



MINOR SITE PLAN APPLICATION
City of Rochester, New Hampshire

Date: 11/15/21

Property information

Tax map #: 0243; Lot #'s: 0062; Zoning district: Office Commerical

Property address/location: 155 Rochester Hill Road

Brief project description: Installation of a standby diesel generator to support T-Mobile wireless equipment in case of power outage

Property owner

Name (include name of individual): City of Rochester

Mailing address: 31 Wakefield Street, Rochester, NH 03867

Telephone #: (603) 335-7500 Email address: _____

Applicant/developer (if different from property owner)

Name (include name of individual): Michael Azzalina on behalf of T-Mobile

Mailing address: 205 Brentwood Circle, North Andover, MA 01845

Telephone #: 617-631-2017 Email address: michael.azzalina@smartlinkgroup.com

Engineer/surveyor/designer (if applicable)

Name (include name of individual): Daniel P. Hamm

Mailing address: 45 Beechwood Drive North Andover, MA 01845

Telephone #: 978-557-5553 Email address: _____

Check one:

- ☒ Nonresidential project ☐ Home Occupation II or III
☐ Multi-Family Residential project

Check all that apply:

- ☐ change of use ☐ new building ☒ building addition
☐ new parking area ☐ expansion of existing parking area
☐ new signage; ☐ exterior lighting ☐ other site changes

Describe current use/nature of property: wireless telecommunications facility

Describe proposed use/activity: installation of standby diesel generator to support T-Mobile wireless facility in case of power outage

parking spaces: existing: _____; total proposed: _____

Current square footage of building 300 Leased; Proposed square footage of building No Change

City water? yes x no _____; How far is City water from the site? _____

City sewer? yes x no _____; How far is City sewer from the site? _____

If City water, what are the estimated total daily needs? N/a gallons per day

Where will stormwater be discharged? N/a

Number of existing dwelling units: N/a Total number of proposed dwelling units: N/a

New building(s)? Generator on 4 x 10 concrete pad Addition(s)/modifications to existing building(s)? Yes

Describe current use/nature of property: wireless telecommunications facility

Describe proposed use/activity: installation of standby diesel generator to support T-Mobile wireless facility in case of power outage

of parking spaces: existing: _____ total proposed: _____

Hours of Operation: _____ Days of Operation: _____

Number of employees: _____ Square footage to be used for new proposed use: 40

Maximum Number of Pupils at one time (for classes): _____

Comments

Please feel free to add any comments, additional information, or requests for waivers here:

This application must be accompanied by the following:

- Site plan drawing with:
 - All building dimensions (including any additions, if applicable)
 - Parking areas or spaces with size, spaces, flow pattern, and drive aisles as applicable.
 - Location of proposed change of use/addition/home occupation.

Submission of application & acknowledgement about process

This application must be signed by the property owner, applicant/developer (if different from property owner), *and/or* the agent.

I (we) hereby submit this Site Plan application to the City of Rochester Planning Board pursuant to the City of Rochester Site Plan Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity. **I also acknowledge that this project could be referred to the Planning Board for a new, full Planning Board review at the request of any person after any Minor Site Approval and that I would need to renotify abutters in that case** (in accordance with RSA 674:43 III).

Signature of property owner: _____

Date: _____

Signature of applicant/developer: Nickel V. Argentin

Date: 11/15/21

Signature of agent: Nickel V. Argentin

Date: 11/15/21

Authorization to enter property

I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, post-approval phase, construction phase, and occupancy phase. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.

Signature of property owner: _____

Date: _____

Home Occupation: An occupation or business activity which is conducted by a resident within his/her own dwelling or in a garage or barn-type outbuilding and which is clearly subordinate to the principal residential use. Home occupations are designated as Home Occupations – 1,2,and 3. (See Section 42.24 – Home Occupations)

Requirements for All Home Occupations. The following standards apply to all home occupations – 1, 2, and 3: *(If any of these cannot be met, it will be deemed **not** an allowed use)*

1. On Resident's Property. Home occupations shall be conducted by the individual on the property in which he/she resides.
2. Inside the Dwelling. All activity related to the home occupation shall be conducted inside the dwelling or inside a garage or barn-type outbuilding.
3. Character. Home occupations must be subordinate to the residential use and must have little or no impact upon the neighborhood. There must be minimal indication of the home occupation evident from the road or from neighboring properties.
4. Retail Sales. There shall be no retail sales of goods or products on the premises, except:
 - a. as may be incidental to the primary office or personal services occupation (such as sales of hair products to a salon customer);
 - b. for goods shipped pursuant to mail/email/telecommunication order;

SITE NAME: BS035/WATER TANK ROCHESTER

155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SITE NUMBER: 4BS0035A
(GENERATOR ADD)

GENERAL NOTES

THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF T-MOBILE. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE T-MOBILE NORTHEAST, LLC REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



PROJECT SUMMARY

APPLICANT: T-MOBILE NORTHEAST, LLC
15 COMMERCE WAY, SUITE B
NORTON, MA 02766

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY T-MOBILE EQUIPMENT INSTALLATION

ZONING JURISDICTION: BASED ON INFORMATION PROVIDED BY T-MOBILE, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS AN ELIGIBLE FACILITY UNDER THE TAX RELIEF ACT OF 2012, 47 USC 1455(A), AND IS SUBJECT TO AN EXPEDITED ELIGIBLE FACILITIES REQUEST/REVIEW AND ZONING PRE-EMPTION FOR LOCAL DISCRETIONARY PERMITS (VARIANCE, SPECIAL PERMIT, SITE PLAN REVIEW).

SITE ADDRESS: 155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867

LATITUDE: 43° 17' 08.52" N (43.285700 N)

LONGITUDE: 70° 56' 27.24" W (70.940900 W)

JURISDICTION: CITY OF ROCHESTER

EXISTING USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY

APPROVALS

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

72 HOURS



CALL
BEFORE YOU DIG



CALL TOLL FREE 1-888-DIG-SAFE
OR CALL 811

UNDERGROUND SERVICE ALERT

DRAWING INDEX

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T-MOBILE NORTHEAST LLC

15 COMMERCE WAY, SUITE B
NORTON, MA 02766
OFFICE (508) 256-2700
FAX: (508) 256-2893



SMARTLINK
1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
ANNAPOLIS, MD 21401



45 REEDWOOD DRIVE TEL: (703) 537-5553
H. ANDOVER, MA 01845 FAX: (703) 338-5586



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	10/27/21	ISSUED FOR CONSTRUCTION	VD
2	10/16/21	ISSUED FOR REVIEW	KGB

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SHEET TITLE

TITLE SHEET
(GENERATOR PROJECT)

SHEET NUMBER

T-1

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81 STANDARDS) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - SMARTLINK
SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
OWNER - T-MOBILE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN

CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
 15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 35 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
 16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF T-MOBILE SITES."
 17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
 19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
 20. APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
BUILDING CODE: IBC 2015 WITH NEW HAMPSHIRE AMENDMENTS
ELECTRICAL CODE: NEC 2017
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
- AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL
- EQUIPMENT AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTWC	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCIEVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE (ANTENNA)	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFERENCE		

T-MOBILE NORTHEAST LLC

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NORTH 00000
OFFICE: (208) 286-2100
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435 MECHANWOOD DRIVE
H. ANDOVER, MA 01845
TEL: (978) 657-5353
FAX: (978) 335-5356



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	10/27/21	ISSUED FOR CONSTRUCTION	VD
0	10/16/21	ISSUED FOR REVIEW	K33M

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

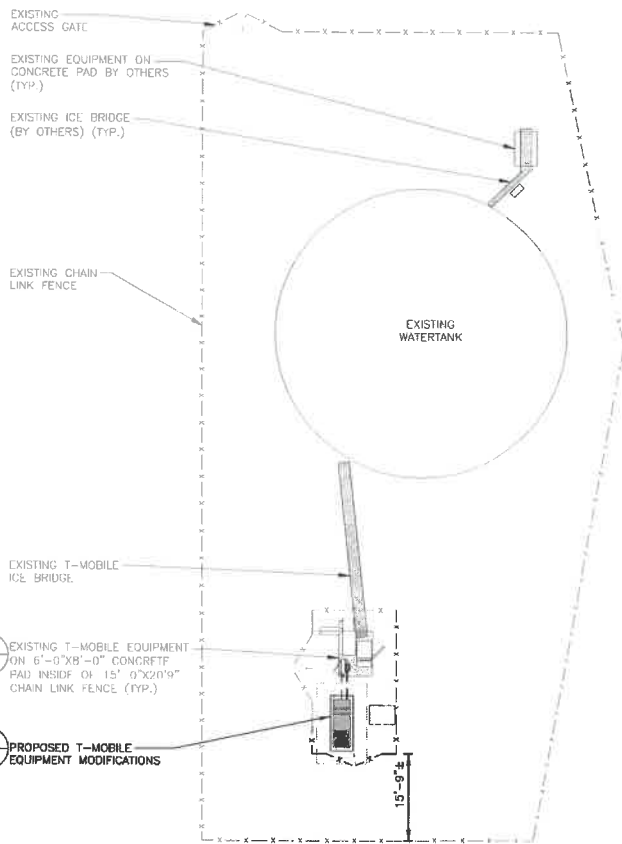
SHEET TITLE

GENERAL NOTES

(GENERATOR PROJECT)

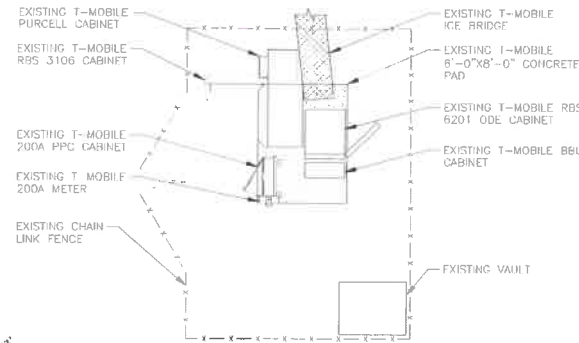
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GN-1



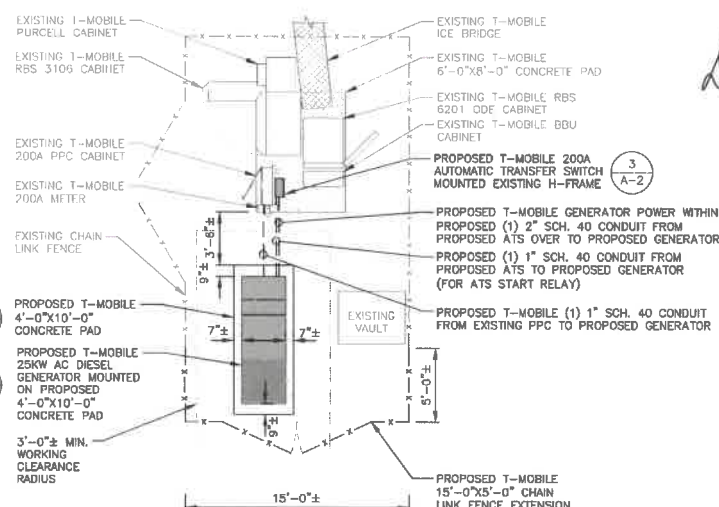
COMPOUND PLAN
22x34 SCALE: 3/32"=1'-0"
11x17 SCALE: 3/64"=1'-0"

1
A-1
0 5'-4" 10'-8" 21'-4" 32'-0"



EXISTING EQUIPMENT PLAN
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

2
A-1
0 2'-0" 4'-0" 8'-0" 12'-0"



PROPOSED EQUIPMENT PLAN
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

3
A-1
0 2'-0" 4'-0" 8'-0" 12'-0"

**T-MOBILE
NORTHEAST LLC**
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ROCHESTER, NH 0766
OFFICE: (603) 286-2900
FAX: (603) 286-2900

smartlink
SMARTLINK
1997 AIRIAPOLIS EXCHANGE FFWY SUITE 200
AIRIAPOLIS, MD 21401

**HDG
HUDSON
Design Group LLC**
43 BEECHWOOD DRIVE TEL: (978) 257-6650
N. ANDOVER, MA 01845 FAX: (978) 255-5586



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS				
REV.	DATE	DESCRIPTION	BY	
1	10/27/21	ISSUED FOR CONSTRUCTION	YD	
2	10/16/21	ISSUED FOR REVIEW	KSD	

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SHEET TITLE
COMPOUND &
EQUIPMENT PLANS
(GENERATOR PROJECT)

SHEET NUMBER
A-1

NOTE:
PROPOSED T-MOBILE AC GENERATOR
TO BE INSTALLED PER
MANUFACTURER'S SPECIFICATIONS.

T-MOBILE NORTHEAST LLC

15 COMMERCE WAY, SUITE B
NORTON, MA 02746
OFFICE: (508) 256-2700
FAX: (508) 256-2893



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ARIANAPOLIS, MD 21411



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CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

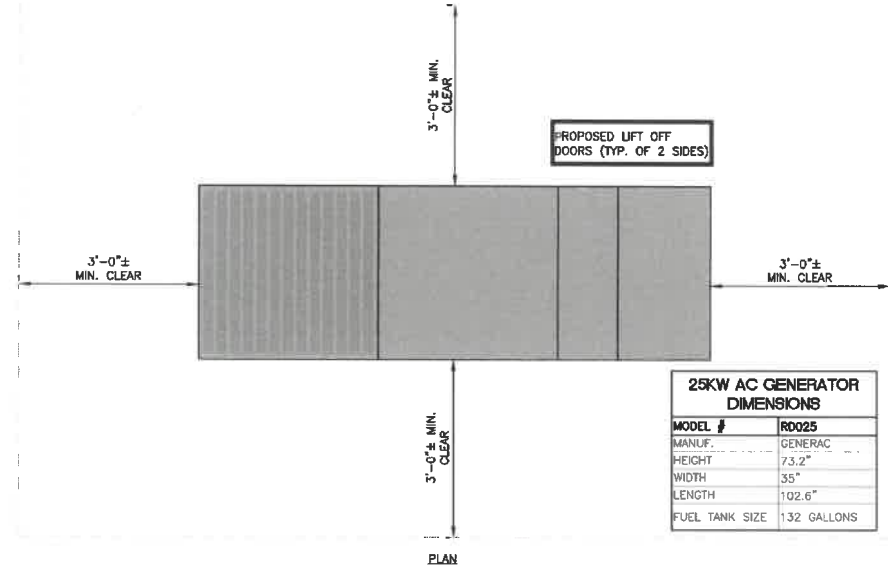
REV.	DATE	DESCRIPTION	BY
1	10/27/11	ISSUED FOR CONSTRUCTION	YD
0	10/18/11	ISSUED FOR REVIEW	ASD

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

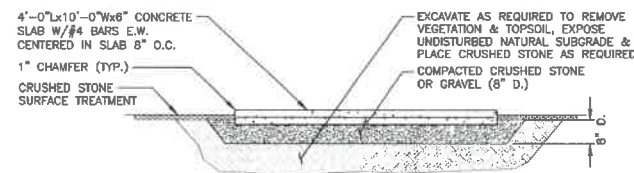
SHEET TITLE
GENERATOR
DETAILS
(GENERATOR PROJECT)

SHEET NUMBER

A-2



25KW AC GENERATOR DIMENSIONS	
MODEL #	R0025
MANUF.	GENERAC
HEIGHT	73.2"
WIDTH	35"
LENGTH	102.6"
FUEL TANK SIZE	132 GALLONS



- NEW CONC. PAD NOTES:
- REINF. W/ #4's @ 8" O.C. EA. WAY (MID-DEPTH).
 - REINF. SHALL BE ASTM A615-GRADE 60. SECURE IN PLACE.
 - REINFORCEMENT IN EQUIPMENT SLAB TO BE WELDED AND BONDED TO GROUND RING

CONCRETE PAD DETAIL

SCALE: N.T.S.

2
A-2

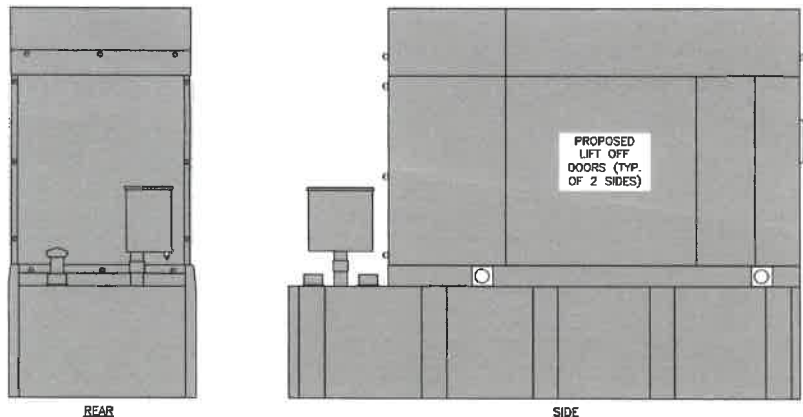
AUTOMATIC TRANSFER SWITCH DIMENSIONS	
MODEL #	RXC200A3
MANUF.	GENERAC
WIDTH	14.6"
DEPTH	7.09"
HEIGHT	20"
WEIGHT	20 LBS
W/O BATTERIES	



AUTOMATIC TRANSFER SWITCH

SCALE: N.T.S.

3
A-2



GENERATOR DETAIL

SCALE: N.T.S.

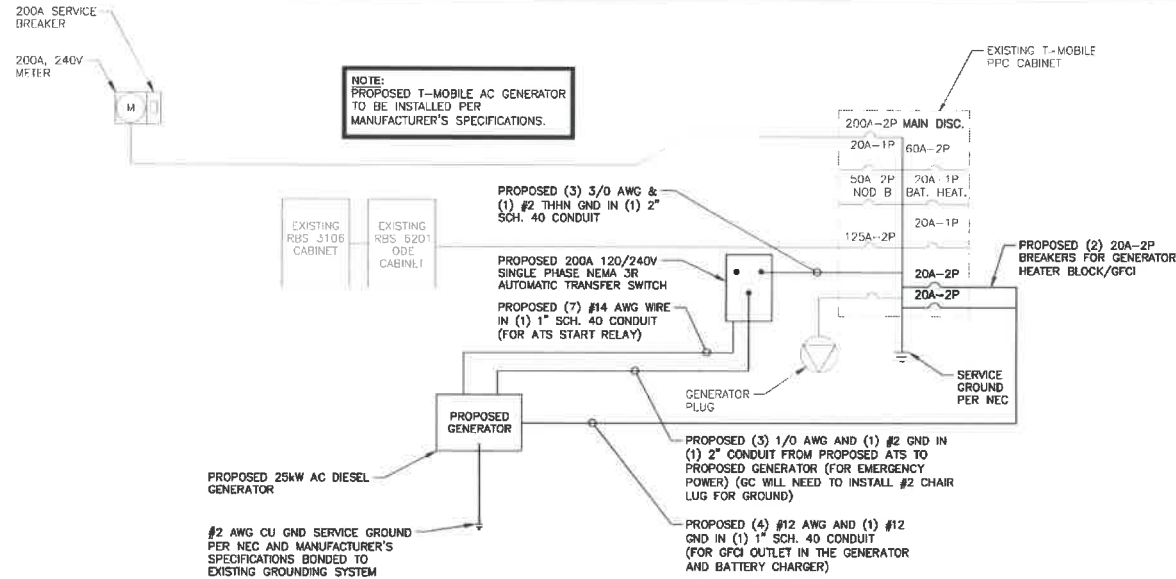
1
A-2

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
5. ELECTRICAL AND TELCO WIRING EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
6. RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.
7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW OR THHN INSULATION.
8. RUN ELECTRICAL CONDUIT AND CABLE BETWEEN ELECTRICAL METER BANK AND PROPOSED CELL SITE POWER PEDESTAL AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
9. RUN TELCO CONDUIT AND CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROPOSED CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON DRAWING A-3. PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
10. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.

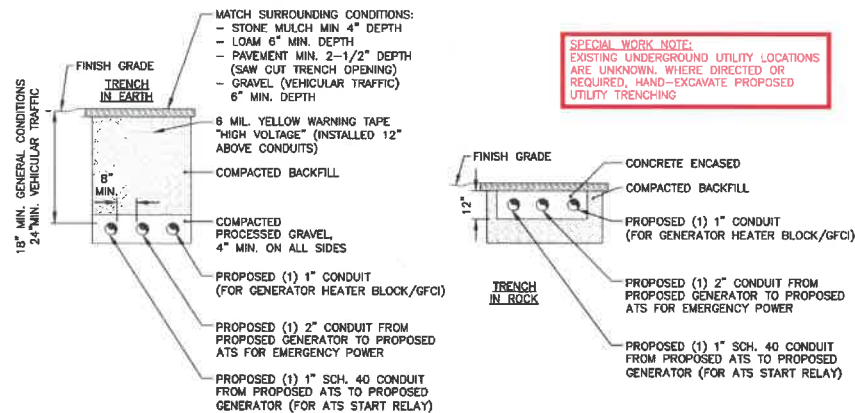
LEGEND

A	AMPERE
V	VOLT
KWH	KILOWATT - HOUR
C	CONDUIT
GRC	GALVANIZED RIGID CONDUIT
BGR	BURIED GROUND RING
BTGW	BARE TINNED SOLID COPPER WIRE
GND	GROUND
⊥	GROUND
GFI	GROUND FAULT INTERRUPTER
H.P	HORSE POWER
WGB	MASTER GROUND BAR
○	MECHANICAL CONNECTION
●	CADWELD CONNECTION
EGB	EQUIPMENT GROUND BAR
—G—	GROUND COPPER WIRE, SIZE AS NOTED
—	EXPOSED WIRING
—#6G—	#6G AWG INSULATED STRANDED
—	COAXIAL CABLE/HYBRID CABLE
⊙	5/8"x8" COPPER CLAD STAINLESS STEEL GROUND ROD
⊙	GROUND ROD WITH TEST WELL
⊙	EXOTHERMIC (CAD WELD) OR MECHANICAL (COMPRESSION TYPE) CONNECTION
NEC	NATIONAL ELECTRIC CODE
∅	PHASE
PPC	POWER PROTECTION CABINET
P	POLE
PVC	POLYVINYL CHLORIDE
UL	UNDERWRITER LABORATORIES
⊗	OMNI-DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALL



GENERATOR ONE LINE DIAGRAM

SCALE: N.T.S.



BURIED CONDUIT DETAIL (AS REQUIRED)

SCALE: N.T.S.

T-MOBILE NORTHEAST LLC

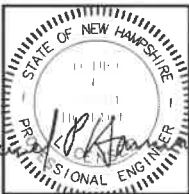
15 COMMERCE WAY, SUITE B
NORTON, MA 02746
OFFICE: (508) 254-3702
FAX: (508) 254-2903



TELEPHONE
100% NUMBER PORTS BACKLOGGED FOR RELOCATION
1-800-451-1000



45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 357-5553
FAX: (978) 355-5384



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	10/21/21	ISSUED FOR CONSTRUCTION	VD
2	10/18/21	ISSUED FOR REVIEW	KSM

SITE NUMBER:

4BS0035A

SITE NAME:

BS035/WATER TANK ROCHESTER

SITE ADDRESS:

155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SHEET TITLE

EQUIPMENT
ONE-LINE DIAGRAM
(GENERATOR PROJECT)

SHEET NUMBER

E-1

T-MOBILE NORTHEAST LLC

15 COMMERCE WAY, SUITE B
NORFOLK, MA 02746
OFFICE: (508) 264-0700
FAX: (508) 264-0903



SMARTLINK
1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
ANNAPOLIS, MD 21401



45 KEECHWOOD DRIVE TEL: (978) 557-5553
PLANDMOUTH, MA 01843 FAX: (978) 557-5504



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	10/27/21	ISSUED FOR CONSTRUCTION	VD
2	10/18/21	ISSUED FOR REVIEW	KSRM

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SHEET TITLE
SUPPLEMENTAL
GENERATOR SPECS
(BY OTHERS)
(GENERATOR PROJECT)

SHEET NUMBER

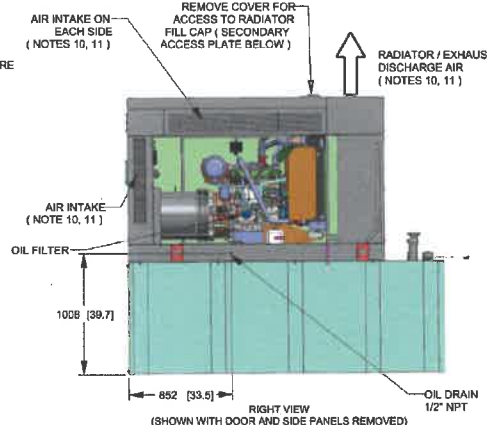
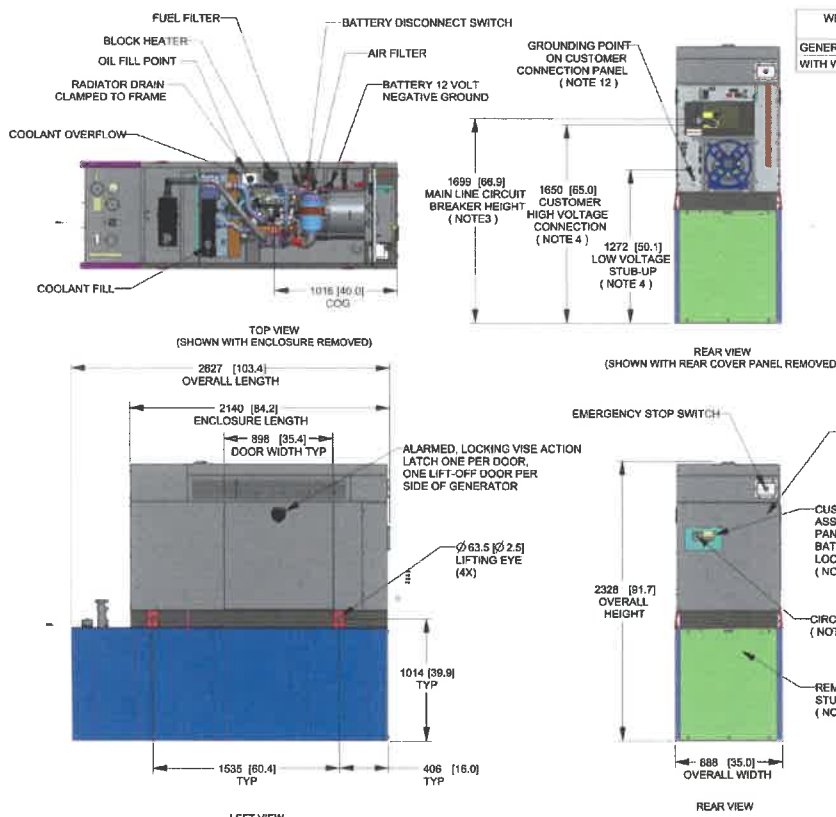
S-1

SH 1/2 REV 2 WINDCHILL VERSION 2.12

WEIGHT DATA WITH EMPTY BASETANK
(SEE NOTE 6)
GENERATOR AS SHOWN 1338 [2948]
WITH WOODEN SHIPPING SKID 1354 [2984]

WEIGHT: KG [LBS]
DIMENSIONS: MM [INCHES]

- NOTES:
- THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
 - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
 - CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
 - MAIN LINE CIRCUIT BREAKER 125 AMPS
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL
 - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
 - CONTROL PANEL INCLUDES INTEGRATED BATTERY CHARGER
 - REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
 - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES
 - ENGINE SERVICE CONNECTIONS
 - OIL DRAIN: 1/2" NPT
 - RADIATOR DRAIN: HOSE CLAMPED TO FRAME
 - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
 - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 - REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
 - MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
 - MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
 - GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED. RECOMMENDED MINIMUM PERIMETER (3FT) AND VERTICAL OVER EXHAUST (5FT) CLEARANCE FOR SITE LOCATION.
 - GENERATOR MUST BE GROUNDED.



TITLE			
INSTALLATION D2.2L 25KW Y06 PD			
ISSUE DATE:	5/10/18		
SIZE	CAGE NO	DWG NO	10000036728
B	N/A	WT-KG	SEE ABOVE
SCALE	0.031	SEE ABOVE	SHEET 1 of 2

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ELECTRONICALLY APPROVED INSIDE WINDCHILL

INSTALLATION DRAWING

SUPPLEMENTAL GENERATOR SPECS (BY OTHERS)

SCALE: N.T.S.

1

S-1

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

T-MOBILE NORTHEAST LLC

15 COMMERCE WAY, SUITE B
NORTH, MA 02766
OFFICE: (508) 264-2100
FAX: (508) 264-2893



SMARTLINK
1997 ARIADAPOLIS EXCHANGE PIWY SUITE 200
ARIADAPOLIS, MD 21401



45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 334-5555



CHECKED BY: RP

APPROVED BY: DPH

SUBMITTALS

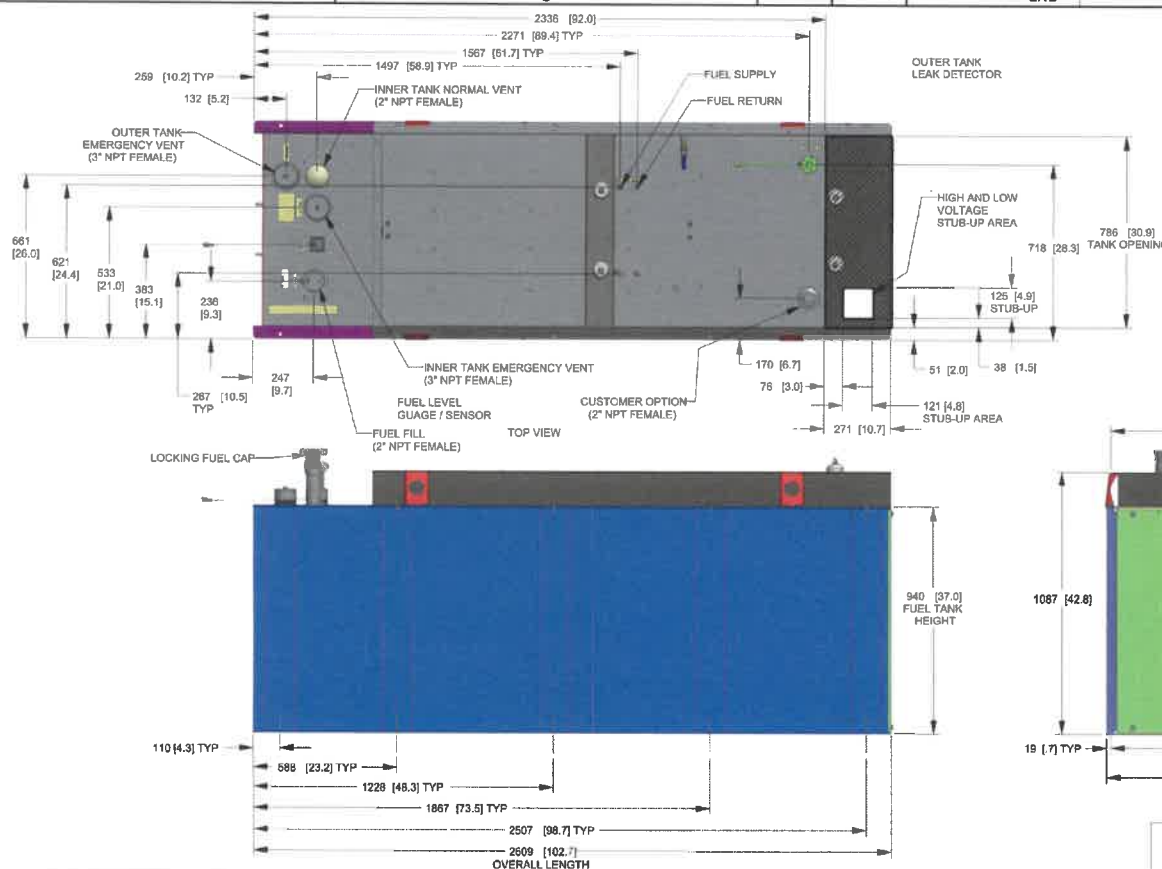
REV.	DATE	DESCRIPTION	BY
1	10/21/21	ISSUED FOR CONSTRUCTION	VD
0	10/16/21	ISSUED FOR REVIEW	ISBM

SITE NUMBER:
4BS0035A
SITE NAME:
BS035/WATER TANK
ROCHESTER
SITE ADDRESS:
155 ROCHESTER HILL ROAD
ROCHESTER, NH 03867
STRAFFORD COUNTY

SHEET TITLE
SUPPLEMENTAL
GENERATOR SPECS
(BY OTHERS)
(GENERATOR PROJECT)

SHEET NUMBER
S-2

SH 2/2 REV 2 WINDCHILL VERSION 2.12



STEEL TANK	
TOTAL CAPACITY	308.8 (240)
USABLE CAPACITY	288.8 (225)

CAPACITY: LITER (GALLON)
DIMENSIONS: MM (INCH)

TANK IS LISTED TO UL142 AND ULC5601

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



TITLE
INSTALLATION D2.2L
25KW Y06 PD

ISSUE DATE:		5/10/18	
SIZE	CAGE NO	DWG NO	REV
B	N/A	10000036728	2
SCALE	0.063	WT-KG	SEE ABOVE
SHEET		2 of 2	

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ELECTRONICALLY APPROVED
INSIDE WINDCHILL

DRAWING CREATED FROM PROENGINEER
3D FILE. ECO MODIFICATION TO BE
APPLIED TO SOLID MODEL ONLY.

INSTALLATION DRAWING

SUPPLEMENTAL GENERATOR SPECS (BY OTHERS)

SCALE: N.T.S.

1

S-2