



July 26, 2021

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

RE: Notice of Exempt Modification
150 Yale Avenue, New Haven, CT 06520 (also known as 274 Derby Avenue)
Latitude: 41.31377000
Longitude: -72.95955900
T-Mobile Site#: CT11333D - Hardening

Dear Ms. Bachman:

T-Mobile currently maintains three (3) antennas at the 85-foot level of the existing 90-foot flagpole at 150 Yale Avenue, New Haven, CT. The 90-foot flagpole and property is owned by Yale University. 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
- (1) 10' x 4' Concrete Pad (within compound)

The City of New Haven was unable to find records of the original approval of this facility. A copy of the email correspondence with the city is enclosed.

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 Mayor Justin Elicker, Elected Official, and Aicha Woods, Executive Director of the City Plan Department of the City of New Haven, as well as the 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,

Kyle Richers

Transcend Wireless

Cell: 908-447-4716

Email: krichers@transcendwireless.com

Attachments

cc: Justin Elicker – Mayor of City of New Haven

Aicha Woods – Executive Director of City Plan Department

Yale University - Owner

Kyle Richers

From: UPS <pkginfo@ups.com>
Sent: Tuesday, July 27, 2021 9:54 AM
To: KRICHERS@TRANSCENDWIRELESS.COM
Subject: UPS Delivery Notification, Tracking Number 1ZV257424297894710



Hello, your package has been delivered.

Delivery Date: Tuesday, 07/27/2021

Delivery Time: 9:51 AM

Left At: FRONT DESK

Signed by: SECURITY

TRANSCEND WIRELESS

Tracking Number: [1ZV257424297894710](#)

Ship To: CITY OF NEW HAVEN
165 CHURCH STREET
5TH FLOOR
NEW HAVEN, CT 06510
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CT11333D CSC ZO



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Kyle Richers

From: UPS <pkginfo@ups.com>
Sent: Tuesday, July 27, 2021 9:56 AM
To: KRICHERS@TRANSCENDWIRELESS.COM
Subject: UPS Delivery Notification, Tracking Number 1ZV257424298464709



Hello, your package has been delivered.

Delivery Date: Tuesday, 07/27/2021

Delivery Time: 9:53 AM

Left At: FRONT DESK

Signed by: ID Verified

TRANSCEND WIRELESS

Tracking Number: [1ZV257424298464709](#)

Ship To: CITY OF NEW HAVEN
165 CHURCH STREET
NEW HAVEN, CT 06510
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CT11333D CSC EO



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Please do not reply directly to this email. UPS will not receive any reply message.

Kyle Richers

From: UPS <pkginfo@ups.com>
Sent: Tuesday, July 27, 2021 12:56 PM
To: KRICHERS@TRANSCENDWIRELESS.COM
Subject: UPS Delivery Notification, Tracking Number 1ZV257424299054696



Hello, your package has been delivered.

Delivery Date: Tuesday, 07/27/2021

Delivery Time: 12:55 PM

Left At: RESIDENTIAL

Signed by: CD GUARD

TRANSCEND WIRELESS

Tracking Number: [1ZV257424299054696](#)

Ship To: YALE UNIVERSITY
2 WHITNEY AVENUE
7TH FLOOR
NEW HAVEN, CT 06510
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CT11333D CSC OWNER



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150 YALE AV

Location

150 YALE AV

Mblu

377/ 1079/ 00120/ /

Acct#

377 1079 00120

Owner

YALE UNIVERSITY

Assessment

\$61,491,080

Appraisal

\$87,844,400

PID

23838

Building Count

2

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$85,708,100	\$2,136,300	\$87,844,400
Assessment			
Valuation Year	Improvements	Land	Total
2019	\$59,995,670	\$1,495,410	\$61,491,080

Owner of Record

Owner

YALE UNIVERSITY

Sale Price

\$0

Co-Owner

Certificate

Address

YALE U CONTROLLER FRA
PO BOX 208372
NEW HAVEN, CT 06520-8372

Book & Page

Sale Date

Instrument

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
YALE UNIVERSITY	\$0				

Building Information

Building 1 : Section 1

Year Built:

1913

Living Area:

302,262

Replacement Cost:

\$136,704,035

Building Percent Good:

60

Replacement Cost

Less Depreciation:

\$82,022,400

Building Attributes

Field	Description
Style:	Stadium
Model	Ind/Lg Com
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Reinforc Concr
Exterior Wall 2	Drivit
Roof Structure	Reinforc Concr
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Dirt/None
Interior Floor 2	Concr-Finished
Heating Fuel	None
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	STADIUMS
Total Rooms	
Total Bedrms	00
Total Baths	0
NBHD Code	
1st Floor Use:	3650
Heat/AC	NONE
Frame Type	REINF. CONCR
Baths/Plumbing	LIGHT
Ceiling/Wall	NONE
Rooms/Prtns	ABOVE AVERAGE
Wall Height	48.00
% Comn Wall	

Building 2 : Section 1

Year Built:	2010
Living Area:	6,239
Replacement Cost:	\$3,074,255
Building Percent Good:	96
Replacement Cost	
Less Depreciation:	\$2,951,300

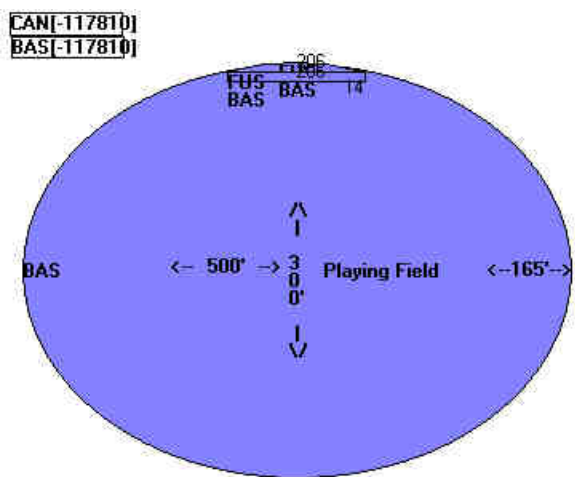
Building Attributes : Bldg 2 of 2	
Field	Description
Style:	Stadium

Building Photo



(<http://images.vgsi.com/photos/NewHavenCTPhotos/\00\04\91\80.JPG>)

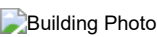
Building Layout



(http://images.vgsi.com/photos/NewHavenCTPhotos//Sketches/23838_282)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	297,689	297,689
FUS	Finished Upper Story	4,814	4,573
CAN	Canopy	0	0
		302,503	302,262

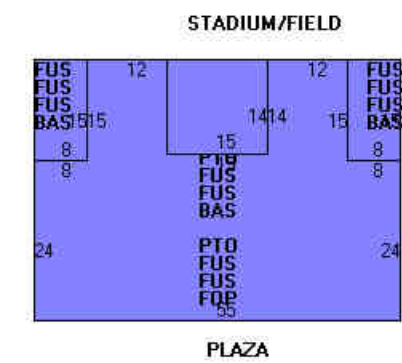
Building Photo



(<http://images.vgsi.com/photos/NewHavenCTPhotos//default.jpg>)

Model	Commercial
Grade	Average
Stories:	3.5
Occupancy	1.00
Exterior Wall 1	Stucco
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Custom
Interior Wall 1	Drywall/Plaste
Interior Wall 2	Minim/Masonry
Interior Floor 1	Ceram Clay Til
Interior Floor 2	Vinyl/Asphalt
Heating Fuel	Gas/Oil
Heating Type	FA/HW/ST
AC Type	Central
Struct Class	
Bldg Use	PVT COLL MDL-96
Total Rooms	
Total Bedrms	
Total Baths	
NBHD Code	
1st Floor Use:	
Heat/AC	HEAT/AC PKGS
Frame Type	STEEL
Baths/Plumbing	ABOVE AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	ABOVE AVERAGE
Wall Height	14.00
% Comn Wall	

Building Layout



(http://images.vgsi.com/photos/NewHavenCTPhotos//Sketches/23838_104

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Finished Upper Story	4,530	4,304
BAS	First Floor	1,935	1,935
FOP	Open Porch	210	0
PTO	Patio	1,905	0
		8,580	6,239

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
ELV2	PASS ELEV	4.00 STOPS	\$119,000	2

Land

Land Use		Land Line Valuation	
Use Code	904L	Size (Acres)	10.4
Description	PVT COLL MDL-96	Frontage	0
Zone	RM1	Depth	0

Neighborhood

N

Alt Land Appr

No

Category

Assessed Value

\$1,495,410

Appraised Value

\$2,136,300

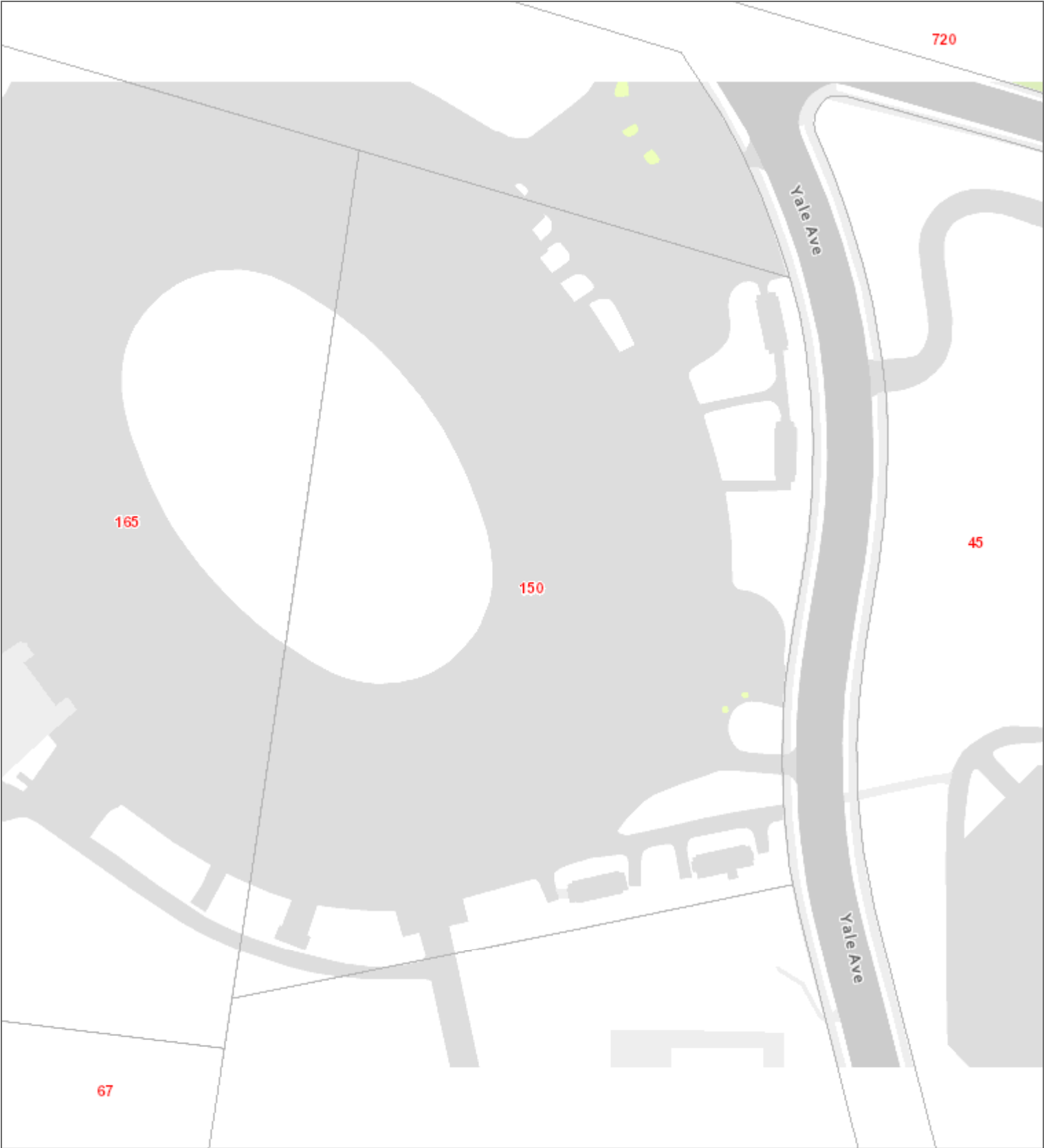
Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
OTH	OTHER			70000.00 S.F.	\$367,500	1
SHP2	WORK SHOP GOOD			1544.00 S.F	\$19,300	1
BHS1	OIL STGE BBL			5120.00 S.F.	\$199,700	1
FGR1	GARAGE-AVE			1200.00 S.F.	\$21,000	1
FN3	FENCE-6' CHAIN			1260.00 L.F.	\$7,900	1


Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$85,708,100	\$2,136,300	\$87,844,400
2018	\$85,708,100	\$2,136,300	\$87,844,400
2017	\$85,708,100	\$2,136,300	\$87,844,400

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$59,995,670	\$1,495,410	\$61,491,080
2018	\$59,995,670	\$1,495,410	\$61,491,080
2017	\$59,995,670	\$1,495,410	\$61,491,080



Legend

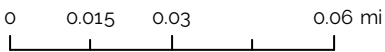
 New Haven Parcels

MY MAP

This map is for reference purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The City of New Haven assumes no legal responsibility for the information contained herein.



Date: 8/3/2021



Kyle Richers

From: Carol Casanova <CCasanova@newhavenct.gov>
Sent: Monday, July 26, 2021 8:47 AM
To: krichers@transcendwireless.com
Cc: Aicha Woods
Subject: RE: Original Approval for T-Mobile Facility at 150 Yale Avenue (CT11333D)

City Plan does not have requested information

Carol Casanova
Executive Administrative Assistant
City Plan Department
165 Church Street
New Haven, CT 06510
203-946-6379
<https://www.newhavenct.gov/gov/depts/planning/default.htm>

From: Aicha Woods <AWoods@newhavenct.gov>
Sent: Thursday, July 22, 2021 5:30 PM
To: Carol Casanova <CCasanova@newhavenct.gov>
Subject: FW: Original Approval for T-Mobile Facility at 150 Yale Avenue (CT11333D)

Carol can you help with records request below?
Thanks!
Aicha

From: Kyle Richers <krichers@transcendwireless.com>
Sent: Thursday, July 22, 2021 3:04 PM
To: Aicha Woods <AWoods@newhavenct.gov>
Subject: RE: Original Approval for T-Mobile Facility at 150 Yale Avenue (CT11333D)

Please be cautious

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

Following up on my inquiry below. Please advise when you get a chance. Let me know if you have any questions.

Kyle Richers
Transcend Wireless
10 Industrial Ave., Suite 3
Mahwah, New Jersey 07430
908-447-4716
krichers@transcendwireless.com

From: Kyle Richers <krichers@transcendwireless.com>

Sent: Wednesday, July 21, 2021 11:16 AM

To: AWoods@newhavenct.gov

Subject: Original Approval for T-Mobile Facility at 150 Yale Avenue (CT11333D)

Good Morning,

I just left a voicemail with the planning office, but I figured I would send out an email as well. I am preparing a filing with the Connecticut Siting Council for a generator installation at the existing T-Mobile facility at 150 Yale Avenue (Flagpole Structure). The CSC did not originally approve this facility so I assume an approval came from the City of New Haven. This would have been around 2000/2001 when the facility was constructed. Can you check to see if there is any records on this so I can include the documentation in the filing? And if not, can you confirm via email there is no record of such approval?

Thanks,

Kyle Richers

Transcend Wireless

10 Industrial Ave., Suite 3

Mahwah, New Jersey 07430

908-447-4716

krichers@transcendwireless.com

DESIGN BASIS

1. DESIGN CRITERIA:

- ## SITE NOTES

- ### GENERAL NOTES

- DATE: 01/14/21

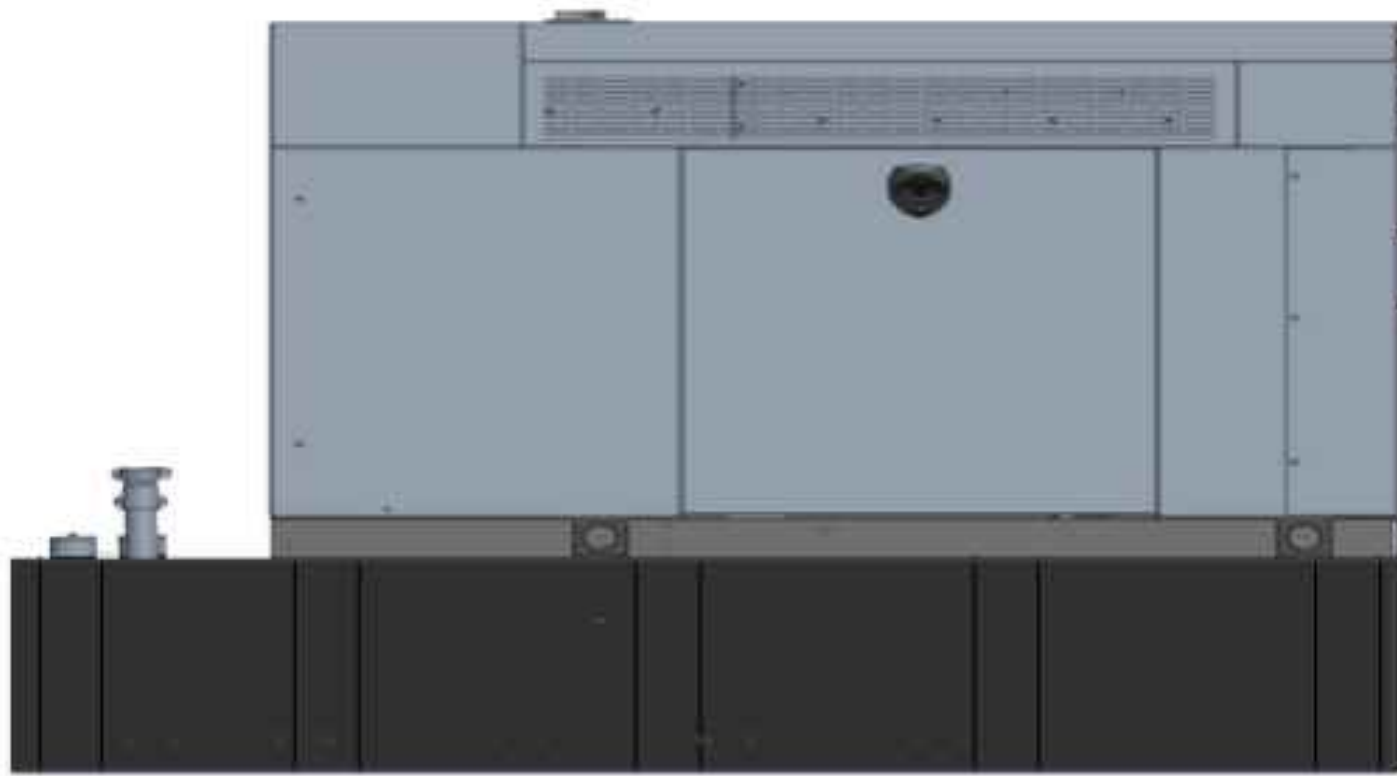
SCALE: AS NOTED

JOB NO.	21003.01
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GENERAL NOTES AND SPECIFICATIONS

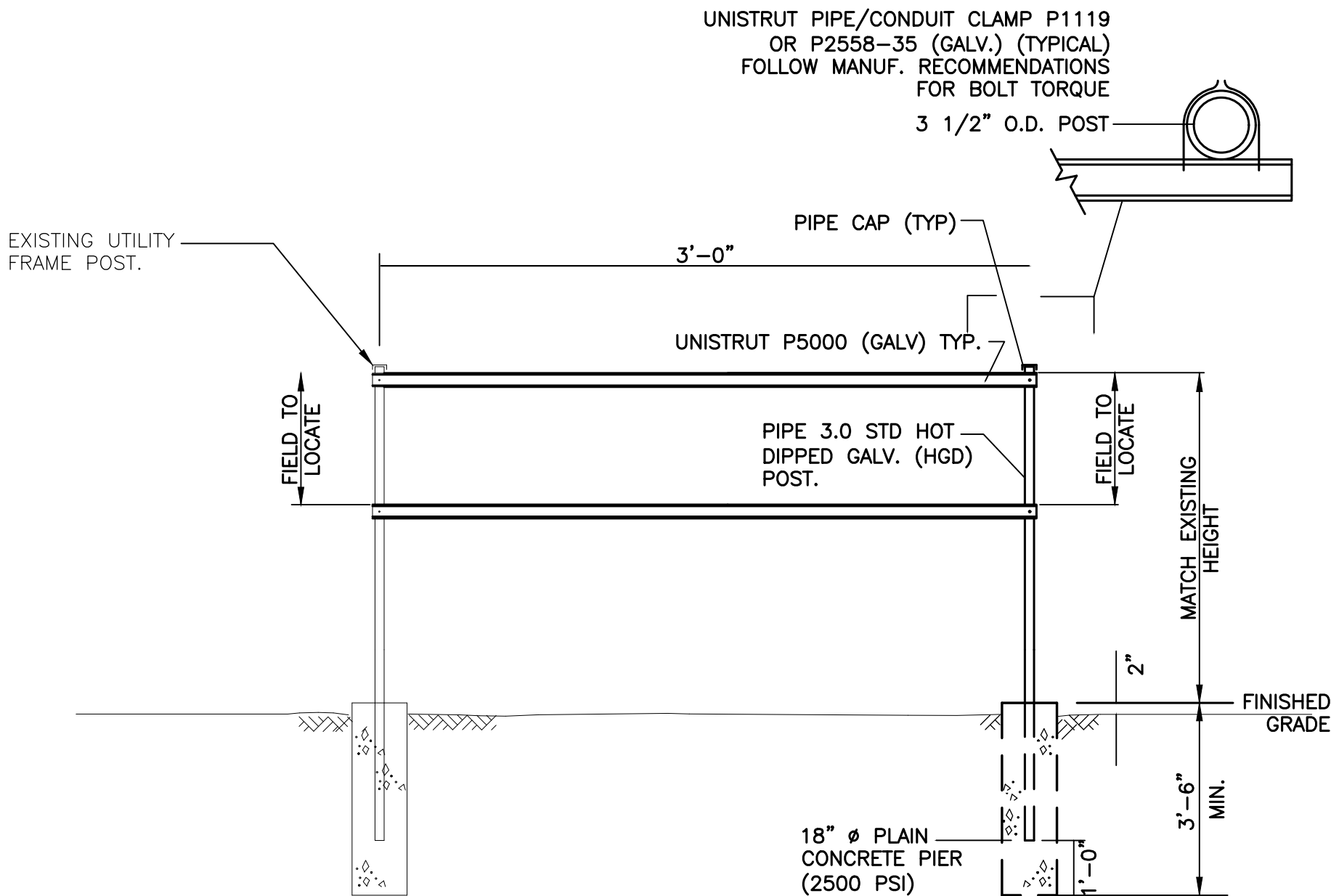
N-1

Sheet No. 2 of 5

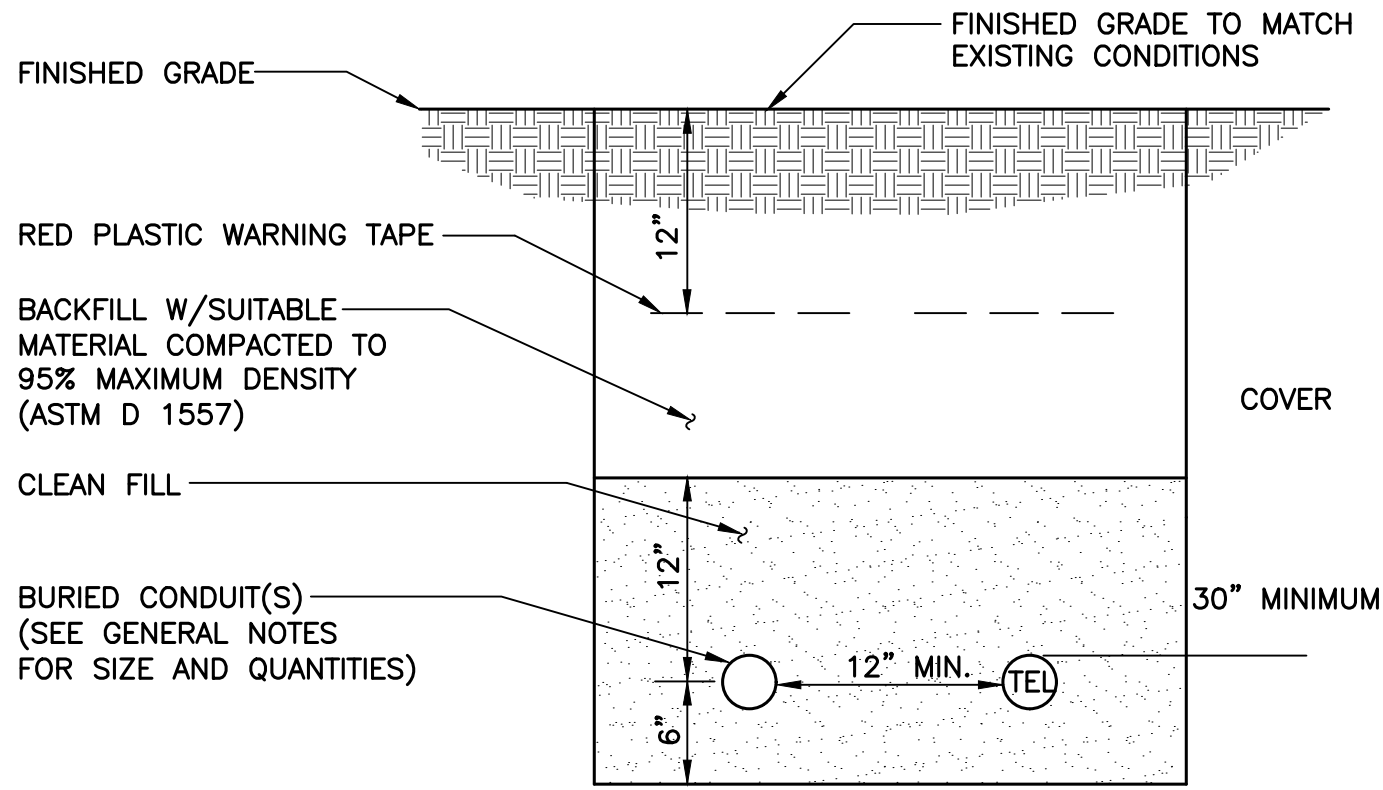


BACKUP POWER GENERATOR						
EQUIPMENT	POWER GENERATED	FUEL	MODEL NUMBER	FUEL TANK SIZE (GAL.)	DIMENSIONS	WEIGHT
MAKE: GENERAC MODEL: RD025	25 KW, AC	DIESEL	7192-0	240	103.4"L x 35.0"W x 91.7"H	2123 LBS.
NOTES: 1. FUEL LEVEL/SECONDARY CONTAINMENT SHALL BE ALARMED AND IN COMMUNICATION WITH T-MOBILE'S NOC. 2. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION AND ALL OPTIONAL FEATURES WITH T-MOBILE'S CONSTRUCTION MANAGER PRIOR TO ORDERING.						

1
C-2 **PROPOSED GENERATOR DETAIL**
SCALE: NOT TO SCALE

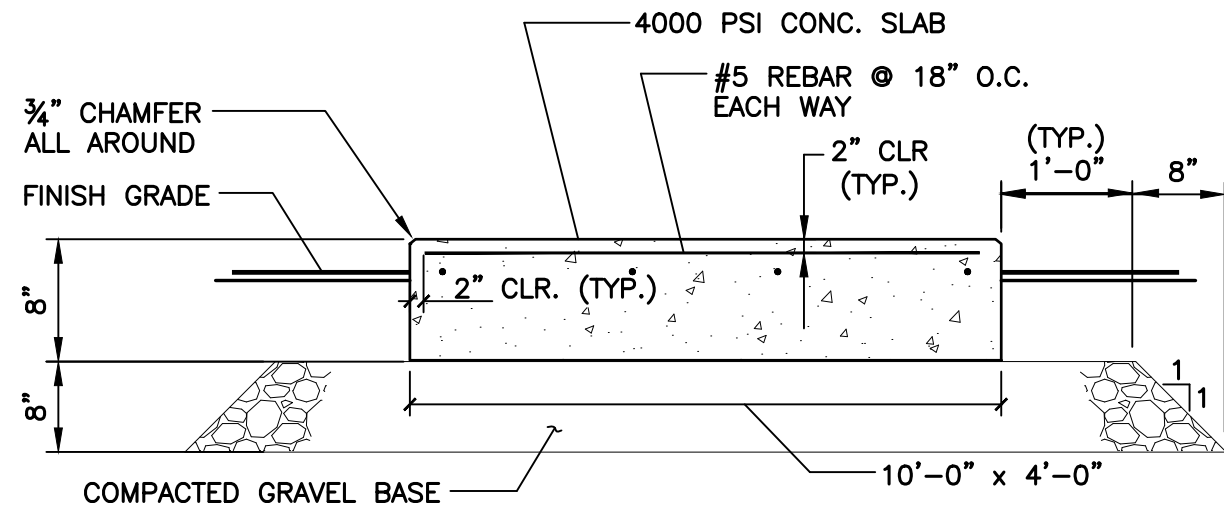


3
C-2 **UTILITY SUPPORT FRAME (TYP)**
NOT TO SCALE



- NOTES:**
1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
 2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

2
C-2 **TYPICAL ELECTRICAL/TEL TRENCH DETAIL**
SCALE: NOT TO SCALE



4
C-2 **TYPICAL CONCRETE PAD DETAIL**
NOT TO SCALE

T-MOBILE NORTHEAST LLC		DATE: 01/14/21	
WIRELESS COMMUNICATIONS FACILITY		SCALE: AS NOTED	
NEW HAVEN/RT10/RT24		JOB NO. 21003.01	
SITE ID: CT11333D		TYPICAL DETAILS	
150 YALE AVENUE		C-2	
NEW HAVEN, CT 06520		Sheet No. 4 of 5	

CENTEK engineering
Centered on Solutions
(203) 488-0380
(203) 488-8587 Fax
652 North Branford Road
Branford, CT 06405
www.CentekEng.com

T-Mobile
T-Mobile Wireless

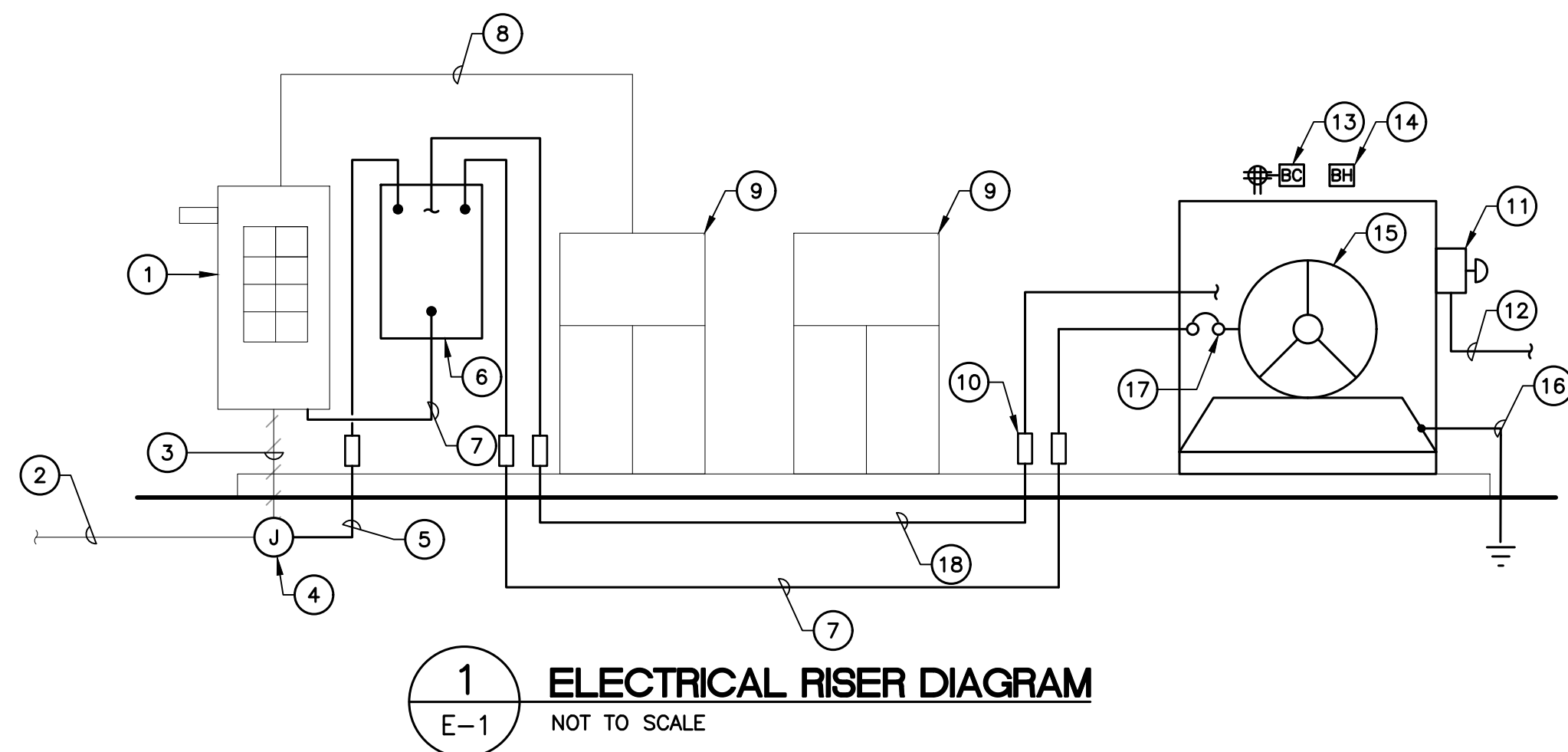
PROFESSIONAL ENGINEER SEAL
STATE OF CONNECTICUT
JAMES J. CENTEK
03/01/21
DATE
0
REV.
TJR
DRAWN BY
RTS
CHECKED BY
CONSTRUCTION DOCUMENTS - ISSUED FOR CONSTRUCTION

RISER DIAGRAM NOTES

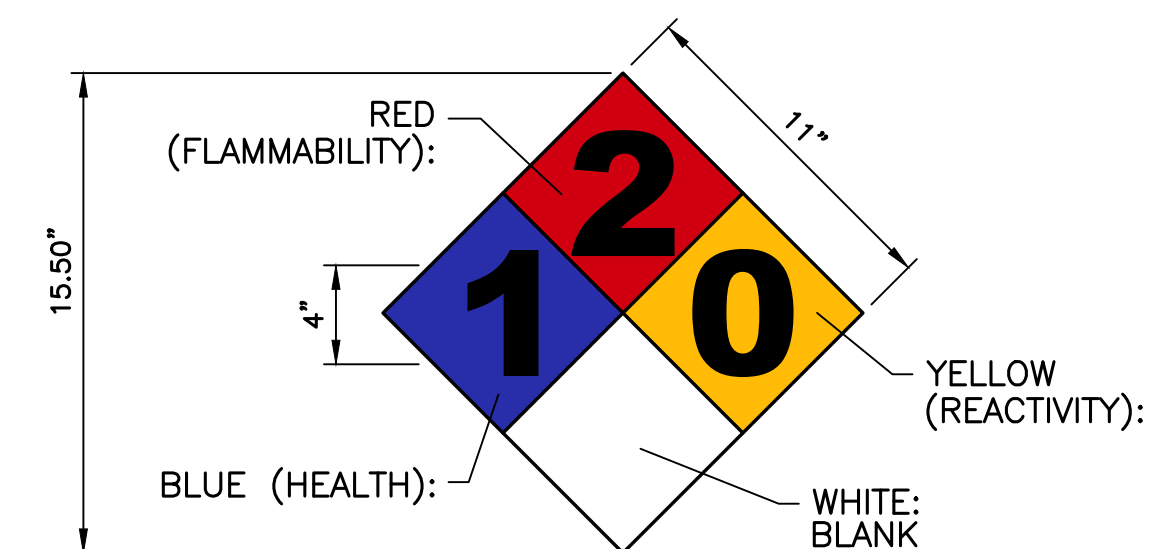
- (1) EXISTING PPC CABINET TO REMAIN.
- (2) EXISTING POWER CONDUIT AND CONDUCTORS PREVIOUSLY SERVING EXISTING PANEL.
- (3) SECTION OF CONDUIT AND CONDUCTORS TO BE REMOVED.
- (4) JUNCTION BOX SIZED PER NEC.
- (5) EXTEND EXISTING CONDUITS AND CONDUCTORS TO NEW ATS.
- (6) NEW 200A, 2 SOURCE AUTOMATIC TRANSFER 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 PER 2019 NFPA 110 5.6.5.6.1.
- (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.



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



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:	<ol style="list-style-type: none"> 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.



T-MOBILE NORTHEAST LLC

WIRELESS COMMUNICATIONS FACILITY

NEW HAVEN/RT10/RT24

SITE ID: CT11333D

150 YALE AVENUE

NEW HAVEN, CT 06520

DATE:	01/14/21
SCALE:	AS NOTED
JOB NO.	21003.01

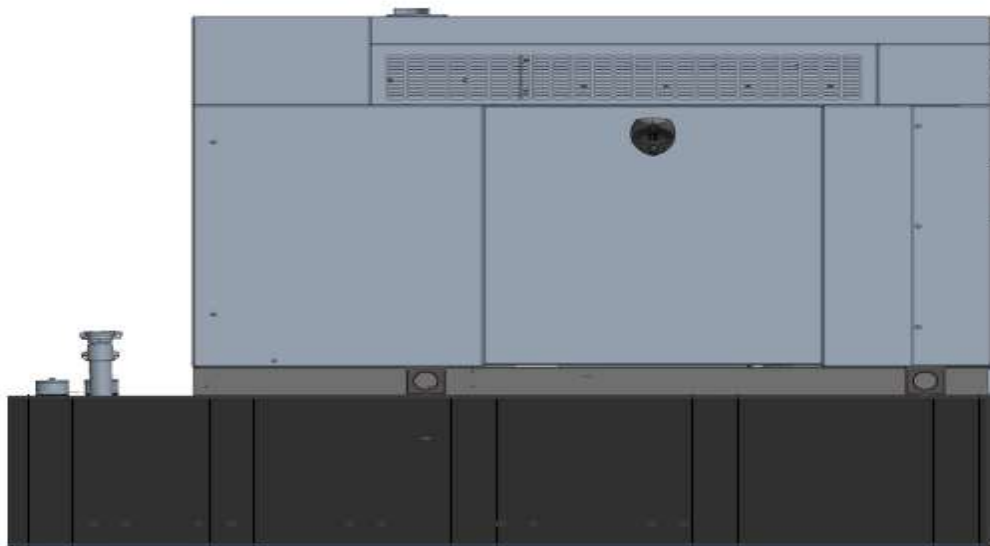
ELECTRICAL DETAILS

E-1

Sheet No. 5 of 5

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 (nnnnnn 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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4.1	Interfaces and Alarming	7
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6	Configuration/Diagrams	9
7	Maintenance.....	14

1 Introduction / Project Summary

1.1 Purpose of Project

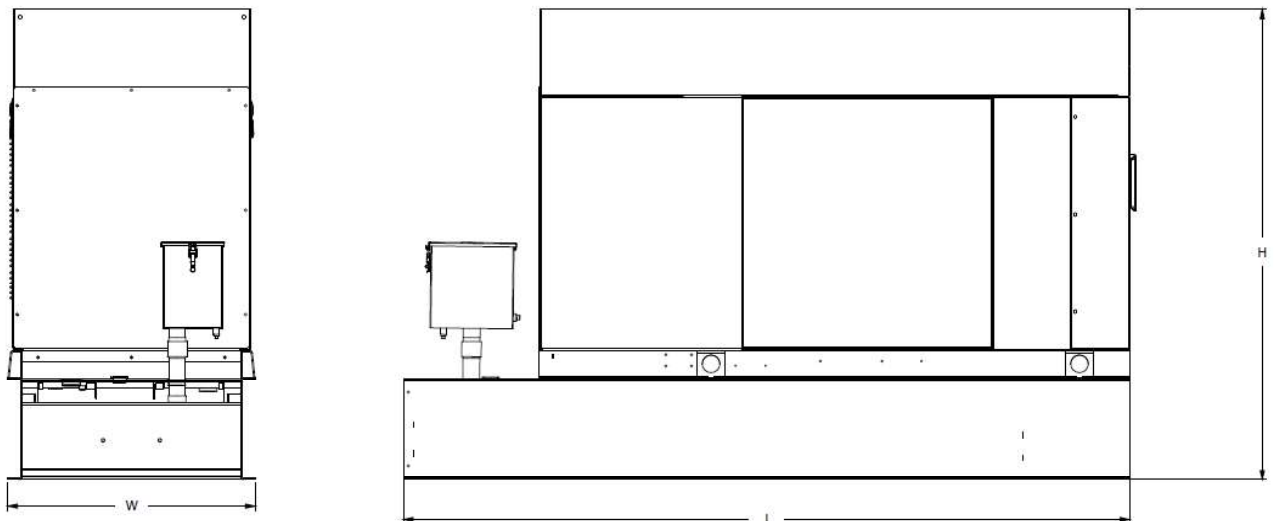
T-Mobile's nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer 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 $\pm 0.25\%$ 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.

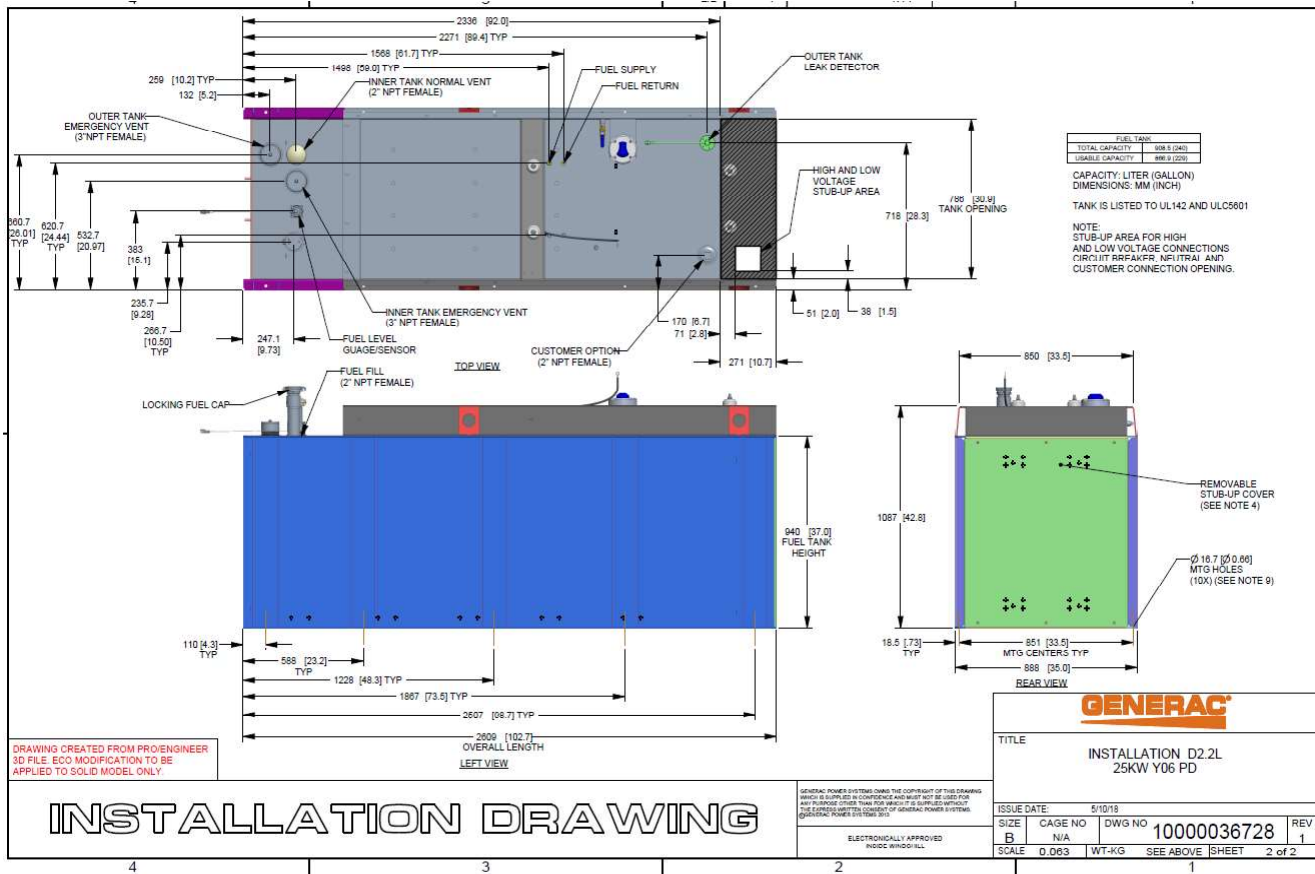


Weights and Dimensions

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 Evolution controller. The sites considered for the RD025 should not have a DC power consumption above 20kW

[Link](#)

[Link](#)

[Link](#)

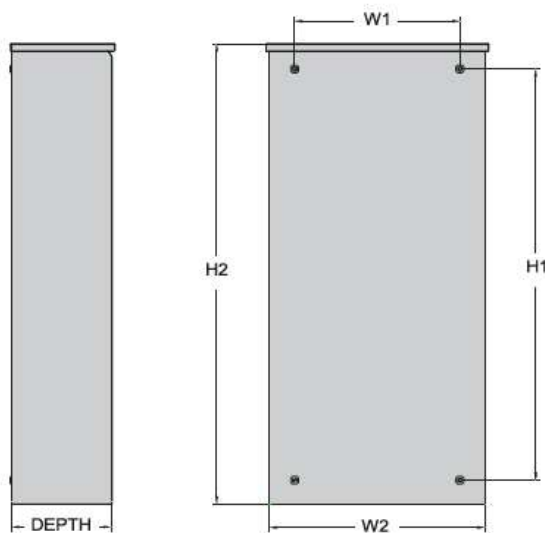
[Link](#)



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.

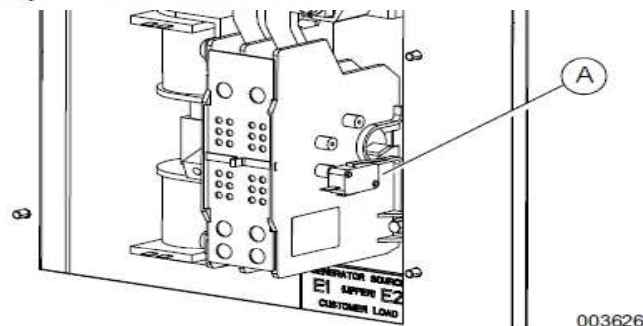


Figure 3-4. Auxiliary Contact

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.

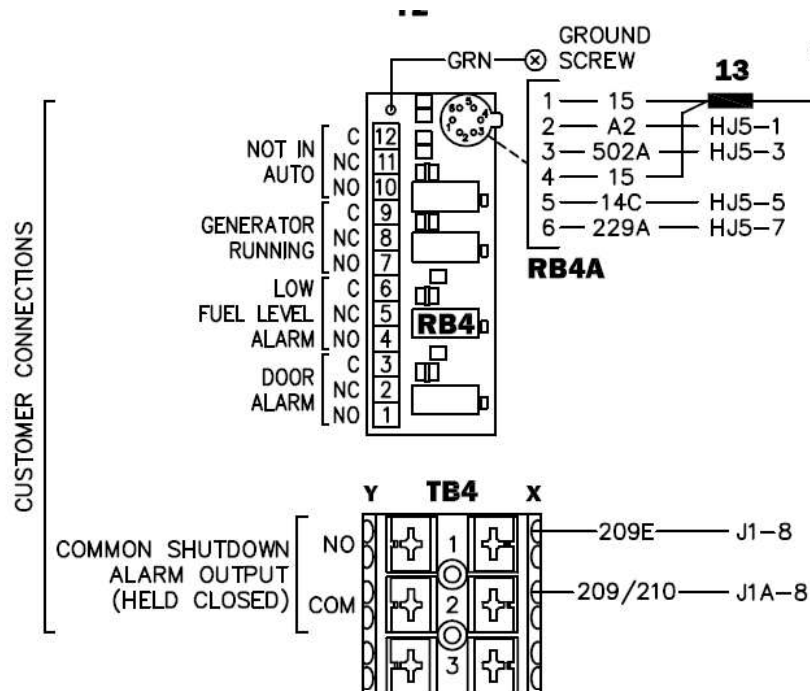
CAUTION

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

Product no

UTOVP-ALM8EXP

NFD30234/08

RPM777143/01200

OVP Expansion Kit for 8 External Alarms Qty

Denomination

OVP Expansion Kit for 8 External Alarms 1

OVERVOLTAGE ARRESTER/OVP-ALM 8 1

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

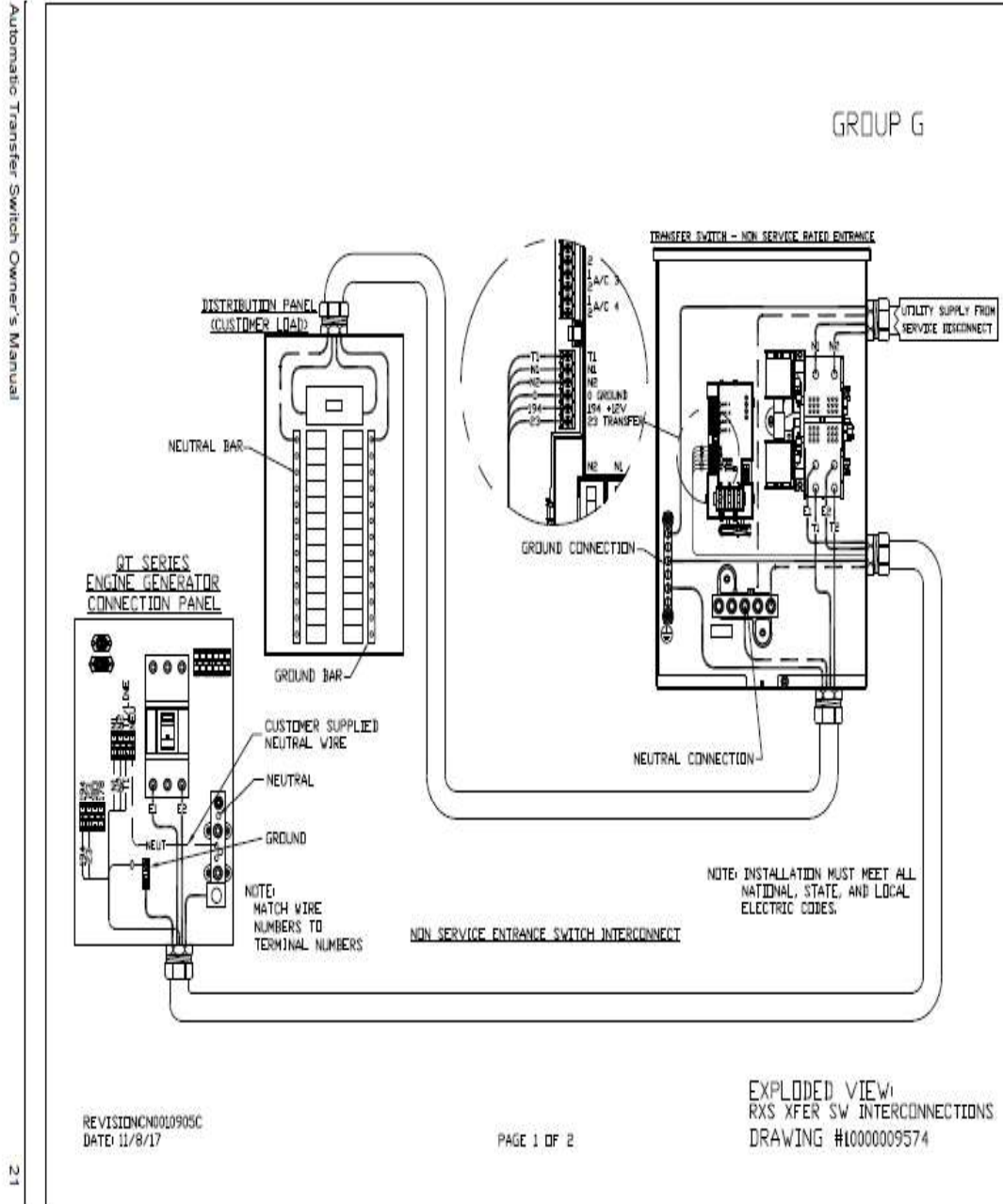
Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

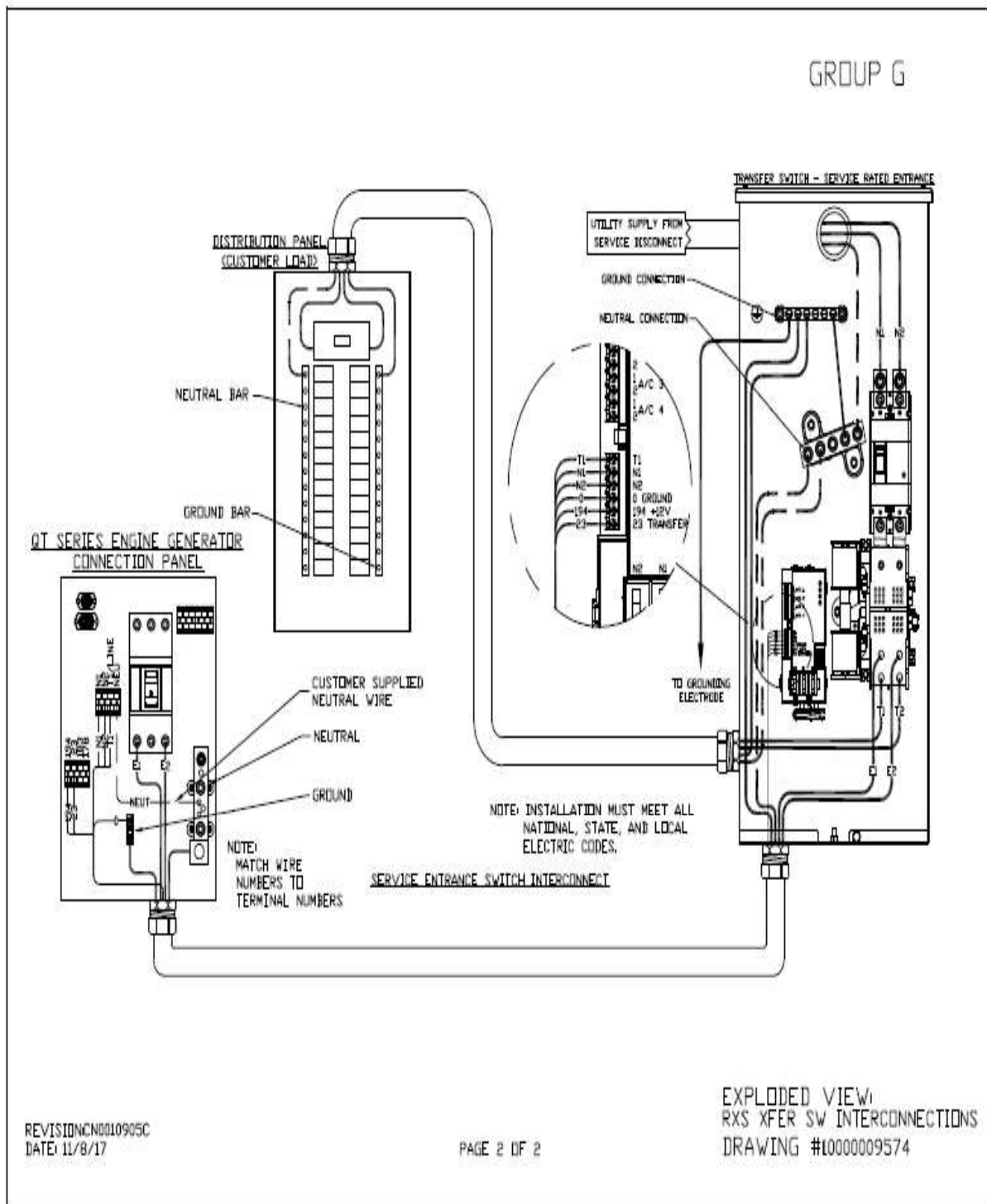
6 Configuration/Diagrams

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.

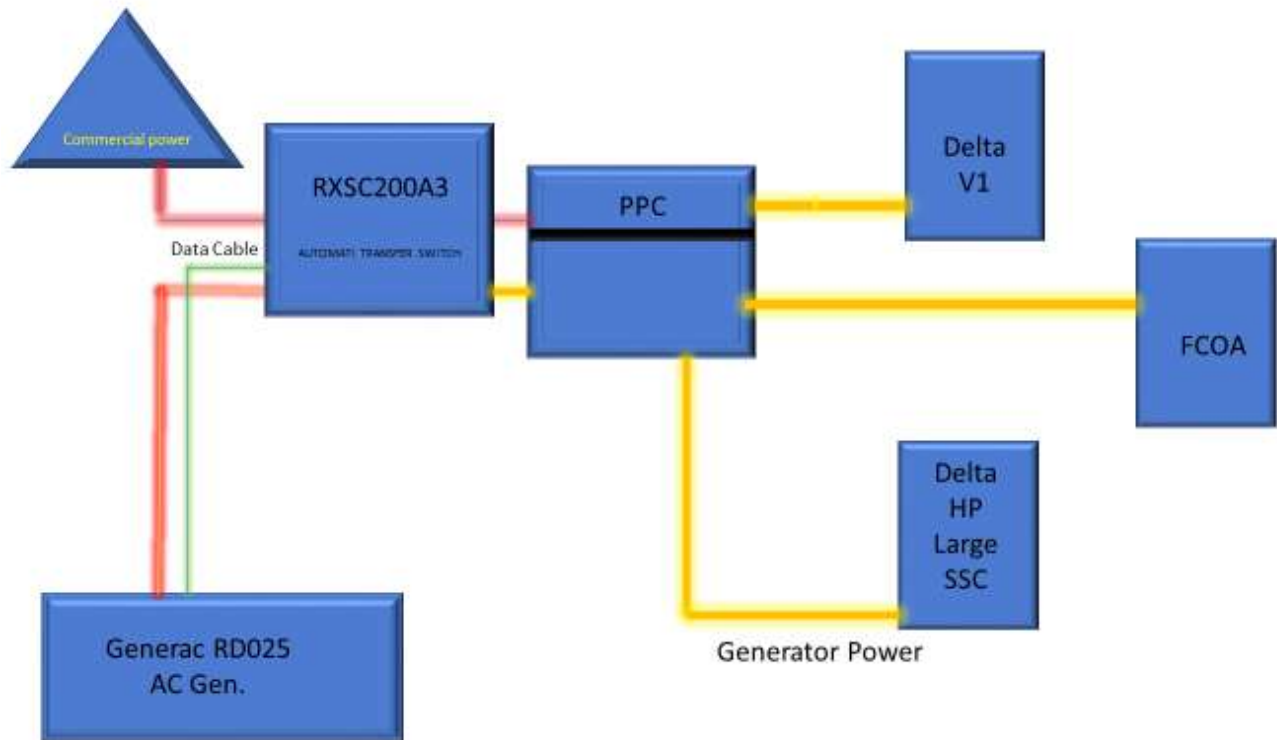
Commercial Power Connection Points On The RXSC200A3

Interconnection Drawings
No. 10000009574 (Part 1 of 2)—Liquid-Cooled Generator





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.