were not. No post construction stipulations appear to have been set. Please find documents and confirmation from the Town, attached. Subsequent Exempt Modifications have been approved on this tower an there are no known conditions that would restrict exempt modifications

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 Sean Kimball, Town Manager, and William Voelker, Town Planner, as both Town Officials and underlying Landowners, as well as the Tower owner.

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

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

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

Sincerely,



Elizabeth Jamieson
Transcend Wireless
10 Industrial Ave., Suite 3
Mahwah, New Jersey 07430
860-605-7808
EJamieson@TranscendWireless.com

cc:

Sean Kimball, Town Manager
William Voelker, Town Planner
SBA, Tower Owner

ZONING PERMIT
PLANNING AND ZONING COMMISSION

NO. 17985

DATE Nov. 14, 1989

PERMISSION TO:

(BUILD) (REPAIR) (MAKE ALTERATIONS TO) (BUILD ON ADDITION TO)

A _____ FAMILY DWELLING, OR OTHER _____

ERECT TOWER.

DESCRIPTION OF PREMISES:

ZONE R-2 VALUE \$ 13,000.

TO ERECT 140' HIGH. COMMUNICATION
TOWER FOR POLICE RADIO

GRANTED:

John A. Gussatky

APPLICANT: I hereby certify that the information contained herein is accurate.

George R. Merriam 64 St. Edward
Signature of Applicant

George R. Merriam, Chief of Police
Name of Applicant (Print)

500 Highland Ave, Cheshire, CT
Address

272-5333

Telephone No.

THIS APPROVAL IS SUBJECT TO COMPLIANCE (PRIOR TO OCCUPANCY) WITH THE PROVISIONS OF THE ZONING REGULATIONS AND THE SUBDIVISION REGULATIONS (WHERE APPLICABLE) OF THE TOWN OF CHESHIRE AND AS AUTHORIZED UNDER 8-3f OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

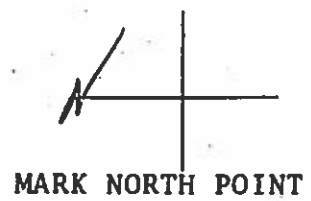
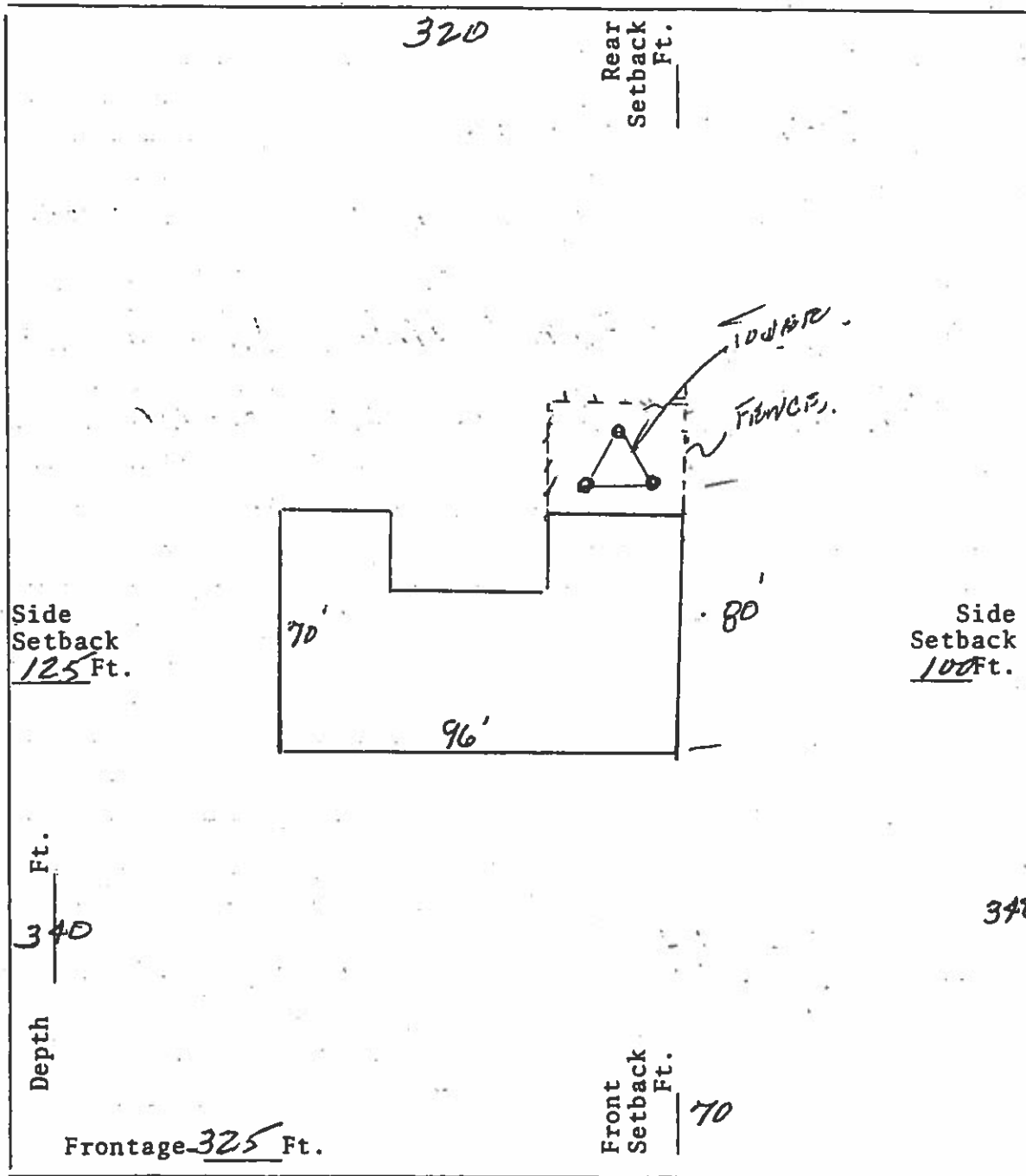
A \$5.00 Fee has been paid by the applicant.

PLOT PLAN

LOCATION: N S ~~W~~ SIDE OF HIGHLAND ~~STREET/ROAD~~ AVENUE

HOUSE NO. 500 LOT NO. _____ OWNER OF LAND TOWN OF CHESTER

INTERIOR OR ~~CORNER~~ LOT _____ ZONE R-2



INFORMATION SUPPLIED BY:

NAME _____

ZONING PERMIT
PLANNING AND ZONING COMMISSION

NO. 23339

DATE 7-31-03

PERMISSION TO:

(BUILD) (REPAIR) (MAKE ALTERATIONS TO) (BUILD ON ADDITION TO)

A _____ FAMILY DWELLING, OR OTHER 160' TOWER

DESCRIPTION OF PREMISES:

ZONE R-40

VALUE \$ 90,000 + 80,000 TENANTS

- 160' TOWER

- INSTALL ANTENNAE FOR:

TOWN

T-MOBILE

CINGULAR

SPRINT

AT&T

GRANTED: July 31, 03

[Signature]

APPLICANT: I hereby certify that the information contained herein is accurate.

[Signature]
Signature of Applicant

HDL61610- TOWER VENTURES
Name of Applicant (Print)

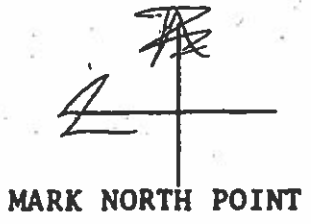
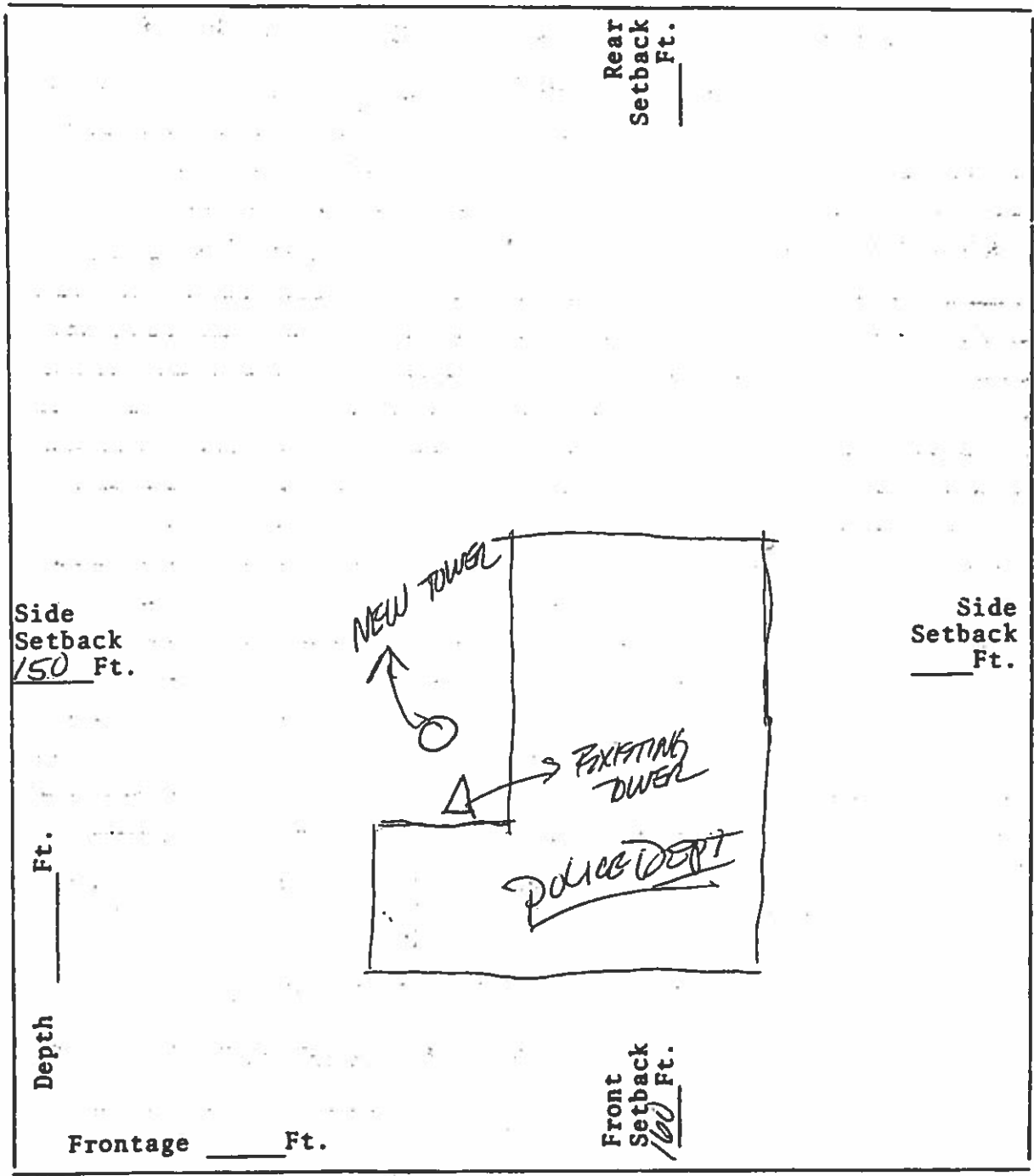
170 WESTMINSTER ST. PROV, RI 02903
Address

401-854-1850
Telephone No.

THIS APPROVAL IS SUBJECT TO COMPLIANCE (PRIOR TO OCCUPANCY) WITH THE PROVISIONS OF THE ZONING REGULATIONS AND THE SUBDIVISION REGULATIONS (WHERE APPLICABLE) OF THE TOWN OF CHESHIRE AND AS AUTHORIZED UNDER 8-3f OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

A \$25.00 Fee has been paid by the applicant.

HOUSE NO. 500 HIGHLAND AVE STREET
LOT NO. 2 OWNER OF LAND TOWN OF CHESTER
INTERIOR OR CORNER LOT _____ ZONE R40



INFORMATION SUPPLIED BY:
Habitatio Pros-Mgr
NAME TV2, LLC

No 11985

TOWN OF CHESHIRE, CONN.

Total Estimated Cost \$.....

Estimated Cost (structural) \$ 13,000.00

Fee \$ WAIVED

BUILDING PERMIT

December 19 84

OFFICE COPY OF PERMIT

Permission is hereby granted to Town of Cheshire - Police Dept.

to erect a radio tower building on the side of

500 Highland Avenue

as follows:—Size ft. long, ft. wide, stories high;

supported on walls to be

roof covered with; No. of house-keeping units Distance

from nearest building feet; distance from street line feet; distance from each side of lot line

E. feet; W. feet; S. feet; N. feet.

BUILDING LINE

Owner Town of Cheshire

Footing forms must be inspected before pouring of concrete.

All sewage systems, rough electrical and rough plumbing must be inspected before covered.

Certificate of Occupancy must be obtained before building is occupied.

FOR ADDITIONAL REQUIREMENTS TO THE BUILDING DEPARTMENT TOWN OF CHESHIRE, CONN. OF THIS PERMIT SEE OTHER SIDE.

John Buzzuto Building Inspector

Permission must be obtained from the Office of the Town Engineer before Building Material can be placed in the highway. Surface and roof water must not be connected with the sewer.

10-1-03 Footings and Rebar - OK R.S.
 10-7-03 Piers OK. Room
 10-21-03 underground piping OK. grt
 6-18-04 Final - OK R.S.

Building 500 Highland Avenue Date August 13, 2003

BUILDING PERMIT

Plumbing
 Heating/AC
 Electric 17942
 Oil Tank
 Water
 Septic
 Sewer
 23339

Estimated Cost	\$ 180,000.00
Fee	\$ 1980.00
Zoning Fee	\$ 25.00
Total Cost	\$ 2005.00

TO BUILDING DEPARTMENT, TOWN OF CHESHIRE, CONN.

The undersigned, hereby applies for a permit to do work according to the following specifications:

No. 500 Highland Ave Lot No. _____ Zone R-40

Owner of building Town of Cheshire Address 84 So. Main St.

Builder Tower Ventures II Llc Address 170 Westminster St. Pro. Ct

Architect URS Address 795 Brook St. Rocky Hill

Size Main Bldg.: Ft. Front Overall _____ Ft. Deep Overall _____ Net Area _____ Garages _____

No. of Families _____ No. of Stories _____ Construction _____ No. of rooms: 1st _____ 2nd _____ 3rd _____

Purpose of this Permit To Erect a 160' Manapole Communication Tower and Attach (Install) Attt Sprint, T-Mobile, Cingular Wireless and Municipal Antennae; Erect a Retaining wall for Future Equipment Buildings.

Dist. from lot line E. W. 160, S. N. 150, Dist. nearest bldg. ft.

Height of stories—cellar 1st 2nd 3rd 4th 5th

Found. depth below grade 47' min. Above grade

Size footing Material for found. Found. thickness 1/3"

Roof Outside studs Dist. centers Size sill Size of plate

No. of Stairways Piers Dist. apart No. of rows Size of pier found. 8' Larson

Materials for Exterior Walls Interior Walls Ceiling

Size of girders

Species of lumber—Floor joists Framing Sheath. R. Fl. Fin. Fl.

Floor joists, size: 1st 2nd 3rd stories. Dist. on center

Longest span of floor joist: 1st 2nd 3rd If not wood joist const. what type of floor?

Size of studs carrying partitions Size of Roof Rafters Longest span on center

Chimney Size of Flue How many? Tile stark

I hereby agree to conform to all the requirements of the Laws of the State of Connecticut and the Ordinances of the Town of Cheshire, and to notify the Building Inspector of any alteration in the plans or specifications of the Building for which this permit is asked. And agree that this building is to be located the proper distance from all streets, side yard lines and required distances from all other zones and is located in a zone in which this building and its use is allowed.

Signed *[Signature]* Date 5/15/10

Address 170 WESTMINSTER ST. PROV. CT. Telephone 860 345 4602

TOWN OF CHESHIRE, CONN.

No 23339

Total Estimated Cost \$180,000.00

BUILDING PERMIT

Fee \$ 1,980.00

August 20, 2003

Permission is hereby granted to Tower Ventures II

to erect a communication tower, antennae and retaining wall

Address: 500 HIGHLAND AVENUE

as follows:—Size _____ ft. long, _____ ft. wide, _____ stories high;
 supported on _____ walls to be _____;
 roof covered with _____
 E. _____ feet; W. _____ feet; S. _____ feet; N. _____ feet.

Owner Town of Cheshire

Footing forms must be inspected before pouring of concrete.
 All sewage systems, rough electrical and rough plumbing must be inspected before covered.
 Certificate of Occupancy must be obtained before building is occupied.

BUILDING DEPARTMENT, TOWN OF CHESHIRE, CONN.

[Signature] Building Inspector

Permission must be obtained from the Office of the Town Engineer before Building Material can be placed in the highway. Surface and roof water must not be connected with the sewer.

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 Cheshire

The bedding plant capital of Connecticut

Information on the Property Records for the Municipality of Cheshire was last updated on 6/13/2019.

Parcel Information

Location:	490 HIGHLAND AVE	Property Use:	School	Primary Use:	Elementary School
Unique ID:	00478600	Map Block Lot:	51 2	Acres:	24.80
Zone:	R-20A	Volume / Page:	169/ 675	Developers Map / Lot:	884315
Census:	3431				

Value Information

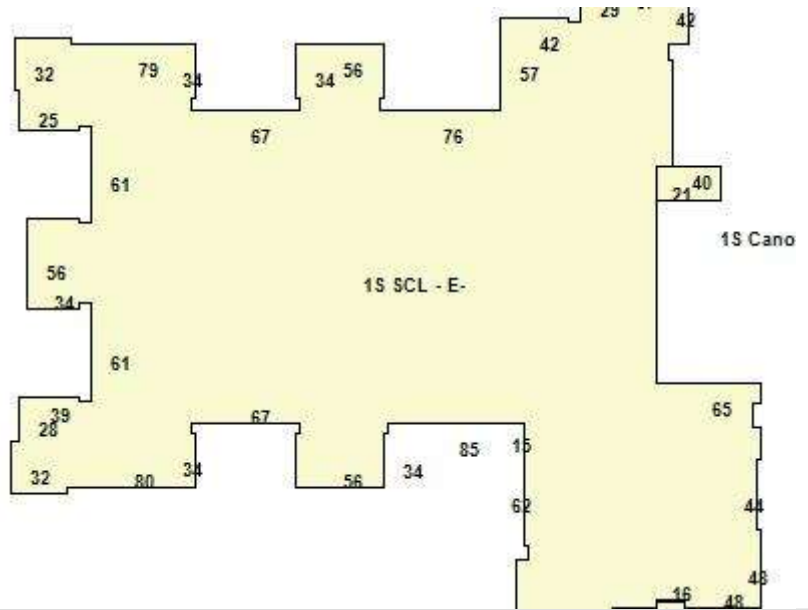
	Appraised Value	Assessed Value
Land	2,353,916	1,647,740
Buildings	17,917,074	12,541,950
Detached Outbuildings	55,211	38,650
Total	20,326,201	14,228,340

Owner's Information

Owner's Data

CHESHIRE TOWN OF
 HIGHLAND SCHOOL
 POLICE STATION
 CHESHIRE CT 06410

Building 1



Category:	School	Use:	Elementary School	Stories:	1.00
Above Grade:	114,271	Below Grade:	0	Below Grade Finish:	0
Construction:	Good	Year Built:	1971	Heating:	FHA
Fuel:	Gas	Cooling Percent:	100%	Siding:	Stucco
Roof Material:	Composite Built Up	Beds/Units:	0		

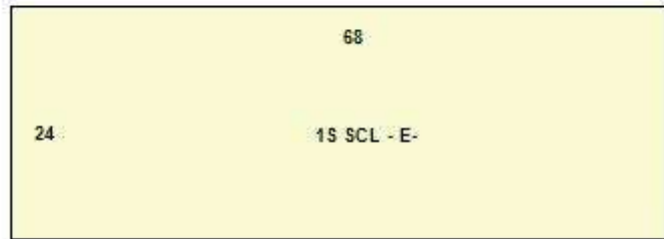
Special Features

Extra Plumbing Fixtures	99
Wet Sprinklers	114271

Attached Components

Type:	Year Built:	Area:
Metal Canopy	1971	840
Open Porch	1971	208

Building 2



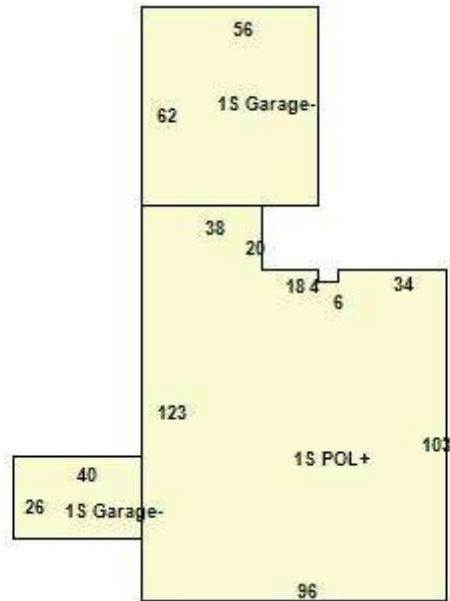
Category:	School	Use:	Elementary School	Stories:	1.00
Above Grade:	1,632	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1988	Heating:	Electric Baseboard
Fuel:	Electric	Cooling Percent:	0%	Siding:	Vertical Wood
Roof Material:	Asphalt	Beds/Units:	0		

Special Features

Extra Plumbing Fixtures	24
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Attached Components

Building 3



Category:	Public Use	Use:	Jail - Police Station	Stories:	1.00
Above Grade:	10,638	Below Grade:	10,638	Below Grade Finish:	7,416
Construction:	Average	Year Built:	1971	Heating:	FHA
Fuel:	Gas	Cooling Percent:	100%	Siding:	B. V. Solid
Roof Material:	Asphalt	Beds/Units:	0		

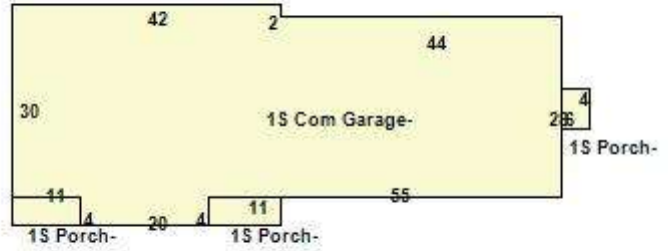
Special Features

Wet Sprinklers	10638
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Attached Components

Type:	Year Built:	Area:
Cblk/Fr Garage	1992	1,040
Cblk/Fr Garage	1971	3,472

Building 4



Category:	Automotive	Use:	Commercial Garage	Stories:	1.00
Above Grade:	2,571	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1987	Heating:	
Fuel:		Cooling Percent:	0%	Siding:	Concrete Block
Roof Material:		Beds/Units:	0		

Special Features

Attached Components

Type:	Year Built:	Area:
Open Porch	1987	24
Open Porch	1987	44
Open Porch	1987	44

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Fencing	1971			2,404
Paving	1988			80,000
Building Utility	2004	12	20	240

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Valid Sale	Sale Price
CESHIRE TOWN OF	169	675	03/08/2019		No	\$0

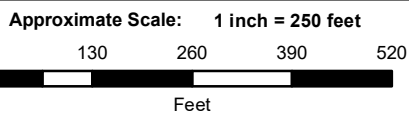
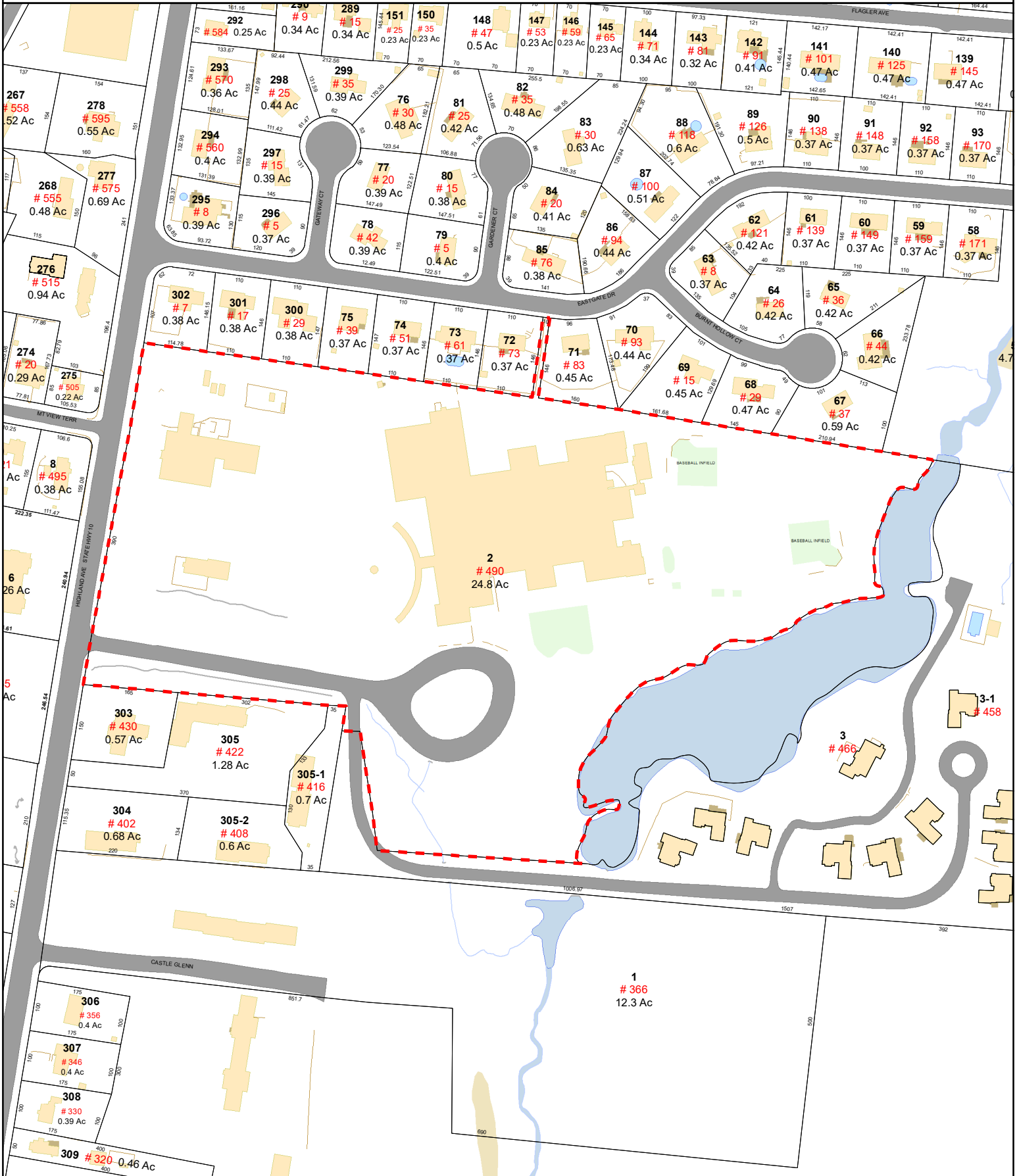
Information Published With Permission From The Assessor

Town of Cheshire, Connecticut - Assessment Parcel Map



Parcel: 00478600

Location: 490 HIGHLAND AVE

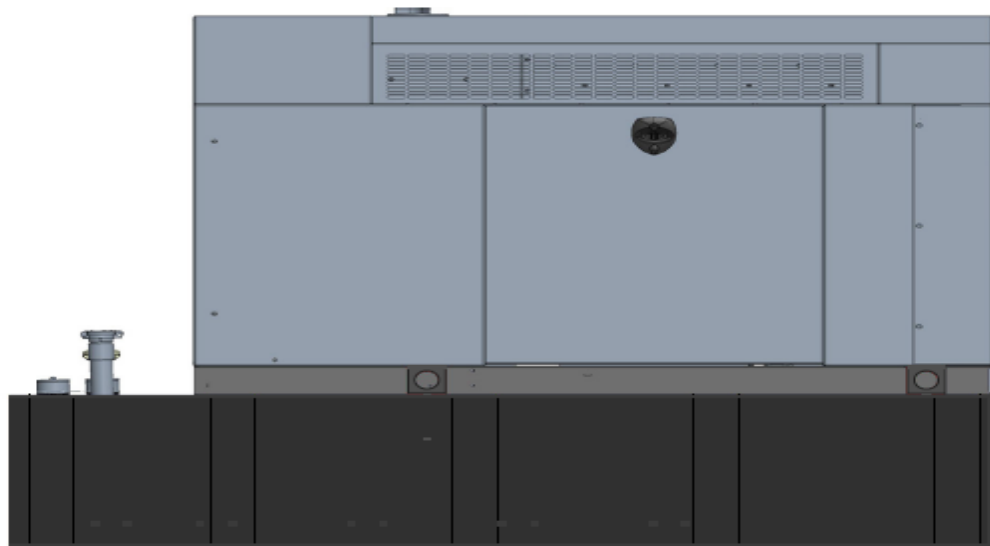


Map Produced: September 2020

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

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:	http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750	Slightly updated 1/2011	

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1 Introduction / Project Summary

1.1 Purpose of Project

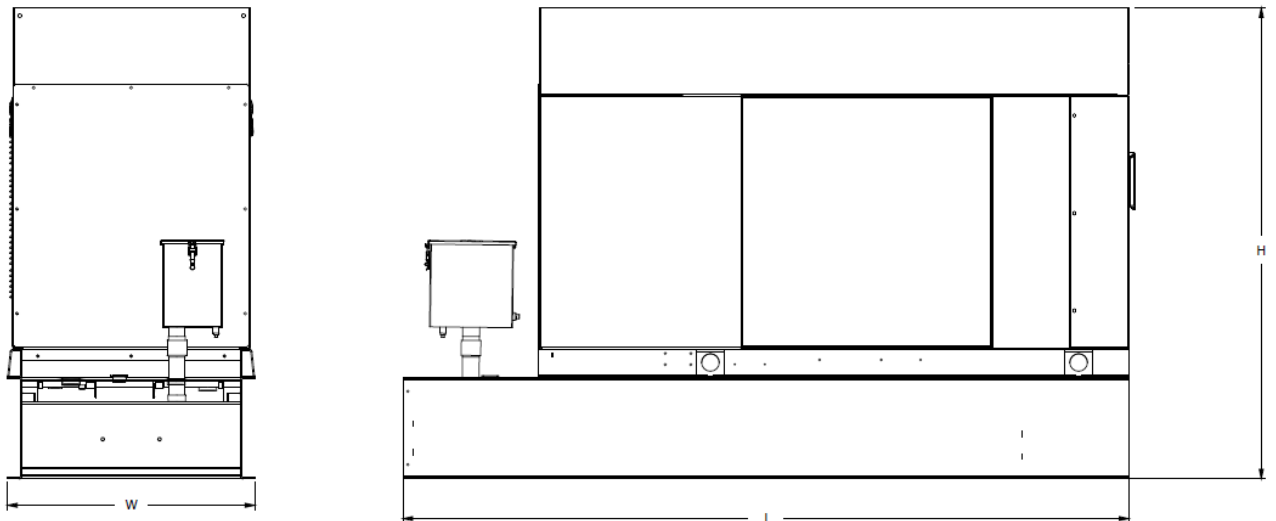
T-Mobile’s nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer 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.

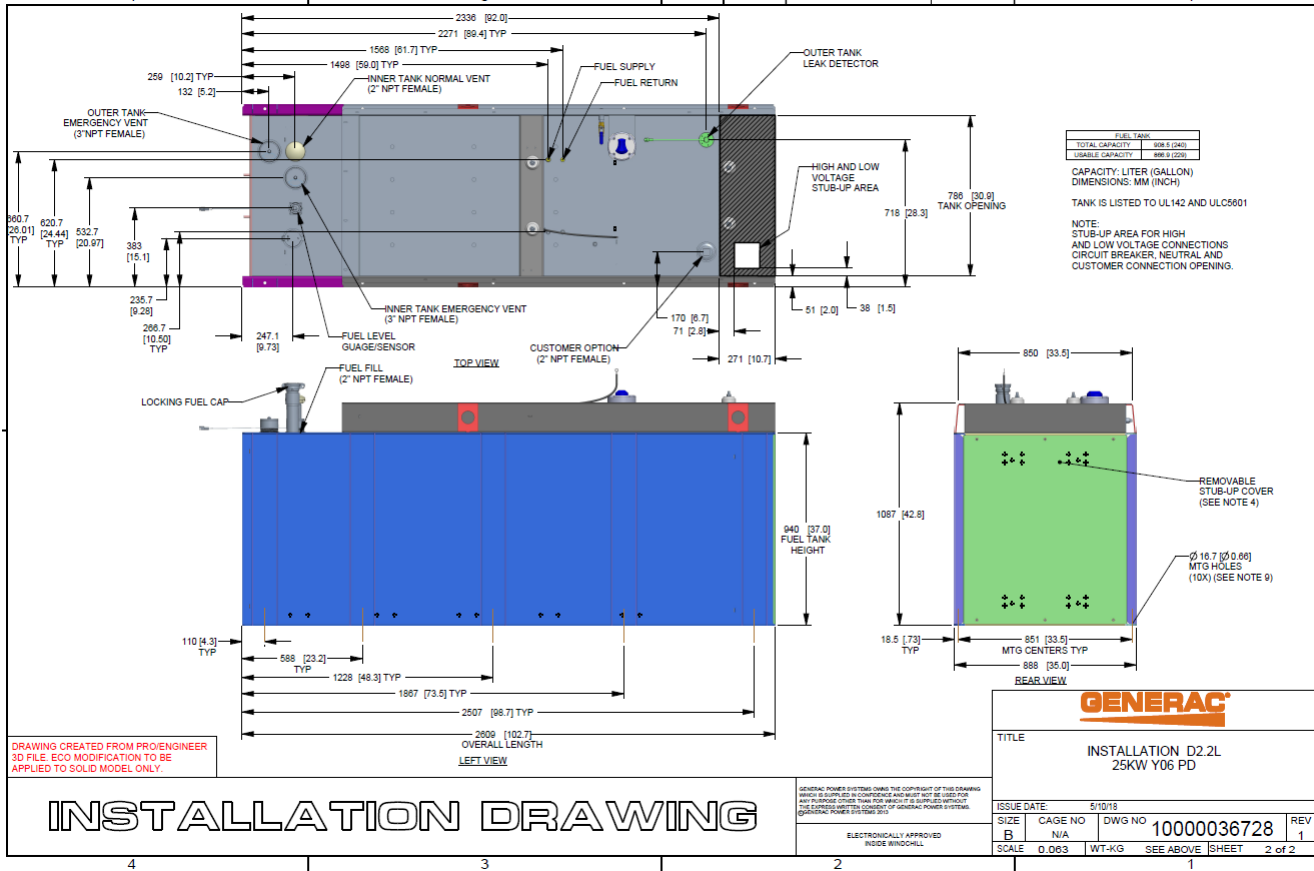


Weights and Dimensions

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

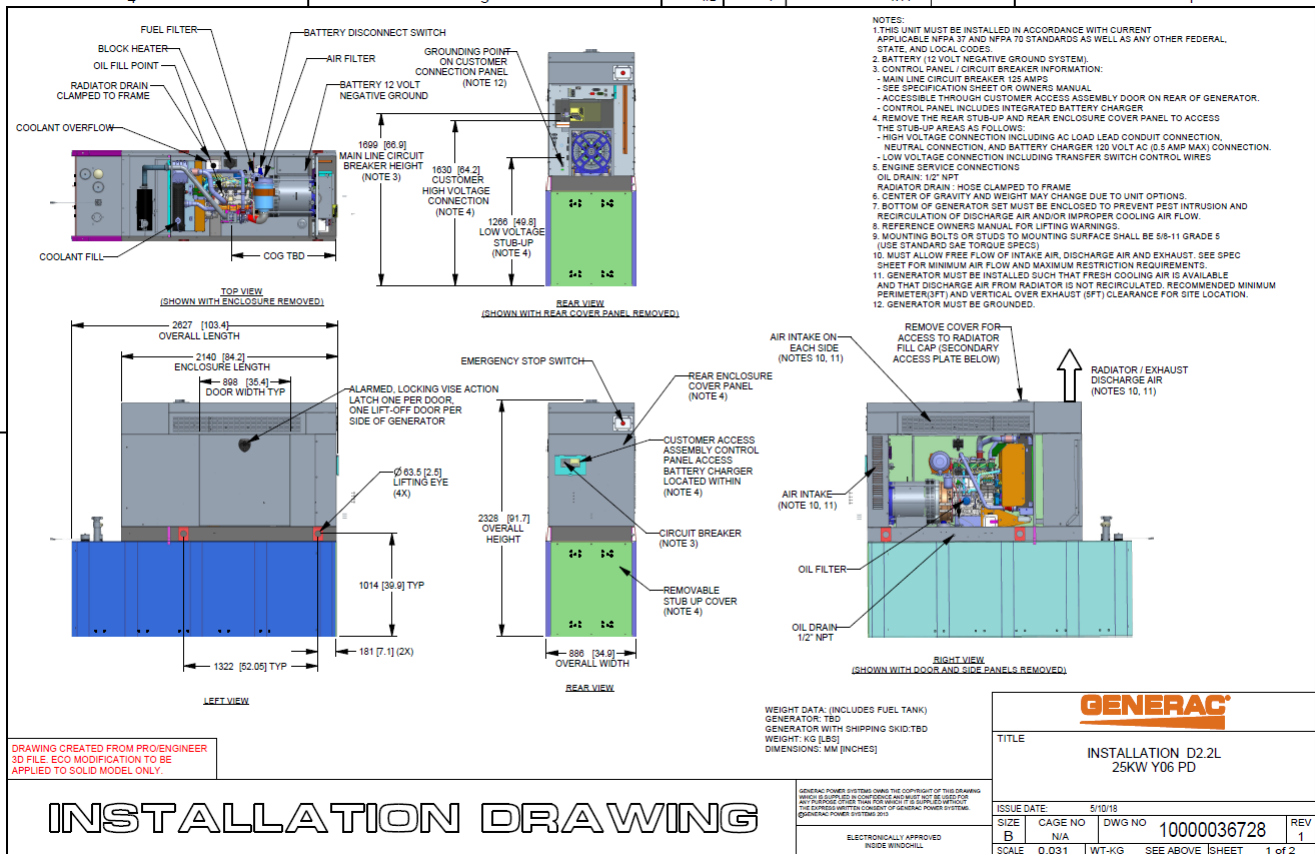
The RD025 will come with a RXSC200A3 and an Evollution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

RXSC200A3 [Link](#)

RXSC200A3 install drawing [Link](#)

Evolution controller spec sheet [Link](#)

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

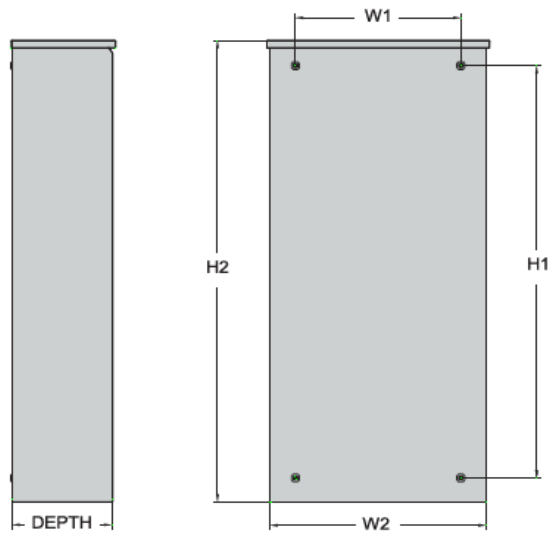


3.2 RXSC200A3 Automatic Transfer Switch

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.

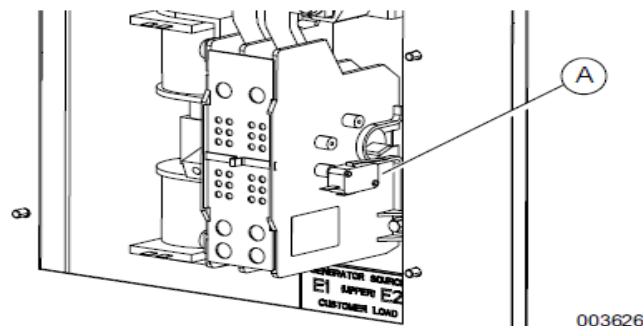


Figure 3-4. Auxiliary Contact

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.

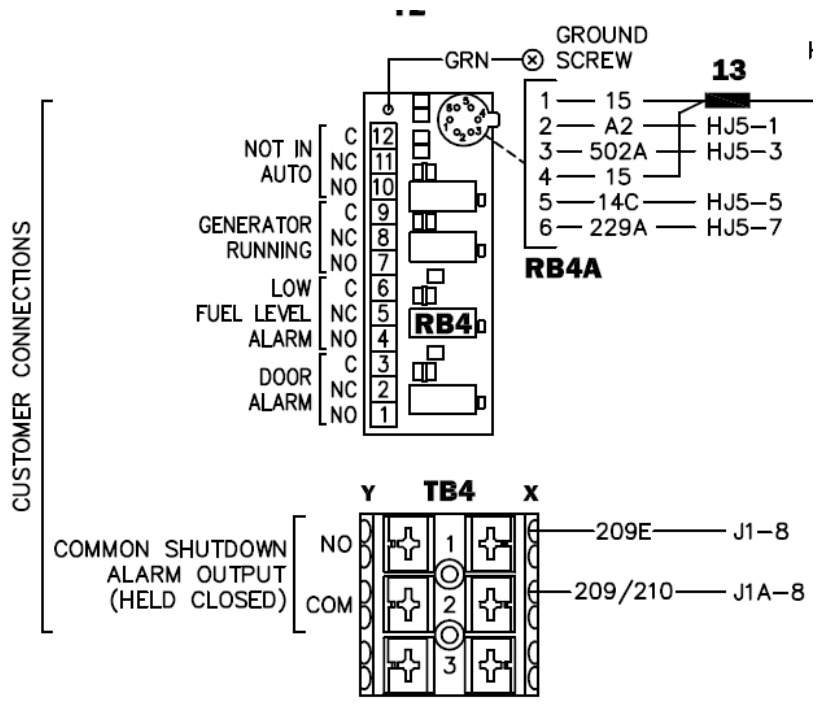
CAUTION

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
Product no	Denomination	
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

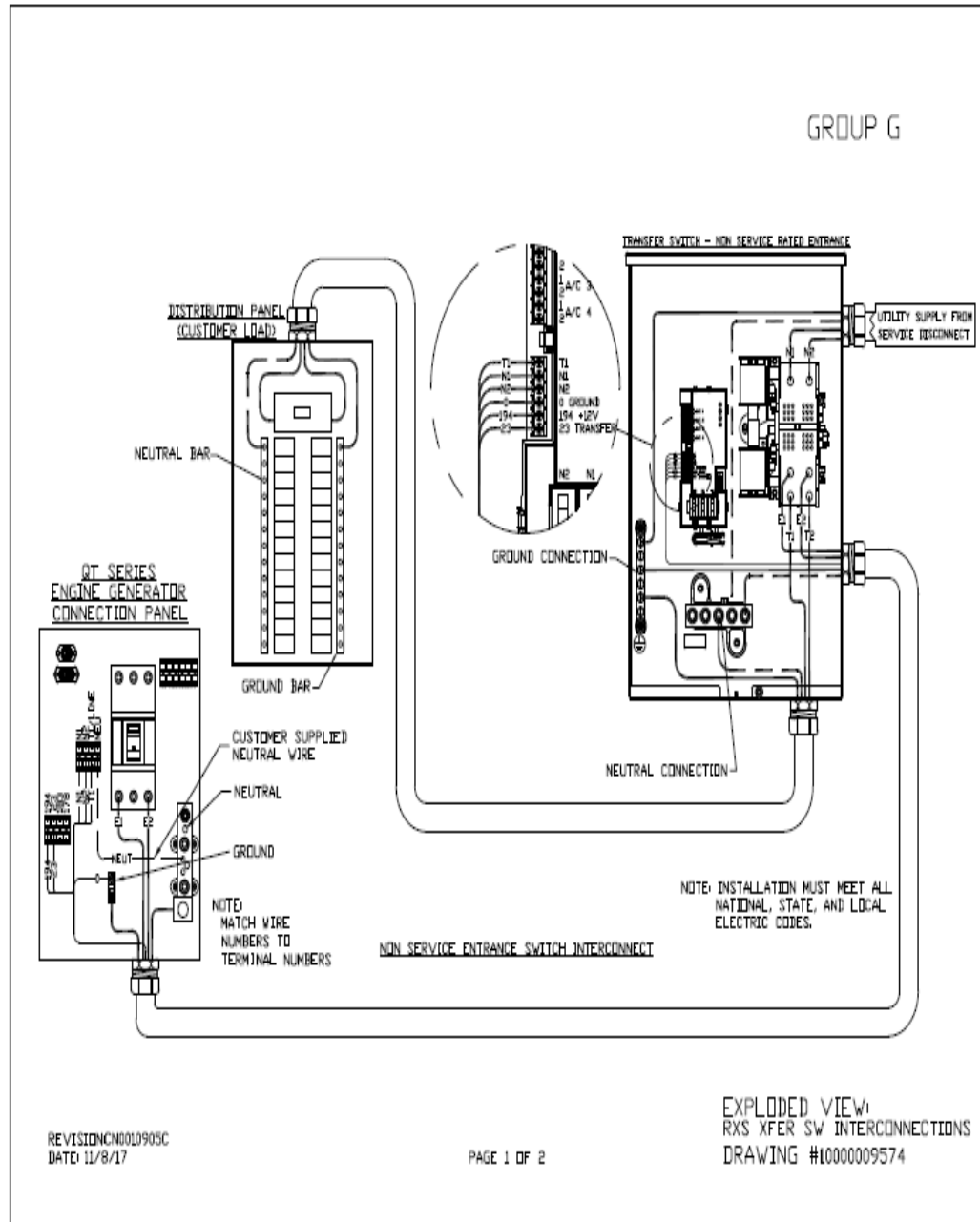
5 Regulatory Requirements

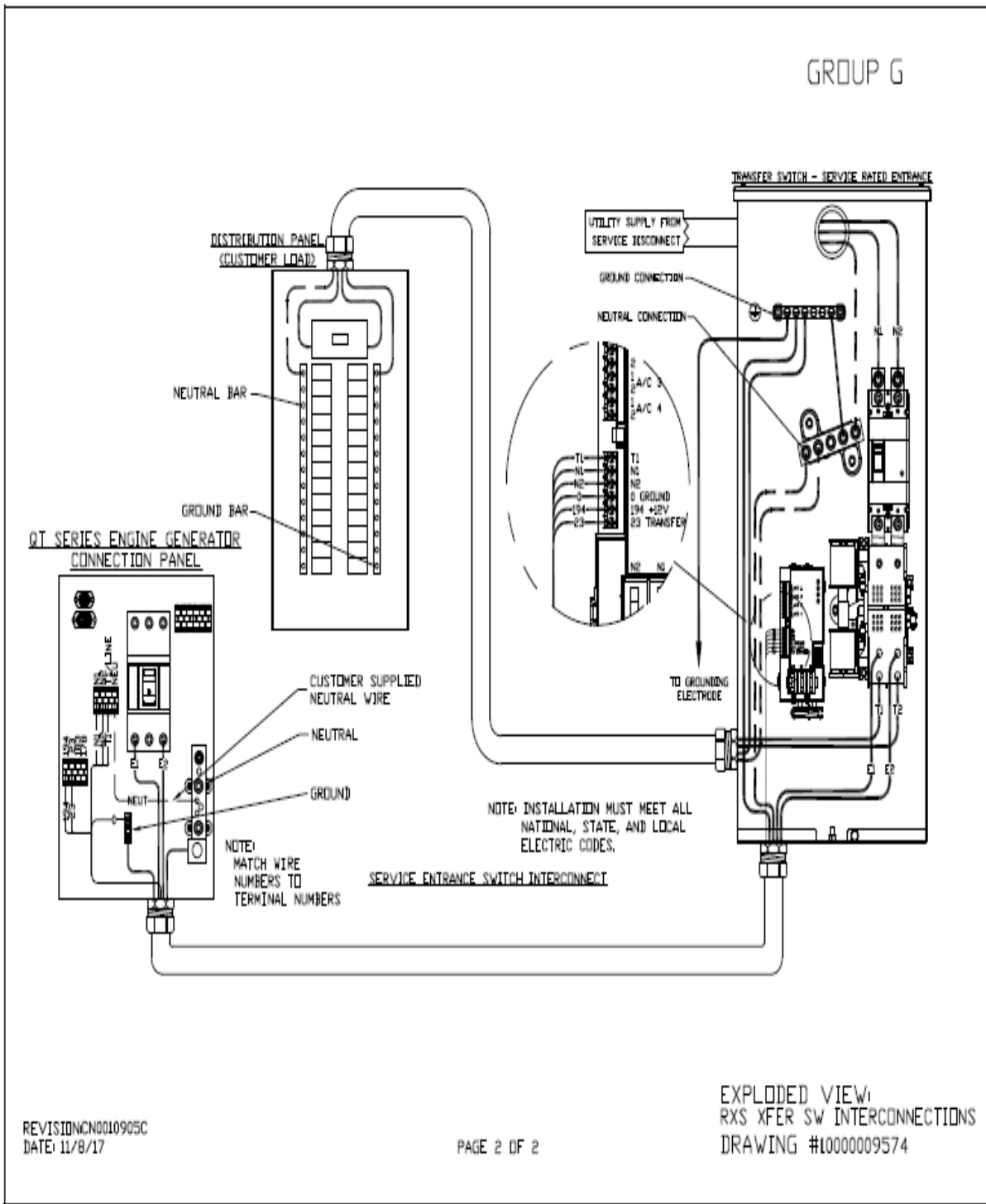
Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

6 Configuration/Diagrams

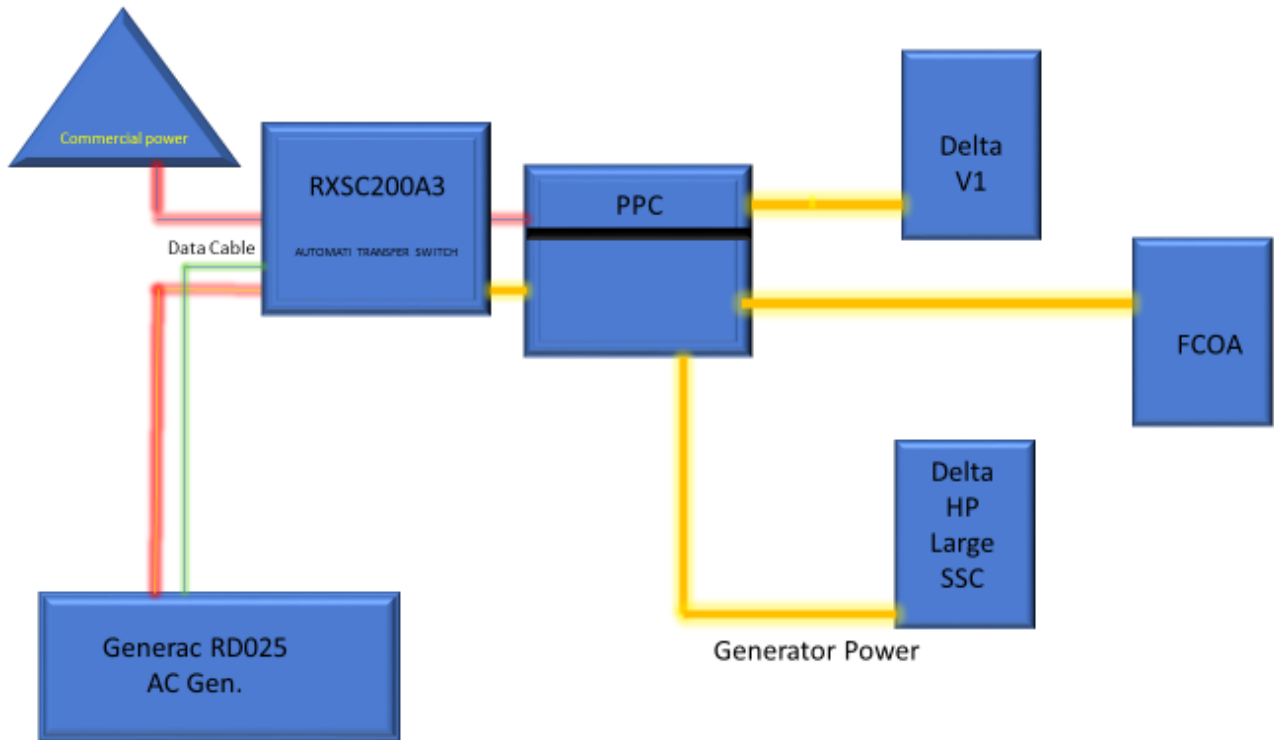
The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.

Commercial Power Connection Points
On The RXSC200A3





Compound Diagram:



7 Maintenance

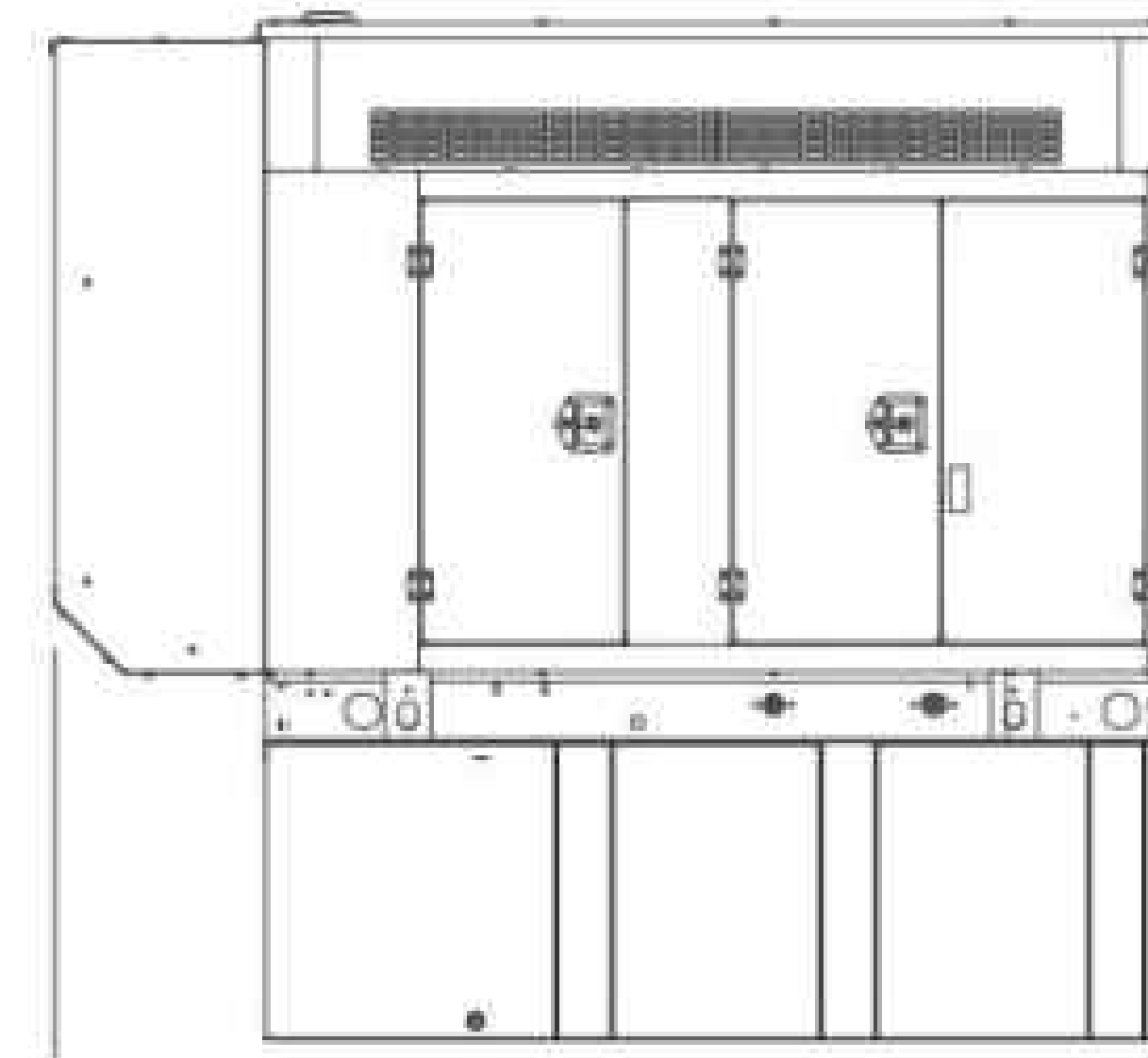
T-Mobile is recommending preventive maintenance to be performed every 250 hours of run-time or every 12 months, whichever comes first.

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.

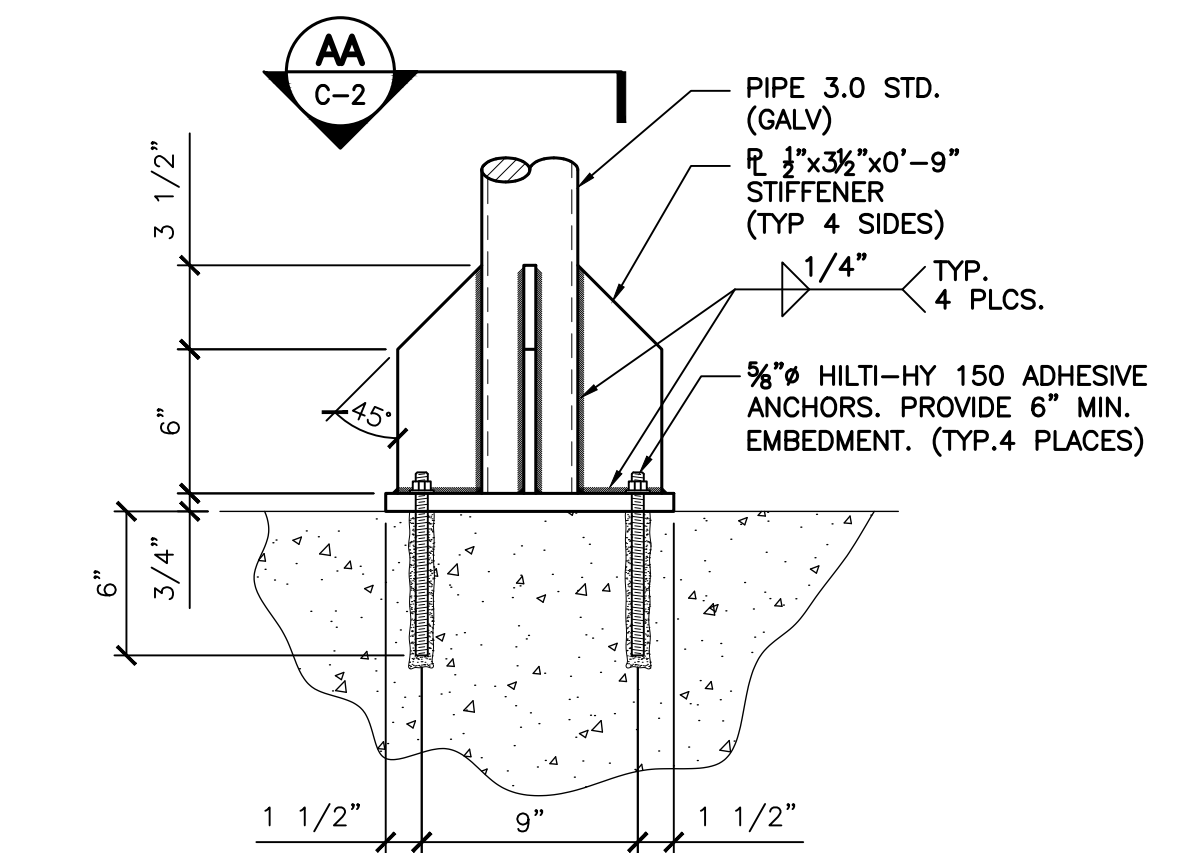
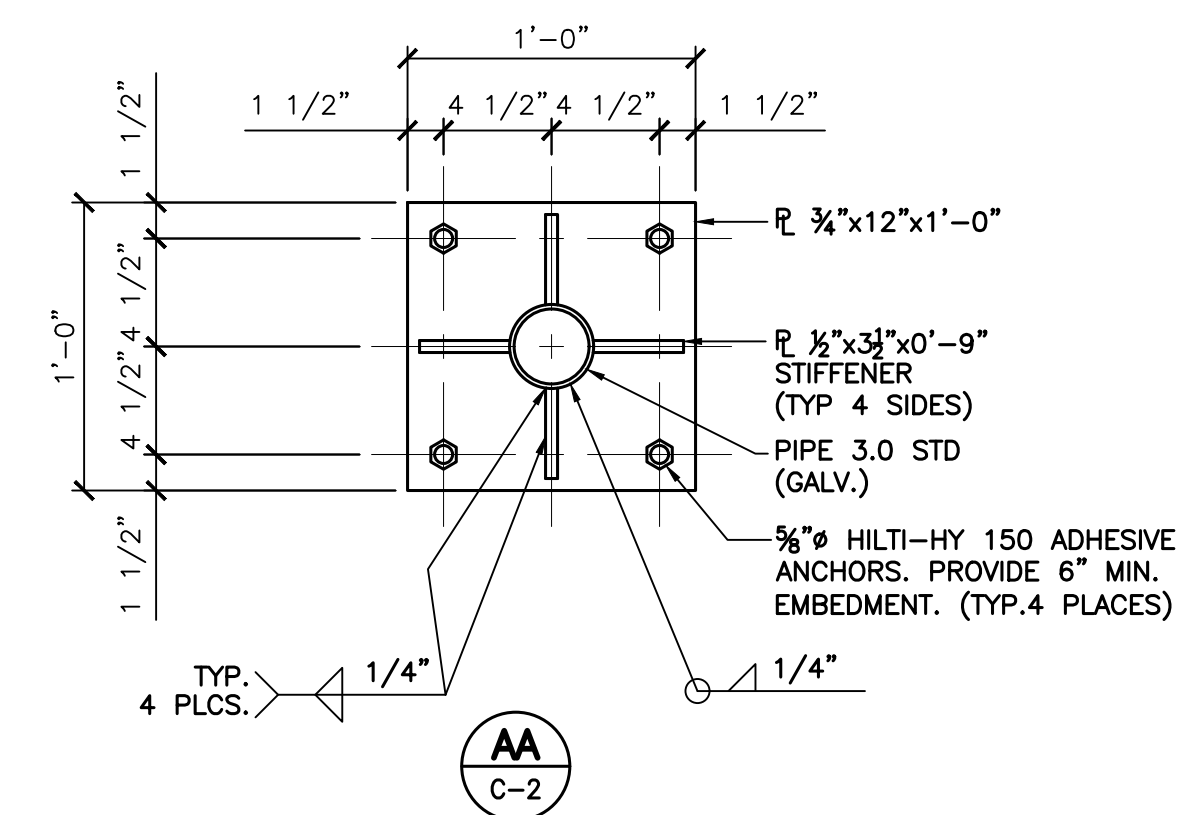


BACKUP POWER GENERATOR						
EQUIPMENT	POWER GENERATED	FUEL	MODEL NUMBER	FUEL TANK SIZE (GAL)	DIMENSIONS	WEIGHT
MAKE: GENERAC MODEL: SD25	25 KW, AC	DIESEL	20190928	211	94.8"L x 38.0"W x 99"H	3270 LBS.

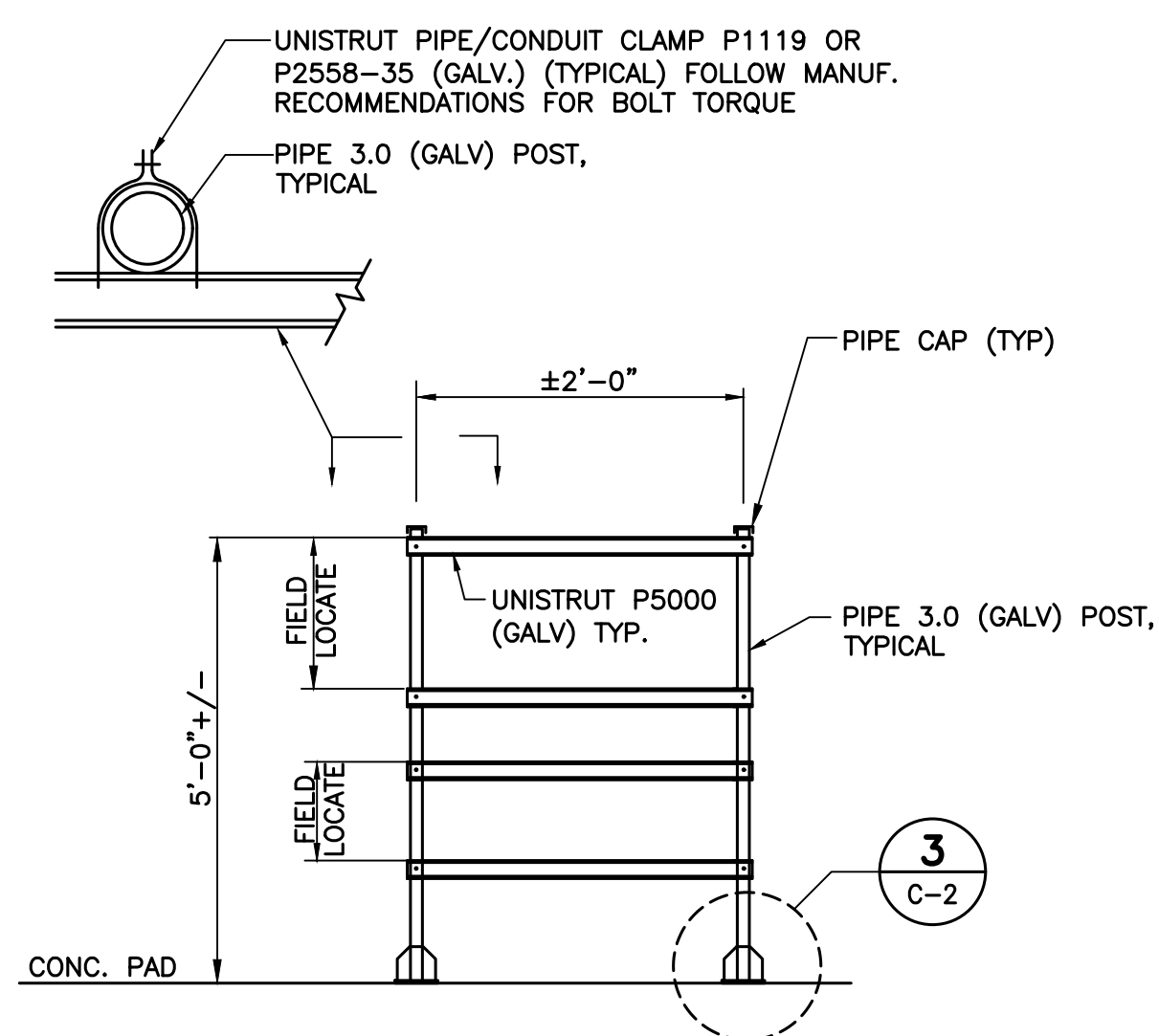
NOTES:

- FUEL LEVEL/SECONDARY CONTAINMENT SHALL BE ALARMED AND IN COMMUNICATION WITH T-MOBILE'S NOC.
- CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION AND ALL OPTIONAL FEATURES WITH T-MOBILE'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

1 PROPOSED GENERATOR DETAIL
SCALE: NOT TO SCALE



3 FRAME TO CONCRETE CONNECTION DETAIL
SCALE: NOT TO SCALE



2 EQUIPMENT MOUNTING FRAME DETAIL
SCALE: NOT TO SCALE

PROFESSIONAL ENGINEER SEAL	CONSTRUCTION DRAWINGS - REVISED PER NEW GENERATOR MODEL			
	CONSTRUCTION DRAWINGS - REVISED PER CLIENT COMMENTS			
	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION			
REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	08/30/18	KAWJR	TJR	
1	03/31/21	RTS	TJR	
2	10/05/18	CAG	TJR	

T-Mobile
Transcend Wireless

CENTEX engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentexEng.com

T-MOBILE NORTHEAST LLC
CHESHIRE POLICE/TV
SITE ID: CT11308D
500 HIGHLAND AVE
CHESHIRE, CT 06410

DATE: 08/22/18
SCALE: AS NOTED
JOB NO. 18079.32

TYPICAL EQUIPMENT DETAILS

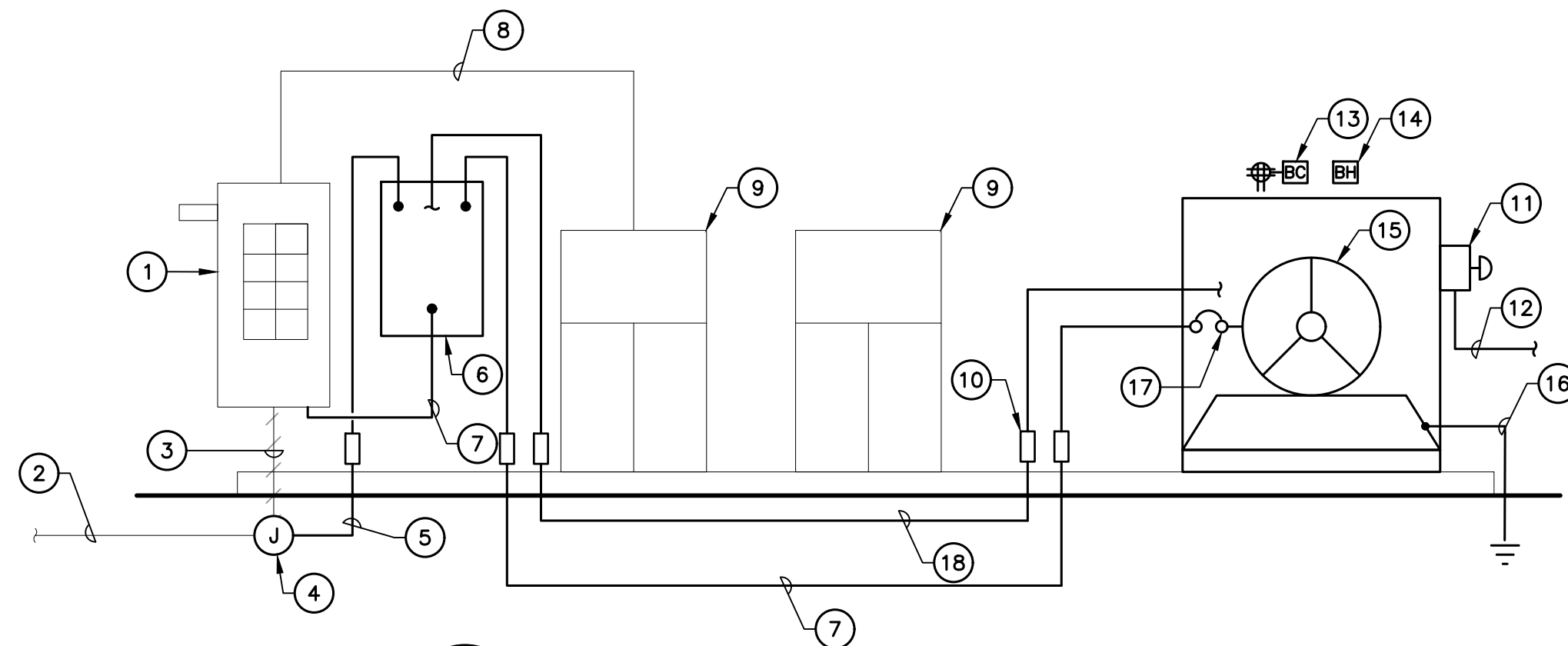
C-2
Sheet No. 4 of 5

RISER DIAGRAM NOTES

- ① EXISTING PPC CABINET TO REMAIN.
- ② EXISTING POWER CONDUIT AND CONDUCTORS PREVIOUSLY SERVING EXISTING PANEL.
- ③ SECTION OF CONDUIT AND CONDUCTORS TO BE REMOVED.
- ④ JUNCTION BOX SIZED PER NEC.
- ⑤ EXTEND EXISTING CONDUITS AND CONDUCTORS TO NEW ATS.
- ⑥ NEW 200A, 2 SOURCE AUTOMATIC TRANSFER SWITCH.
- ⑦ (3) #3/0 AWG, (1) #6 AWG GROUND, 2-1/2" CONDUIT.
- ⑧ EXISTING CONDUITS AND CONDUCTORS TO REMAIN
- ⑨ EXISTING EQUIPMENT CABINETS TO REMAIN.
- ⑩ EXPANSION COUPLING TYPICAL.

RISER DIAGRAM NOTES

- ⑪ REMOTE GENERATOR SHUT OFF SWITCH IN BREAK GLASS ENCLOSURE MOUNTED TO EXTERIOR OF GENERATOR ENCLOSURE.
- ⑫ 3/4" CONDUIT AND CONDUCTORS REQUIRED FOR PROPER OPERATION OF EMERGENCY GENERATOR SHUT OFF SWITCH.
- ⑬ GENERATOR BATTERY CHARGER AND CONVENIENCE GFCI OUTLET WIRED TO EXISTING PANEL. OUTLET TO BE MOUNTED IN WEATHERPROOF ENCLOSURE.
- ⑭ GENERATOR BLOCK HEATER WIRED TO EXISTING PANEL SERVING.
- ⑮ EMERGENCY BACK UP GENERATOR.
- ⑯ GENERATOR GROUNDING PER NEC AND MANUFACTURER'S REQUIREMENTS. BOND TO EXISTING GROUNDING SYSTEM. (MINIMUM OF (1) #2 AWG GROUND)
- ⑰ GENERATOR OUTPUT CIRCUIT BREAKER.
- ⑱ 1" CONDUIT FOR GENERATOR CONTROL AND SIGNAL WIRING.

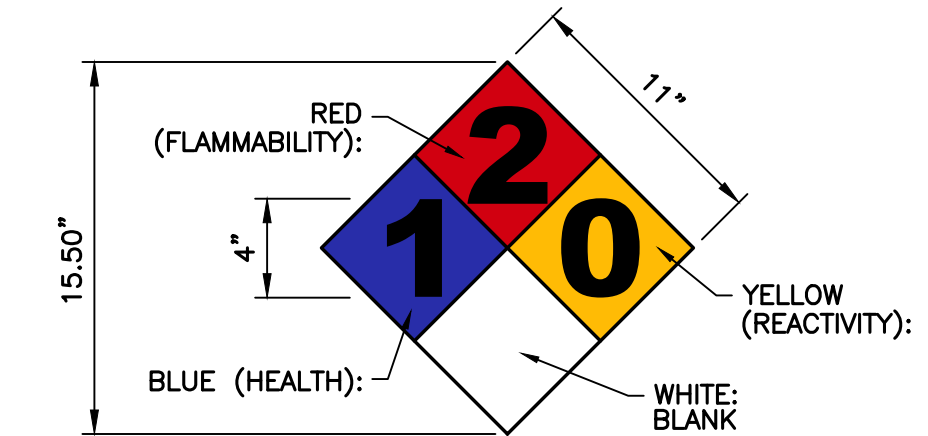


1 ELECTRICAL RISER DIAGRAM
E-1 NOT TO SCALE



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

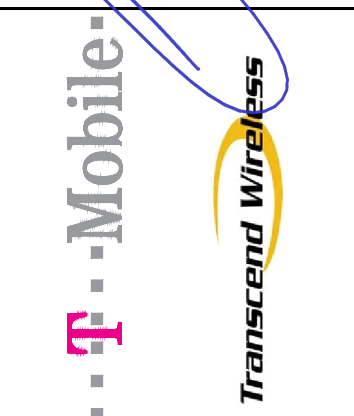
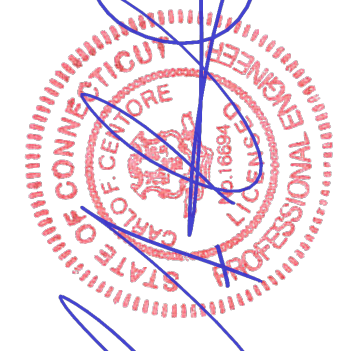


SIGN NAME: REGULATORY, NFPA 704 HAZARD ID
DESCRIPTION: MOUNT ON GENERATOR ACCESS DOOR. CONSULT WITH GENERATOR MANUFACTURER MSDS SHEET FOR BLUE AND RES POSITIONS
NOTES:

- 1) SIGNS EXPOSED TO WEATHER SHOULD BE CHECKED ANNUALLY FOR READABILITY.
- 2) SIGNS MUST BE UPDATED IF CHEMICAL STORAGE OR HAZARD INFORMATION FOR THE LOCATION CHANGES.
- 3) THE GC MUST REVIEW WITH LOCAL JURISDICTION WHEN FILLING FOR PERMITS, AS EACH JURISDICTION MAY HAVE DIFFERENT REQUIREMENTS AND COMPLY WITH POSTING REQUIREMENTS OR DIRECTIVES FROM THE LOCAL JURISDICTION.

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

CONSTRUCTION DRAWINGS - REVISED PER NEW GENERATOR MODEL	TJR
CONSTRUCTION DRAWINGS - REVISED PER CLIENT COMMENTS	TJL
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	TJR
DATE	08/30/18
REV.	0
DESCRIPTION	DRAWN BY:CHK'D BY:



CENTEX engineering
Centered on Solutions
(203) 488-0380
(203) 488-8387 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentexEng.com

T-MOBILE NORTHEAST LLC
CHESHIRE POLICE/TV
SITE ID: CT11308D
500 HIGHLAND AVE
CHESHIRE, CT 06410

DATE: 08/22/18
SCALE: AS NOTED
JOB NO. 18079.32

TYPICAL ELECTRICAL DETAILS

E-1

View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. GETTING YOUR SHIPMENT TO UPS

Customers with a scheduled Pickup

- Your driver will pickup your shipment(s) as usual.

Customers without a scheduled Pickup

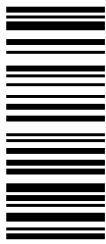
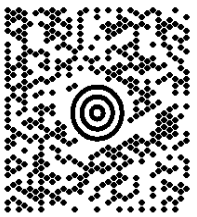
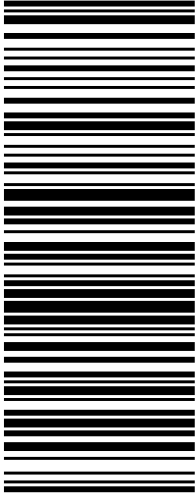

- Schedule a Pickup on [ups.com](https://www.ups.com) to have a UPS driver pickup all of your packages.
- Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at [ups.com](https://www.ups.com).

UPS Access Point™
MICHAELS STORE # 7773
75 INTERSTATE SHOP CTR
RAMSEY NJ 07446-1130

UPS Access Point™
THE UPS STORE
115 FRANKLIN TPKE
MAHWAH NJ 07430-1325

UPS Access Point™
THE UPS STORE
120 E MAIN ST
RAMSEY NJ 07446-1925

FOLD HERE

<p>NEIL GUERRIERO 3473040176 TRANSCEND WIRELESS 10 INDUSTRIAL AVE MAHWAH NJ 07430</p> <p>SHIP TO: SEAN KIMBALL TOWN MANAGER 84 SOUTH MAIN STREET CHESHIRE CT 06410</p>	<p>LTR</p> <p>1 OF 1</p> <p>CT 067 9-04</p>  	<p>UPS NEXT DAY AIR SAVER 1P</p> <p>TRACKING #: 1Z V25 742 13 9809 4511</p>		<p>BILLING: P/P</p> <p>Reference #1: CT11308D Reference #2: Manager</p> <p>™</p> <p><small>NV45 29.0A 07/2021* XOL 21.06.14</small></p>
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Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1ZV257421398094511

Service

UPS Next Day Air Saver®

Shipped / Billed On

07/15/2021

Delivered On

07/22/2021 10:35 A.M.

Delivered To

84 S MAIN ST
CHESHIRE, CT, 06410, US

Received By

DONNA

Left At

Inside Delivery

Reference Number(s)

MANAGER, CT11308D

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 07/26/2021 8:41 A.M. EST

View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. GETTING YOUR SHIPMENT TO UPS

Customers with a scheduled Pickup

- Your driver will pickup your shipment(s) as usual.

Customers without a scheduled Pickup

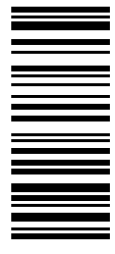
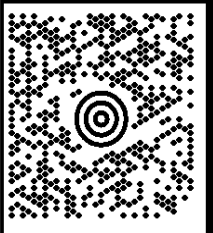
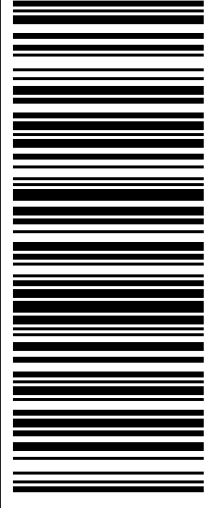

- Schedule a Pickup on [ups.com](https://www.ups.com) to have a UPS driver pickup all of your packages.
- Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at [ups.com](https://www.ups.com).

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THE UPS STORE
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RAMSEY NJ 07446-1925

FOLD HERE

<p>NEIL GUERRIERO 3473040176 TRANSCEND WIRELESS 10 INDUSTRIAL AVE MAHWAH NJ 07430</p> <p>SHIP TO: WILLIAM VOELKER TOWN OF CHESHIRE 84 SOUTH MAIN STREET CHESHIRE CT 06410</p> <p>LTR</p> <p>1 OF 1</p>	<p>CT 067 9-04</p>  	<p>UPS NEXT DAY AIR SAVER 1P</p> <p>TRACKING #: 1Z V25 742 13 9714 4521</p>		<p>BILLING: P/P</p> <p>Reference #1: CT11308D Reference #2: Planning XOL 21.06.14 NV45 29.0A 07/2021*</p> 
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Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1ZV257421397144521

Service

UPS Next Day Air Saver®

Shipped / Billed On

07/15/2021

Delivered On

07/22/2021 10:35 A.M.

Delivered To

84 S MAIN ST
CHESHIRE, CT, 06410, US

Received By

DONNA

Left At

Inside Delivery

Reference Number(s)

PLANNER, CT11308D

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 07/26/2021 8:41 A.M. EST

View/Print Label

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3. GETTING YOUR SHIPMENT TO UPS

Customers with a scheduled Pickup

- Your driver will pickup your shipment(s) as usual.

Customers without a scheduled Pickup

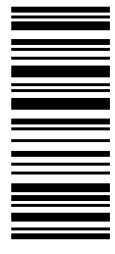
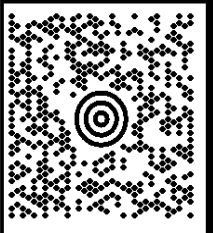
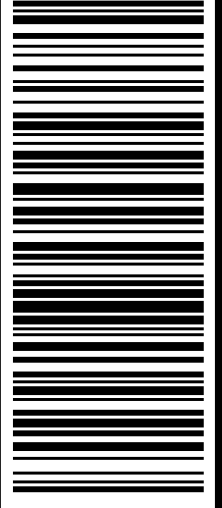

- Schedule a Pickup on ups.com to have a UPS driver pickup all of your packages.
- Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

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RAMSEY NJ 07446-1925

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<p>NEIL GUERRIERO 3473040176 TRANSCEND WIRELESS 10 INDUSTRIAL AVE MAHWAH NJ 07430</p> <p>SHIP TO: GEENA DEROJAS 5612269510 SBA COMMUNICATIONS CORPORATION 8051 CONGRESS AVENUE BOCA RATON FL 33487</p>	<p>FL 332 6-07</p>  	<p>UPS NEXT DAY AIR SAVER 1P</p> <p>TRACKING #: 1Z V25 742 13 9621 4537</p>		<p>BILLING: P/P</p> <p>Reference #1: CT11308D Reference #2: SBA</p>  <p><small>NV45 29.0A 07/2021* XOL 21.06.14</small></p>
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Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1ZV257421396214537

Service

UPS Next Day Air Saver®

Shipped / Billed On

07/15/2021

Delivered On

07/23/2021 11:56 A.M.

Delivered To

8051 CONGRESS AVE
BOCA RATON, FL, 33487, US

Received By

MILLER

Left At

Dock

Reference Number(s)

SBA, CT11308D

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 07/26/2021 8:40 A.M. EST