

Northeast Site Solutions Victoria Masse 420 Main Street #2, Sturbridge, MA 01566 860-306-2326 victoria@northeastsitesolutions.com

July 12, 2022

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

RE: Notice of Exempt Modification 28 Brewer Drive, Bloomfield, CT 06002 Latitude: 41.83516 Longitude: -72.7412 T-Mobile Site#: CT11278A\_NHP

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 108-foot mount on the existing 120-foot monopole tower located at 28 Brewer Drive in Bloomfield. The property is owned by Town of Bloomfield and the tower is owned by Crown Castle. T-Mobile now intends to add a 48Kw generator on an existing concrete pad within the compound.

Planned Modifications: Ground work only-Install New: (1) GENERAC RD 48KW AC DIESEL GENERATOR – 233-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles bi-weekly.



The facility was approved by the Town of Bloomfield Planning & Zoning Commission on August 5, 1996. Please see attached

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 Danielle Wong, Mayor, and Lynda Laureano, Zoning Enforcement Officer for the Town of Bloomfield. A copy is also being sent to the tower owner and property owner.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

Victoria Masse Mobile: 860-306-2326 Fax: 413-521-0558 Office: 420 Main Street, Unit 2, Sturbridge MA 01566 Email: victoria@northeastsitesolutions.com



Attachments cc:

Danielle Wong, Mayor – Property Owner Town Hall 800 Bloomfield Avenue Bloomfield, CT 06002-2460

Lynda Laureano, Zoning Enforcement Officer Town Hall 800 Bloomfield Avenue Bloomfield, CT 06002-2460

Crown Castle - Tower Owner

# Exhibit A

TOWN OF BLOOMFIELD

PAGE 02

ZONING BOARD OF APPEALS

August 5, 1996

The Zoning Board of Appeals held a meeting on August 5, 1996, at 7:30 PM with the following members present.

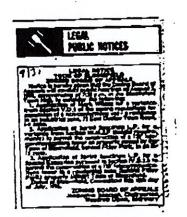
Jacqueline Izzanzon/Chairperson Woodrow Dixon Joeannah Scinson Charles Strouse

Michael Kosilla/ZEO Nancy Awalt/Recording Clerk

Absent: William Goldstein, Robert Horn, Valeria Caldwell-Gaines, Joel Neuwirch

The meeting was called to order at 7:36 PM. Ms. Isaacson explained that with only four (4) members present, the applicants would need 4 affirmative votes for the applications to carry. She also explained that due to the fact that items 2 and 3 needed a sign language interpreter, they would be taken out of order and heard first.

Mr. Dixon read the call for the first application.



Darryl Hendrickson was present

APPLICATION OF SPRINT SPECTRUM

regarding the application L.P. of Sprint Spactrum L.P for a variance from Section III.M.4.P (height requirements) to permit the construction of a 120' telecommunication towar on property owned by the Town of Bloomfield, behind Filley Park, in an R-15 Zone. An additional application for a Special Exception pursuant. to Section IV.B.2.b was also presented at this time. Stave Crotty was also present for this application.

Mr. Hendrickson thanked Staff for helping them get to this point in the application especially Mr. Hooper, Mr. Chapman and Chief Mulhall. The proposal is for a 120' telecommunication facility for the Pilley Park location. Sprint Spectrum is currently implementing PCS which stands for Personal Communication Service. It is the next cellular system that has been approved for an FCC license by the government. It will bring the existing cellular service up to a digital standard. These phones will enable the general consumer to enjoy 8-mail, paging, PBX, voice data, etc.



ClibPDF - www.fastio.com

ż

11/14/1996 09:41

ZBA Meesing

2

There was a brief discussion regarding the exact location and then Mr. Hendrickson showed enlarged photo's of the site, taken from various views. The first photo was taken from the cul-desac in the Mountain View Cemetery looking north. He explained that they would be taking down a large, dead tree and erecting the tower approximately where the tree had been located. The second photo was taken from Brewer Road looking up the hill. He noted that they would be using this overgrown road off of Brewer for access for the construction trucks. There is also a pending easement agreement with Mountain View Cemetery that would allow Sprint to go through the Cemetery for their monthly inspections and maintenance of the tower so the use of the road off of Arewer would be for construction purposes only. Once completed the road would be allowed to go back to it's natural state. The third photo was taken from different angles in Town. Sprint has worked with the Town very Closely in choosing the location of this tower that would be beneficial to all the involved parties. Because of the elevation of this area, the tower will only be 120' high which is a relative low height for these towers. Sprint will also be installing an antenna for the Bloomfield Folice Department to enhance their radio capabilities.

Mr. Hendrickson explained further the access road that would be used for trucks during construction. Because of the height of the would be allowed to grow back to its natural state when construction was complete. There is a requirement by Sprint to have a once a month maintenance visit to each tower and this would be done through the Cemetery as mentioned before.

The construction should take about 30-50 days to complete. The nearest house is no more than 600'-700' away. It was asked how the 120' height was arrived at and if the tower should fall would it hit any buildings. Steve Crotty showed graphic photos of the proposed Bloomfield site as wall as other proposed and existing sites in surrounding towns. The maps showed the coverage of the town and the only non-coverage area was at the top of Avon Mountain. Mr. Crotty explained that locations are chosen so the services overlap so all areas are served. There had been a drive test done with a crane and the 120' height was what was needed to serve the Town of Bloomfield. He noted that the towers range from 100'-250' high. Because of the high elevation of this site, only 120' was all that was needed for this tower. He noted that Chief Mulhull had been extremely interested in having this installed stating that it would be a 40%-60% improvement in their radio transmissions. The tower would fall it would collapse at the joint and fall into itself. At the worst case scenario, if the tower would fall straight, to the east or west it would fall on Town property, to the south it would fall on the Cemetery property and to the north it would fall on Alexandria Manor. There would be no buildings hit if the tower would fall.

Mr. Kosilla stated that there had been a meeting with the applicant, the Town Manager, The Town Planner and Chief Mulhall regarding this application and that he Town is very interested in this tower.

George Szala of 17 Downing Drive asked if the access road would be blocked off at the end of each working day. His concern was that because of the tracks made, it might encourage others to use this as a road. After a brief discussion Mr. Hendrickson stated that if the Town so wished, signs or road blocks of some sort could be used to deterred others from using the road. As mentioned pefore, they would let the road grow back to it's

ClibPDF - www.fastio.com

ngin ana a Na kaominina mampina ZBA Meeting

3

August 5, 1996

original state or if needed additional plantings would be done. Mr. Szala also asked the time schedule of this project and was told that assuming that all approvals are given, they should be going for the building permit by the end of September.

Attorney John Pinney, on behalf of the Mountain View Cemetery. stated that their first involvement with this project had been through the Town contacting them. In exchange for the access through the Cemetery, Sprint will be installing underground electric and phone wires to the existing building on the Cemetery property which had been unattainable before because of the costs. The existing building on the Cemetery property would then be used to house some of the records and the daily operations of the Cemetery. Mr. Pinney stated that the Cemetery Association supported both of the applications being presented by Sprint Spectrum L.P.

Mr. Hendrickson said that they would be leasing a 100' x 100' fenced area. The concrete slab for the tower would be 15'x 20'. There will also be a slab constructed at this time for the Town of Bloomfield's Police Department's equipment. There would also be room for future projects if needed. There would be three (3) five fort high, weatherproofed, electronic cabinets with the tower, on the slab. There was a brief discussion regarding hours of operation for the construction. Mr. Hendrickson stated that he didn't know the exact hours that Sprint used but it would probably be 7:30 AM - 5:30 PM. Mr. Hendrickson left handouts with the Board of an article from USA Today, July 17, 1996, talking about President Clintons plans to introduce cellular phones as the newest weapon in his community policing initiative.

The public hearing was closed and a brief discussion followed. Mr. Strouse then motioned to approve the application of Sprint Spectrum L. P. for a variance from Section III.M.4.P (height requirements) to permit the construction of a 120 telecommunication tower on property owned by the Town of Bloomfield, behind Filley Park, in an R-15 zone. Conditions of this approval are that the hours will be from 7:30 AM to 5:00 PM, Monday through Friday and that the access road be blocked off at the end of each working day. Ms. Stinson seconded the motion and it carried unanimously.

Ms. Stinson motioned to approve the application of Sprint Spectrum L.P. for a Special Exteption pursuant to Section IV.B.2.b to permit the construction of a 120' telecommunications tower in a residential zone (behind Filley Park) property owner: Town of Bloomfield. Mr. Dixon seconded the motion and it carried unanimously.

The call for the second hearing was read.

# Exhibit B



**Property Listing Report** 

Map Block Lot 25-537

#### **Property Information**

28 BREWER DR	
BLOOMFIELD TOWN OF	
TOWN HALL	
06002	

Site Index	5	
Acreage	3.37	
Utilities		
Lot Setting/Desc		
Fire District	с	
Book / Page	0113/0751	

#### **Primary Construction Details**

Year Built	0
Building Desc.	Mun Lnd Res
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	

	and the second se
Heating Fuel	
Heating Type	
АС Туре	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Bsmt Fin Area	0
Rec Rm Area	0
Bsmt Gar	0
Fireplaces	0



PID

1

7622

#### Sketch



#### (\*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Report Created On

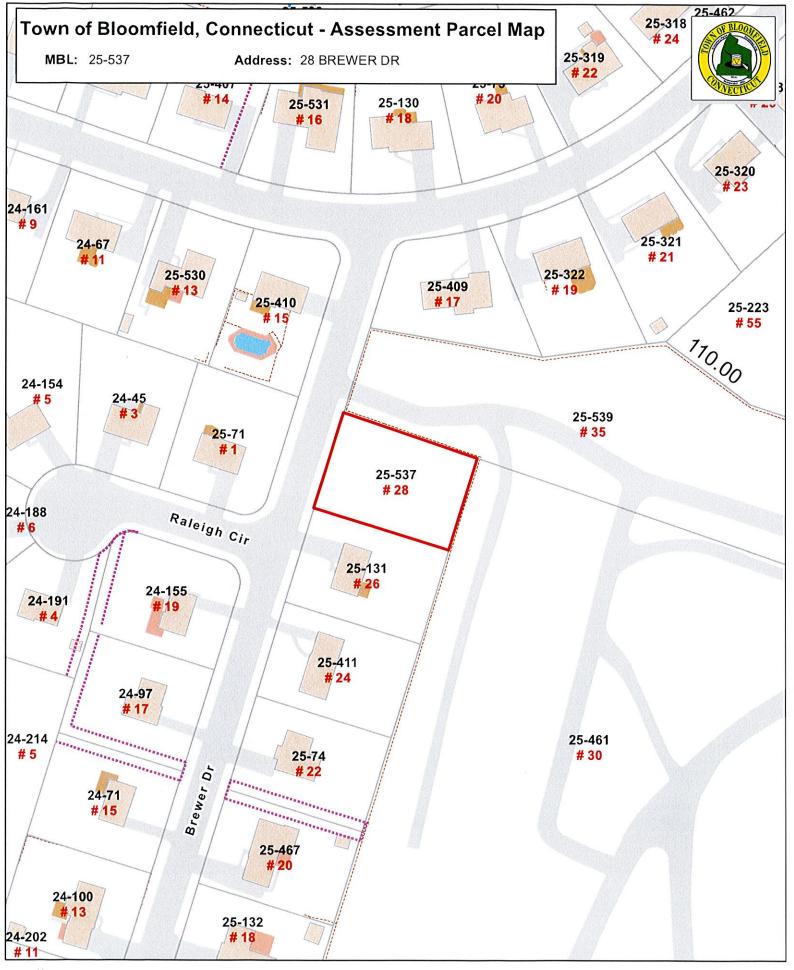
VECTIVE T TOPET	y Listing Report	Map Block Lot 25-5	Building # 1	PID 7622 Old	i MBL 176-1-116
Valuation Sum	(Assessed value =	= 70% of Appraised Value)	Sub Areas		
Item	Appraised	Assessed	Subarea Type	Gross Area (sq ft)	Living Area (sq f
Buildings	0	0			
Extras	0	0			
Improvements		-			
Outbuildings	0	0			1
Land	320800	224560			
Гotal	320800	224560			

**BLOOMFIELD TOWN OF** 

0113/0751

1900-01-01

0





Approximate Scale:

1 inch = 100 feet

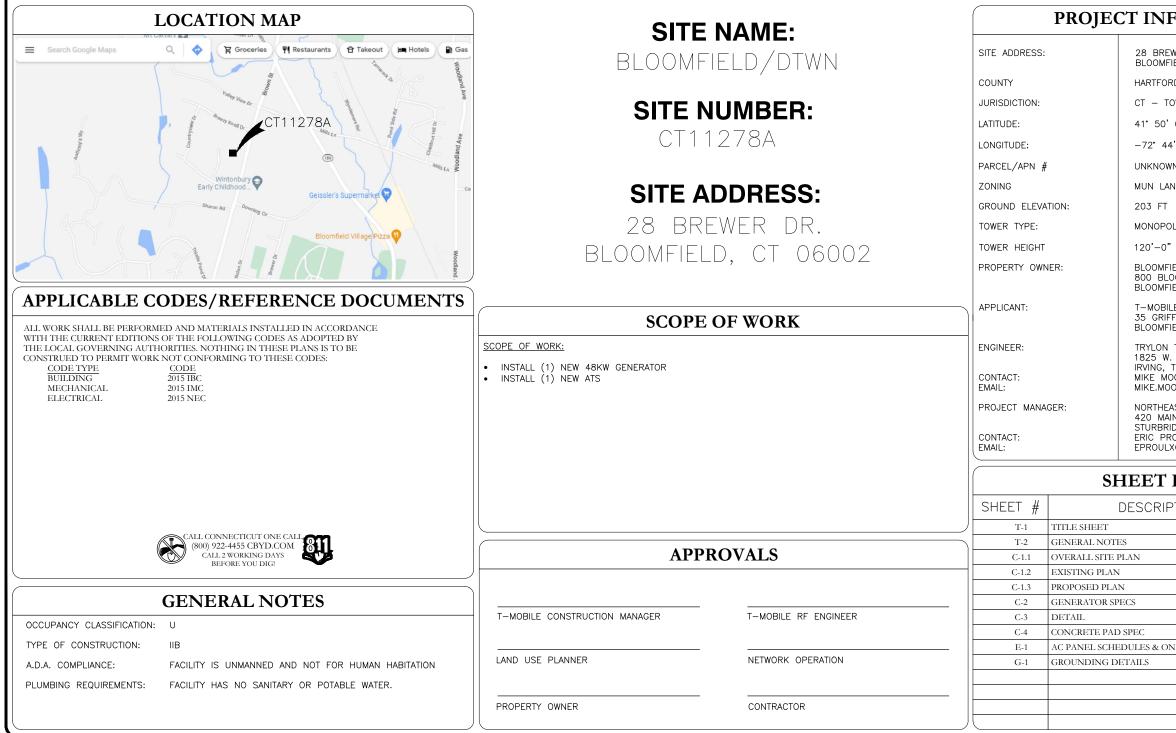
Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Bloomfield and its mapping contractors assume no leaal responsibility for the information contained herein.

Map Produced December 202'

# Exhibit C

# T-MOBILE NORTHEAST LLC

## **UPGRADE:** GENERATOR ADD



		<b>T-MOBILE NORTHEAST LLC</b> 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
		NORTHEAST SITE SOLUTIONS Tarkty Winder Devidenment 420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 203-275-6669
FORMATION	J	Speed, Quality, Credibility 1825 W. WALNUT HILL LANE, SUITE 120 IRVING, TEXAS 75038
WER DR. "IELD, CT 06002 RD OWN OF BLOOMFIELD 06.57" (41.83516) 4' 28.32" (-72.7412) VN ND COM DLE	•	T-MOBILE SITE NUMBER: CT11278A 28 BREWER DR. BLOOMFIELD, CT 06002 EXISTING RAWLAND 120'-0" MONOPOLE
, IELD TOWN OF OOMFIELD AVE. IELD, CT 06002 LE FIN ROAD IELD, CT 06002 TSF	NUTE 200	ISSUED FOR:           REV         DATE         DRWN         DESCRIPTION         DES./QA           A         06/22/2022         RC         PRELIMINARY            0         07/08/2022         RC         ISSUE FOR
. WALNUT HILL LANE, S TX 75038 DORE DORE@TRYLON.COM AST SITE SOLUTIONS IN STREET, BLDG 4 IDGE, MA 01566 ROULX X@NORTHEASTSITESOLUT INDEX PTION		TIS A VIOLATION OF LAW FOR ANY PERSON, No. 31022 CENSEE CONSECUTIVITY NO. 31022 CENSEE CONSECUTIVITY SOONAL ENGINEER THEY ARE ACTING UNDER THE DIRECTOR OF ALICENSED PROFESSIONAL ENGINEER TO ALITER THIS DOCUMENT.
NE LINE DIAGRAM	0 0 0 0 0 0 0 0	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. SHEET NUMBER: REVISION:
		T-1 0

EXPLANATORY AND SUPPLEMENTARY, HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHOWN IN BOTH, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. 2. THE INTENTION OF THE DOCUMENT IS TO INCLUDE ALL LABOR AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.

OR DOING ANY WORK, NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS OR

DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED, OR OF ANY

WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE

CAUSED BY EMPLOYEES AT THE COMPLETION OF THE WORK, REMOVE ALL WASTE AND NON-CONSTRUCTION MATERIAL INCLUDING ALL CONTRACT

AUTHORITIES WITH JURISDICTION OVER THE SALTIER. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WEATHER THE LAW, ORDINANCE,

FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAN OR

COCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS AND STATE LAWS BASED IN THE FEDERAL OCCUPATION SAFETY AND HEALTH ACT. THESE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO, REGULATIONS DEALING

WITH TOWER CONSTRUCTION AND SAFETY, EXCAVATION AND TRENCHING, AND WORK IN CONFINED SPACES. ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES DURING CONSTRUCTION.

FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE

A. CONFLICTS

A. CLEANING

A CODES

A LICENSING

A. OSHA

A. PURPOSE AND INTENT

DAMAGE WILL BE AT THE CONTRACTOR'S EXPENSE. 3. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE

2. THE CONTRACTOR IS TO MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES. DO NOT ALLOW WATER TO STAND OR POND. ANY DAMAGE TO STRUCTURES OR WORK ON THE SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST ASSOCIATED WITH REPAIRS FOR SUCH

OR AS DIRECTED BY CONSTRUCTION MANAGER AND IN ACCORDANCE WITH

1. PROTECT AND SECURE LIVESTOCK. MAINTAIN AND SECURE EXISTING

MATERIALS WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES

RE-INSTALLATION OF EXISTING FENCE AND OTHER SITE IMPROVEMENTS SCHEDULED FOR RE-USE.

MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS) 1. MATERIALS USED FOR TREE PROTECTION, EROSION CONTROL.

SUPPLY OF ADDITIONAL MATERIALS FOR OFFSITE AS REQUIRED.

5. REMOVAL AND LEGDK DISPOSAL OF EXCAVATED MATERIAL AS

M. LIVESTOCK PROTECTION

A SCOPE OF WORK INCLUDES

THAT WILL UNDERLAY GRAVEL, PAVEMENT, NEW STRUCTURES OR EMBANKMENTS. STOCKPILE STRIPPING ON-SITE FOR RE-USE AND FINAL

CONSTRUCT EMBANKMENT FROM ON-SITE EXCAVATION MATERIAL WHEN JITABLE. USE IMPORTED BACKFILL ONLY AFTER AVAILABLE ON-SITE

DEPTH. THE FULL WIDTH OF THE CROSS SECTION SHALL BE BROUGHT

THE LAYERS MAY BE REQUIRED. SUCH OPERATIONS SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM. SHOULD THE MATERIAL BE TOO WET TO PERMIT PROPER COMPACTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE MATERIAL WITH AN ACCEPTABLE MOISTURE CONTENT

PLACE EMBANKMENT MATERIAL UPON FROZEN MATERIAL. 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND THE REPLACEMENT OF ANY PORTION WHICH HAS

BECOME DISPLACED DUE TO CONTRACTOR'S OPERATIONS.

ROUTE EQUIPMENT BOTH LOADED AND EMPTY, OVER THE FULL WIDTH OF THE EMBANKMENT TO ENSURE UNIFORMITY OF MATERIAL PLACEMENT. 9. COMPACT EMBANKMENT UNDERLYING NEW GRAVEL PAVING, FLOOR DENSITY AS DETERMINED BY ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF OPTIMUM MOISTURE CONTENT. COMPACT NON-STRUCTURAL AREA

4. COMPACT AREAS OF UNDERLYING NEW GRAVEL, PAVING, FLOOR SLABS AND STRUCTURES TO BE AT 95% COMPACTION AT A MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM 0-1557 OR WITHIN PLUS OR

CONSTRUCT FINISH SURFACE OF SITE GRADING AREAS WITHIN 1 INCH

1. SHAPE TOP OF SUBGRADE TO THE LINES AND GRADES SHOWN ON

COMPACT THE TOP 12 INCHES OF SUBGRADE TO A 95% COMPACTION AT A MAXIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF THE OPTIMUM MOISTURE CONTENT. 5. CONSTRUCT TOP OF SUBGRADE WITHIN 1 INCH OF ESTABLISHED

ALL JOINTS TO A MINIMUM OF 36 INCHES.

SPREAD GRAVEL AND RAKE TO OBTAIN A UNIFORM SURFACE AREA.

AND/OR REQUIRED WITHIN THE CONSTRUCTION DOCUMENTS OR AS

M CONCRETE FORM WORK

RECEIVE A  $\frac{3}{4}$  INCH BY  $\frac{3}{4}$  INCH 45 DEGREE CHAMFER. OTHER EXPOSED EDGES SHALL RECEIVE A TOOLED RADIUS FINISH.

4 REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS

4. GENERAL NOTES

THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURF ABOVE WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT 48 HOURS BEFORE YOU DIG, DRILL OR BLAST CALL LOCAL

WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN OF THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER

OR THE OWNER'S REPRESENTATIVE. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THE SITE

8

SHALL BE COORDINATED WITH THE OWNER OR OWNER'S

11. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS

12. MAINTAIN FLOW FOR ALL EXISTING UTILITIES 13. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS

14. CONTRACTOR TO GRADE ALL AREAS OF THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING OR EQUIPMENT PA

AND REGRADING ROADWAY AND ANY DISTURBED AREAS FOLLOWIN

17. WATER AND SEWER SERVICES ARE NOT REQUIRED FOR THE

18. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL

#### SITE LEGENDS

#### CENTERLINE ------ PROPERTY/LEASE LINE ----- GROUND CONDUCTOR ----- A----- COAXIAL CABLE ----- X----- CHAIN LINK FENCING

· · · · · ·	CHAIN LINK
онтонт	OVERHEAD T
	OVERHEAD P
— E —	POWER RUN
—— F/P ——	FIBER/POWE
	TELCO RUN
——T/E——	POWER/TELC
_ <b></b>	GROUNDING
	SPARK ZONE

#### SYMBOLS & MATERIAL

 $\begin{pmatrix} x \\ x-x \end{pmatrix}$ DETAIL REFERENCE FLEVATION REFERENCE SECTION REFERENCE

WALKWAYS WILL OBTAIN A 95% COMPACTION AT A MINIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITH PLUS OR MINUS 3% OF THE

LAWNS, UNPAVED AREAS AND WALKS PLUS OR MINUS 1

B. UNDER PAVEMENTS PLUS OR MINUS  $\frac{1}{2}$  INCH. 3. GRADING TOLERANCES FOR FILL UNDER CONCRETE APPLICATIONS A. PLUS OR MINUS  $\frac{1}{2}$  INCH MEASURED WITH 10 FOOT STRAIGHT

MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS)

SUB-BASE MATERIAL: GRADED MIXTURE OF NATURAL OR CRUSHED 2. WASHED MATERIAL, EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL WITH 95% PASSING A 1-1/2 INCH SIEVE 3. GRADING MATERIAL WILL CONSIST OF SATISFACTORY NATIVE OR IMPORTED SOIL MATERIALS FREE OF CLAY, ROCK OR GRAVEL NOT LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS

4. GRAVEL MATERIAL: EVENLY GRADED MIXTURE OF CRUSHED STONE

. REMOVE ALL VEGETATION AND MATERIALS AS REQUIRED. REMOVE

#### A. BUILDING PERMITS 1. CONTRACTOR WILL SUBMIT CONSTRUCTION DOCUMENTS TO THE JURISDICTIONAL AUTHORITY FOR PLAN CHECK AND REVIEW. CONTRACTOR WILL SUBMIT LICENSING AND WORKMAN'S COMPENSATION INFORMATION TO THE JURISDICTION AS REQUIRED TO OBTAIN THE BUILDING PERMIT, CONTRACTOR SHALL COORDINATE AND SCHEDULE REQUIRED INSPECTIONS

AND POST REQUIRED PERMITS AT THE JOB SITE COMPLY WITH SPECIFIC PROJECT RELATED REQUESTS AND SUGGESTIONS MADE BY BUILDING THAT MAY BE BEYOND THE SCOPE OF THE CONTRACT OR DEVIATE FROM THE CONSTRUCTION DOCUMENT. T-MOBILE WILL REIMBURSE THE

. CONTRACTOR WILL SUBMIT ALL ZONING AND CONDITIONAL USE HOURS OF WORK, ACCESS LIMITATIONS, ETC. THE CONSTRUCTION MANAGER WILL INFORM THE CONTRACTOR OF THESE REQUIREMENTS AT THE

#### A TOWER SECURITY

PERMANENTLY WITHIN 24 HOURS OF ERECTION. DO NOT ALLOW THE GATE ACCESSING THE TOWER AREA TO REMAIN OPEN OR UNATTENDED ANY TIME

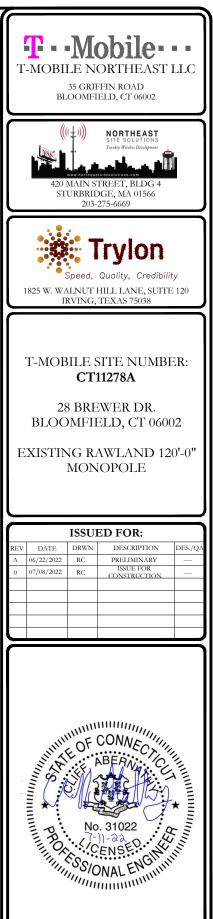
SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK

REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIAL LITTER AND ALL FOREIGN SUBSTANCES. REMOVE PETROCHEMICAL

THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.

TELEPHONE LINE POWER LINE ER RUN

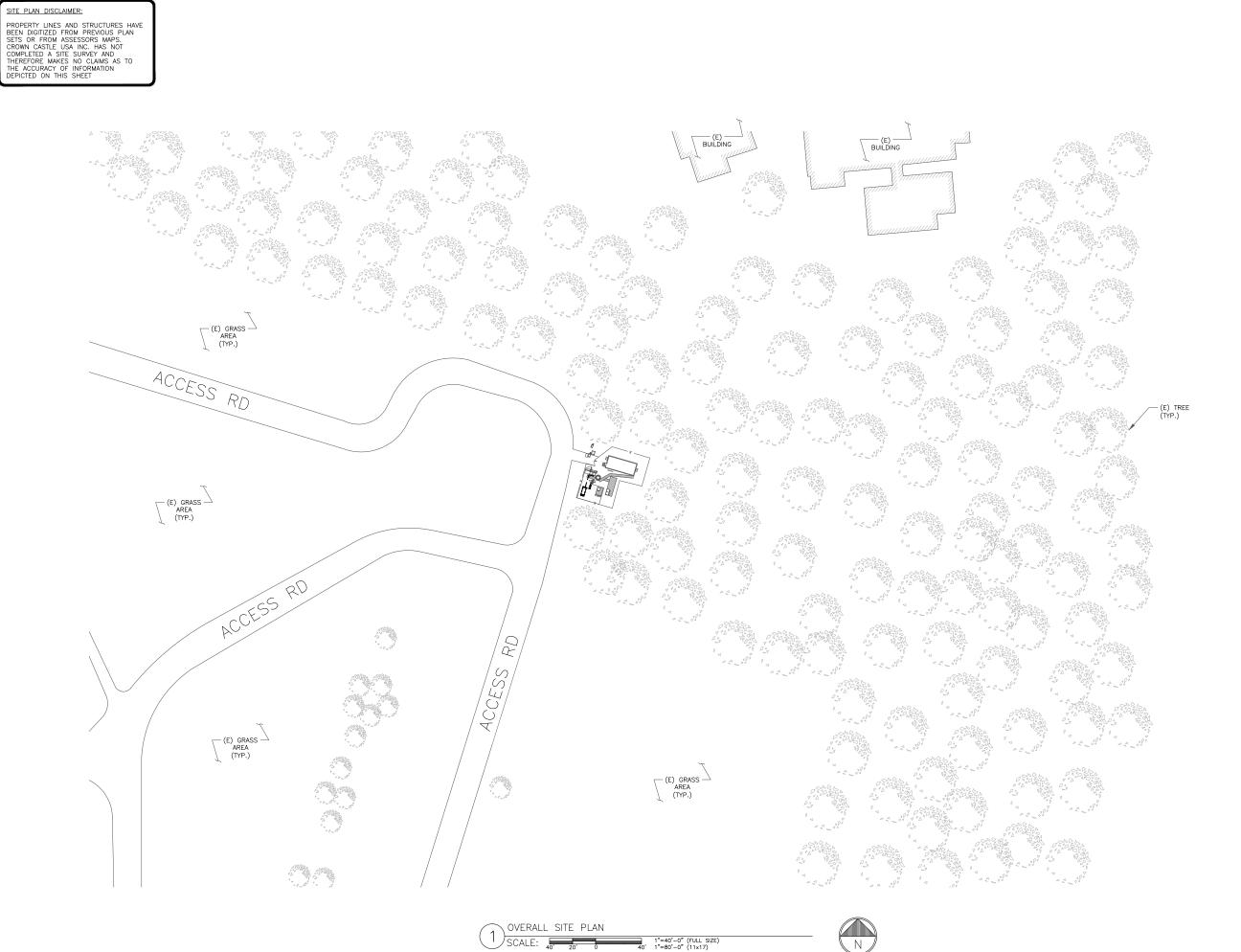
CO RUN CONDUCTOR SPARK ZONE AND WORKING CLEARANCE

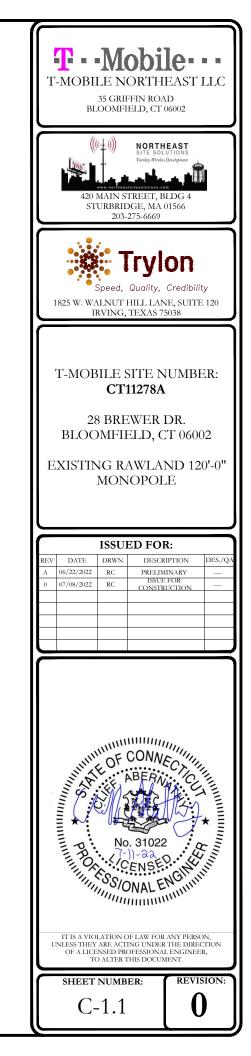


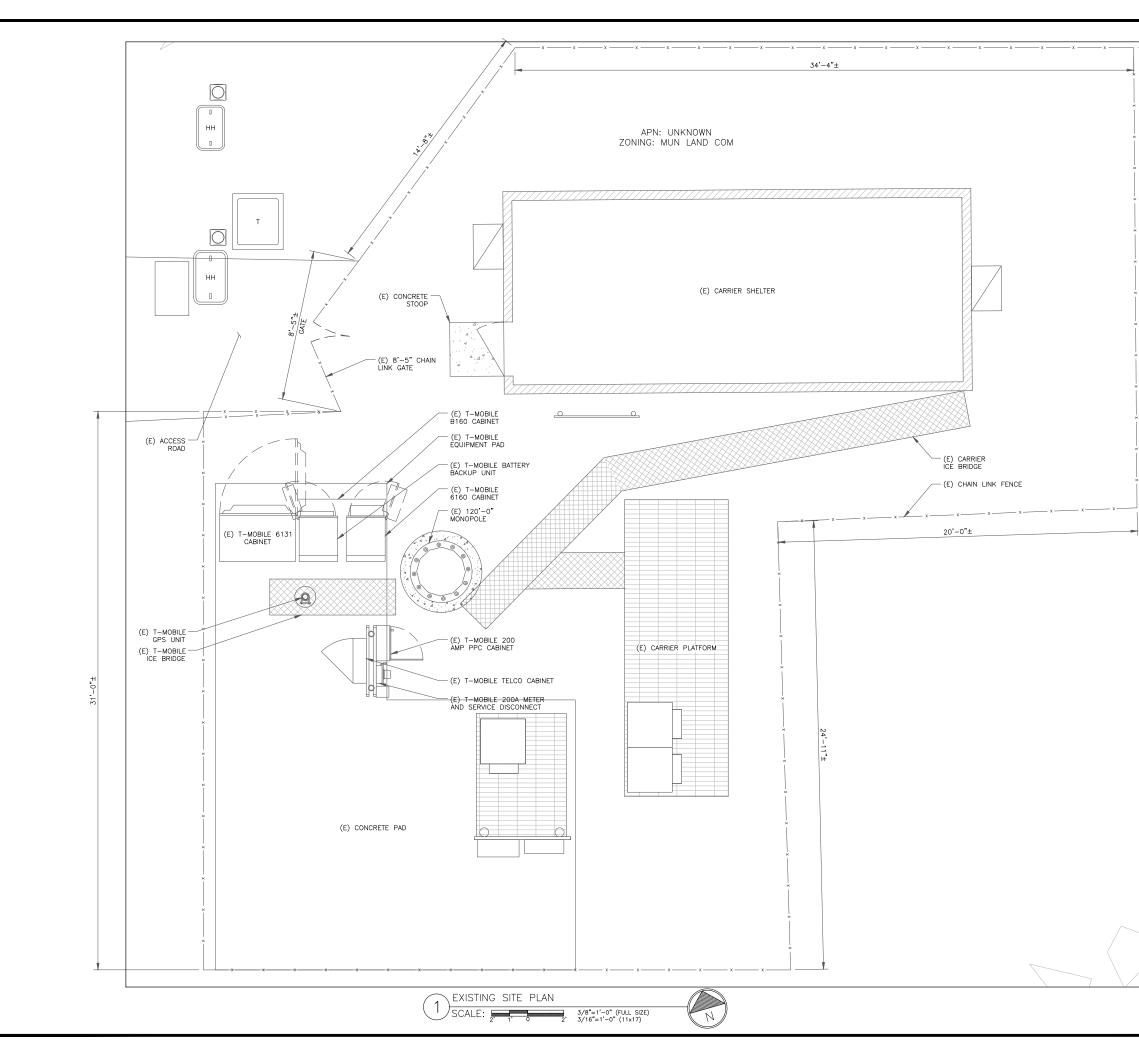
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

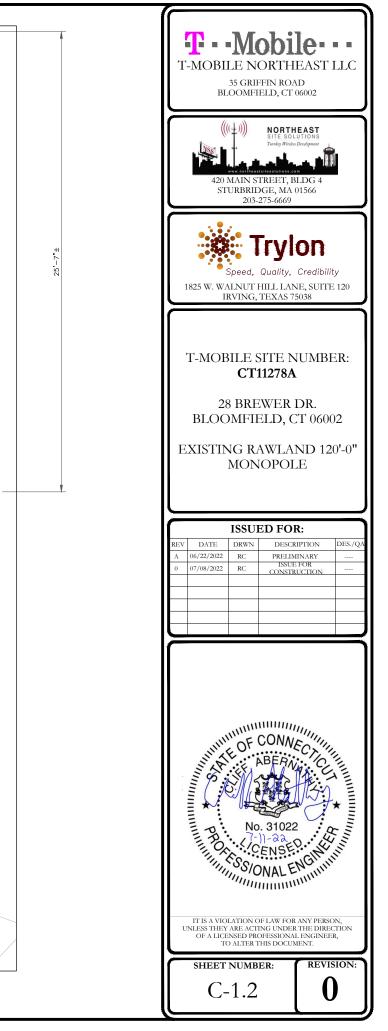
SHEET NUMBER: T-2

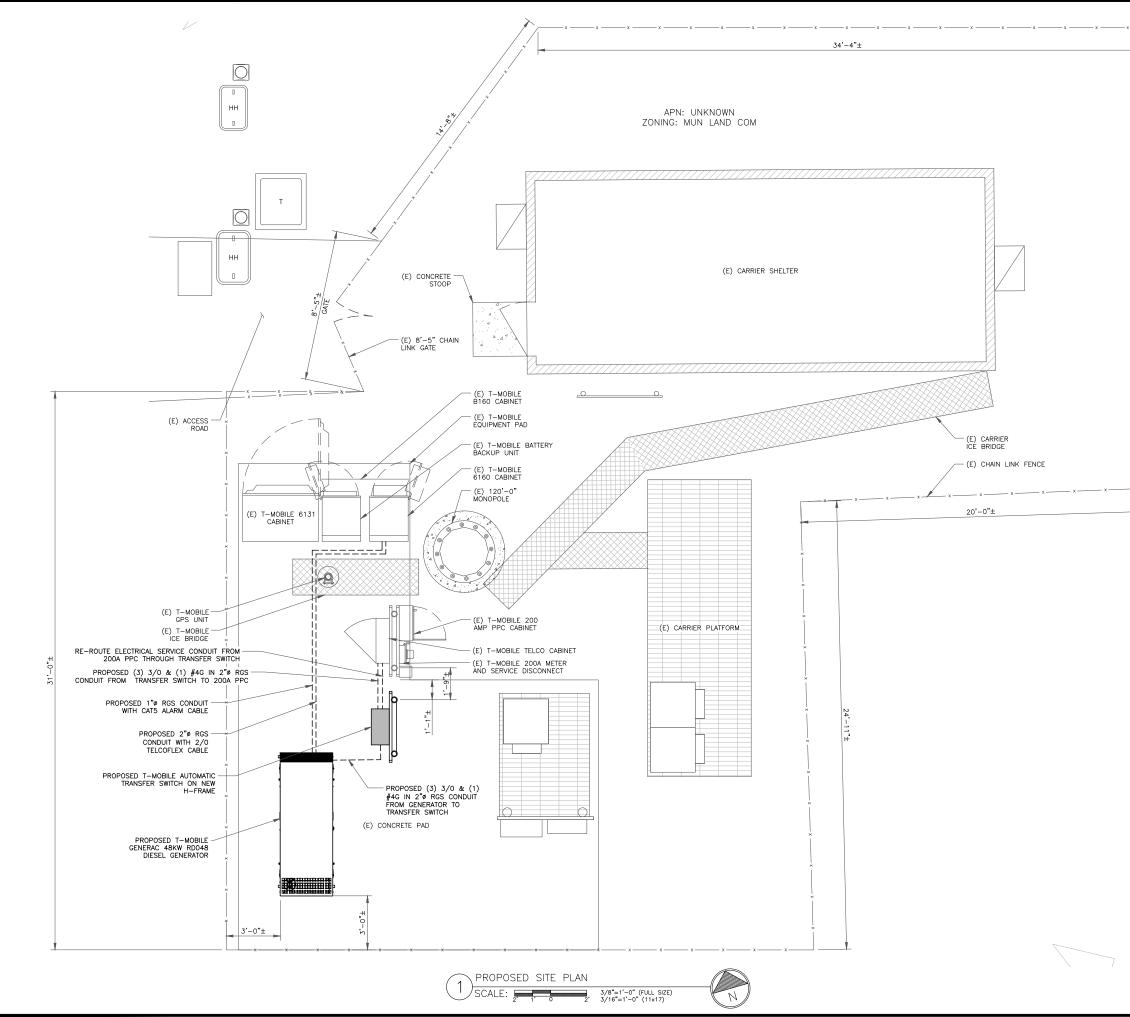


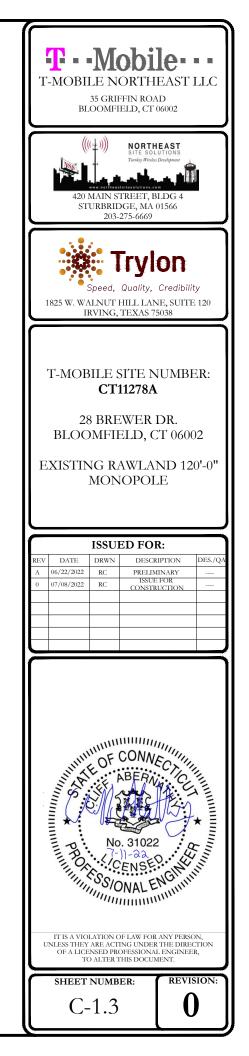




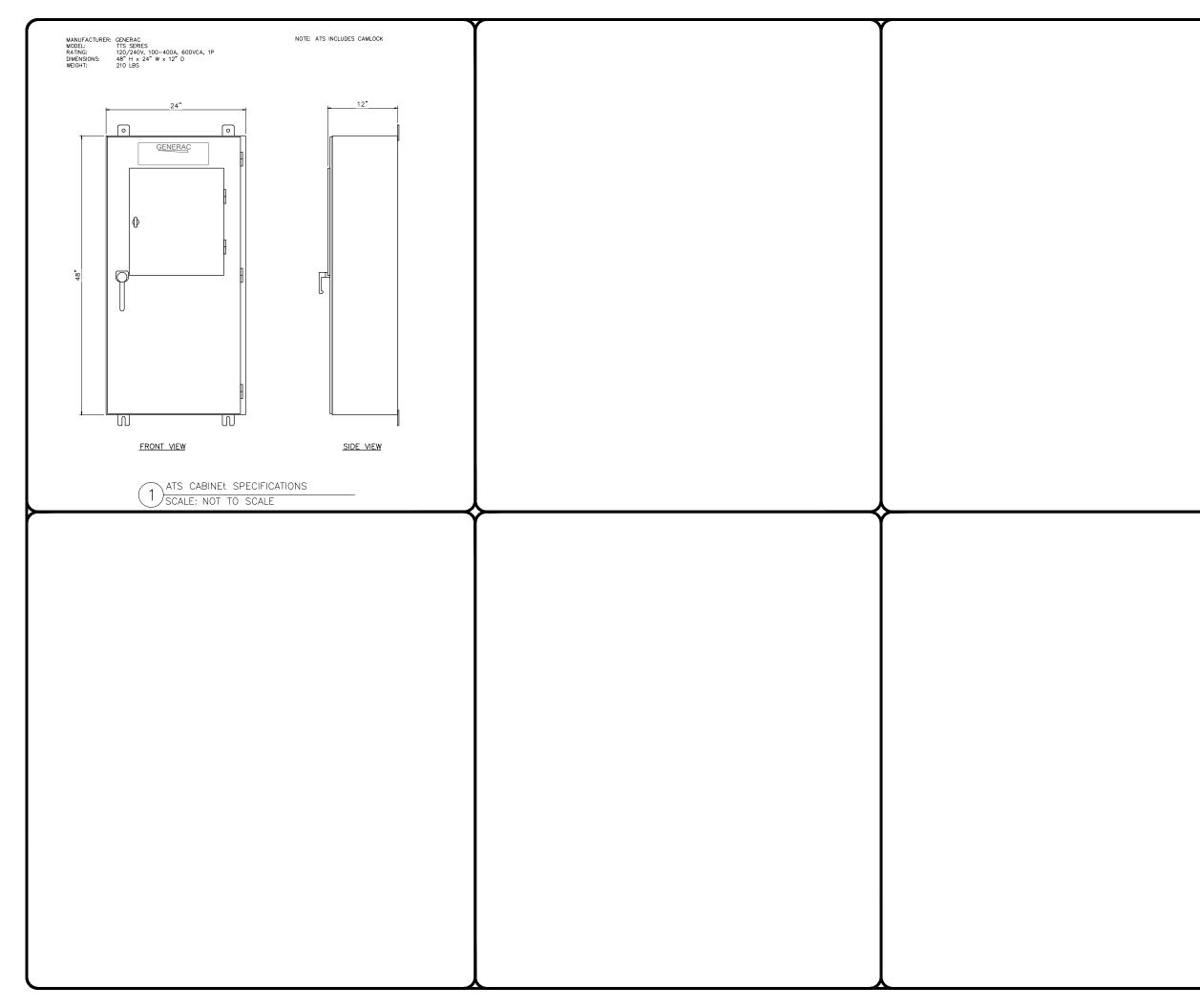


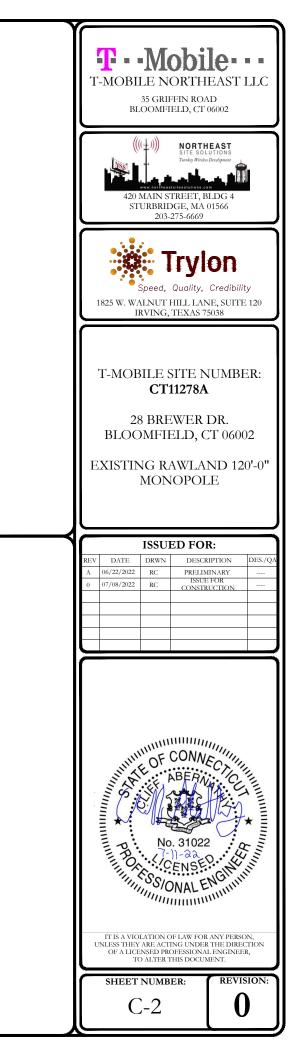






25'-7"±





#### RD048 | 3.4L | 48 kW INDUSTRIAL DIESEL GENERATOR SET EPA Certified Stationary Emergency

Standby Power Rating 48 kW, 60 kVA, 60 Hz



#### **Codes and Standards**





GENERAC INDUSTRIAL

### **Powering Ahead**

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

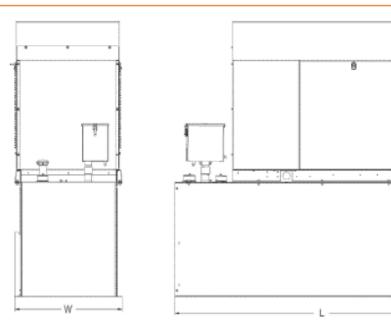
Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

#### RD048 | 3.4L | 48 kW INDUSTRIAL DIESEL GENERATOR SET EPA Certified Stationary Emergency

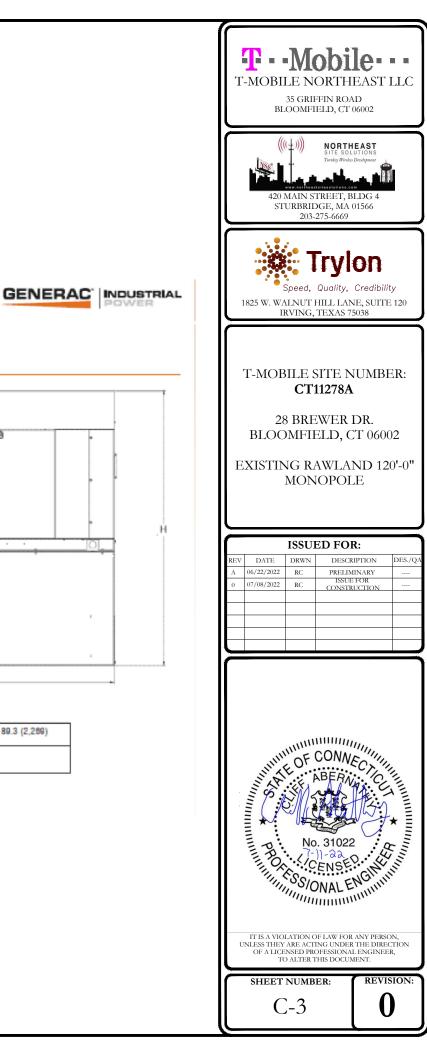
#### **DIMENSIONS AND WEIGHTS\***



#### ENCLOUSED UNIT with 48hour Tank

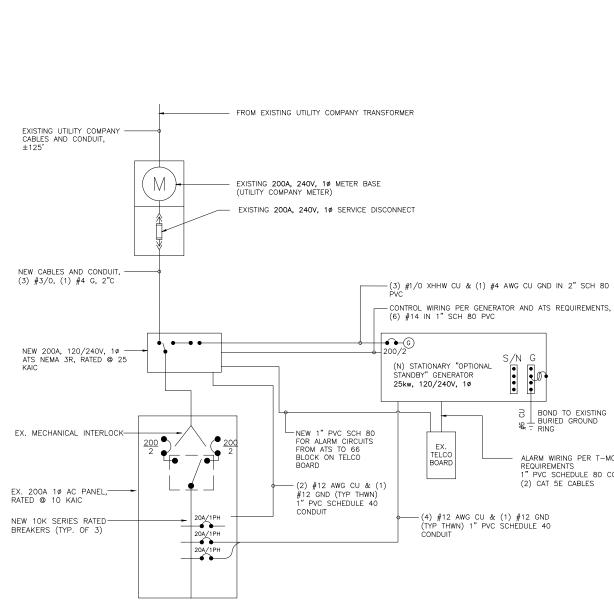
L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

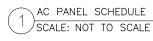
GENERATOR SPECIFICATIONS 1) SCALE: NOT TO SCALE

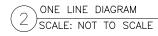


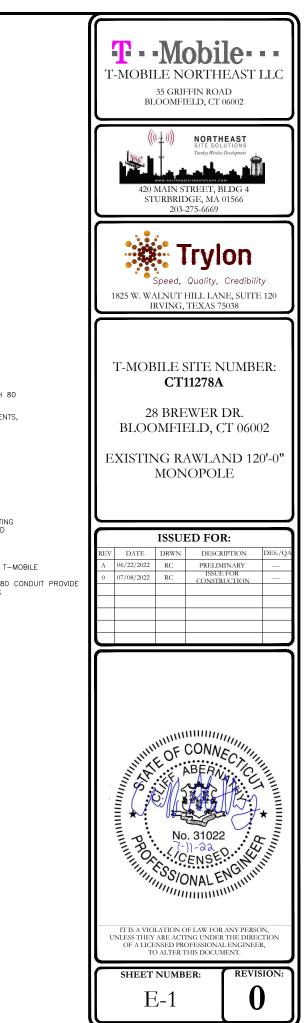
()

PENDING



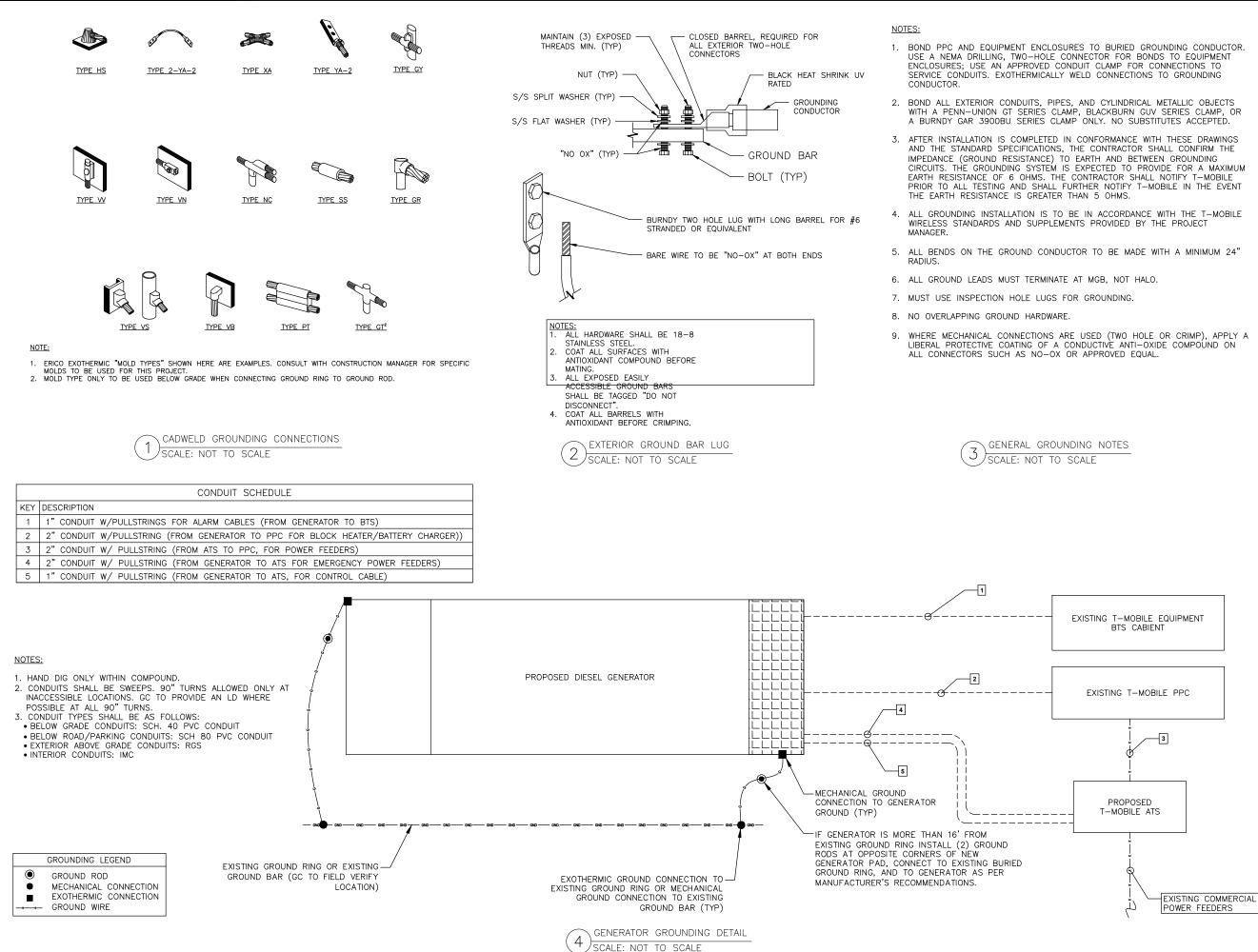


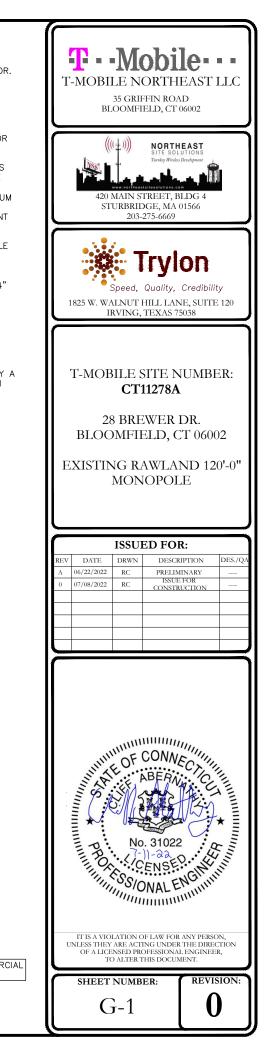




BOND TO EXISTING BURIED GROUND ¥ ∓ RING

ALARM WIRING PER T-MOBILE REQUIREMENTS 1" PVC SCHEDULE 80 CONDUIT PROVIDE (2) CAT 5E CABLES





# Exhibit D

## RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**Standby Power Rating** 48 kW, 60 kVA, 60 Hz



GENERAC

Image used for illustration purposes only

INDUSTRIAL

## **Codes and Standards**

Not all codes and standards apply to all configurations. Contact factory for details.



ANSI

## **Powering Ahead**

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

## RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

#### **Standard Features**

#### **ENGINE SYSTEM**

- Cold Weather Kit
- Oil Drain Extension
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil & Coolant

#### **Fuel System**

Primary Fuel Filter

#### **Cooling System**

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- ۲ Radiator Drain Extension
- Can Operate at up to 122°F (50°C) Ambient • Temperature

#### **Electrical System**

- Battery Charging Alternator
- Battery Cables
- Battery Tray •
- **Rubber-Booted Engine Electrical Connections** ۲
- Solenoid Activated Starter Motor ٠
- Smart Battery Charger

#### ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Sealed Bearings
- Low Temperature Rise (<120°C)</li>
- Low THD (<5%)</li>

#### **GENERATOR SET**

- Sound Attenuated Aluminum Enclosure
- Internal Genset Vibration Isolation
- Separation of Circuits High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- 5 Year Limited Warranty
- Ready to Accept Full Load in <10 Seconds
- E-Stop

#### TANKS

- 48 Hour Run Time Tank
- UL 142 Listed Tank

#### **CONTROL SYSTEM**



#### Evolution <sup>™</sup> Controller

- Two-Line Plain Text LCD Display
- Programmable Start Delay Between 10-30 seconds
- 10 second Engine Start Sequence ٠
- 5 second Engine Warm Up
- 1 minute Engine Cool-Down ٠
- Starter Lock-Out
- · Smart Battery Charger
- Automatic Voltage Regulation with Over and Under Protection
- Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown
- High Temperature Shutdown

- Overcrank Protection
- · Safety Fused
- · Failure to Transfer Protection
- Low Battery Protection
- 50 Even Run Log
- Future Set Capable Exerciser
- Incorrect Wiring Protection
- Internal Fault Protection
- · Common External Fault Capability
- · Governor Failure Protection

#### Optional Shipped Loose and Field Install Kits

#### **GENERATOR SET**

- Paint Kit
- Scheduled Maintance Kit

#### **CONTROL SYSTEM**

○ Mobile Link <sup>™</sup> and Adapter Kit

#### TANKS

- Spill Box
- 90% Fuel Alarm
- Tank Risers
- Spill Box Drainback Kit
- Vent Extension Support Kit
- 5 Day Run Time Tank
- Overfill Prevention Valve
- Fuel Fill Drop Tube
- Lockable Fuel Cap



GENERAC INDUSTRIAL



GENERAC

INDUSTRIAL POWER

#### **APPLICATION AND ENGINEERING DATA**

#### **ENGINE SPECIFICATIONS**

#### General

Make	Generac
Cylinder #	4
Туре	In-Line
Displacement - in <sup>3</sup> (L)	3.4 (207.48)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron OHV
Piston Type	Aluminum

#### Engine Governing

Governor Frequency Regulation (Steady State)

Electronic te) ±0.25%

#### Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity with Filters- qt (L)	7.4 (7.0)

#### Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed- rpm	2,029
Fan Diameter - in (mm)	22 (559)

#### Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Lin (mm/in)	7.94/0.31 (ID)
Fuel Return Line (mm/in)	7.94/0.31 (ID)
Fuel Filtering (microns)	25

#### Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	Group 27F
Battery Voltage	12 VDC
Ground Polarity	Negative

#### **ALTERNATOR SPECIFICATIONS**

Standard Model	Generac	Standard Excitation	Direct	
Poles	4	Bearings	Single Sealed	
Field Type	Rotating	Coupling	Flexible Disc	
Insulation Class - Rotor	Н	Prototype Short Circuit Test	Yes	
Insulation Class - Stator	Н	Voltage Regulator Type	Full Digital	
Total Harmonic Distortion	<5%	Number of Sensed Phases	2	
Telephone Interference Factor (TIF)	<50	Regulation Accuracy (Steady State)	±1.0%	

EPA Certified Stationary Emergency

#### **OPERATING DATA**

#### **POWER RATINGS**

Single-Phase 120/480 VAC @0.1pf

#### Standby 48 kW

Amps: 200

#### **MOTOR STARTING CAPABILITIES (sKVA)**

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

120/240 V, Single-Phase at 0.4pf 189

#### **FUEL CONSUMPTION RATES\***

Percent Load	Diesel gal/hr (L/hr)	
25%	1.35 (5.11)	
50%	2.15 (8.14)	
75%	3.06 (11.58)	
100%	3.98 (15.07)	

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

#### COOLING

		Standby
Air Flow (Radiator and Alternator)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	2824 (80)
Coolant System Capacity	gal (L)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or	1.7% for every 5°F over 77°F
Altitude Deration	1% for every 100 m above 915 or 3% for	or every 1000 ft over 3000 ft
Maximum Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.50 (0.12)

#### **COMBUSTION AIR REQUIREMENTS**

Horsepower at rated kW

Flow	at	Rated	Power	ft <sup>3</sup> /min	(m <sup>3</sup> /min)	

#### Standby 190 (5.38)

Exhaust Temp (Rated Output - Post Silencer)

ENGINE			EXHAUST	
		Standby		
Rated Engine Speed	rpm	1,800	Exhaust Flow (Rated Output)	ft <sup>3</sup> /min (m <sup>3</sup> /min)

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

HP

Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards. Standby - See Bulletin 0187500SSB

85



Standby 448 (12.7)

°F (°C)

1120 (604.4)

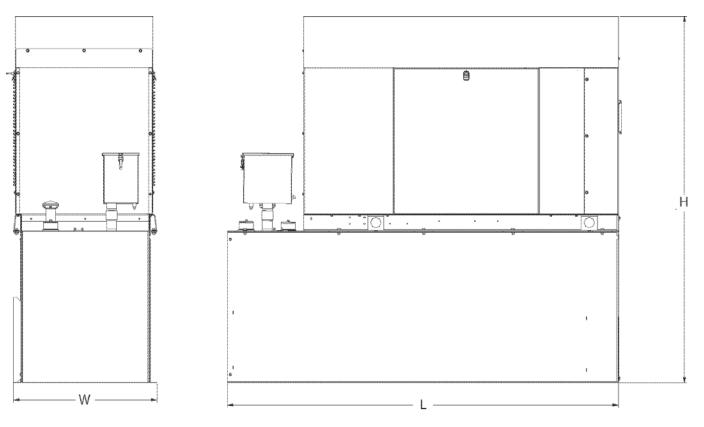


# RD048 | 3.4L | 48 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

#### **DIMENSIONS AND WEIGHTS\***



#### ENCLOUSED UNIT with 48hour Tank

L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 89.3 (2,269)
Sound output in dB(A) at 23ft with generator operating at normal Load	65

\* All measurements are approximate and for estimation purposes only.

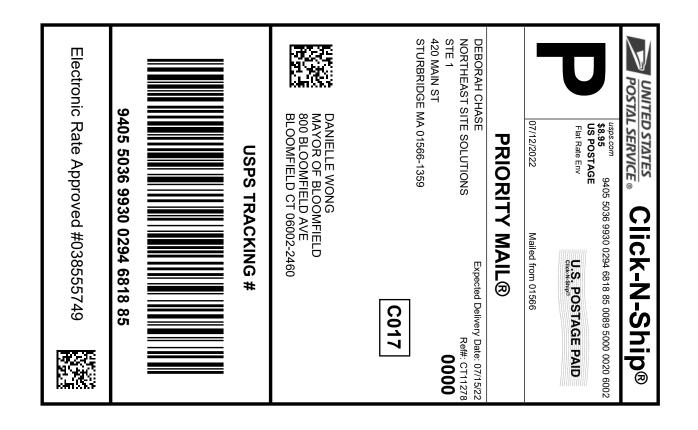
YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

5 of 5



# Exhibit E



Cut on dotted line.

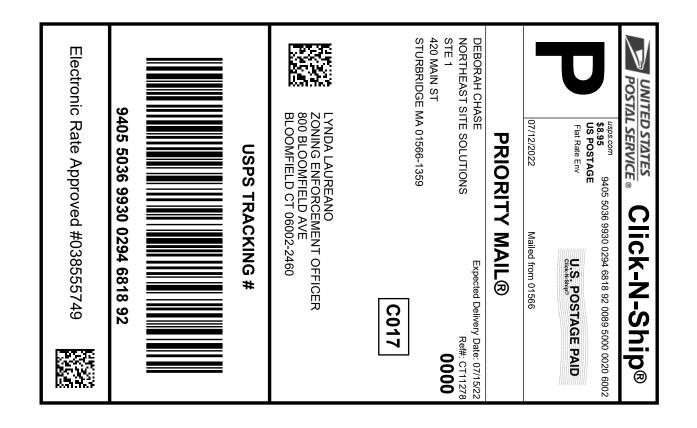
#### Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0294 6818 85 Priority Mail® Postage: \$8.95 Trans. #: 567436119 Total. \$8.95 Print Date: 07/12/2022 07/12/2022 Ship Date: Expected 07/15/2022 Delivery Date: From: DEBORAH CHASE Ref#: CT11278 NORTHEAST SITE SOLUTIONS STE 1 420 MAIN ST STURBRIDGE MA 01566-1359 To: DANIELLE WONG MAYOR OF BLOOMFIELD 800 BLOOMFIELD AVE BLOOMFIELD CT 06002-2460 \* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

**UNITED STATES POSTAL SERVICE** Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com



Cut on dotted line.

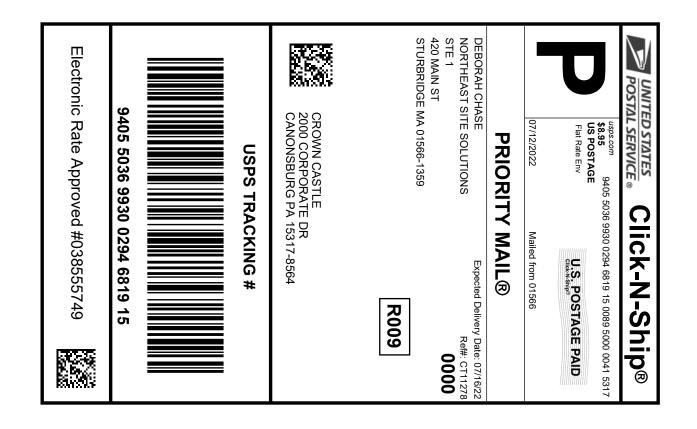
#### Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

#### Click-N-Ship® Label Record

#### **USPS TRACKING #:** 9405 5036 9930 0294 6818 92 Priority Mail® Postage: \$8.95 Trans. #: 567436119 Total. \$8.95 Print Date: 07/12/2022 07/12/2022 Ship Date: Expected 07/15/2022 Delivery Date: From: DEBORAH CHASE Ref#: CT11278 NORTHEAST SITE SOLUTIONS STE 1 420 MAIN ST STURBRIDGE MA 01566-1359 To: LYNDA LAUREANO ZONING ENFORCEMENT OFFICER 800 BLOOMFIELD AVE BLOOMFIELD CT 06002-2460 $^{ m t}$ Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking $^{ m R}$ service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

**UNITED STATES POSTAL SERVICE** Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com

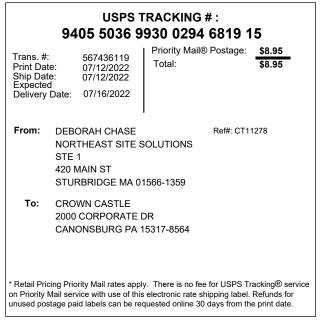


Cut on dotted line.

#### Instructions

- 1. Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- 2. Place your label so it does not wrap around the edge of the package.
- 3. Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
- 4. To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 5. Mail your package on the "Ship Date" you selected when creating this label.

#### Click-N-Ship® Label Record



**UNITED STATES POSTAL SERVICE** Thank you for shipping with the United States Postal Service! Check the status of your shipment on the USPS Tracking® page at usps.com

CTIIZT	8A-1	SHY	>
	<u>INITEE</u> OSTAL	) <u>STAT</u> SERV	TES TICE,
	FARMINGTO	N ST	
FARMIN	GTON, CT 06 (800)275-8	5032-9998 3777	
07/13/2022  Product	*		04:03 PM
	Qty	Unit Price	Price
Prepaid Mail Canonsburg, Weight: 0 11 Acceptance [ Wed 07/3 Tracking #: 9405 503	o 1.90 oz Date: 13/2022	4 6819 15	\$0.00
Prepaid Mail Bloomfield, Weight: O lk Acceptance D Wed 07/1 Tracking #: 9405 503	0 4.00 oz Date:	1 6818 85	\$0.00
Prepaid Mail Bloomfield, Weight: O ib Acceptance D Wed 07/1: Tracking #: 9405 5030	4.10 oz ate: 3/2022	6818 92	<b>\$0</b> .00
Grand Total:			\$0.00
Go to w ***************** Prev Track Sign https://info All sales fina Refunds for gu	nold in the preceive a free test www.covidtes www.covidtes www.covidtes www.covidtes www.covidtes www.covidtes i ew your Ma up for FRE up for FRE rmeddeliver on stamps aranteed se	U.S. is third se dits. sts.gov this ages E P y.usps.co and post prvices of	now t *******
Thank you Tell us abo Go to: https://1 or scan this code	tor your b	usiness. perience.	1000

or call 1-800-410-7420.

UFN: 082618-0132 Receipt #: 840-50600020-2-5634581-1 Clerk: 77

\_\_\_\_\_