



Northeast Site Solutions  
Victoria Masse  
420 Main St Unit 1 Box 2  
Sturbridge, MA 01566  
[victoria@northeastsitesolutions.com](mailto:victoria@northeastsitesolutions.com)

May 17, 2023

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

RE: Notice of Exempt Modification  
111 School House Road, Milford, CT 06460  
Latitude: 41.21285100  
Longitude: -73.08490700  
T-Mobile Site#: CT11229A\_NHP

Dear Ms. Bachman:

T-Mobile currently has nine (9) antennas at the 116-foot level of the existing 140-foot tower. The property is owned by Milford Enterprises LLC and the Tower is owned by Crown Castle. T-Mobile now intends to add a 48Kw generator to a new 4'x9' concrete pad within an existing fenced compound. Two (2) double wide gates will be installed to allow access to the new generator, the compound size will not change.

Planned Modifications:

Groundwork 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.
- (1) 4'x9' concrete pad

This facility was approved by the City of Milford on May 15, 1997. This approval was given without conditions. 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.S.C.A. § 16-50j-73, a copy of this letter is being sent to Benjamin G. Blake, Mayor of the City of Milford, as well as Stephen Harris, Zoning Enforcement Officer for the City of Milford. A copy of this application will also be sent to the tower and property owner.

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

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

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

Sincerely,

*Victoria Masse*

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:

Benjamin Blake – Mayor  
City of Milford  
110 River St  
Milford, CT 06460  
203-783-3201

Attn: Stephen H. Harris – Zoning Enforcement Officer  
City of Milford  
70 West River St  
Milford, CT 06460  
203-783-3245

Attn: Vipul Mehta  
Milford Enterprises LLC  
1207 E Main Street  
Stamford, CT 06702

Crown Castle - tower owner

# Exhibit A



DATE FILED 5/15/97  
 RECEIPT # 10391  
 FEE (INCLUDES CZC) \$ 2200

# City of Milford, Connecticut

## APPLICATION FOR ZONING PERMIT

INSTRUCTIONS: Fill out this application in ball point pen. A scaled plot plan in duplicate, based on a certified surveyor's plot plan must be submitted with this application showing the proposed or existing lot and building dimensions and the location of all buildings in relation to the street lines, side lot lines and rear lot lines.

ADDRESS OF PROPERTY 111 School House Rd. ZONE G.I.  
 MAP 33 BLOCK 335 PARCEL 5 LOT NO. \_\_\_\_\_ ADDRESS MAP NO. \_\_\_\_\_ LOT SIZE \_\_\_\_\_

WIDTH OF STREET RIGHT OF WAY LESS THAN 50 FT.? YES \_\_\_\_\_ NO  CORNER LOT? YES \_\_\_\_\_ NO   
 IS ANY PORTION OF THE LOT BELOW REGULATORY FLOOD ELEVATION? YES \_\_\_\_\_ NO  CAM YES \_\_\_\_\_ NO

CITY WATER  PRIVATE WELL\* \_\_\_\_\_ SEWER\*\*  SEPTIC\*\*\* \_\_\_\_\_ ENGINEERING OFF STREET PERMIT # \_\_\_\_\_

OWNER Telach Prop. L.P. PHONE ( ) 877-8000

ADDRESS OF OWNER 111 School House Rd. 11162 CT

PRESENT USE OF PROPERTY Motel STREET \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

PROPOSED CONSTRUCTION NEW  ADDITION \_\_\_\_\_ ALTERATION \_\_\_\_\_ REPAIR \_\_\_\_\_

SIZE/USE OF PROPOSED CONSTRUCTION 140' Telecommunications monopole  
-Netherlands Permit Req-

NO. OF STORIES \_\_\_\_\_ HEIGHT 140' REQUIRED PARKING SPACES \_\_\_\_\_ LOT COVERAGE \_\_\_\_\_ %

DATE OF APPROVALS: ZBA 2/11/97 CASPR \_\_\_\_\_ SITE PLAN May 6, 1997 SPECIAL PERMIT May 6, 1997

EXEMPTION ISSUED \_\_\_\_\_ SUBDIV. NAME \_\_\_\_\_ HISTORIC DIST. CERT. OF APPROPRIATENESS

CERTIFICATION: (WARNING) I hereby certify that I am making this application on behalf of and with full authority of the owner of the property and that I am aware of the Zoning Regulations pertinent in this case and that the statements made herein are true and correct. APPROVAL SHALL BE VALID FOR PLANS AS SUBMITTED.

THE OCCUPANCY AND USE OF LAND AND BUILDINGS OR STRUCTURES PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY IS PROHIBITED

APPROVED BY: Richard J. Vassich  
 Zoning Official

APPLICANT: NAME MIKE EVANCHICK AGENT FOR SPRINT PCS  
 SIGNATURE [Signature] (Please Print)

DATE ISSUED 5/15/97

ADDRESS 9 BARVES INDUSTRIAL ROAD  
 CITY WALTON STATE CT ZIP 06494  
 TELEPHONE NO. (203) 299-5609

\* Permit required from State Health Dept. for apartments, subdivisions, trailer parks, shopping centers and public buildings.  
 \*\* Permits for sewer connections are granted by Sewer Commission  
 \*\*\* Septic system approvals are granted by Health Department



MILFORD PLANNING & ZONING BOARD  
PETITION FOR SPECIAL PERMIT

Sprint PCS

I (WE) \_\_\_\_\_  
HEREBY PETITION FOR A:

SPECIAL PERMIT \_\_\_\_\_ AMENDMENT TO A SPECIAL PERMIT xx

TO ESTABLISH \_\_\_\_\_ OR CONSTRUCT Telecommunications Monopole  
(DESCRIPTION)  
ON THE FOLLOWING PROPERTY:

ADDRESS OF PROPERTY 111 School House Road SEWER \_\_\_\_\_ SEPTIC \_\_\_\_\_

ASSESSOR'S MAP 33 BLOCK 335 PARCEL 5 ZONE GI ACRES 2.216

APPLICANT'S NAME Sprint PCS PHONE # (203) 294-5634

APPLICANT'S MAILING ADDRESS 95 Barnes Industrial Road, Wallingford, CT

PROPERTY OWNER'S NAME TELAHC Prop., L.P. PHONE # c/o (203) 877-8000

PROPERTY OWNER'S SIGNATURE [Signature]

PROPERTY OWNER'S MAILING ADDRESS 111 School House Road, Milford, CT

IF APPEARING BY ATTORNEY OR AGENT:

NAME Farris Beach & Wilcox, LLP

SIGNATURE [Signature] PHONE # (203) 877-8000

MAILING ADDRESS 147 North Broad Street, Milford, CT

HAS ANY PREVIOUS PETITION FOR A SPECIAL PERMIT BEEN FILED FOR THIS PROPERTY?

YES x NO \_\_\_\_\_

IF YES, GIVE DECISION: APPROVED x DENIED \_\_\_\_\_ DATE 11/6/85

APPLICANT \_\_\_\_\_

NOTE: COPIES OF THIS APPLICATION WILL NOT BE ACCEPTED

FEE - SEE SCHEDULE OF ZONING FEES.

RECEIVED OF \_\_\_\_\_ DATE \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ AMOUNT \_\_\_\_\_ RECEIPT NO. \_\_\_\_\_  
DATE APPLICATION FILED \_\_\_\_\_ DATE APPLICATION CERTIFIED \_\_\_\_\_  
PLANNING & ZONING BOARD ACTION: DATE \_\_\_\_\_ APPROVED \_\_\_\_\_ DENIED \_\_\_\_\_

REVISED 6/93

**PROCEDURE FOLLOWING APPROVAL  
BY  
PLANNING & ZONING BOARD**

**SITE PLAN REVIEW**

Following approval by the Planning & Zoning Board, it is necessary to obtain a zoning permit at the Planning & Zoning Office. Plans for this permit will be the Board approved plans on file in our office unless the Board has stipulated revisions to be made. Please call the reviewing officer for this application at 783-3245 to make arrangements for the issuance of a zoning permit. The fee for a zoning permit following Board approval is \$22.00. The zoning permit, associated plans and other exhibits must then be taken to the Building Inspector for the issuance of a building permit.

**SPECIAL PERMIT/SPECIAL EXCEPTION**

Following approval by the Planning & Zoning Board, it is necessary to obtain a zoning permit at the Planning & Zoning Office. Plans for this permit will be the Board approved plans on file in our office unless the Board has stipulated revisions to be made. Please call the reviewing officer for this application at 783-3245 to make arrangements for the issuance of a zoning permit. The fee for a zoning permit following Board approval is \$22.00. The zoning permit, associated plans and other exhibits must then be taken to the Building Inspector for the issuance of a building permit.

Prior to the issuance of a zoning permit, a certificate, which is being held at the office must be filed on the land records in the City Clerk's Office for which a fee of \$10.00 is required. You must present your receipt from the City Clerk's Office at the Planning & Zoning Office to be recorded in your file.

# Exhibit B



# 111 SCHOOLHOUSE RD #CELL

**Location** 111 SCHOOLHOUSE RD #CELL

**Mblu** 33/ 335/ 5/A /

**Acct#** 023043

**Owner** MILFORD ENTERPRISES LLC

**Assessment** \$245,000

**Appraisal** \$350,000

**PID** 100242

**Building Count** 1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$350,000	\$0	\$350,000

Assessment			
Valuation Year	Improvements	Land	Total
2016	\$245,000	\$0	\$245,000

## Owner of Record

**Owner** MILFORD ENTERPRISES LLC  
**Other** C/O VIPUL MEHTA  
**Address** 1207 E MAIN STREET  
STAMFORD, CT 06702

**Sale Price** \$3,675,000  
**Certificate**  
**Book & Page** 03622/0230  
**Sale Date** 03/27/2015  
**Instrument** 18

## Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
MILFORD ENTERPRISES LLC	\$3,675,000		03622/0230	18	03/27/2015
CSMC 2007 C5 FFI HOTEL PORTFOLIO LLC	\$6,930,207		03602/0294	22	10/06/2014
MILFORD FFI LLC	\$4,800,000		03168/0407	00	05/10/2007
OLY REALTY ONE LLC	\$3,800,000		02396/0375		02/28/2000
TELAHC PROPERTIES L P	\$0		02040/0184		03/11/1994

## Building Information

### Building 1 : Section 1

**Year Built:**  
**Living Area:**

0

**Building Photo**

Replacement Cost: \$0

Building Percent Good:

Replacement Cost

Less Depreciation: \$0

Building Attributes	
Field	Description
Style	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Description:	
Kitchen Descrip:	
Num Kitchens	
Cndtn	
Usrflid 103	
Int Condition:	
Solar Panels	
House Generator	
Usrflid 107	
Num Park	
Fireplaces	
Usrflid 108	
Usrflid 101	
Usrflid 102	
Usrflid 100	



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

### Building Layout

 Building Layout

([http://images.vgsi.com/photos/MilfordCTPhotos//Sketches/100242\\_100241](http://images.vgsi.com/photos/MilfordCTPhotos//Sketches/100242_100241))

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Usrflid 300	
Usrflid 301	

### Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

### Land

#### Land Use

**Use Code** 434V  
**Description** CELL TOWER MDL-00  
**Zone**  
**Neighborhood** C  
**Alt Land Appr** No  
**Category**

#### Land Line Valuation

**Size (Acres)** 0  
**Frontage**  
**Depth**  
**Assessed Value** \$0  
**Appraised Value** \$0

### Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
CEL1	CEL TWR SITE			1.00 UNITS	\$350,000	1

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2018	\$350,000	\$0	\$350,000
2017	\$350,000	\$0	\$350,000
2016	\$350,000	\$0	\$350,000

Assessment			
Valuation Year	Improvements	Land	Total
2018	\$245,000	\$0	\$245,000
2017	\$245,000	\$0	\$245,000
2016	\$245,000	\$0	\$245,000



Imagery ©2020 Maxar Technologies, New York GIS, USDA Farm Service Agency, Map data ©2020 500 ft



### 111 Schoolhouse Rd

Milford, CT 06460



Directions



Save



Nearby



Send to your phone



Share

### At this location

#### Fairfield Inn Milford

4.3 ★★★★★ (20)

2-star hotel



# Exhibit C

# T-Mobile®

**T-MOBILE NORTHEAST LLC**

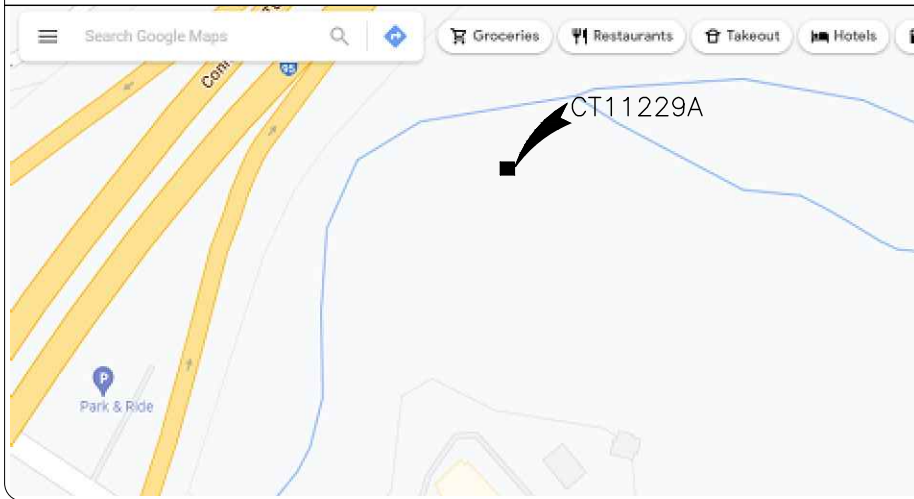
**UPGRADE:**  
GENERATOR ADD

**T-Mobile**  
T-MOBILE NORTHEAST LLC  
35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002

**NORTHEAST**  
SITE SOLUTIONS  
Zoning & Site Development  
420 MAIN STREET, BLDG 4  
STURBRIDGE, MA 01566  
203-275-6669

**Trylon**  
Speed, Quality, Credibility  
1825 W. WALNUT HILL LANE, SUITE 120  
IRVING, TEXAS 75038

## LOCATION MAP



**SITE NAME:**  
STRATFORD/RT 1/RT 162

**SITE NUMBER:**  
CT11229A

**SITE ADDRESS:**  
111 SCHOOL HOUSE ROAD  
MILFORD, CT 06460

## PROJECT INFORMATION

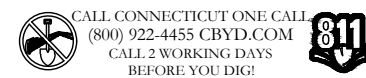
SITE ADDRESS:	111 SCHOOL HOUSE ROAD MILFORD, CT 06460
COUNTY:	NEW HAVEN
JURISDICTION:	N/A
LATITUDE:	41° 12' 46.06" N
LONGITUDE:	-73° 05' 07.10" W
PARCEL/APN #	N/A
ZONING	N/A
GROUND ELEVATION:	70.01 FT
TOWER TYPE:	MONOPOLE
TOWER HEIGHT	140'-0"
PROPERTY OWNER:	N/A N/A N/A
APPLICANT:	T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
ENGINEER:	TRYLON TSF 1825 W. WALNUT HILL LANE, SUITE 302 IRVING, TX 75038 MIKE MOORE MIKE.MOORE@TRYLON.COM
CONTACT: EMAIL:	
PROJECT MANAGER:	NORTHEAST SITE SOLUTIONS 420 MAIN STREET, BLDG 4 STURBRIDGE, MA 01566 ERIC PROULX EPROULX@NORTHEASTSITESOLUTIONS.COM
CONTACT: EMAIL:	

**T-MOBILE SITE NUMBER:**  
**CT11229A**  
111 SCHOOL HOUSE ROAD  
MILFORD, CT 06460  
EXISTING 140'-0" MONOPOLE

## APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2021 TBC
MECHANICAL	2021 IMC
ELECTRICAL	2020 NEC



## SCOPE OF WORK

### SCOPE OF WORK:

- INSTALL (1) NEW 8'-0" x 4'-0" CONCRETE PAD
- INSTALL (1) NEW 48KW GENERATOR
- INSTALL (1) NEW ATS
- INSTALL (1) NEW H-FRAME
- INSTALL (2) NEW 8' DOUBLE GATES

## APPROVALS

\_\_\_\_\_  
T-MOBILE CONSTRUCTION MANAGER

\_\_\_\_\_  
T-MOBILE RF ENGINEER

\_\_\_\_\_  
LAND USE PLANNER

\_\_\_\_\_  
NETWORK OPERATION

\_\_\_\_\_  
PROPERTY OWNER

\_\_\_\_\_  
CONTRACTOR

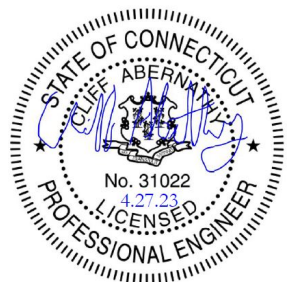
## SHEET INDEX

SHEET #	DESCRIPTION	REVISION #
T-1	TITLE SHEET	2
T-2	GENERAL NOTES	2
C-1.1	OVERALL SITE PLAN	2
C-1.2	EXISTING PLAN	2
C-1.3	PROPOSED PLAN	2
C-2	DETAIL	2
C-3	GENERATOR SPECS	2
S-1	FOUNDATION DETAIL	2
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM	2
G-1	GROUNDING DETAILS	2

## GENERAL NOTES

OCCUPANCY CLASSIFICATION: U  
TYPE OF CONSTRUCTION: IIB  
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION  
PLUMBING REQUIREMENTS: FACILITY HAS NO SANITARY OR POTABLE WATER.

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/22/2022	RC	PRELIMINARY ISSUE FOR	----
0	07/15/2022	RC	CONSTRUCTION ISSUE FOR	----
1	08/26/2022	RC	CONSTRUCTION ISSUE FOR	----
2	04/26/2023	RC	CONSTRUCTION ISSUE FOR	----



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-1 **REVISION:** 2



GENERAL NOTES

1. GENERAL REQUIREMENTS

A. PURPOSE AND INTENT

1. THE DRAWING AND SPECIFICATION ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY, HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF DISCREPANCIES BETWEEN REQUIREMENTS SHOWN IN BOTH, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

2. THE INTENTION OF THE DOCUMENT IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.

A. CONFLICTS

1. VERIFY ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MATERIAL OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS OR DIMENSIONS SHOWN ON PLANS. SUBMIT NOTICE OF ANY DISCREPANCY IN DIMENSIONS OR OTHERWISE TO T-MOBILE FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

2. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED, OR OF ANY OTHER RELEVANT MATTER CONCERNING THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS GOVERNING THE WORK.

A. CLEANING

1. KEEP THE SITE FREE FROM ACCUMULATION OF WASTE AND RUBBISH CAUSED BY EMPLOYEES AT THE COMPLETION OF THE WORK, REMOVE ALL WASTE AND NON-CONSTRUCTION MATERIAL INCLUDING ALL CONTRACT TOOLS, SCAFFOLDING, AND SURPLUS MATERIAL AND LEAVE SITE CLEAN AND READY FOR USE.

A. CODES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL LAWS, REGULATIONS, AND RULES PROMULGATED BY FEDERAL STATE AND LOCAL AUTHORITIES WITH JURISDICTION OVER THE SALTIER. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WEATHER THE LAW, ORDINANCE, REGULATION OR RULE IS MENTIONED IN THESE SPECIFICATIONS.

A. LICENSING

1. CONTRACTOR SHALL HAVE AND MAINTAIN A VALID CONTRACTOR'S LICENSE FOR THE LOCATION IN WHICH THE WORK IS TO BE PERFORMED. FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAN OR SUBCONTRACTOR PERFORMING THOSE SHALL BE LICENSED, RESEARCHED AND COMPLY WITH THE LICENSING LAWS, PAY LICENSE FEES, AND SELECT AND INFORM SUBCONTRACTORS REGARDING THESE LAWS.

A. OSHA

1. FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL 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.

A. PHOTOS

1. PROVIDE PHOTOGRAPHIC EVIDENCE OF ALL FOUNDATION INSTALLATIONS, GROUNDING, AND TRENCHING AFTER PLACEMENT OF UTILITIES PRIOR TO BACKFILL.

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 INSPECTOR, AND INFORM CONSTRUCTION MANAGER OF ANY SUCH WORK THAT MAY BE BEYOND THE SCOPE OF THE CONTRACT OR DEVIATE FROM THE CONSTRUCTION DOCUMENT. T-MOBILE WILL REIMBURSE THE CONTRACTOR FEES FOR PLAN REVIEW, BUILDING PERMIT, CONNECTIONS, AND INSPECTIONS. (INCLUDED IN THE BASE PROPOSAL).

A. ZONING REGULATIONS AND CONDITIONAL USE PERMITS

1. CONTRACTOR WILL SUBMIT ALL ZONING AND CONDITIONAL USE PERMITS. SOME USE PERMITS MAY HAVE SPECIFIC REQUIREMENTS FOR THE SITE RELATED TO CONSTRUCTION, SUCH AS NOISE REGULATIONS, HOURS OF WORK, ACCESS LIMITATIONS, ETC. THE CONSTRUCTION MANAGER WILL INFORM THE CONTRACTOR OF THESE REQUIREMENTS AT THE PRE-BID MEETING OR AS SHOWN IN THE CONSTRUCTION DOCUMENTS.

A. FAA PERMIT AND TOWER LIGHTING

1. REFER TO CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGER FOR FAA AND STATE LIGHTING REQUIREMENTS. CONTRACTOR SHALL PROVIDE TEMPORARY FM APPROVED LIGHTING UNTIL PERMANENT LIGHTING IS OPERATIONAL.

A. TOWER SECURITY

1. IF REQUIRED, TOWER MUST BE FENCED, TEMPORARILY OR PERMANENTLY WITHIN 24 HOURS OF ERECTION. DO NOT ALLOW THE GATE ACCESSING THE TOWER AREA TO REMAIN OPEN OR UNATTENDED ANY TIME FOR ANY REASON. KEEP THE GATE CLOSED AND LOCKED WHEN NOT IN USE.

L. SITE CONTROL

1. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR CONTAINMENT OF SEDIMENT AND CONTROL OF EROSION AT THE SITE. ANY DAMAGE TO ADJACENT OR DOWNSTREAM PROPERTIES WILL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO T-MOBILE.

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 DAMAGE WILL BE AT THE CONTRACTOR'S EXPENSE.

3. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OF OFF-SITE OR AS DIRECTED BY CONSTRUCTION MANAGER AND IN ACCORDANCE WITH JURISDICTIONAL AUTHORITIES.

M. LIVESTOCK PROTECTION

1. PROTECT AND SECURE LIVESTOCK. MAINTAIN AND SECURE EXISTING PERIMETER FENCE AND/OR GATE ENCLOSURES.

2. SITE PREPARATION

A. SCOPE OF WORK INCLUDES

1. PROTECTION OF EXISTING TREES, VEGETATION AND LANDSCAPING MATERIALS WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES.
2. TRIMMING OF EXISTING TREES AND VEGETATION AS REQUIRED FOR PROTECTION DURING CONSTRUCTION ACTIVITIES.
3. CLEANING AND GRUBBING OF STUMPS, VEGETATION, DEBRIS, RUBBISH, DESIGNATED TREES AND SITE IMPROVEMENTS.
4. TOPSOIL STRIPPING AND STOCKPILING.
5. TEMPORARY EROSION CONTROL, SILTATION CONTROL, AND DUST CONTROL CONFORMING TO LOCAL REQUIREMENTS AS APPLICABLE.
6. TEMPORARY PROTECTION OF ADJACENT PROPERTY, STRUCTURES, BENCHMARKS, AND MONUMENTS.
7. PROTECTION AND TEMPORARY RELOCATION, STORAGE AND RE-INSTALLATION OF EXISTING FENCE AND OTHER SITE IMPROVEMENTS SCHEDULED FOR RE-USE.
8. REMOVAL AND LEGDK DISPOSAL OF CLEARED MATERIALS.

B. PRODUCTS AND MATERIALS (AS APPROVED BY CONSTRUCTION MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS)

1. MATERIALS USED FOR TREE PROTECTION, EROSION CONTROL, SILTATION CONTROL, AND DUST CONTROL.

3. EARTHWORK

A. SCOPE OF WORK INCLUDES

1. EXCAVATION, TRENCHING, FILLING, COMPACTION, AND GRADING FOR STRUCTURES, SITE IMPROVEMENTS AND UTILITIES.
2. MATERIALS FOR SUB-BASE, DRAINAGE, BACKFILL AND GRAVEL FOR SLABS, PAVEMENT AND IMPROVEMENTS.
3. ROCK EXCAVATION WITHOUT BLASTING.
4. SUPPLY OF ADDITIONAL MATERIALS FOR OFFSITE AS REQUIRED.
5. REMOVAL AND LEGDK DISPOSAL OF EXCAVATED MATERIAL AS REQUIRED.

B. QUALITY ASSURANCE

1. COMPACTION
  - A. UNDER STRUCTURES, BUILDING SLABS, PAVEMENTS AND 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 MOISTURE CONTENT.
  2. GRADING TOLERANCES OUTSIDE BUILDING LINES
    - A. LAWNS, UNPAVED AREAS AND WALKS PLUS OR MINUS 1 INCH.
    - B. UNDER PAVEMENTS PLUS OR MINUS 1/2 INCH.
    3. GRADING TOLERANCES FOR FILL UNDER CONCRETE APPLICATIONS
      - A. PLUS OR MINUS 1/2 INCH MEASURED WITH 10 FOOT STRAIGHT EDGE.

C. PRODUCTS AND MATERIALS (AS APPROVED BY CONSTRUCTION MANAGER OR AS NOTED IN CONSTRUCTION DOCUMENTS)

1. SUB-BASE MATERIAL: GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE OR SLAG, AND NATURAL SAND.
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 AND OTHER UNSUITABLE MATERIALS WILL NOT BE ALLOWED FOR USE. IMPORTED MATERIALS SHALL HAVE A CLAY CONTENT OF NO MORE THAN 5%.
4. GRAVEL MATERIAL: EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL WITH 95% PASSING A 1-1/2 INCH SIEVE.
5. GEOTEXTILE FABRIC: AS PER CONSTRUCTION DOCUMENTS.

D. CLEARING AND GRUBBING

1. REMOVE ALL VEGETATION AND MATERIALS AS REQUIRED. REMOVE STUMPS COMPLETELY UNDER FOUNDATIONS AND ROADWAYS. DISPOSE OF CLEARING AND GRUBBING OFF-SITE OR IN AN ON-SITE LOCATION APPROVED BY CONSTRUCTION MANAGER.

E. STRIPPING

1. STRIP NOT LESS 3 INCHES OF SOD AND TOPSOIL FROM AREAS THAT WILL UNDERLAY GRAVEL, PAVEMENT, NEW STRUCTURES OR EMBANKMENTS. STOCKPILE STRIPPING ON-SITE FOR RE-USE AND FINAL LANDSCAPING.

G. EMBANKMENT

1. CONSTRUCT EMBANKMENT TO THE LINES AND GRADES SHOWN ON THE DRAWING.
2. CONSTRUCT EMBANKMENT FROM ON-SITE EXCAVATION MATERIAL WHEN SUITABLE. USE IMPORTED BACKFILL ONLY AFTER AVAILABLE ON-SITE EXCAVATION MATERIAL HAS BEEN USED.
3. CONSTRUCT IN LIFTS OF NOT MORE THAN 12 INCHES IN LOOSE DEPTH. THE FULL WIDTH OF THE CROSS SECTION SHALL BE BROUGHT UP UNIFORMLY.
4. MATERIAL SHALL BE PLACED IN LAYERS AND SHALL BE NEAR OPTIMUM MOISTURE CONTENT BEFORE ROLLING TO OBTAIN THE PRESCRIBED COMPACTION. WETTING OR DRYING OF THE MATERIAL AND MANIPULATION TO SECURE A UNIFORM MOISTURE CONTENT THROUGHOUT 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.
5. DO NOT PLACE FROZEN MATERIAL IN THE EMBANKMENT AND DO NOT 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.
7. START LAYERS IN THE DEEPEST PORTION OF THE FILL AND AS PLACEMENT PROGRESSES, CONSTRUCT LAYERS APPROXIMATELY PARALLEL TO THE FINISH GRADE LINE.
8. 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 SLABS AND STRUCTURES TO BE 95% COMPACTION AT A MINIMUM DRY DENSITY AS DETERMINED BY ASTM 0-1557 OR WITHIN PLUS OR MINUS 3% OF OPTIMUM MOISTURE CONTENT. COMPACT NON-STRUCTURAL AREA EMBANKMENTS TO A MINIMUM OF 90% OF ASTM 0-1557.

H. SITE GRADING

1. USING ON-SITE EXCAVATION MATERIAL, SHAPE, TRIM, FINISH AND COMPACT SURFACE AREAS TO CONFORM TO THE LINES. GRADES AND CROSS SECTIONS SHOWN ON THE DRAWING OR AS DESIGNATED BY THE CONSTRUCTION MANAGER.
2. GRADE SURFACES TO DRAIN AND ELIMINATE ANY PONDING OR EROSION.
3. ELIMINATE WHEEL RUTS BY REGRADING.
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 MINUS 3% OF OPTIMUM MOISTURE CONTENT.
5. CONSTRUCT FINISH SURFACE OF SITE GRADING AREAS WITHIN 1 INCH FROM SPECIFIED GRADE.

I. SUBGRADE PREPARATION

1. SHAPE TOP OF SUBGRADE TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.
2. MAINTAIN TOP OF SUBGRADE IN A FREE-DRAINING CONDITION.
3. DO NOT STOCK PILE MATERIAL ON TOP OF SUBGRADE UNLESS AUTHORIZED BY CONSTRUCTION MANAGER.
4. 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 GRADE AND CROSS SECTION.

J. GEOTEXTILE FABRIC

1. LAY GEOTEXTILE FABRIC OVER COMPACTED SUBGRADE IN THE COMPOUND AREA AND UNDER LENGTH OF ROAD (WHEN REQUIRED). LAP ALL JOINTS TO A MINIMUM OF 36 INCHES.

K. GRAVEL SURFACING

1. CONSTRUCT GRAVEL SURFACING AREAS USING CRUSHED AGGREGATE BASE AND FINISH COURSES AS SPECIFIED BY CONSTRUCTION MANAGER. SPREAD GRAVEL AND RAKE TO OBTAIN A UNIFORM SURFACE AREA.

L. LANDSCAPING

1. FURNISH, INSTALL AND MAINTAIN LANDSCAPE WORK AS SHOWN AND/OR REQUIRED WITHIN THE CONSTRUCTION DOCUMENTS OR AS SPECIFIED IN THE CONSTRUCTION SPECIFICATIONS.

M. CONCRETE FORM WORK

1. FORMS: SMOOTH AND FREE OF SURFACE IRREGULARITIES. UTILIZE FORM RELEASE AGENTS.
2. CHAMFER EXPOSED EDGES OF ALL TOWER FOUNDATION SHALL RECEIVE A 1/2 INCH BY 1/2 INCH 45 DEGREE CHAMFER. OTHER EXPOSED EDGES SHALL RECEIVE A TOOLED RADIUS FINISH.
3. UPON COMPLETION, REMOVE ALL FORMS INCLUDING THOSE CONCEALED OR BURIED.
4. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.




4. GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. CONTRACTOR SHALL REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIAL, LITTER AND ALL FOREIGN SUBSTANCES. REMOVE PETROCHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUND TO A SMOOTH EVEN-TEXTURED SURFACE.
3. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURE ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATION INDICATED. IN PARTICULAR THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN 48 HOURS BEFORE YOU DIG, DRILL OR BLAST CALL LOCAL UTILITIES LOCATOR COMPANY.
4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR THE OWNER'S REPRESENTATIVE.
5. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THE SITE DURING THE PERFORMANCE OF THIS CONTRACT.
6. THE CONTRACTOR SHALL RESTORE ALL DAMAGED, PUBLIC OR PRIVATE PROPERTY TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE, SHALL BE REPLACED.
9. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
11. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
12. MAINTAIN FLOW FOR ALL EXISTING UTILITIES
13. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OF OWNER'S REPRESENTATIVE ON THE DRAWINGS OR GEOTECHNICAL REPORT RECOMMENDATIONS.
14. CONTRACTOR TO GRADE ALL AREAS OF THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING OR EQUIPMENT PAD AND THE TOWER.
15. IF NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND REGRADING ROADWAY AND ANY DISTURBED AREAS FOLLOWING INSTALLATION OF UTILITIES.
16. NO COMMERCIAL MESSAGES TO BE DISPLAYED ON TOWER
17. WATER AND SEWER SERVICES ARE NOT REQUIRED FOR THE DEVELOPMENT
18. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL UNLESS OTHERWISE NOTED.
19. ELECTRICAL DRAWINGS HAVE BEEN REVIEWED AND SEALED FOR STRUCTURAL PURPOSES ONLY.

SITE LEGENDS

- CENTERLINE
- PROPERTY/LEASE LINE
- GROUND CONDUCTOR
- - - - - A - - - - - COAXIAL CABLE
- - - - - X - - - - - CHAIN LINK FENCING
- OVERHEAD TELEPHONE LINE
- OVERHEAD POWER LINE
- E —— POWER RUN
- F/P —— FIBER/POWER RUN
- TELCO RUN
- T/E —— POWER/TELCO RUN
- GROUNDING CONDUCTOR
- - - - - SPARK ZONE AND WORKING CLEARANCE

SYMBOLS & MATERIAL

-  DETAIL REFERENCE
-  ELEVATION REFERENCE
-  SECTION REFERENCE

**T-Mobile**  
**T-MOBILE NORTHEAST LLC**  
 35 GRIFFIN ROAD  
 BLOOMFIELD, CT 06002

**NORTHEAST**  
 SITE SOLUTIONS  
*Zensky Wireless Development*  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**Trylon**  
*Speed, Quality, Credibility*  
 1825 W. WALNUT HILL LANE, SUITE 120  
 IRVING, TEXAS 75038

**T-MOBILE SITE NUMBER:**  
**CT11229A**  
 111 SCHOOL HOUSE ROAD  
 MILFORD, CT 06460  
 EXISTING 140'-0" MONOPOLE

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/22/2022	RC	PRELIMINARY	----
0	07/15/2022	RC	ISSUE FOR CONSTRUCTION	----
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2	04/26/2023	RC	ISSUE FOR CONSTRUCTION	----

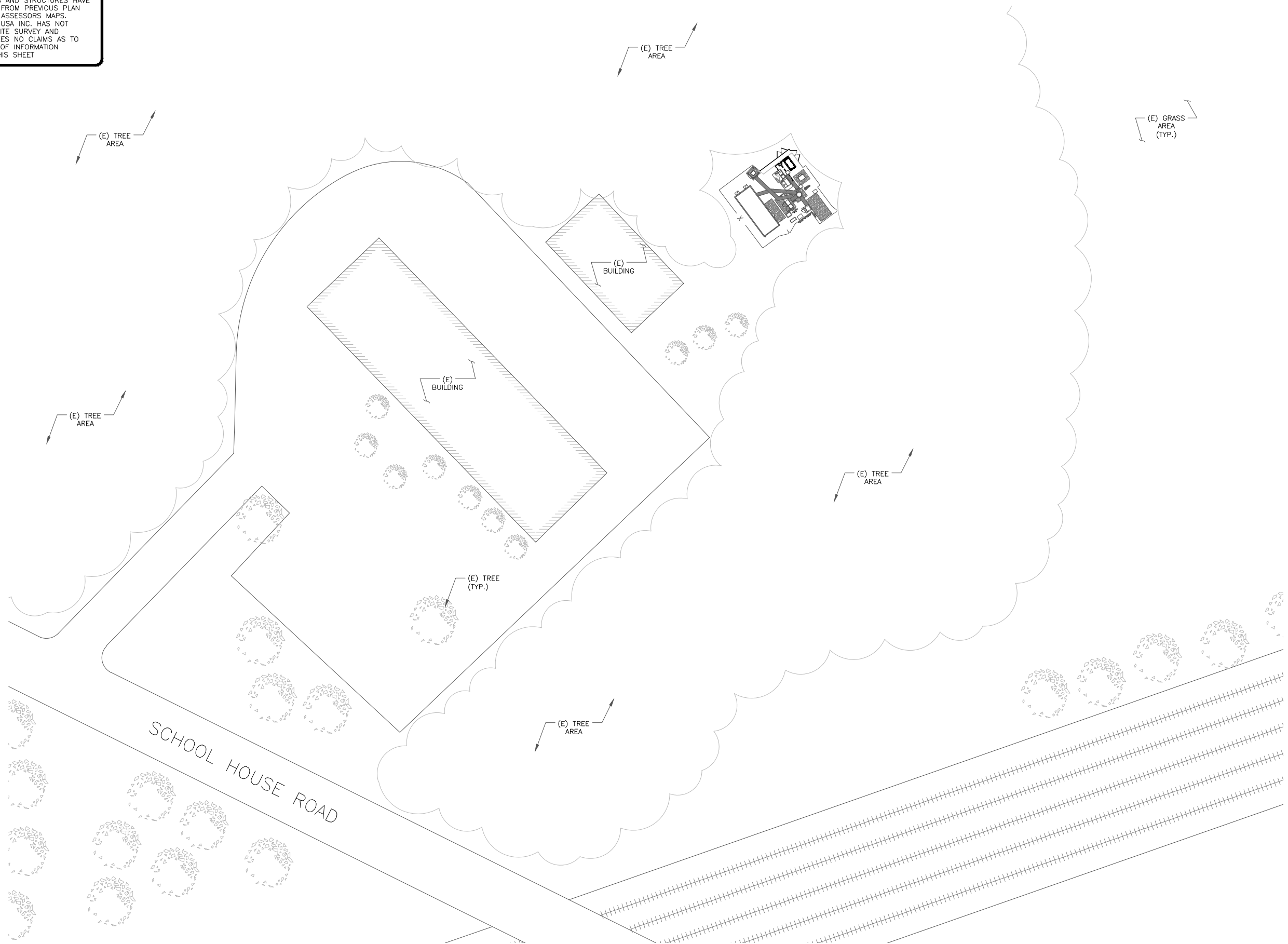
STATE OF CONNECTICUT  
 JAMES ABERNATHY  
 No. 31022  
 4.27.23  
 LICENSED PROFESSIONAL ENGINEER

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  
**REVISION:** 2

**SITE PLAN DISCLAIMER:**

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSOR'S MAPS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET



1 OVERALL SITE PLAN  
 SCALE: 1"=30'-0" (FULL SIZE)  
 1"=60'-0" (11x17)

**T-Mobile**  
 T-MOBILE NORTHEAST LLC  
 35 GRIFFIN ROAD  
 BLOOMFIELD, CT 06002

**NORTHEAST SITE SOLUTIONS**  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**Trylon**  
 Speed, Quality, Credibility  
 1825 W. WALNUT HILL LANE, SUITE 120  
 IRVING, TEXAS 75038

T-MOBILE SITE NUMBER:  
**CT11229A**  
 111 SCHOOL HOUSE ROAD  
 MILFORD, CT 06460  
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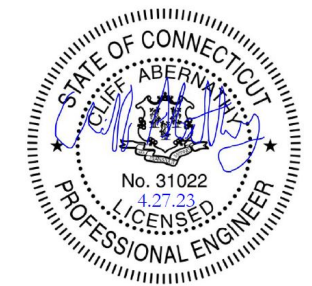
SHEET NUMBER: **C-1.1**      REVISION: **2**



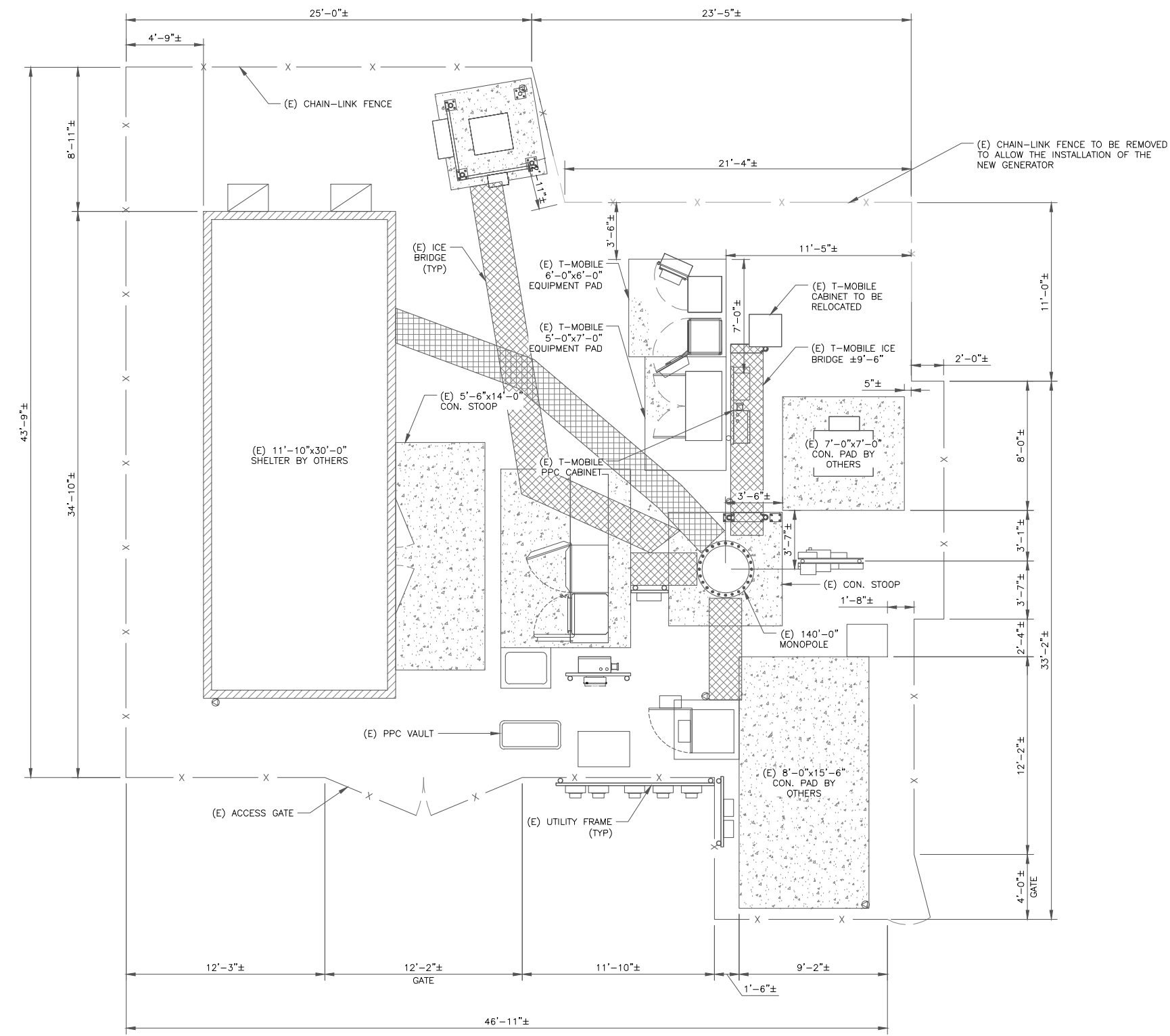
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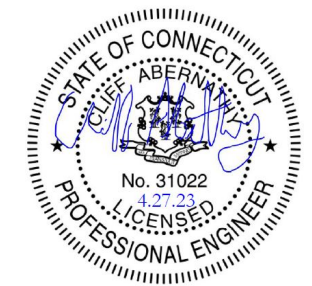


**1** EXISTING SITE PLAN  
 SCALE: 1/4"=1'-0" (FULL SIZE)  
 1/8"=1'-0" (11x17)

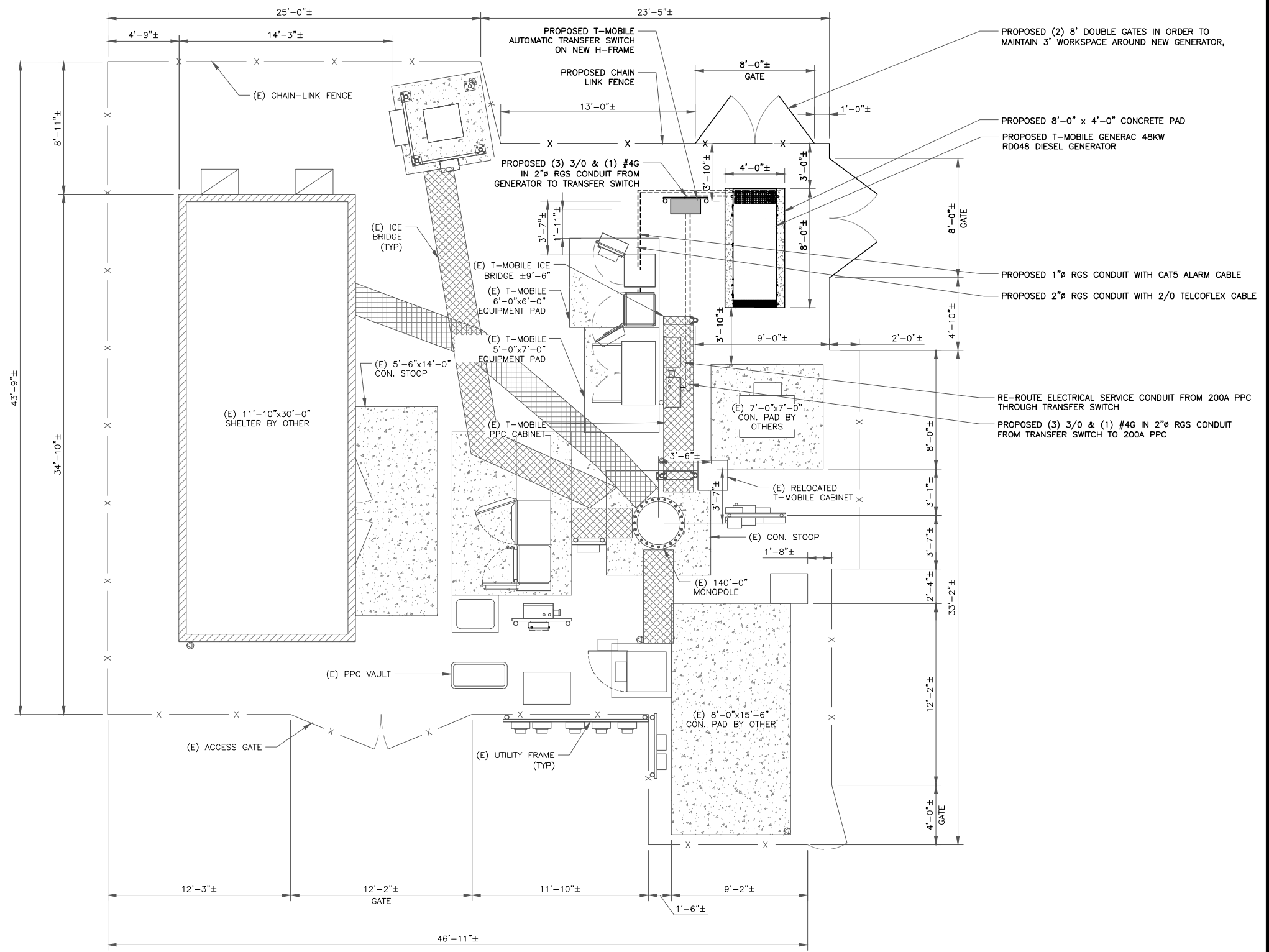
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 111 SCHOOL HOUSE ROAD  
 MILFORD, CT 06460  
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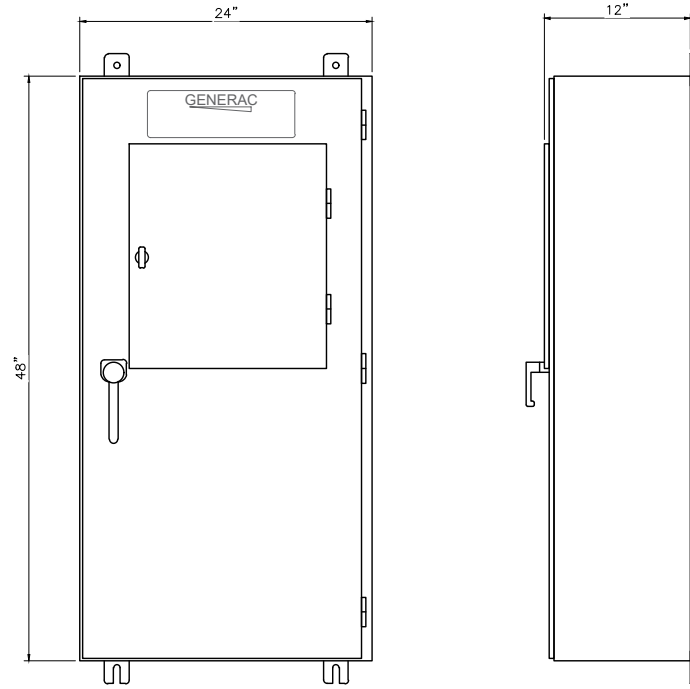
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**1** PROPOSED SITE PLAN  
 SCALE: 1/4"=1'-0" (FULL SIZE)  
 1/8"=1'-0" (11x17)

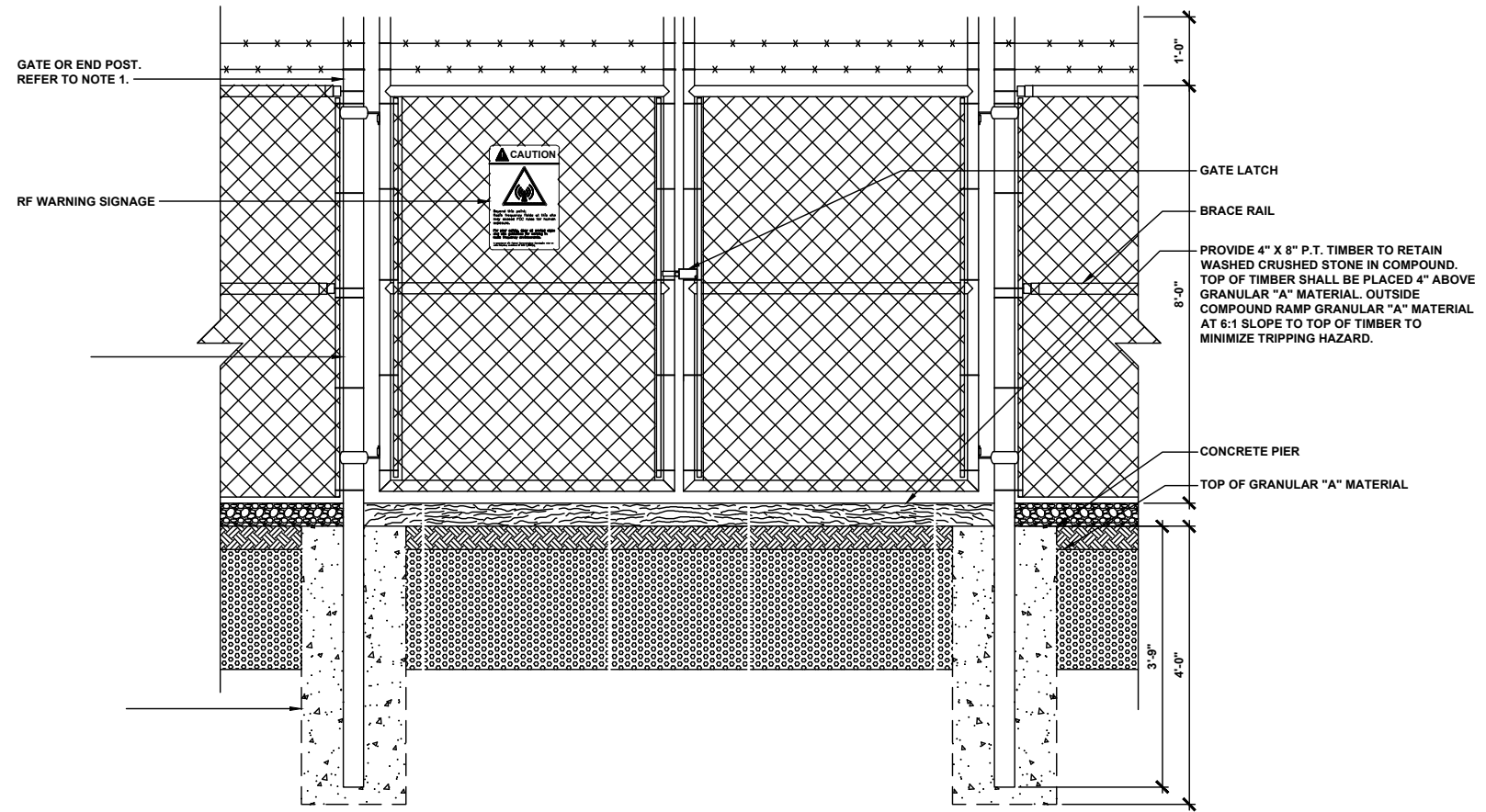
MANUFACTURER: GENERAC  
 MODEL: TTS SERIES  
 RATING: 120/240V, 100-400A, 600VCA, 1P  
 DIMENSIONS: 48" H x 24" W x 12" D  
 WEIGHT: 210 LBS

NOTE: ATS INCLUDES CAMLOCK

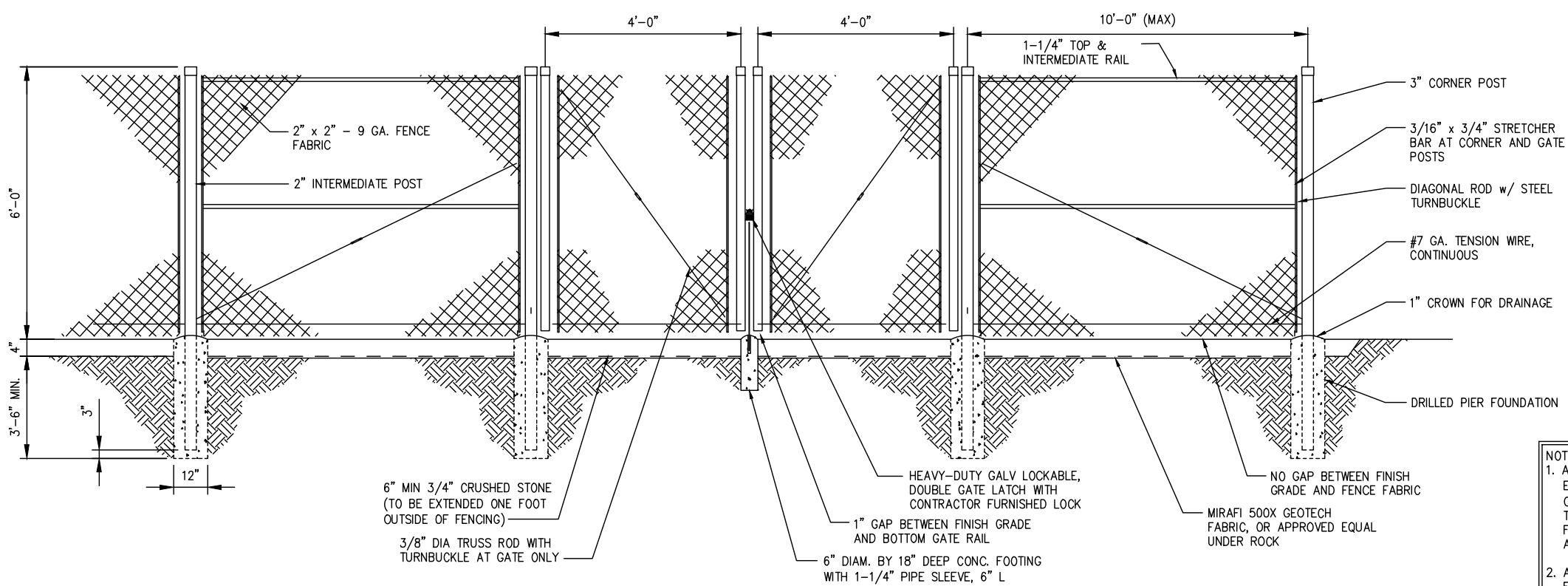


FRONT VIEW SIDE VIEW

1 ATS CABINET SPECIFICATIONS  
 SCALE: NOT TO SCALE



2 GATE DETAILS  
 SCALE: NOT TO SCALE



3 FENCE DETAILS  
 SCALE: NOT TO SCALE

NOTE:  
 1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN ROCK: IF ROCK IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLower THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE ROCK. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF ROCK IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.  
 2. ATTACH EACH GATE WITH 3 NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL. (THREE POINT HINGE)

**T-Mobile**  
 T-MOBILE NORTHEAST LLC  
 35 GRIFFIN ROAD  
 BLOOMFIELD, CT 06002

**NORTHEAST SITE SOLUTIONS**  
 420 MAIN STREET, BLDG 4  
 STURBRIDGE, MA 01566  
 203-275-6669

**Trylon**  
 Speed, Quality, Credibility  
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T-MOBILE SITE NUMBER:  
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STATE OF CONNECTICUT  
 JAMES ABERNETHY  
 No. 31022  
 4.27.23  
 LICENSED PROFESSIONAL ENGINEER

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SHEET NUMBER: **C-2** REVISION: **2**



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



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



*Image used for illustration purposes only*



**Codes and Standards**

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

- UL2200, UL508, UL489, UL142
- CSA 22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99
- ISO 3046, 8528, 9001
- NEMA ICS1, ICS10, MG1, 250, ICS6, AB1
- ANSI/IEEE C62.41

**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.

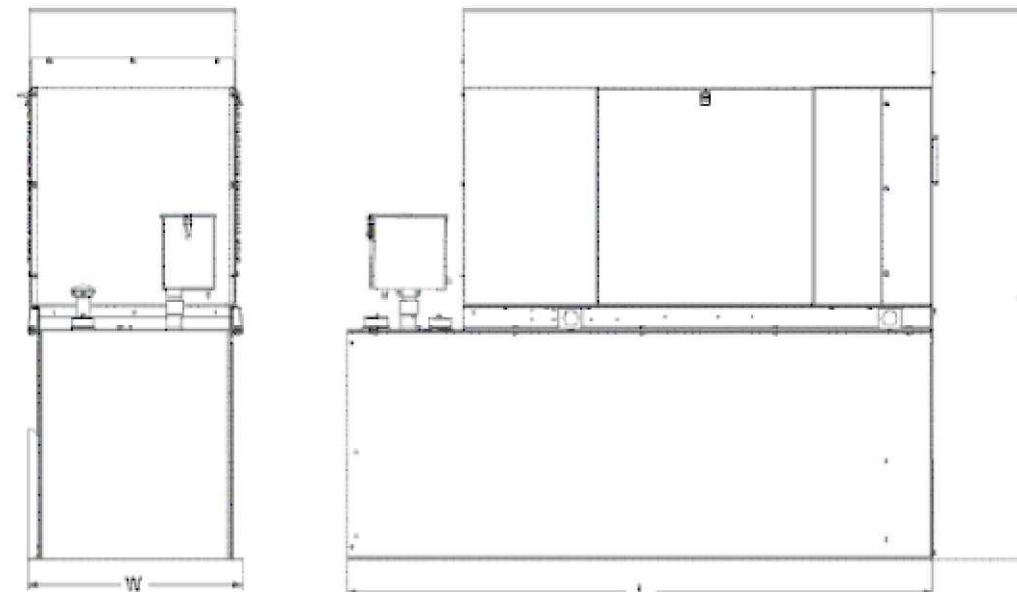
Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

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\***



**ENCLOSED UNIT with 48hour Tank**

L x W x H in (mm)	95.4 (2,422) x 35.0 (880) x 99.3 (2,289)
Sound output in dB(A) at 23ft with generator operating at normal Load	85

**T-Mobile**  
 T-MOBILE NORTHEAST LLC  
 35 GRIFFIN ROAD  
 BLOOMFIELD, CT 06002

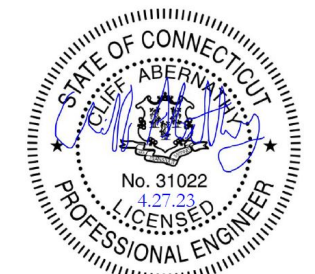
**NORTHEAST SITE SOLUTIONS**  
 420 MAIN STREET, BLDG 4  
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**Trylon**  
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 1825 W. WALNUT HILL LANE, SUITE 120  
 IRVING, TEXAS 75038

T-MOBILE SITE NUMBER:  
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 EXISTING 140'-0" MONOPOLE

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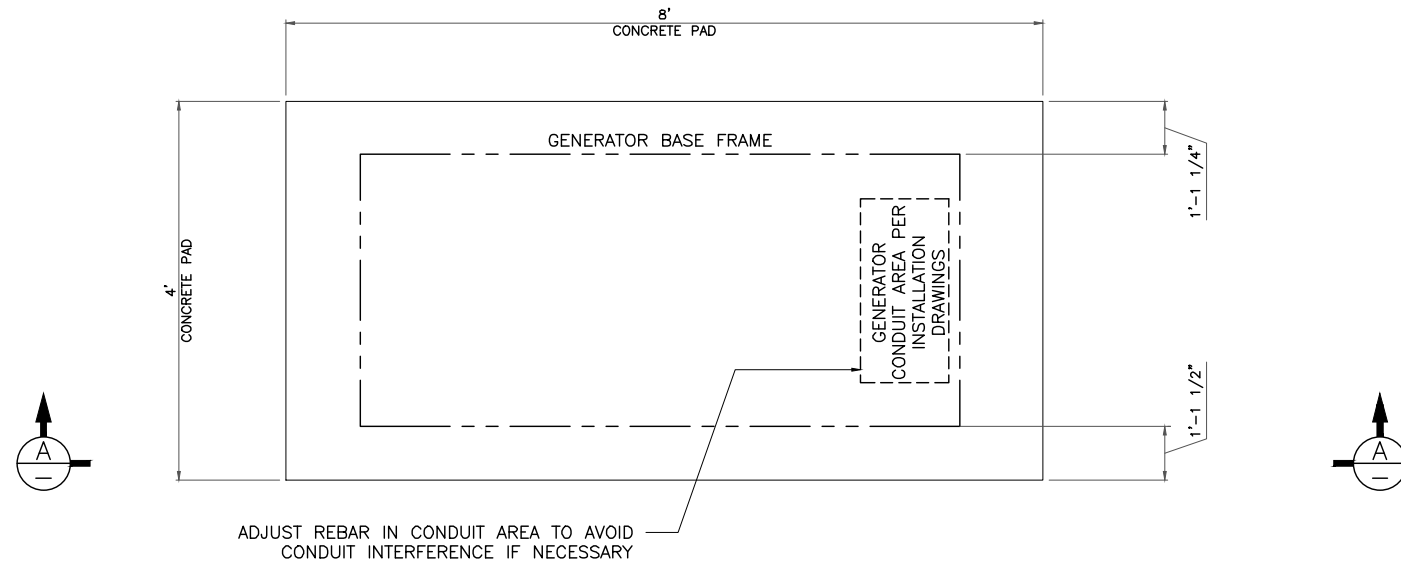
<b>SHEET NUMBER:</b> C-3	<b>REVISION:</b> 2
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**NOTES:**

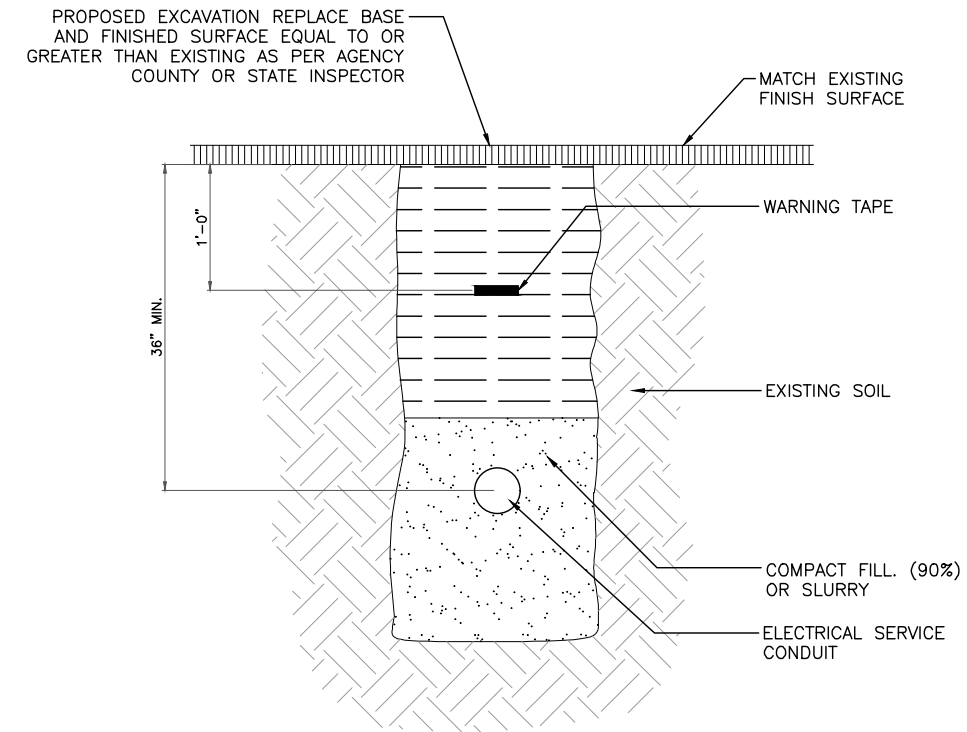
1. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-14) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACIW301, ACIW318, ASTM A184 AND ASTM A185.
2. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE

3. AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS ASTM C172, ASTM C31 AND ASTM C39 UNLESS OTHERWISE NOTED. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDING WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "8" AND ALL HOOKS SHALL BE STANDARD, UNLESS NOTED OTHERWISE.
4. DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI STD-315-92).

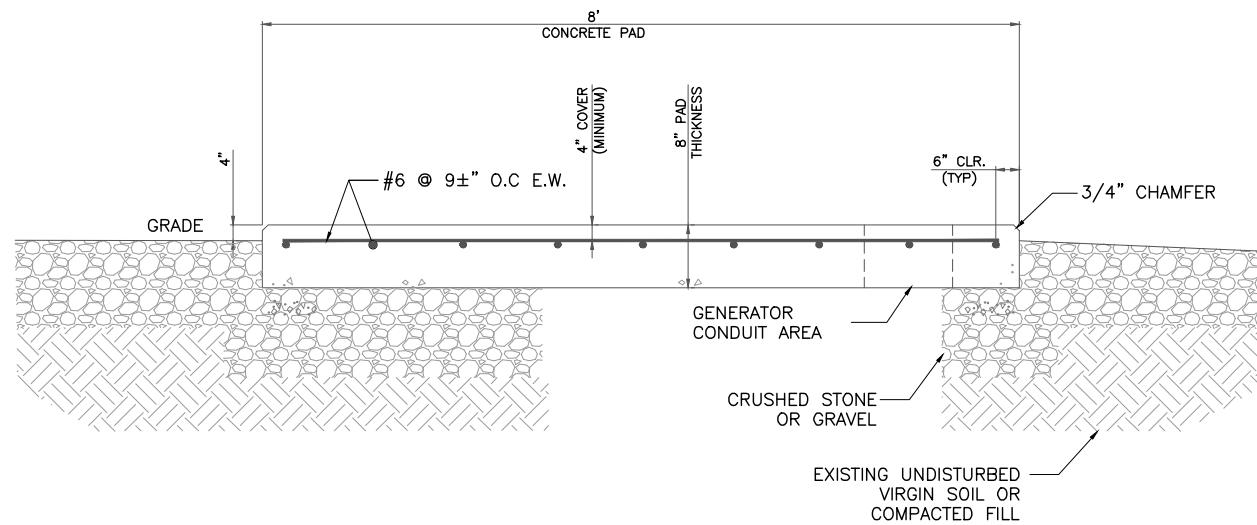
5. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" IN ACCORDANCE WITH ACI 301 SECTION 4.2.2. UNLESS OTHERWISE NOTED.
6. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. CONCRETE COVER SHALL DEPEND ON WHETHER CONCRETE IS PRE-CAST OR CAST IN PLACE.
7. TOP OF FOUNDATION TO HAVE A "BRUSH FINISH".
8. EXPOSED FINISHED SURFACE IS NOT TO HOLD WATER.
9. ALL SURFACES ARE TO BE CLEANED OF ANY RESIDUAL CONCRETE FROM SPLASHING OR SPILLS.



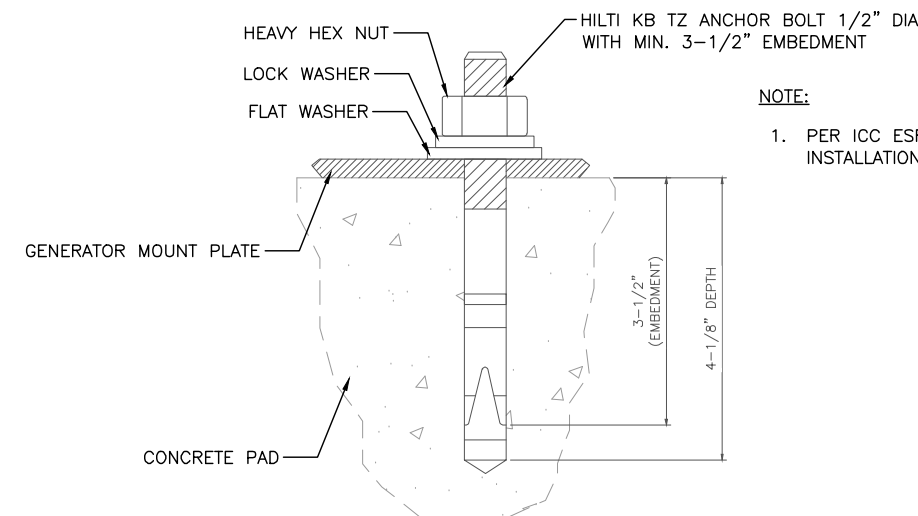
1 FOUNDATION PLAN  
SCALE: NOT TO SCALE



2 UTILITY TRENCH  
SCALE: NOT TO SCALE



4 SECTION A-A  
SCALE: NOT TO SCALE



**NOTE:**

1. PER ICC ESR-3037 SECTION 4.3 INSTALLATION TORQUE OF 80FT/LB

5 ANCHOR BOLT DETAIL  
SCALE: NOT TO SCALE

**T-Mobile**  
T-MOBILE NORTHEAST LLC  
35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002



420 MAIN STREET, BLDG 4  
STURBRIDGE, MA 01566  
203-275-6669



Speed, Quality, Credibility  
1825 W. WALNUT HILL LANE, SUITE 120  
IRVING, TEXAS 75038

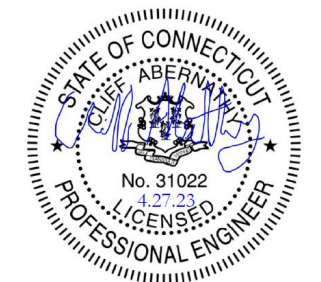
T-MOBILE SITE NUMBER:  
**CT11229A**

111 SCHOOL HOUSE ROAD  
MILFORD, CT 06460

EXISTING 140'-0" MONOPOLE

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	06/22/2022	RC	PRELIMINARY	----
0	07/15/2022	RC	CONSTRUCTION ISSUE FOR	----
1	08/26/2022	RC	CONSTRUCTION ISSUE FOR	----
2	04/26/2023	RC	CONSTRUCTION ISSUE FOR	----



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SHEET NUMBER:

S-1

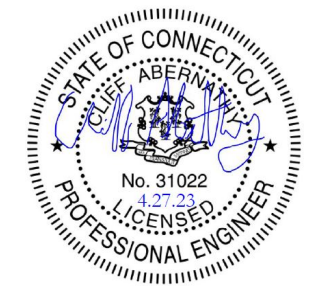
REVISION:

2

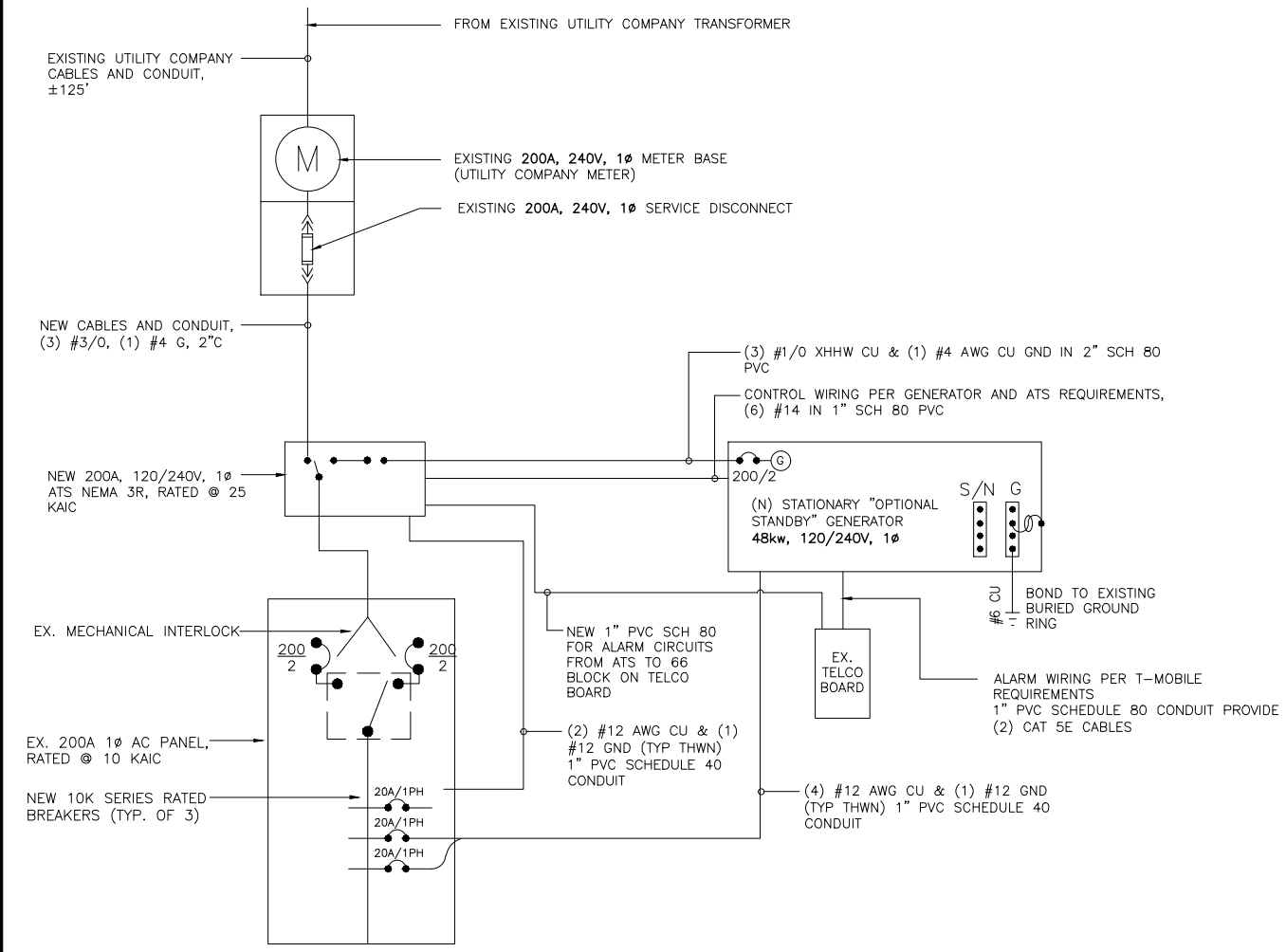
T-MOBILE SITE NUMBER:  
**CT11229A**  
 111 SCHOOL HOUSE ROAD  
 MILFORD, CT 06460  
 EXISTING 140'-0" MONOPOLE

**ISSUED FOR:**

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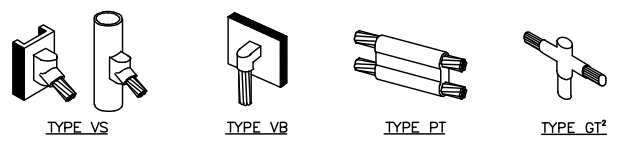
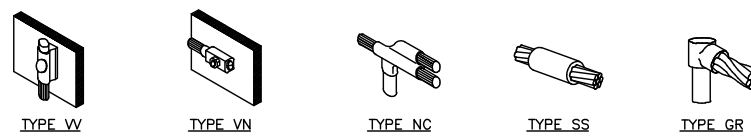


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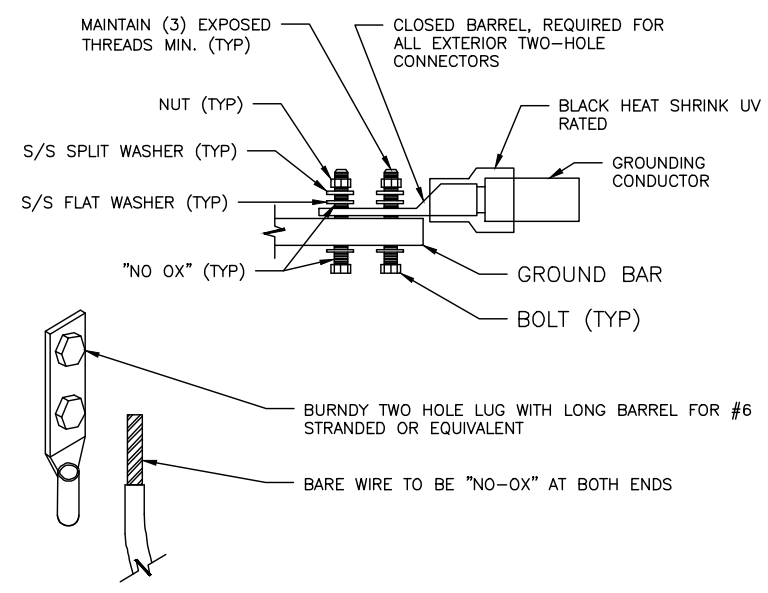
PENDING





- NOTE:**
1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
  2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

**1** CADWELD GROUNDING CONNECTIONS  
SCALE: NOT TO SCALE



- NOTES:**
1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
  2. COAT ALL SURFACES WITH ANTIOXIDANT COMPOUND BEFORE MATING.
  3. ALL EXPOSED EASILY ACCESSIBLE GROUND BARS SHALL BE TAGGED "DO NOT DISCONNECT".
  4. COAT ALL BARRELS WITH ANTIOXIDANT BEFORE CRIMPING.

**2** EXTERIOR GROUND BAR LUG  
SCALE: NOT TO SCALE

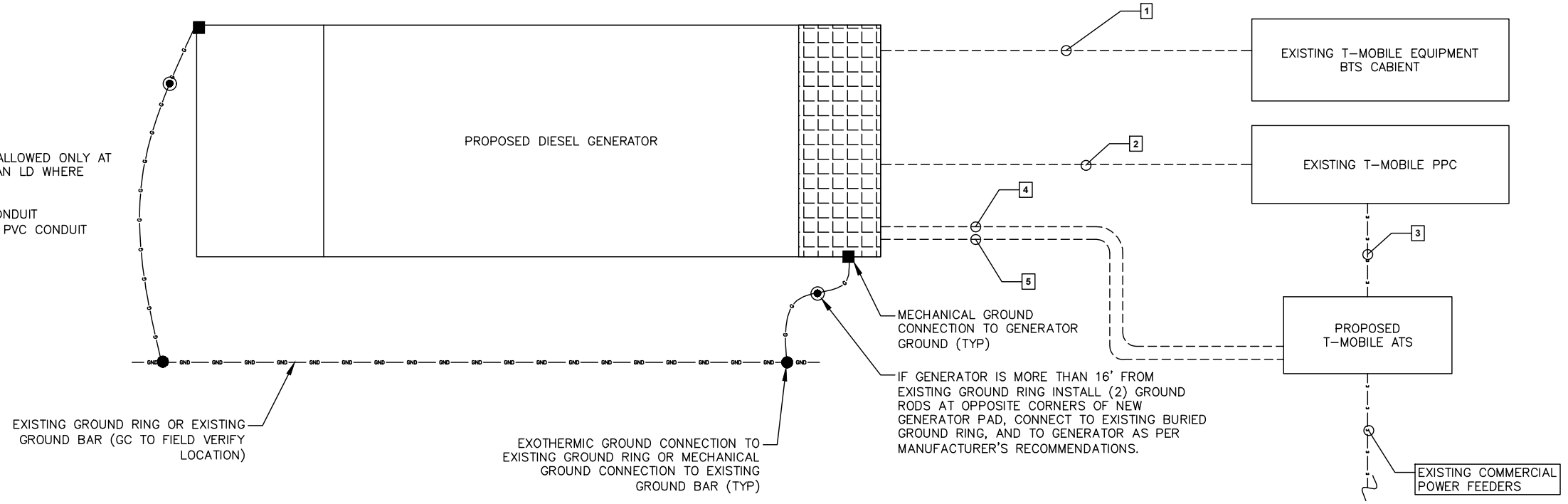
**NOTES:**

1. BOND PPC AND EQUIPMENT ENCLOSURES TO BURIED GROUNDING CONDUCTOR. USE A NEMA DRILLING, TWO-HOLE CONNECTOR FOR BONDS TO EQUIPMENT ENCLOSURES; USE AN APPROVED CONDUIT CLAMP FOR CONNECTIONS TO SERVICE CONDUITS. EXOTHERMICALLY WELD CONNECTIONS TO GROUNDING CONDUCTOR.
2. BOND ALL EXTERIOR CONDUITS, PIPES, AND CYLINDRICAL METALLIC OBJECTS WITH A PENN-UNION GT SERIES CLAMP, BLACKBURN GUV SERIES CLAMP, OR A BURNDY GAR 3900BU SERIES CLAMP ONLY. NO SUBSTITUTES ACCEPTED.
3. AFTER INSTALLATION IS COMPLETED IN CONFORMANCE WITH THESE DRAWINGS AND THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL CONFIRM THE IMPEDANCE (GROUND RESISTANCE) TO EARTH AND BETWEEN GROUNDING CIRCUITS. THE GROUNDING SYSTEM IS EXPECTED TO PROVIDE FOR A MAXIMUM EARTH RESISTANCE OF 6 OHMS. THE CONTRACTOR SHALL NOTIFY T-MOBILE PRIOR TO ALL TESTING AND SHALL FURTHER NOTIFY T-MOBILE IN THE EVENT THE EARTH RESISTANCE IS GREATER THAN 5 OHMS.
4. ALL GROUNDING INSTALLATION IS TO BE IN ACCORDANCE WITH THE T-MOBILE WIRELESS STANDARDS AND SUPPLEMENTS PROVIDED BY THE PROJECT MANAGER.
5. ALL BENDS ON THE GROUND CONDUCTOR TO BE MADE WITH A MINIMUM 24" RADIUS.
6. ALL GROUND LEADS MUST TERMINATE AT MGB, NOT HALO.
7. MUST USE INSPECTION HOLE LUGS FOR GROUNDING.
8. NO OVERLAPPING GROUND HARDWARE.
9. WHERE MECHANICAL CONNECTIONS ARE USED (TWO HOLE OR CRIMP), APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS SUCH AS NO-OX OR APPROVED EQUAL.

**3** GENERAL GROUNDING NOTES  
SCALE: NOT TO SCALE

CONDUIT SCHEDULE	
KEY	DESCRIPTION
1	1" CONDUIT W/PULLSTRINGS FOR ALARM CABLES (FROM GENERATOR TO BTS)
2	2" CONDUIT W/PULLSTRING (FROM GENERATOR TO PPC FOR BLOCK HEATER/BATTERY CHARGER)
3	2" CONDUIT W/ PULLSTRING (FROM ATS TO PPC, FOR POWER FEEDERS)
4	2" CONDUIT W/ PULLSTRING (FROM GENERATOR TO ATS FOR EMERGENCY POWER FEEDERS)
5	1" CONDUIT W/ PULLSTRING (FROM GENERATOR TO ATS, FOR CONTROL CABLE)

- NOTES:**
1. HAND DIG ONLY WITHIN COMPOUND.
  2. CONDUITS SHALL BE SWEEPS. 90" TURNS ALLOWED ONLY AT INACCESSIBLE LOCATIONS. GC TO PROVIDE AN LD WHERE POSSIBLE AT ALL 90" TURNS.
  3. CONDUIT TYPES SHALL BE AS FOLLOWS:
    - BELOW GRADE CONDUITS: SCH. 40 PVC CONDUIT
    - BELOW ROAD/PARKING CONDUITS: SCH 80 PVC CONDUIT
    - EXTERIOR ABOVE GRADE CONDUITS: RGS
    - INTERIOR CONDUITS: IMC



GROUNDING LEGEND	
●	GROUND ROD
○	MECHANICAL CONNECTION
■	EXOTHERMIC CONNECTION
—	GROUND WIRE

**4** GENERATOR GROUNDING DETAIL  
SCALE: NOT TO SCALE

**T-Mobile**  
T-MOBILE NORTHEAST LLC  
35 GRIFFIN ROAD  
BLOOMFIELD, CT 06002

**NORTHEAST SITE SOLUTIONS**  
420 MAIN STREET, BLDG 4  
STURBRIDGE, MA 01566  
203-275-6669

**Trylon**  
Speed, Quality, Credibility  
1825 W. WALNUT HILL LANE, SUITE 120  
IRVING, TEXAS 75038

T-MOBILE SITE NUMBER:  
**CT11229A**  
111 SCHOOL HOUSE ROAD  
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EXISTING 140'-0" MONOPOLE

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STATE OF CONNECTICUT  
CLIFF ABERNATHY  
No. 31022  
4.27.23  
LICENSED PROFESSIONAL ENGINEER

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SHEET NUMBER: **G-1**      REVISION: **2**

# Exhibit D



**RD048 | 3.4L | 48 kW**

**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC®** | **INDUSTRIAL POWER**

### Standby Power Rating

48 kW, 60 kVA, 60 Hz



Image used for illustration purposes only



## Codes and Standards

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



UL2200, UL508, UL489, UL142



CSA 22.2



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99



ISO 3046, 8528, 9001



NEMA ICS1, ICS10, MG1, 250, ICS6, AB1



ANSI/IEEE C62.41

## 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.

## 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
- 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
- Solenoid Activated Starter Motor
- Smart Battery Charger

### ALTERNATOR SYSTEM

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

### 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™ Controller

- Two-Line Plain Text LCD Display
- Programmable Start Delay Between 10-30 seconds
- 10 second Engine Start Sequence
- 5 second Engine Warm Up
- 1 minute Engine Cool-Down
- 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 Maintenance Kit

### CONTROL SYSTEM

- Mobile Link™ 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

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General

Make	Generac
Cylinder #	4
Type	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	Electronic
Frequency Regulation (Steady State)	±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
Poles	4
Field Type	Rotating
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Direct
Bearings	Single Sealed
Coupling	Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Number of Sensed Phases	2
Regulation Accuracy (Steady State)	±1.0%

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

**OPERATING DATA**

**POWER RATINGS**

Single-Phase 120/480 VAC @0.1pf	48 kW	Standby 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**

Air Flow (Radiator and Alternator)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	Standby 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 every 1000 ft over 3000 ft	
Maximum Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.50 (0.12)

**COMBUSTION AIR REQUIREMENTS**

Flow at Rated Power ft <sup>3</sup> /min (m <sup>3</sup> /min)	Standby 190 (5.38)
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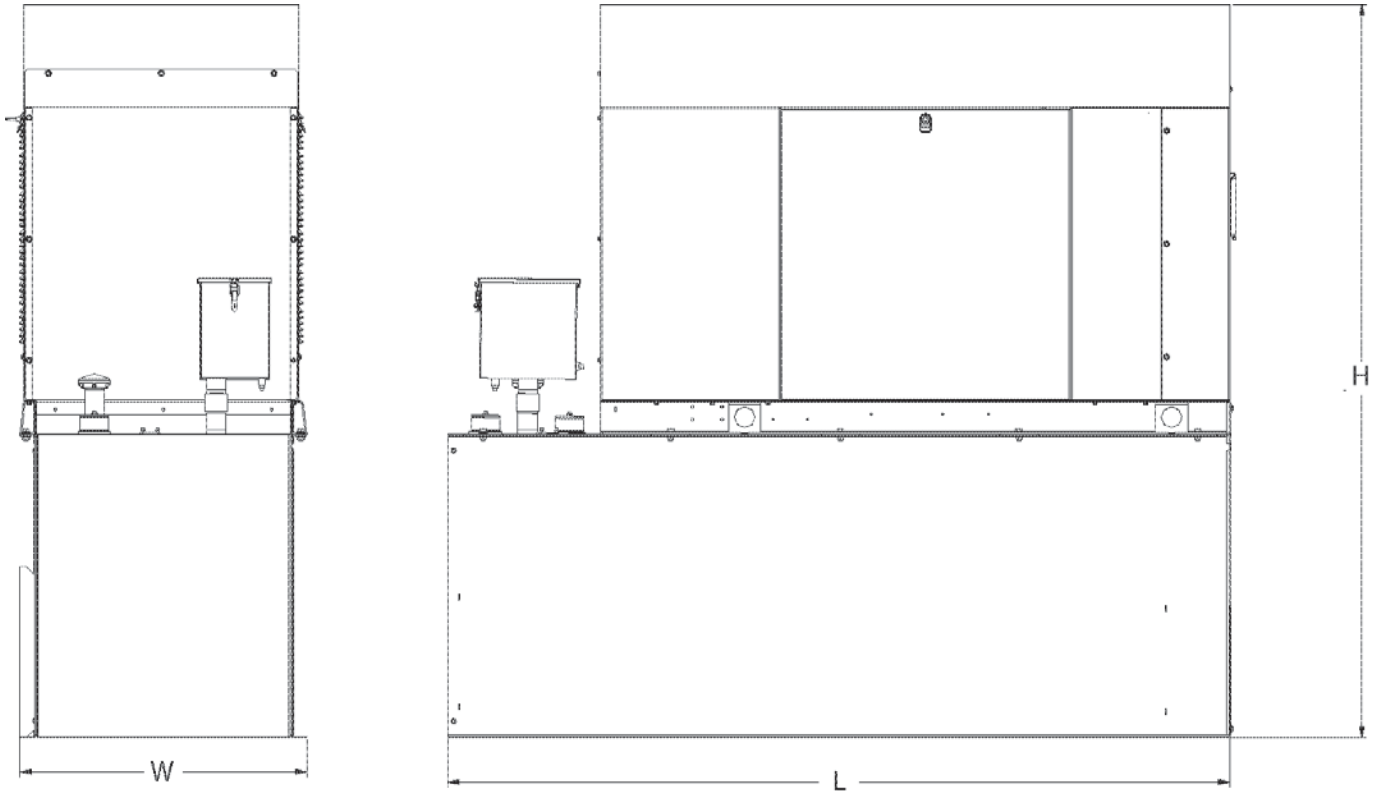
**ENGINE**

**EXHAUST**

Rated Engine Speed	rpm	Standby 1,800	Exhaust Flow (Rated Output)	ft <sup>3</sup> /min (m <sup>3</sup> /min)	Standby 448 (12.7)
Horsepower at rated kW	HP	85	Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

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

**DIMENSIONS AND WEIGHTS\***



**ENCLOSED 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.

<b>YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER</b>

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.



## Protector™ Series

### Diesel Generator Set

#### INCLUDES:

- Two Line LCD Multilingual Digital Evolution™ Controller (English/Spanish/French/Portuguese) with external viewing window for easy indication of generator status and breaker position.
- Isochronous Electronic Governor
- Sound Attenuated Aluminum Enclosure
- Smart Battery Charger
- UV/Ozone Resistant Hoses
- ±1% Voltage Regulation
- Integrated Base Tank Provides Up to 40 Hours of Run Time
- 5 Year Limited Warranty\*
- UL 2200 / UL142 / ULC S601 Listed
- Meets code requirements for External Vent and Fill

#### Standby Power Rating

- Model RD015 - 15 kW 60 Hz
- Model RD020 - 20 kW 60 Hz
- Model RD030 - 30 kW 60 Hz
- Model RD048 - 48 kW 60 Hz (single phase only)
- Model RD050 - 50 kW 60 Hz (three phase only)



QUIET-TEST



\*Built in the USA using domestic and foreign parts

Meets EPA Emission Regulations  
CA/MMA Emissions Compliant

\* 5 year warranty applicable to U.S. and Territories/Canada. International warranty is 3 year limited.

## FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- **TEST CRITERIA:**
  - ✓ PROTOTYPE TESTED
  - ✓ SYSTEM TORSIONAL TESTED
  - ✓ NEMA MG1-22 EVALUATION
  - ✓ MOTOR STARTING ABILITY
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. Digital voltage regulation at ±1%.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.
- **GENERAC TRANSFER SWITCHES.** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility.

# GENERAC®



**15 • 20 • 30 • 48 • 50 kW**

**application & engineering data**

**GENERATOR SPECIFICATIONS**

Type	Synchronous
Rotor Insulation Class	H (15 & 20 kW) or F (30, 48 & 50 kW)
Stator Insulation Class	H
Telephone Interference Factor (TIF)	<50
Alternator Output Leads 1-Phase	3 wire
Alternator Output Leads 3-Phase	6 wire
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Excitation System	Direct

**VOLTAGE REGULATION**

Type	Electronic
Sensing	Single Phase
Regulation	± 1%
Features	Adjustable Voltage & Gain

**GOVERNOR SPECIFICATIONS**

Type	Electronic Isochronous
Steady State Regulation	± 0.25%

**ELECTRICAL SYSTEM**

Battery Charge Alternator	50 Amp (15 & 20 kW) or 70 Amp (30, 48 & 50 kW)
Smart Battery Charger	2 Amp
Recommended Battery (battery not included)	Group 27F, 700 CCA
System Voltage	12 Volts

**GENERATOR FEATURES**

Revolving field heavy duty generator  
 Directly connected to the engine  
 Operating temperature rise 120°C above a 40°C ambient  
 Class H insulation is NEMA rated  
 Class F insulation is NEMA rated  
 All models fully prototype tested

**ENCLOSURE FEATURES**

Aluminum weather protective enclosure	Ensures protection against mother nature. Electrostatically applied textured epoxy paint for added durability.
Enclosed critical grade muffler	Quiet, critical grade muffler is mounted inside the unit to prevent injuries and maximize sound dampening.
Small, compact, attractive	Makes for an easy, eye appealing installation.
SAE	Sound attenuated enclosure ensures quiet operation.

(All ratings in accordance with BS5514, ISO3046, ISO8528, SAE J1349 and DIN6271)



15 • 20 • 30 • 48 • 50 kW

application & engineering data

### ENGINE SPECIFICATIONS: 15 & 20 kW

Make	Generac
Model	In-line
Cylinders	4
Displacement (Liters)	2.28
Bore (in./mm)	3.46/88
Stroke (in./mm)	3.70/94
Compression Ratio	21.3:1
Intake Air System	Naturally Aspirated
Cylinder Head Type	Cast Iron OHV
Piston Type	Aluminum
EPA Emissions Compliance	Emergency Stationary

### ENGINE SPECIFICATIONS: 30 kW

Make	Generac
Model	In-line
Cylinders	4
Displacement (Liters)	2.4
Bore (in./mm)	3.54/90
Stroke (in./mm)	3.70/94
Compression Ratio	21.3:1
Intake Air System	Turbocharged
Cylinder Head Type	Cast Iron OHV
Piston Type	Aluminum
EPA Emissions Compliance	Emergency Stationary

### ENGINE SPECIFICATIONS: 48/50 kW

Make	Generac
Model	In-Line
Cylinders	4
Displacement (Liters)	3.4
Bore in/mm	3.86/98
Stroke in/mm	4.45/113
Compression Ratio	18.5:1
Intake Air System	Turbocharged/Aftercooled
Cylinder Head Type	Cast Iron OHV
Piston Type	Aluminum
EPA Emissions Compliance	Emergency Stationary

### WEIGHTS AND DIMENSIONS

	15 kW	20 kW	30 kW	48 kW	50 kW
Weight (lb/kg)	1380/626		1927/874	2197/997	
Dimensions (LxWxH) (in/cm)	81 x 31 x 50/205 x 78 x 128			95 x 35 x 57/242 x 89 x 145	

### ENGINE LUBRICATION SYSTEM

Oil Pump Type	Gear
Oil Filter Type	Full flow spin-on canister
Crankcase Capacity (quarts/liters)	6.87/6.5 - 15 & 20 kW 6.8/6.4 - 30 kW 7.4/7 - 48 & 50 kW

### ENGINE COOLING SYSTEM

Type	Pressurized radiator - 15 & 20 kW Closed recovery - 30, 48 & 50 kW
Water Pump	Pre-lubed, self-seating
Fan Speed (rpm)	1800 - 15 & 20 kW 2061 - 30 kW 2029 - 48 & 50 kW
Fan Diameter (in./mm)	18.11/460 (15 & 20 kW) 22/559 (30, 48 & 50 kW)
Fan Mode	Pusher

### FUEL SYSTEM

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line (mm/in)	7.94/0.31 (ID)
Fuel Return Line (mm/in)	7.94/0.31 (ID)
Fuel Specification	ASTM
Fuel Filtering (microns)	5 - 15, 20 & 30 kW 10 - 48 & 50 kW

### TANK SPECIFICATIONS

Total Size (gallons/liters)	34/128.7 - 15 & 20 kW 62/234.7 - 30, 48 & 50 kW
Usable Size (gallons/liters)	32/121.1 - 15 & 20 kW 57/215.8 - 30, 48 & 50 kW
Run Time @ 1/2 Load (hrs)	41 - 15 kW 31 - 20 kW 38 - 30 kW 25 - 48 & 50 kW
Listings	UL142 ULC-S601



### 15 • 20 • 30 • 48 • 50 kW

#### GENERATOR OUTPUT VOLTAGE/kW - 60 Hz

		kW (Standby)	Amp (Standby)	CB Size
RD015	120/240 V, 1Ø, 1.0 pf	15	62	70
	120/208 V, 3Ø, 0.8 pf	15	52	60
	120/240 V, 3Ø, 0.8 pf	15	45	50
RD020	120/240 V, 1Ø, 1.0 pf	20	83	100
	120/208 V, 3Ø, 0.8 pf	20	69	80
	120/240 V, 3Ø, 0.8 pf	20	60	70
RD030	120/240 V, 1Ø, 1.0 pf	30	125	150
	120/208 V, 3Ø, 0.8 pf	30	104	125
	120/240 V, 3Ø, 0.8 pf	30	90	100
	277/480 V, 3Ø, 0.8 pf	30	45	50
RD048/ RD050	120/240 V, 1Ø, 1.0 pf	48	200	200
	120/208 V, 3Ø, 0.8 pf	50	173	200
	120/240 V, 3Ø, 0.8 pf	50	150	175
	277/480 V, 3Ø, 0.8 pf	50	75	90

#### SURGE CAPACITY IN AMPS

##### Voltage Dip @ < .4 pf

		Voltage Dip @ < .4 pf	
		15%	30%
RD015	120/240 V, 1Ø	53	129
	120/208 V, 3Ø	37	90
	120/240 V, 3Ø	32	78
RD020	120/240 V, 1Ø	87	211
	120/208 V, 3Ø	59	143
	120/240 V, 3Ø	51	124
RD030	120/240 V, 1Ø	66	168
	120/208 V, 3Ø	59	144
	120/240 V, 3Ø	51	125
RD048/ RD050	277/480 V, 3Ø	26	64
	120/240 V, 1Ø	69	189
	120/208 V, 3Ø	90	218
RD048/ RD050	120/240 V, 3Ø	78	189
	277/480 V, 3Ø	36	87

#### ENGINE FUEL CONSUMPTION

		gal/hr	L/hr
RD015	25% of rated load	0.51	1.93
	50% of rated load	0.79	2.99
	75% of rated load	1.14	4.31
	100% of rated load	1.48	5.58
RD020	25% of rated load	0.67	2.6
	50% of rated load	1.05	3.97
	75% of rated load	1.52	5.32
	100% of rated load	1.98	7.48
RD030	25% of rated load	0.92	3.5
	50% of rated load	1.45	5.5
	75% of rated load	1.96	7.4
	100% of rated load	2.74	10.4
RD048/ RD050	25% of rated load	1.35	5.11
	50% of rated load	2.15	8.14
	75% of rated load	3.06	11.58
	100% of rated load	3.98	15.07

STANDBY RATING: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046-1. Design and specifications are subject to change without notice.

15 • 20 • 30 • 48 • 50 kW

### ENGINE COOLING

	15 kW	20 kW	30 kW	48/50 kW
Air flow (inlet air including alternator and combustion air in cfm/cmm)	2824/80	2824/80	3038/86	2824/80
System coolant capacity (gal/liters)	2.8/10.6	2.8/10.6	2.8/10.6	2.8/10.6
Heat rejection to coolant (BTU per hr/MJ per hr)	63,535/67	63,535/67	111,000/117.1	135,900/143.4
Maximum operation air temperature on radiator (°C/°F)	50/122			
Maximum ambient temperature (°C/°F)	50/122			

### COMBUSTION REQUIREMENTS

Flow at rated power (cfm/cmm)	84.76/2.4	84.76/2.4	90/2.55	190/5.38
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### SOUND EMISSIONS

Sound output in dB(A) at 23 ft (7 m) with generator in exercise mode*	65
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load*	70

\*Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters.

### EXHAUST

Exhaust flow at rated output (cfm/cmm)	98.88/2.8	98.88/2.8	230/6.51	448/12.7
Exhaust temperature at rated output (°C/°F)	604.4/1120	604.4/1120	454.4/850	604.4/1120

### ENGINE PARAMETERS

Rated Synchronous RPM	1800			
HP at rated kW	26.4	33.5	49	85

### POWER ADJUSTMENT FOR AMBIENT CONDITIONS

Temperature Deration .....	3% for every 5 °C above 25 °C or 1.7% for every 5 °F above 77 °F
Altitude Deration (15, 30, 48 & 50 kW) .....	1% for every 100 m above 915 m or 3% for every 1000 ft above 3000 ft
Altitude Deration (20 kW) .....	1% for every 100 m above 305 m or 3% for every 1000 ft above 1000 ft

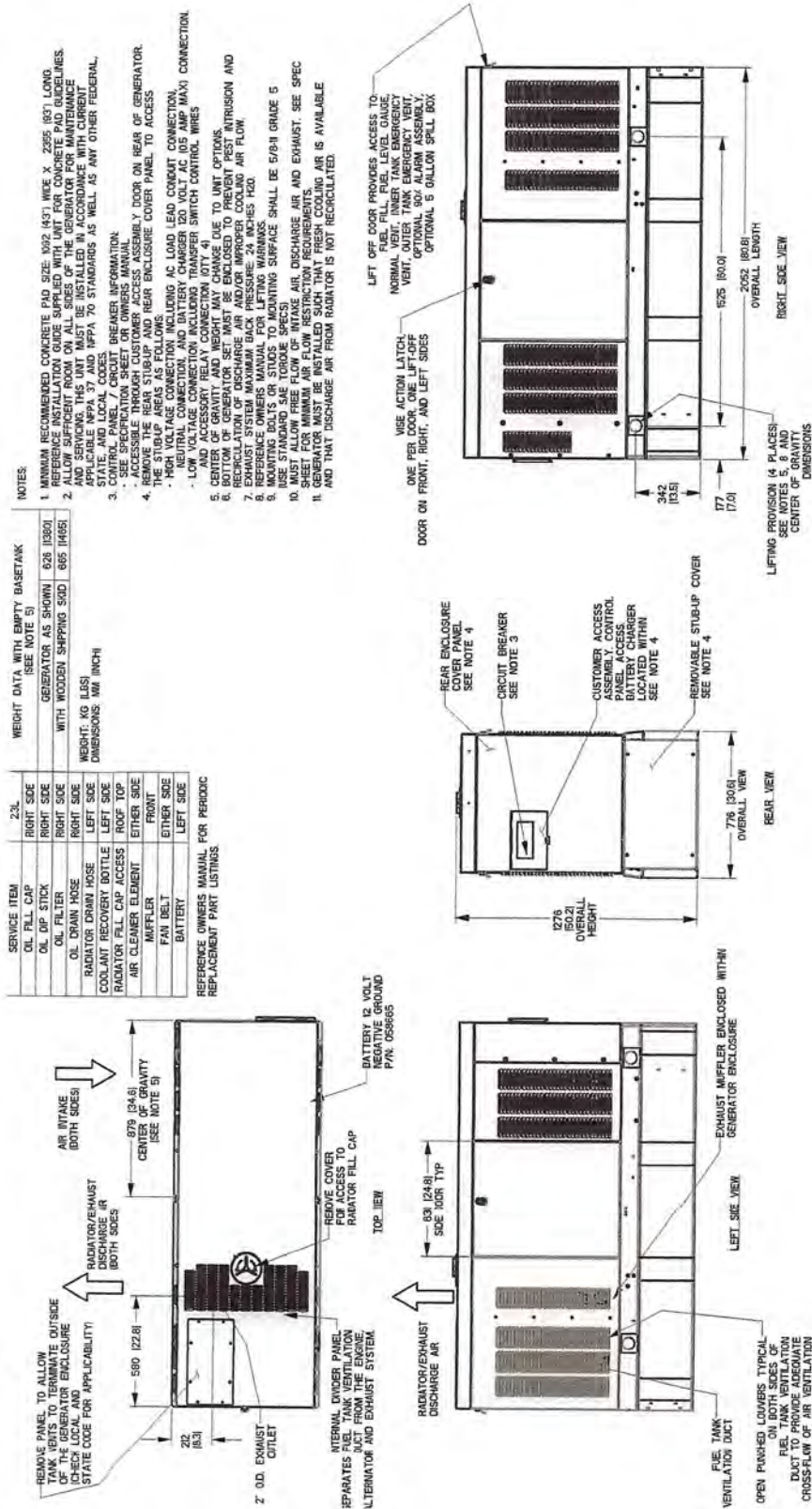
### CONTROLLER FEATURES

2-Line Plain Text Multilingual LCD Display .....	Simple user interface for ease of operation.
Mode Buttons: Auto .....	Automatic Start on Utility failure. Programmable 7 day exerciser.
Manual .....	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Off .....	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance Messages .....	Standard
Engine Run Hours Indication .....	Standard
Programmable start delay between 2-1500 seconds .....	Standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility Adjustable .....	From 140-171 V/190-216 V
Future Set Capable Exerciser/Exercise Set Error Warning .....	Standard
Run/Alarm/Maintenance Logs .....	50 Events Each
Engine Start Sequence .....	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration).
Starter Lock-out .....	Starter cannot re-engage until 5 sec after engine has stopped.
Smart Battery Charger .....	Standard
Charger Fault/Missing AC Warning .....	Standard
Low Battery/Battery Problem Protection and Battery Condition Indication .....	Standard
Automatic Voltage Regulation with Over and Under Voltage Protection .....	Standard
Under-Frequency/Overload/Stepper Overcurrent Protection .....	Standard
Safety Fused/Fuse Problem Protection .....	Standard
Automatic Low Oil Pressure/High Oil Temperature Shutdown .....	Standard
Overcrank/Overspeed (@ 72 Hz)/RPM Sense Loss Shutdown .....	Standard
High Engine Temperature Shutdown .....	Standard
Internal Fault/Incorrect Wiring Protection .....	Standard
Common External Fault Capability .....	Standard
Field Upgradable Firmware .....	Standard



15 & 20 kW

Drawing #0K7025-C (1 of 2)



WEIGHT DATA WITH EMPTY BASETANK (SEE NOTE 5)

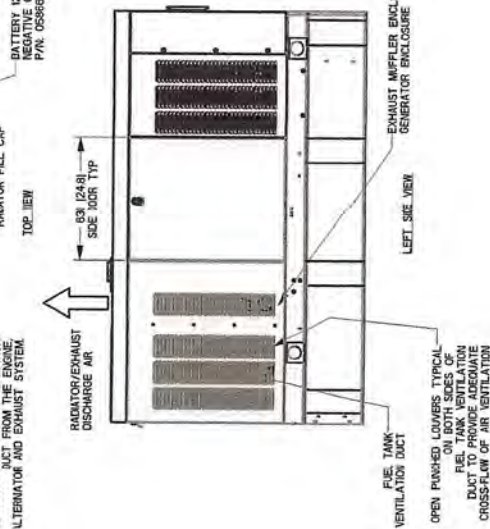
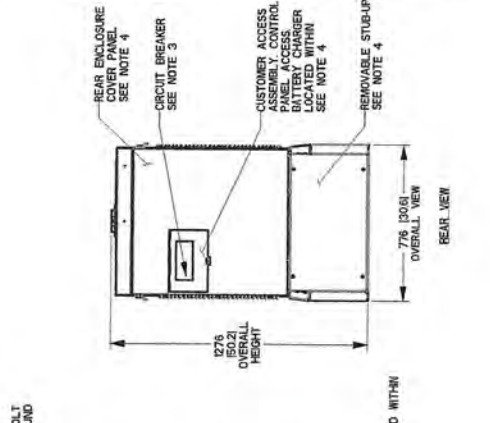
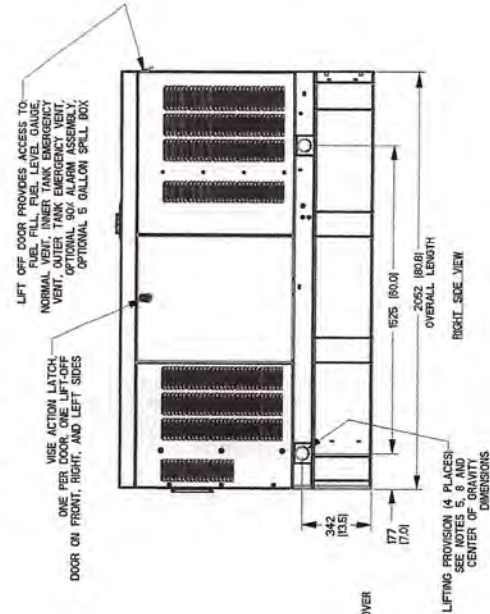
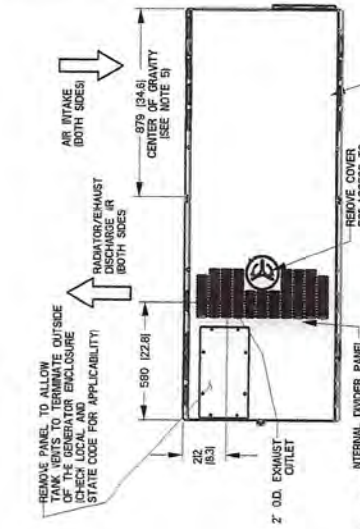
SERVICE ITEM	2.3L	RIGHT SIDE	RIGHT SIDE
OIL FILL CAP			
OIL DIP STICK			
OIL FILTER			
OIL DRAIN HOSE			
RADIATOR DRAIN HOSE			
COOLANT RECOVERY BOTTLE			
RADIATOR FILL CAP ACCESS			
AIR CLEANSER ELEMENT			
MUFFLER			
FAN BELT			
BATTERY			

WEIGHT: KG (LBS)  
DIMENSIONS: MM (INCH)

NOTES:

- MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1032 (437) WIDE X 2286 (907) LONG. REFERENCE INSTALLATION GUIDE SUPPLIED WITH UNIT FOR CONCRETE PAD GUIDELINES.
- ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE ACCESS. ALL WIRING AND PPA TO STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
- CONTROL PANEL, 7 CIRCUIT BREAKER INFORMATION:  
- ACCESSIBLE THROUGH EXISTING ACCESS DOOR ON REAR OF GENERATOR.  
- ACCESSIBLE THROUGH EXISTING ACCESS DOOR ON REAR OF GENERATOR.  
- REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS.
- THE STUB-UP AREAS AS FOLLOWS:  
- THE STUB-UP CONNECTION INCLUDING AC LOAD CONNECTION, NEUTRAL CONNECTION, AND GROUND CONNECTION (MAXI CONNECTION).  
- LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRE.  
- AND ACCESSORY RELAY CONNECTION (TTY 4).
- CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.  
- REFER TO THE WEIGHT AND CENTER OF GRAVITY INFORMATION FOR INTRUSION AND RECALCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
- EXHAUST SYSTEM MAXIMUM BACK PRESSURE: 24 INCHES H<sub>2</sub>O.
- REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
- DISCHARGE AIR MUST BE EXHAUSTED TO THE OUTSIDE THROUGH SURFACE SHALL BE 5/8" H GRADE 5 INSE STANDARD SAE TORQUE SPECS.
- MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW RESTRICTION REQUIREMENTS.
- DISCHARGE AIR FROM RADIATOR IS AVAILABLE.  
- AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS.



# 15 & 20 kW

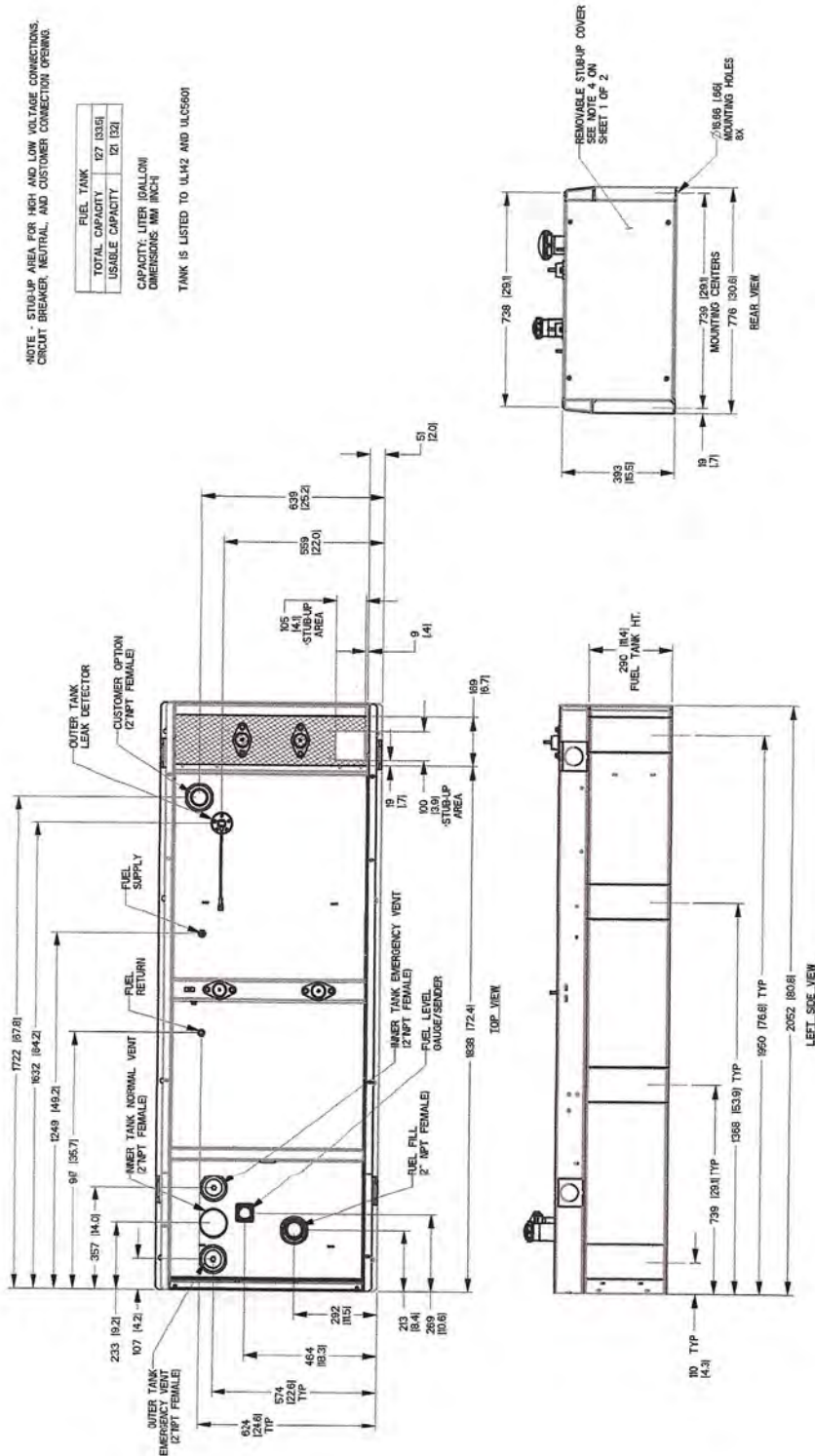
## installation layout

Drawing #0K7025-C (2 of 2)

NOTE - STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL, AND CUSTOMER CONNECTION (ESDWA).

FUEL TANK	
TOTAL CAPACITY	127 (336)
USABLE CAPACITY	121 (321)
CAPACITY: LITERS (GALLON)	
DIMENSIONS: MM (INCH)	

TANK IS LISTED TO UL142 AND ULCS601

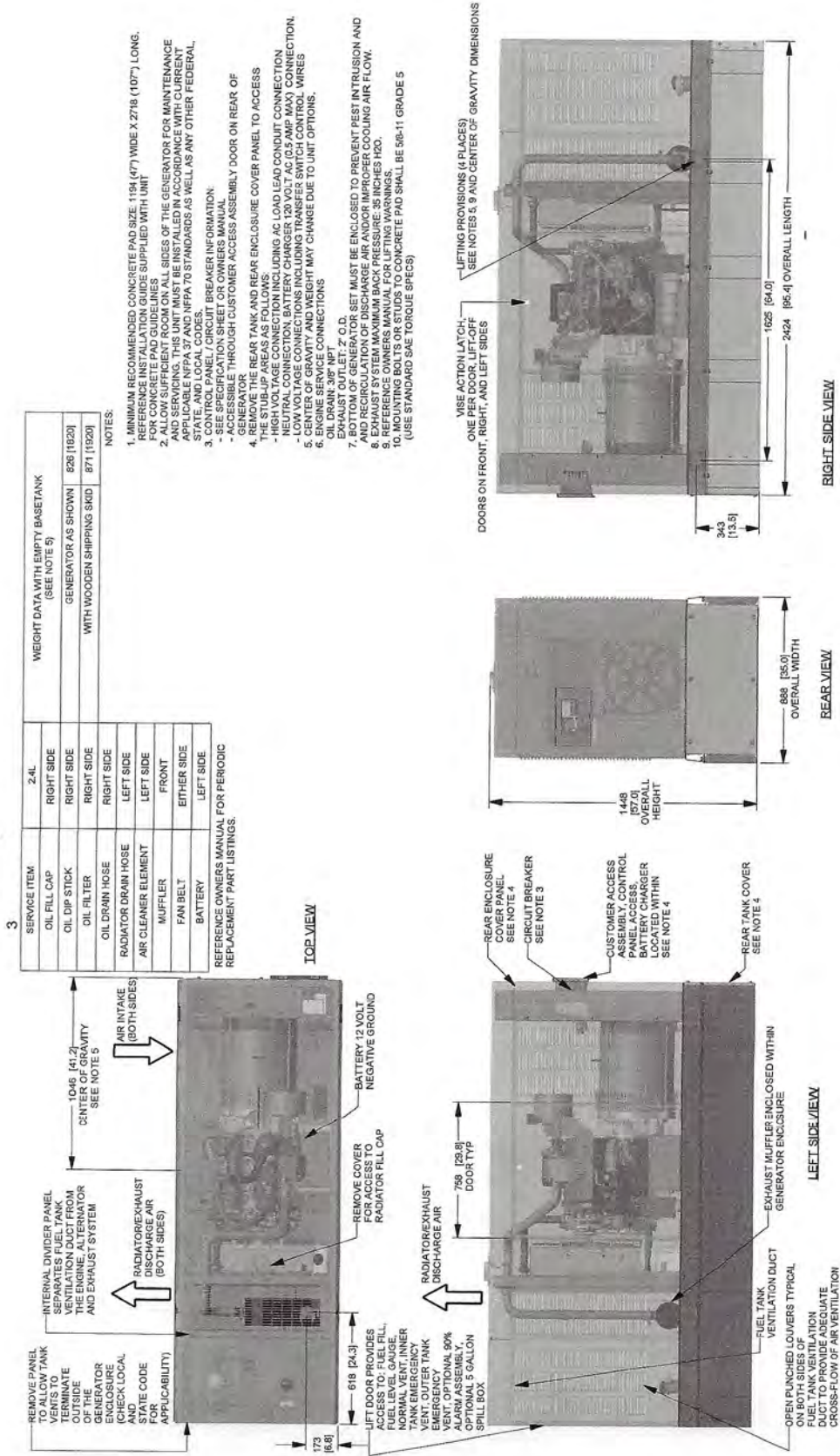


# 30 kW

Drawing #0K7002-C (1 of 2)

# GENERAC®

## installation layout

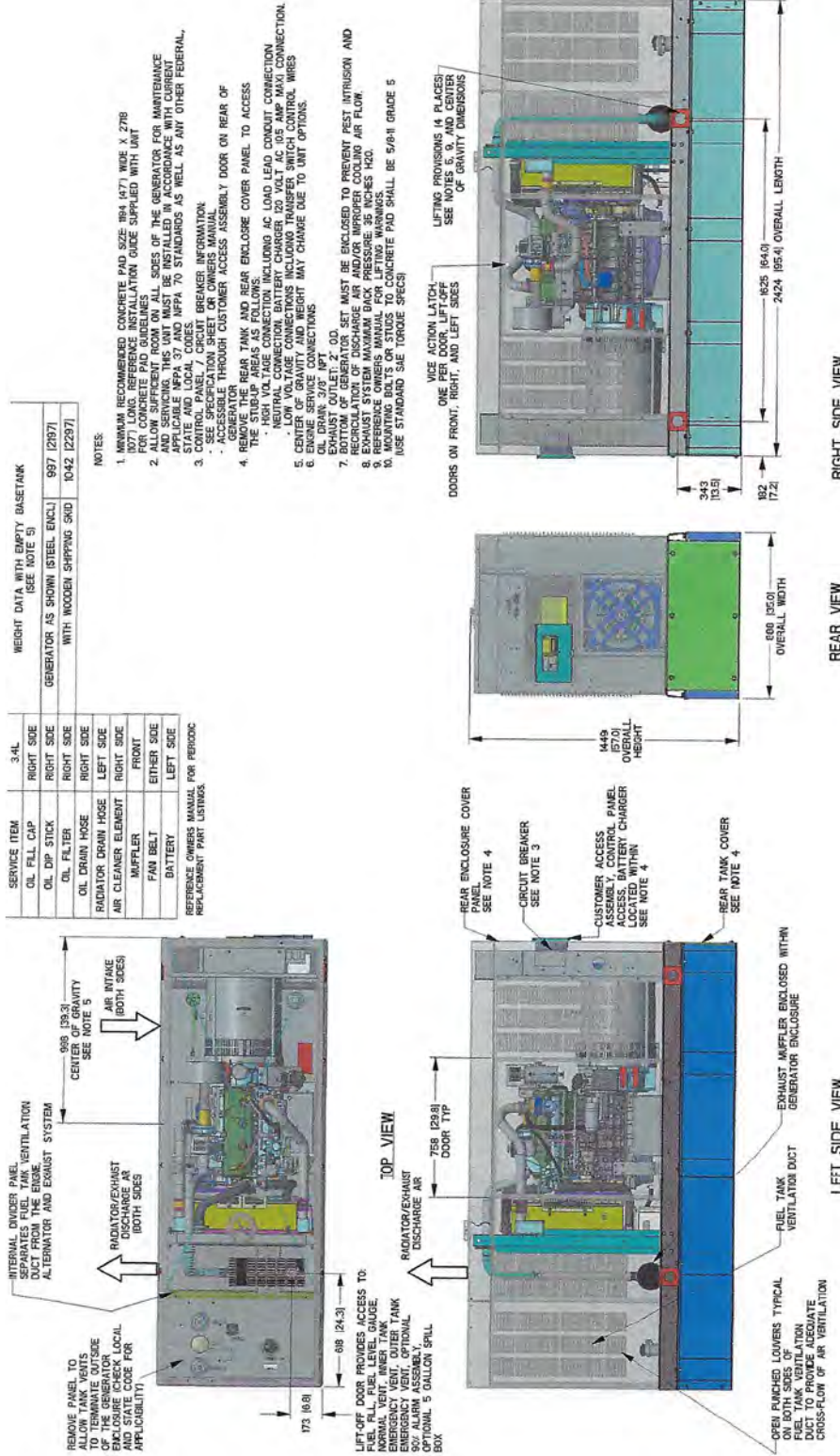






48 & 50 kW

Drawing #0K6968-C (1 of 2)



# 48 & 50 kW

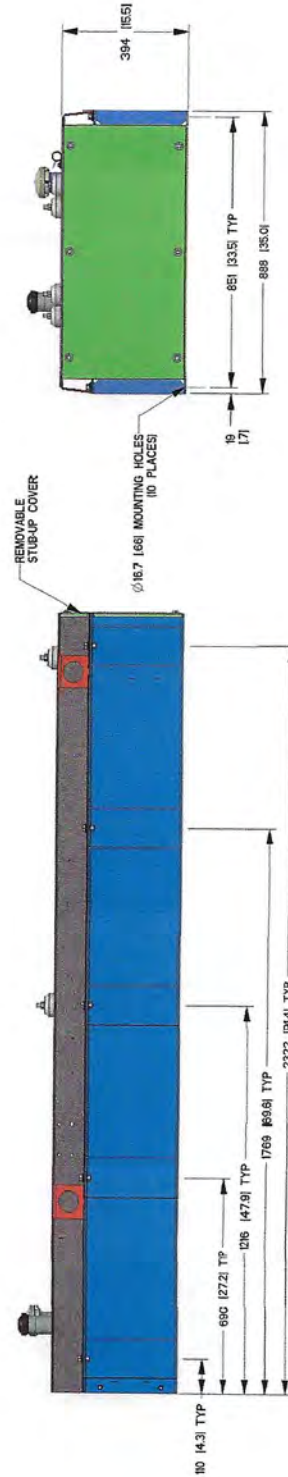
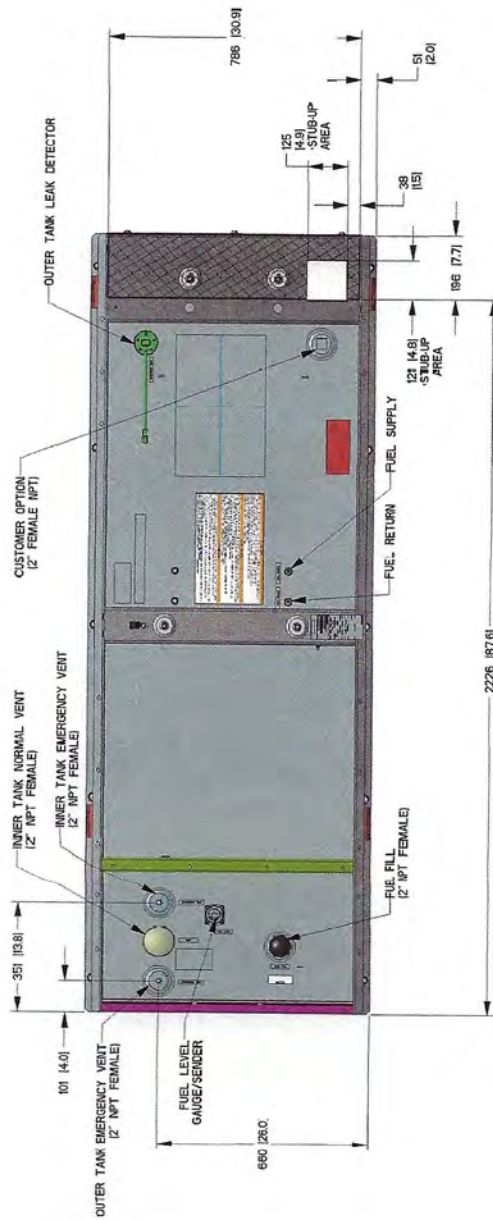
## installation layout

Drawing #0K6968-A (2 of 2)

FUEL TANK	
TOTAL CAPACITY	233 [61]
USABLE CAPACITY	209 [55]
CAPACITY: LITER (GALLONS)	
DIMENSIONS: MM (INCH)	

THIS TANK IS LISTED TO UL142 AND ULCS501

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






**15 • 20 • 30 • 48 • 50 kW****available accessories**

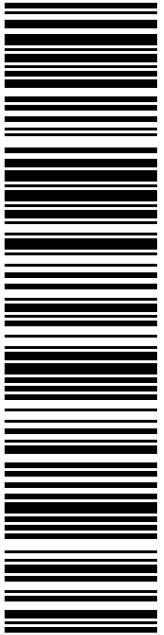
Model #	Product	Description
G006463-4	Mobile Link™	Generac's Mobile Link allows you to check the status of your generator from anywhere that you have access to an Internet connection from a PC or with any smart device. You will even be notified when a change in the generator's status occurs via e-mail or text message. Note: Harness Adapter Kit required. Available in the U.S. only.
G006478-0	Harness Adapter Kit	The Harness Adapter Kit is required to make liquid-cooled units compatible with Mobile Link™.
G006502-0	Spill Box	The 5-gallon spill box screws into the existing fuel fill port of the base tank. It captures and contains fuel if over fueling or spilling occurs during the fill process.
G006504-0	90% Fuel Level Alarm	The 90% fuel level alarm alerts the fuel fill operator when the tank reaches a 90% fill level by sounding an audible alarm and triggering an LED warning light.
G006505-0 - 15 & 20 kW G006506-0 - 30, 48 & 50 kW	Tank Risers	Tank risers are required in some municipalities to help avoid potential base tank corrosion caused by mounting on rough surfaces.
G006507-0	Fuel Fill Drop Tube	A powder coat painted, steel fuel fill drop tube is required in some municipalities to prevent sparking due to static electricity buildup, which can be caused by the fuel dropping into the tank from the fill area. Using a drop tube also results in submerged filling, which increases the fuel delivery flow rate and reduces vapors, foam and potential tank evaporation.
G006513-0 - 15 & 20 kW G006517-0 - 30 kW G006516-0 - 48 & 50 kW	Stainless Steel Fuel Lines	Some municipalities require the use of stainless steel fuel lines instead of the standard hoses provided with the diesel generator products. These stainless steel lines are fire resistant for additional safety.
G006510-0	E-Stop	E-stop allows for immediate fuel shutoff and generator shutdown in the event of an emergency.
006511-0	Spill Box Drainback Kit	The spill box drainback kit allows fuel that was captured in the 5-gallon spill box to be drained directly back into the fuel tank to avoid vapors.
G006588-1	Vent Extension Support Kit	The vent extension support kit consists of two aluminum plates with the appropriate pipe cutouts to secure the vent extension pipes coming through the top of the generator enclosure. It helps to minimize stress on the NPT fittings integrated on the tank and also helps protect against pests.
G006512-0	Lockable Fuel Cap	The cast iron, lockable fuel cap provides the ability to lock the fuel system to prevent unwanted fuel tampering or fuel siphoning.
G006572-0 - 15 & 20 kW G006571-0 - 30 kW G006570-0 - 48 & 50 kW	Maintenance Kits	The Protector Maintenance Kits offer all the hardware necessary to perform complete maintenance on Generac Protector generators.
G006560-0 - 15 & 20 kW G006559-0 - 30 kW G006558-0 - 48 & 50 kW	Cold Weather Kits	Recommended for generators installed in regions where the temperature regularly falls below 32 °F (0 °C). The Cold Weather Kits consist of a block heater with all necessary mounting hardware and a battery warmer with a thermostat built into the battery wrap.
G005704-0	Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch-up the paint to protect from future corrosion. The paint kit includes the necessary paint to properly maintain or touch-up a generator enclosure.
G006664-0	Local Wireless Remote	Completely wireless and battery powered, Generac's wireless remote monitor provides you with instant status information without ever leaving the house.
G006665-0	Wireless Remote Extension Harness	Recommended for use with the Wireless Remote on units up to 60 kW, required for use on units 70 kW or greater.
G006873-0	Smart Management Module (50 Amps)	Manage large loads by utilizing up to 8 individual Smart Management modules. These devices are installed directly in line with existing appliance wiring for easy installation.

# Exhibit E



BENJAMIN G BLAKE  
MAYOR  
70 W RIVER ST  
MILFORD CT 06460-3317

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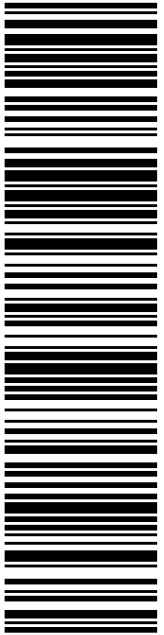
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**STEPHEN H HARRIS**  
**ZONING ENFORCEMENT OFFICER**  
**70 W RIVER ST**  
**MILFORD CT 06460-3317**

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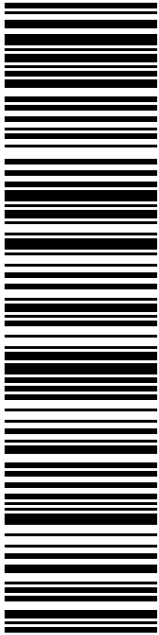
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Product	Qty	Unit Price	Price
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Prepaid Mail Stamford, CT 06902 Weight: 0 lb 8.40 oz Acceptance Date: Wed 05/17/2023 Tracking #: 9405 5036 9930 0546 0292 05	1		\$0.00
Prepaid Mail Milford, CT 06460 Weight: 0 lb 8.40 oz Acceptance Date: Wed 05/17/2023 Tracking #: 9405 5036 9930 0546 0291 82	1		\$0.00
Prepaid Mail Milford, CT 06460 Weight: 0 lb 8.40 oz Acceptance Date: Wed 05/17/2023 Tracking #: 9405 5036 9930 0546 0291 75	1		\$0.00
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 Clerk: 5