

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

August 9, 2021

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

RE: Notice of Exempt Modification 347 East Street, Wolcott CT 06716 Latitude: 41.55950000 Longitude: -72.94690000 T-Mobile Site#: CT11494B \_NHP

Dear Ms. Bachman:

T-Mobile currently has nine (9) antennas at the 186-foot mount on the existing 180-foot monopole located at 347 East Street, Wolcott CT 06716. The property is owned by Agostinho V & Joanne Rodrigues. The monopole is owned by Crown Castle. T-Mobile now intends to add a 25Kw generator to an existing concrete pad within a fenced compound.

Planned Modifications:
Ground work only-Install New:
(1) GENERAC RD 25 KW AC DIESEL GENERATOR – 240-gallon double walled self-contained tank with fuel sensor. Requires two (2) 12-minute run cycles by-weekly.



This facility was approved by the by the Connecticut Siting Council in Docket No. 56 on April 14, 1986. 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 Thomas G. Dunn, Mayor for the Town of Wolcott, David Kalinowski, Zoning Inspector, and Mr. and Mrs. Rodrigues, the property owners.

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: The Honorable Thomas G. Dunn, Mayor (via email only to tdunn@wolcottct.org) Town Hall 10 Kenea Avenue Wolcott, CT 06716

David Kalinowski, Zoning Inspector (via email only to dkalinowski@wolcottct.org) Town Hall 10 Kenea Avenue Wolcott, CT 06716

Augostinho & Joanne Rodrigues 347 East Street Wolcott, CT 06716

Crown Castle - as tower owner 3 Corporate Park Drive, Suite 101, Clifton Park, NY 12065

# Exhibit A

#### DOCKET NO. 56

| AN APPLICATION OF METRO MOBILE CTS OF   | : | CONNECTICUT SITING |
|---|---|--------------------|
| NEW HAVEN, INC., FOR A CERTIFICATE OF   |   |                    |
| ENVIRONMENTAL COMPATIBILITY AND PUBLIC  |   |                    |
| NEED FOR THE CONSTRUCTION, MAINTENANCE, | : | COUNCIL            |
| AND OPERATION OF FACILITIES TO PROVIDE  |   |                    |
| CELLULAR SERVICE IN NEW HAVEN COUNTY.   | • | April 14, 1986     |

#### DECISION AND ORDER

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut (CGS) be issued to Metro Mobile CTS of New Haven, Inc., for the construction, maintenance, and operation of cellular mobile phone telecommunication towers and associated equipment in the towns of Wolcott, Naugatuck, West Haven (existing tower), Milford, Hamden (existing tower), Guilford, and North Branford subject to the conditions below.

- The proposed and alternate Beacon Falls sites are rejected without prejudice.
- The Wolcott tower shall be constructed to meet Zone C wind loading with 1" of radial ice and shall not exceed 180' in height excluding antennas.
- 3. The Naugatuck tower shall not exceed 160' in height, excluding antennas. The certificate holder shall offer to remove the existing privately owned, unused tower now on the site.
- 4. Any future actions requiring the removal of the existing West Haven or Hamden towers to be shared by the certificate holder shall also apply to the equipment mounted on those towers by the certificate holder, regardless of that equipment's status under Chapter 277a of the CGS.

- The Milford tower shall be a monopole structure not to exceed 100' in height, excluding antennas.
- The Guilford tower shall be a monopole structure not to exceed 150' in height, excluding antennas.
- 7. The North Branford Route 17 site is rejected. The North Branford East Reeds Gap Road tower shall not exceed 160' in height, excluding antennas.
- 8. The certificate holder shall submit a development and management plan for the Wolcott, Naugatuck, Milford, Hamden, Guilford, and North Branford sites pursuant to sections 16-50j-75 through 16-50j-77 of the RSA, except that irrelevant items in section 16-50j-76 need only be identified as such. In addition to the requirements of section 16-50j-76, the D&M plan shall provide plans for evergreen screening around the fenced perimeter at the Wolcott, Milford, Hamden, Guilford, and North Branford sites. The D&M plan shall include a proposal for painting the approved monopole structures to blend with the sky. Any changes to specifications in the D&M plan must be approved by the Council prior to facility operation.
- 9. All certified facilities shall be constructed, operated, and maintained as specified in the Council's record and in the site development and management plan required by order 8.
- 10. The certificate holder shall permit public or private entities to share space on the towers approved herein, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. In addition to complying with 16-50j-73, the

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certificate holder shall notify the Council of the addition of any equipment to any approved tower.

- 11. A fence not lower than 8' shall surround each tower and associated equipment.
- 12. Unless necessary to comply with order 13, below, no lights shall be installed on any of these towers.
- 13. The facilities' construction and any future tower sharing shall be in accordance with all applicable federal, state, and municipal laws and regulations. Shared uses by entities not subject to jurisdiction pursuant to sections 16-50i and 16-50k of the CGS shall be subject to all applicable federal, state, and municipal laws and regulations.
- 14. Construction activities shall take place during daylight working hours.
- 15. This decision and order shall be void and the towers and associated equipment shall be dismantled and removed, or reapplication for any new use shall be made to the CSC before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction.
- 16. This decision and order shall be void if all construction authorized herein is not completed within three years of the issuance of this decision, or within three years of the completion of any appeal if appeal of this decision is taken, unless otherwise approved by the Council.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the decision and order shall be served on each person listed below. A notice

of the issuance shall be published in The Record-Journal, The New Haven Register, The Branford Review, The Evening Sentinel, The Waterbury American, and The Waterbury Republican. The parties to this proceeding are: Metro Mobile CTS of New Haven, Inc. (Applicant) 5 Eversley Avenue Norwalk, Connecticut 06855 ATTN: Armand Mascioli General Manager Mr. Kevin B. Sullivan, Esq. (its attorneys) Byrne, Slater, Sandler, Shulman & Rouse, P.C. 111 Pearl Street P.O. Box 3216 Hartford, Connecticut 06103 Mr. Richard Rubin, Esq. Fleischman and Walsh, P.C. 1725 N Street, N.W. Washington, D.C. 20036 Guilford Conservation Commission represented by: Mr. David B. Damer Chairman Guilford Conservation Commission 440 Great Hill Road Guilford, Connecticut 06437 Mr. Robert W. Griswold, Jr. 100 Rimmon Hill Road Beacon Falls, Connecticut 06403 Town of Hamden Memorial Town Hall 2372 Whitney Avenue Hamden, Connecticut 06518 ATTN: Shirley Gonzales Town Planner

Guilford Planning and Zoning Commission represented by: Mr. David W. Fisher Chairman Town Hall 31 Park Street Guilford, Connecticut 06437 Town of Hamden represented by: John DeNicola, Jr. Mayor Town of Hamden Memorial Town Hall 2372 Whitney Avenue New Haven, Connecticut 06518 Citizens Park Council of New Haven represented by: Mr. John J. Ciarleglio President Citizens Park Council of New Haven 36 Elmwood Road New Haven, Connecticut 06515 Mr. Thomas V. Keating 343 Rimmon Hill Road Beacon Falls, Connecticut 06403 Ms. Evelyn M. Sirowich 245 Rimmon Hill Road Beacon Falls, Connecticut 06403 Mr. Jack B. Levine 11 White Birch Lane Beacon Falls, Connecticut 06403 Southern New England Telephone Company represented by: Mr. Peter J. Tyrrell, Esq. 227 Church Street New Haven, Connecticut 06506 Mr. Dennis Bialecki 96 West Road

Beacon Falls, Connecticut 06403

Brittany Woods Homeowner's Association represented by: Mr. Stephen P. Del Sole, Esq. Del Sole & Del Sole 152 Temple Street P.O. Box 405 New Haven, Connecticut 06502-0405 Ms. Barbara G. Schlein Box 2993 Westville Station New Haven, Connecticut 06515 Mr. & Mrs. Joseph T. Farrell, Jr. 334 Rimmon Hill Road Beacon Falls, Connecticut 06403 Town of Beacon Falls represented by: The Honorable Leonard F. D'Amico First Selectman 10 Maple Avenue Beacon Falls, Connecticut 06403 West Rock Ridge Park Association represented by: Mr. William L. Doheny Jr., D.D.S. President 220 Mountain Road Hamden, Connecticut 06514 Department of Parks, represented by: Recreation & Trees Mr. Robert G. Sheeley Director Parks, Recreation & Trees P.O. Box 1416 New Haven, Connecticut 06506 Town of Wallingford represented by: William W. Dickinson, Jr. Mayor Municipal Building 350 Center Street P.O. Box 427 Wallingford, Connecticut 06492 New Haven Sierra Club represented by: Ms. Laurie Klein 270 Edgewood Avenue New Haven, Connecticut 06511

Peter M. Lerner State Representative 8 Merritt Avenue Woodbridge, Connecticut 06525 Carleton J. Benson State Representative 161 Scott Road Prospect, Connecticut 06712 (service waived) Dr. Stephen Collins Vice Chairman West Rock State Park Advisory Council Bethany, Connecticut Mr. Louis Melillo (service wavied) 985 Wintergreen Avenue Hamden, Connecticut Mr. John McGeever (service waived) 339 Rimmon Hill Beacon Falls, Connecticut 06403 Senator John Consoli (service waived) 51 Luke Hill Road Bethany, Connecticut 06525 Representative George P. Bassing (service waived) 14 Oakwood Drive Seymour, Connecticut 06483 Dr. George D. Whitney (service waived) 858 Oakwood Road Orange, Connecticut Mr. Steve Molnar (service waived) 205 West Road Beacon Falls, Connecticut Mr. James W. Grandy (service waived) President Hamden Land Conservation Trust Hamden, Connecticut Senator Richard S. Eaton (service waived) 269 Mulberry Point Road Guilford, Connecticut 06437 Representative Robert M. Ward 719 Totoket Road Northford, Connecticut 06472

| Town of North Branford  | represented by:  |
|---|--|
|   | John Gesmonde, Esquire<br>3127 Whitney Avenue<br>Hamden, Connecticut 06518   |
| Regina Smith<br>1887 Middletown Avenue<br>Northford, Connecticut 06472      | (service waived)   |
| Richard A. Nizolek<br>The Restland Farm Corporation<br>Route 17             |  |
| Northford, Connecticut 06472  |  |
| Mary Liska<br>83 Reeds Gap Road<br>Northford, Connecticut 06472             |  |
| Ben Bullard<br>50 Christmas Hill Road<br>Guilford, Connecticut 06437        | (service waived)   |
| Roland Robichaud<br>31 Berncliff Drive<br>North Branford, Connecticut 06471 | (service waived)   |
| Irene Flynn<br>1926 Middletown Avenue<br>Northford, Connecticut 06472       | (service waived)   |
| Charles Pope<br>199 Donalds Road<br>Guilford, Connecticut 06437             |  |
| Richard Abate<br>131 Manor Road<br>Guilford, Connecticut 06437              | (service waived)   |
| City of Milford   | represented by:  |
|   | Mayor Alberta Jagoe<br>Alderman Maurice Condon<br>Alderman Frederick Lisman<br>City Hall<br>River Street<br>Milford, Connecticut 06460 |

Thomas Scelfo 81 Berncliff Drive North Branford, Connecticut 06471

(service waived)

Senator Thomas Scott 22 Meyers Court Milford, Connecticut 06460

Helen Moore 385 Oronoque Road Milford, Connecticut 06460

William Barberi 298 Oronoque Road Milford, Connecticut 06460 (service waived)

(service waived)

(service waived)

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 14th day of April, 1986.

Council Members

Vote Cast

Yes

Absent

No

Yes

Yes

Yes

No

ble Pond

Gloria Dibble Pond Chairperson

|             |         |        |       |    |         | ) |
|-------------|---------|--------|-------|----|---------|---|
| Commissione | er John | Downey | /     |    |         |   |
| Designee:   | Commiss | ioner  | Peter | G. | Boucher |   |

Commissioner Stanley Pad

Designee: Christopher Cooper

Ower Clar

Yes Mortimer A. Gelston

160 Horsfall G. James

Pamela B Katz William Smith Va.

No

Colin C. Tait

)
:
) STATE OF CONNECTICUT ss. New Britain, April 14, 1986 COUNTY OF HARTFORD

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

Christopher S. Wood, Executive Director Connecticut Siting Council

Petition No. 673 Omnipoint Communications, Inc. (T-Mobile) 347 East Street Wolcott, CT Staff Report June 9, 2004

On May 28, 2004, Connecticut Siting Council (Council) member Edward S. Wilensky and Christina Lepage of the Council staff met with Omnipoint Communications, Inc., a subsidiary of T-Mobile USA, Inc. (T-Mobile) representative Stephen Humes at 347 East Street, Wolcott, Connecticut for the inspection of an existing lattice tower. The structure is owned by Crown Castle. T-Mobile proposes to modify the existing tower by installing antennas and associated equipment for telecommunications use and is petitioning the Council for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) is required for the modification.

T-Mobile proposes to install six flush mounted antennas, which would be mounted to pipe supports attached to the existing 180-foot tower. The pipe mast would extend approximately ten feet above the top of the existing tower. The antennas would be mounted with a centerline at 188 feet above ground level (AGL) bringing the top of the tower to 190 feet three inches AGL. T-Mobile would install GPS and GSM antennas on the ice bridge at 30 feet AGL.

The proposed equipment would be installed on a 17-foot by five-foot concrete slab to be located within the existing fenced area at the base of the tower. Access to the tower is via an existing access drive extending from East Street. Utilities would originate from existing sources.

The tower is located in an industrial zone on property owned by Agostino Rodrigues. The proposed antennas are intended to provide coverage to a portion of Interstate 84, Route 322 and the surrounding area.

The calculated cumulative worst-case radio frequency power density would not exceed the applicable standard.

T-Mobile contends that the proposed project would reduce the need for another telecommunications tower to provide coverage to the area, and that the proposed project would not have a substantial environmental effect.

# Exhibit B

## 347 EAST ST

| Location   | 347 EAST ST | Mblu           | 131/ 1/ 19/ /           |
|------------|-------------|----------------|-------------------------|
| Acct#      | R0478100    | Owner          | RODRIGUES AGOSTINHO V & |
| Assessment | \$453,670   | Appraisal      | \$648,090               |
| PID        | 5352        | Building Count | 3                       |

#### **Current Value**

| Appraisal  |              |           |           |  |  |
|--|--------------|-----------|-----------|--|--|
| Valuation Year         Improvements         Land         Total |              |           |           |  |  |
| 2016   | \$401,720    | \$246,370 | \$648,090 |  |  |
|  | Assessment   |           |           |  |  |
| Valuation Year   | Improvements | Land      | Total     |  |  |
| 2016   | \$281,210    | \$172,460 | \$453,670 |  |  |

#### **Owner of Record**

| Owner    | RODRIGUES AGOSTINHO V & | Sale Price  | \$0        |
|----------|-------------------------|-------------|------------|
| Co-Owner | JOANNE                  | Certificate |            |
| Address  | 347 EAST ST             | Book & Page | 0131/0023  |
|          | WOLCOTT, CT 06716       | Sale Date   | 06/27/1980 |
|          |                         | Instrument  | 25         |

## **Ownership History**

| Ownership History       |            |             |             |            |            |
|-------------------------|------------|-------------|-------------|------------|------------|
| Owner                   | Sale Price | Certificate | Book & Page | Instrument | Sale Date  |
| RODRIGUES AGOSTINHO V & | \$0        |             | 0131/0023   | 25         | 06/27/1980 |

## **Building Information**

## Building 1 : Section 1

|                               | Building Attributes |
|-------------------------------|---------------------|
| Less Depreciation:            | \$210,440           |
| Replacement Cost              |                     |
| <b>Building Percent Good:</b> | 62                  |
| Replacement Cost:             | \$339,418           |
| Living Area:                  | 3,139               |
| Year Built:                   | 1930                |
|                               |                     |

|                   | Colonial      |
|-------------------|---------------|
| Model             |               |
|                   | Residential   |
| Grade: E          | В             |
| Stories 1         | 1.9           |
| Occupancy 1       | 1             |
| Exterior Wall 1   | Vinyl Siding  |
| Exterior Wall 2   |               |
| Roof Structure C  | Gambrel       |
| Roof Cover A      | Arch Shingles |
| Interior Wall 1   | Drywall       |
| Interior Wall 2   |               |
| Interior FIr 1    | Carpet        |
| Interior Flr 2    |               |
| Heat Fuel C       | Oil           |
| Heat Type:        | Hot Water     |
| AC Percent 3      | 35% CAC       |
| Total Bedrooms: 5 | 5 Bedrooms    |
| Full Bthrms: 3    | 3             |
| Half Baths: C     | D             |
| Extra Fixtures C  | D             |
| Total Rooms: 9    | 9             |
| Bath Style:       | Average       |
| Kitchen Style:    | Average       |
| Num Kitchens 1    | 1             |
| Fireplace(s)      | D             |
| % Attic Fin C     | D             |
| LF Dormer 1       | 12            |
| Foundation F      | Poured Conc   |
| Bsmt Gar(s)       | D             |
| Bsmt %            | 100           |
| SF FBM C          | 0.00          |
| SF Rec Rm 1       | 182           |
| Fin Bsmt Qual     | LQ            |
| Bsmt Access       | Int & Ext     |
| Fndtn Cndtn       |               |
| Basement          |               |

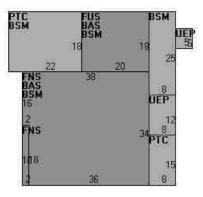
## Building 2 : Section 1

## **Building Photo**



(http://images.vgsi.com/photos/WolcottCTPhotos/\00\01\17\56.jpg)

#### **Building Layout**



(http://images.vgsi.com/photos/WolcottCTPhotos//Sketches/5352\_5352.jpc

| Building Sub-Areas (sq ft) |                       |               | <u>Legend</u>  |
|----------------------------|-----------------------|---------------|----------------|
| Code                       | Description           | Gross<br>Area | Living<br>Area |
| BAS                        | First Floor           | 1,616         | 1,616          |
| FNS                        | Finished 90% Story    | 1,292         | 1,163          |
| FUS                        | Finished Upper Story  | 360           | 360            |
| BSM                        | Basement              | 2,212         | 0              |
| PTC                        | Concrete Patio        | 516           | 0              |
| UEP                        | Unfin. Enclosed Porch | 126           | 0              |
|                            |                       | 6,122         | 3,139          |

| Replacement Cost:<br>Building Percent Good: | \$134,245<br>60             |
|---|-----------------------------|
| Replacement Cost                            | -                           |
| ess Depreciation:                           | \$80,550                    |
| Buildir                                     | ng Attributes : Bldg 2 of 3 |
| Field                                       | Description                 |
| Style                                       | Conventional                |
| Model                                       | Residential                 |
| Grade:                                      | D                           |
| Stories                                     | 1                           |
| Occupancy                                   | 1                           |
| Exterior Wall 1                             | Vinyl Siding                |
| Exterior Wall 2                             |                             |
| Roof Structure                              | Gable                       |
| Roof Cover                                  | Arch Shingles               |
| Interior Wall 1                             | Plaster                     |
| Interior Wall 2                             |                             |
| Interior Flr 1                              | Carpet                      |
| Interior Flr 2                              |                             |
| Heat Fuel                                   | Oil                         |
| Heat Type:                                  | Hot Water                   |
| AC Percent                                  | None                        |
| Total Bedrooms:                             | 2 Bedrooms                  |
| Full Bthrms:                                | 1                           |
| Half Baths:                                 | 0                           |
| Extra Fixtures                              | 0                           |
| Total Rooms:                                | 5                           |
| Bath Style:                                 | Average                     |
| Kitchen Style:                              | Average                     |
| Num Kitchens                                | 1                           |
| Fireplace(s)                                | 0                           |
| % Attic Fin                                 | 0                           |
| LF Dormer                                   | 0                           |
| Foundation                                  | Poured Conc                 |
| Bsmt Gar(s)                                 | 0                           |
| Bsmt %                                      | 0                           |
| SF FBM                                      | 0.00                        |
| SF Rec Rm                                   | 0                           |
|   |                             |

None

Fin Bsmt Qual Bsmt Access

Fndtn Cndtn Basement

## **Building Photo**



(http://images.vgsi.com/photos/WolcottCTPhotos//\00\01\17\57.jpg)

#### **Building Layout**



(http://images.vgsi.com/photos/WolcottCTPhotos//Sketches/5352\_20142.jc

|      | Building Sub-Areas (sq ft) |               | <u>Legend</u>  |
|------|----------------------------|---------------|----------------|
| Code | Description                | Gross<br>Area | Living<br>Area |
| BAS  | First Floor                | 968           | 968            |
| FUS  | Finished Upper Story       | 340           | 340            |
| CRL  | Crawl Space                | 968           | 0              |
| FEP  | Finished Enclosed Porch    | 24            | 0              |
| PTS  | Stone Patio                | 108           | 0              |
| WDK  | Deck                       | 136           | 0              |
|      |                            | 2,544         | 1,308          |

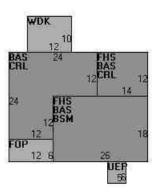
| Year Built:<br>Living Area:<br>Replacement Cost:<br>Building Percent Good:<br>Replacement Cost<br>Less Depreciation:<br>Building | 1912<br>1,481<br>\$160,287<br>60<br>\$96,170<br><b>g Attribute</b> | 7<br>s : Bldg 3 of 3 |
|--|--|----------------------|
| Field  | 9  | Description          |
| Style  |  | Conventional         |
| Model  |  | Residential          |
| Grade:   |  | D                    |
| Stories  |  | 1.65                 |
| Occupancy  |  | 2                    |
| Exterior Wall 1  |  | Vinyl Siding         |
| Exterior Wall 2  |  |                      |
| Roof Structure   |  | Gable                |
| Roof Cover   |  | Arch Shingles        |
| Interior Wall 1  |  | Plaster              |
| Interior Wall 2  |  |                      |
| Interior Flr 1   |  | Hardwood             |
| Interior Flr 2   |  | Carpet               |
| Heat Fuel  |  | Oil                  |
| Heat Type:   |  | Hot Water            |
| AC Percent   |  | None                 |
| Total Bedrooms:  |  | 3 Bedrooms           |
| Full Bthrms:   |  | 2                    |
| Half Baths:  |  | 0                    |
| Extra Fixtures   |  | 0                    |
| Total Rooms:   |  | 7                    |
| Bath Style:  |  | Average              |
| Kitchen Style:   |  | Average              |
| Num Kitchens   |  | 2                    |
| Fireplace(s)   |  | 0                    |
| % Attic Fin  |  | 0                    |
| LF Dormer  |  | 0                    |
| Foundation   |  | Poured Conc          |
| Bsmt Gar(s)  |  | 0                    |
| Bsmt %   |  | 100                  |
| SF FBM   |  | 0.00                 |
| SF Rec Rm  |  | 0                    |
| Fin Bsmt Qual  |  |                      |

## **Building Photo**



(http://images.vgsi.com/photos/WolcottCTPhotos//\00\01\17\58.jpg)

Building Layout



(http://images.vgsi.com/photos/WolcottCTPhotos//Sketches/5352\_20143.jc

| Building Sub-Areas (sq ft) |                       |               | <u>Legend</u>  |
|----------------------------|-----------------------|---------------|----------------|
| Code                       | Description           | Gross<br>Area | Living<br>Area |
| BAS                        | First Floor           | 1,068         | 1,068          |
| FHS                        | Finished Half Story   | 636           | 413            |
| BSM                        | Basement              | 468           | 0              |
| CRL                        | Crawl Space           | 600           | 0              |
| FOP                        | Open Porch            | 72            | 0              |
| UEP                        | Unfin. Enclosed Porch | 30            | 0              |
| WDK                        | Deck                  | 120           | 0              |
|                            |                       | 2,994         | 1,481          |

| Bsmt Access | Int & Ext |
|-------------|-----------|
| Fndtn Cndtn |           |
| Basement    |           |
|             |           |

#### Extra Features

| Extra Features Lege |             |             |       |        |
|---------------------|-------------|-------------|-------|--------|
| Code Description    |             | Size        | Value | Bldg # |
| SOL                 | Solar Array | 39.00 UNITS | \$0   | 1      |

►

#### Land

| Land Use      |                 | Land Line Valua | ation     |
|---------------|-----------------|-----------------|-----------|
| Use Code      | 112             | Size (Acres)    | 2.20      |
| Description   | Multiple Houses | Frontage        |           |
| Zone          | R-30            | Depth           |           |
| Neighborhood  | 6C              | Assessed Value  | \$172,460 |
| Alt Land Appr | No              | Appraised Value | \$246,370 |
| Category      |                 |                 |           |

## Outbuildings

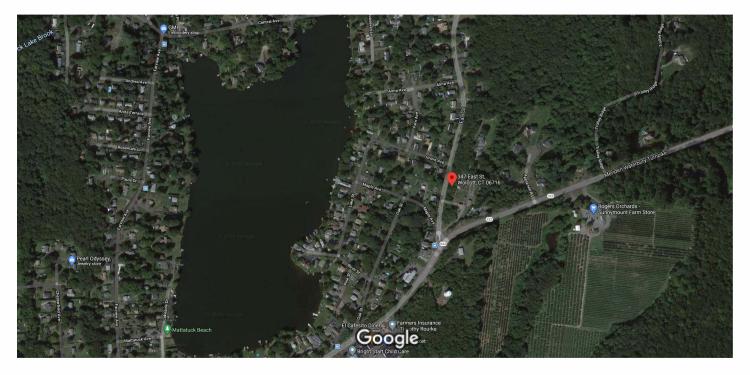
| Outbuildings |             |          |                 |             | <u>Legend</u> |        |
|--------------|-------------|----------|-----------------|-------------|---------------|--------|
| Code         | Description | Sub Code | Sub Description | Size        | Value         | Bldg # |
| FGR1         | Garage      | FR       | Frame           | 672.00 S.F. | \$5,880       | 1      |
| FGR1         | Garage      | FR       | Frame           | 560.00 S.F. | \$4,900       | 1      |
| FOP          | Porch       |          |                 | 480.00 S.F. | \$2,760       | 1      |
| РТО          | Patio       | CN       | Concrete        | 408.00 S.F. | \$1,020       | 1      |

## Valuation History

| Appraisal  |           |           |           |  |
|--|-----------|-----------|-----------|--|
| Valuation Year         Improvements         Land         Total |           |           |           |  |
| 2019   | \$401,720 | \$246,370 | \$648,090 |  |
| 2018   | \$401,720 | \$246,370 | \$648,090 |  |
| 2017   | \$401,720 | \$246,370 | \$648,090 |  |

| Assessment   |           |           |           |  |
|--|-----------|-----------|-----------|--|
| Valuation Year         Improvements         Land         Total |           |           |           |  |
| 2019   | \$281,210 | \$172,460 | \$453,670 |  |
| 2018   | \$281,210 | \$172,460 | \$453,670 |  |
| 2017   | \$281,210 | \$172,460 | \$453,670 |  |

# Google Maps 347 East St



200 ft

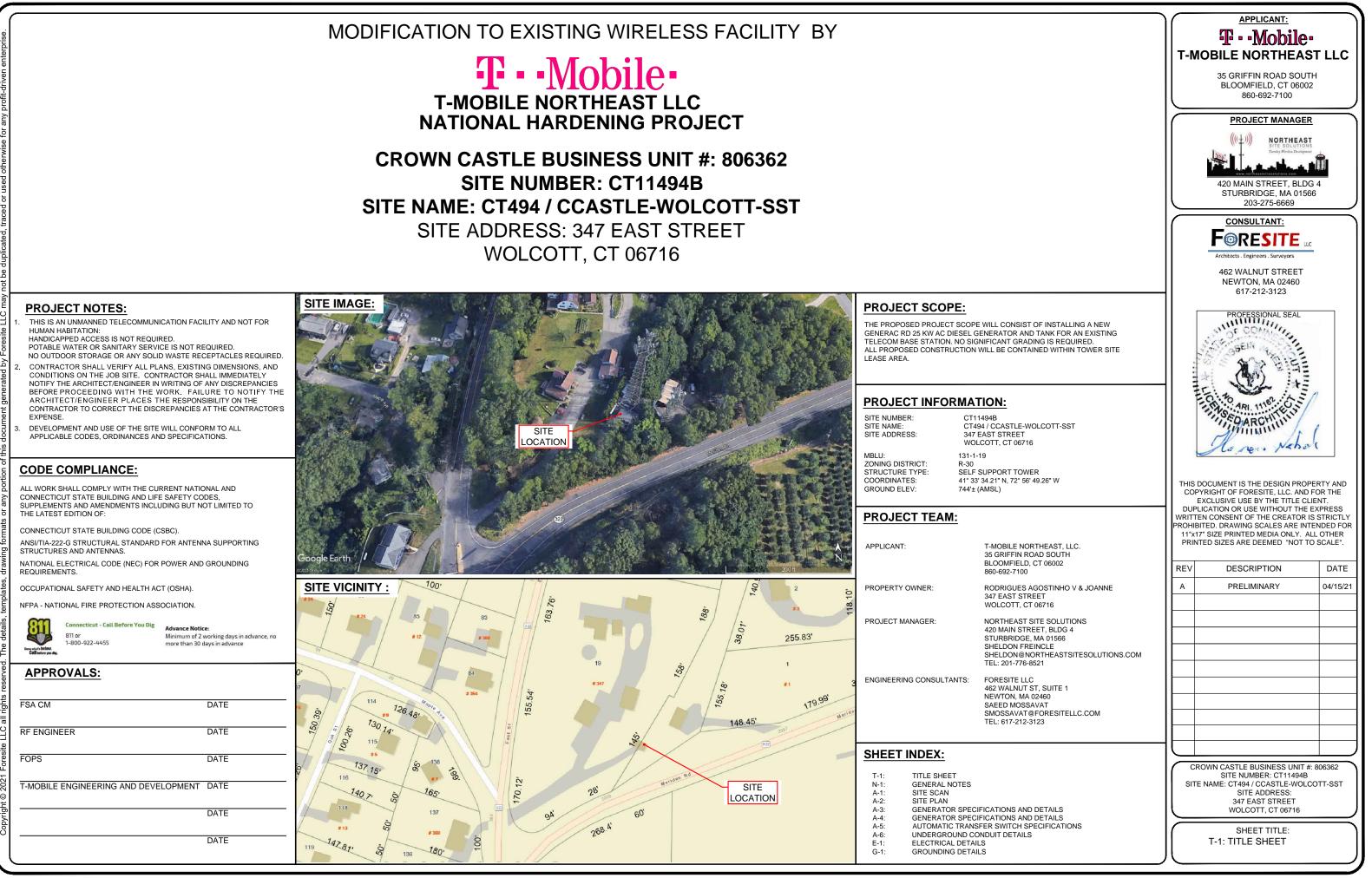
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# Exhibit C

**T-MOBILE NORTHEAST LLC** 

**CROWN CASTLE BUSINESS UNIT #: 806362** SITE NUMBER: CT11494B SITE NAME: CT494 / CCASTLE-WOLCOTT-SST SITE ADDRESS: 347 EAST STREET WOLCOTT, CT 06716



THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES. REGULATIONS, AND ORDINANCES.

THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE CLIENT'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK

THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION

THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE BASIC STATE BUILDING CODE, LATEST EDITION. AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJEC

THE CONTRACTOR SHALL NOTIFY THE CLIENT'S REPRESENTATIVE IN WRITING WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE CLIENT'S REPRESENTATIVE.

10 THE WORK SHALL CONFORM TO THE CODES AND STANDARDS OF THE FOLLOWING AGENCIES AS FURTHER CITED HEREIN

ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS, AS PUBLISHED IN "COMPILATION OF ASTM STANDARDS BUILDING CODES" OR LATEST EDITION

AWS: AMERICAN WELDING SOCIETY INC. AS PUBLISHED IN "STANDARD D1.1-08, STRUCTURAL WELDING CODE" OR LATEST B EDITION.

AISC: AMERICAN INSTITUTE FOR STEEL CONSTRUCTION AS PUBLISHED IN "CODE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"; "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (LATEST EDITION)

11. BOLTING:

BOLTS SHALL BE CONFORMING TO ASTM A325 HIGH STRENGTH. HOT DIP GALVANIZED WITH ASTM A153 HEAVY HEX TYPE Δ NUTS

BOLTS SHALL BE 3/4" Ø MINIMUM (UNLESS OTHERWISE NOTED) B.

ALL CONNECTIONS SHALL BE 2 BOLTS MINIMUM. C.

12. FABRICATION:

FABRICATION OF STEEL SHALL CONFORM TO THE AISC AND AWS STANDARDS AND CODES (LATEST EDITION) Α.

ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (LATEST в EDITION), UNLESS OTHERWISE NOTED.

13. ERECTION OF STEEL:

PROVIDE ALL ERECTION EQUIPMENT, BRACING, PLANKING, FIELD BOLTS, NUTS, WASHERS, DRIFT PINS, AND SIMILAR MATERIALS WHICH DO NOT FORM A PART OF THE COMPLETED CONSTRUCTION BUT ARE NECESSARY FOR ITS PROPER ERECTION.

ERECT AND ANCHOR ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC REFERENCE STANDARDS. ALL WORK SHALL BE ACCURATELY SET TO ESTABLISHED LINES AND ELEVATIONS AND RIGIDLY FASTENED IN PLACE WITH SUITABLE ATTACHMENTS TO THE CONSTRUCTION OF THE BUILDING.

TEMPORARY BRACING, GUYING AND SUPPORT SHALL BE PROVIDED TO KEEP THE STRUCTURE SAFE AND ALIGNED AT ALL TIMES DURING CONSTRUCTION, AND TO PREVENT DANGER TO PERSONS AND PROPERTY. CHECK ALL TEMPORARY LOADS AND STAY WITHIN SAFE CAPACITY OF ALL BUILDING COMPONENTS.

14. ANTENNA INSTALLATION:

A. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLIENT'S REPRESENTATIVE SPECIFICATIONS. B. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.

INSTALL COAXIAL / FIBER CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS

15. ANTENNA AND COAXIAL / FIBER CABLE GROUNDING:

Α. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT TYPE #221213 OR EQUAL.

ALL COAXIAL / FIBER CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL / FIBER CABLE (NOT WITHIN BENDS)

16 RELATED WORK, FURNISH THE FOLLOWING WORK AS SPECIFIED UNDER CONSTRUCTION DOCUMENTS, BUT COORDINATE WITH OTHER TRADES PRIOR TO BID:

- FLASHING OF OPENING INTO OUTSIDE WALLS Α.
- SEALING AND CAULKING ALL OPENINGS B.
- PAINTING C.
- CUTTING AND PATCHING D.
- 17. REQUIREMENTS OF REGULATORY AGENCIES:

A. FURNISH U.L. LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH U.L. STANDARDS WHERE APPLICABLE.

INSTALL ANTENNA, ANTENNA CABLES, GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATION IN EFFECT AT PROJECT LOCATION AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK. THIS WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

C. TIA-EIA - 222 (LATEST EDITION). STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.

D. FAA - FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR AC 70/7460-IH, OBSTRUCTION MARKING AND LIGHTING.

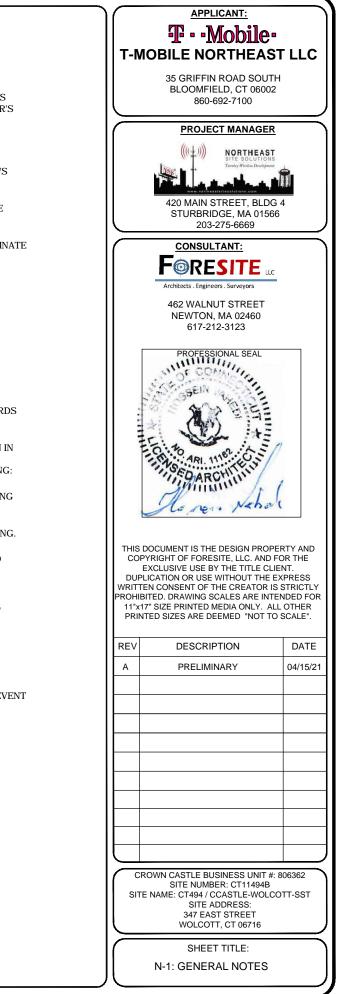
E FCC - FEDERAL COMMUNICATIONS COMMISSION RULES AND REGULATIONS FORM 715, OBSTRUCTION MARKING AND LIGHTING SPECIFICATION FOR ANTENNA STRUCTURES AND FORM 715A, HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES.

AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS (LATEST EDITION).

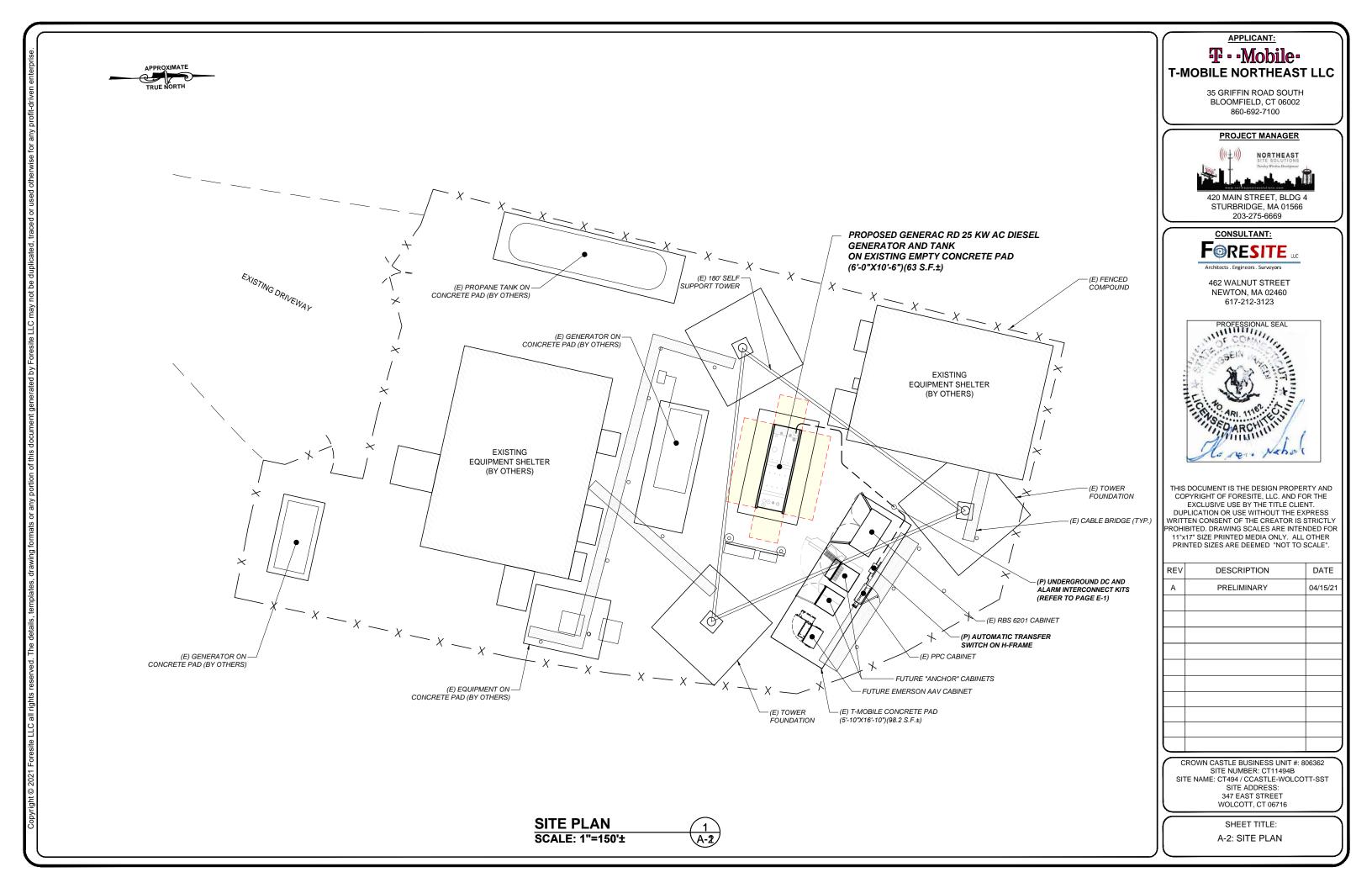
- NEC NATIONAL ELECTRICAL CODE ON TOWER LIGHTING KITS.
- UL UNDERWRITER'S LABORATORIES APPROVED ELECTRICAL PRODUCTS. Н

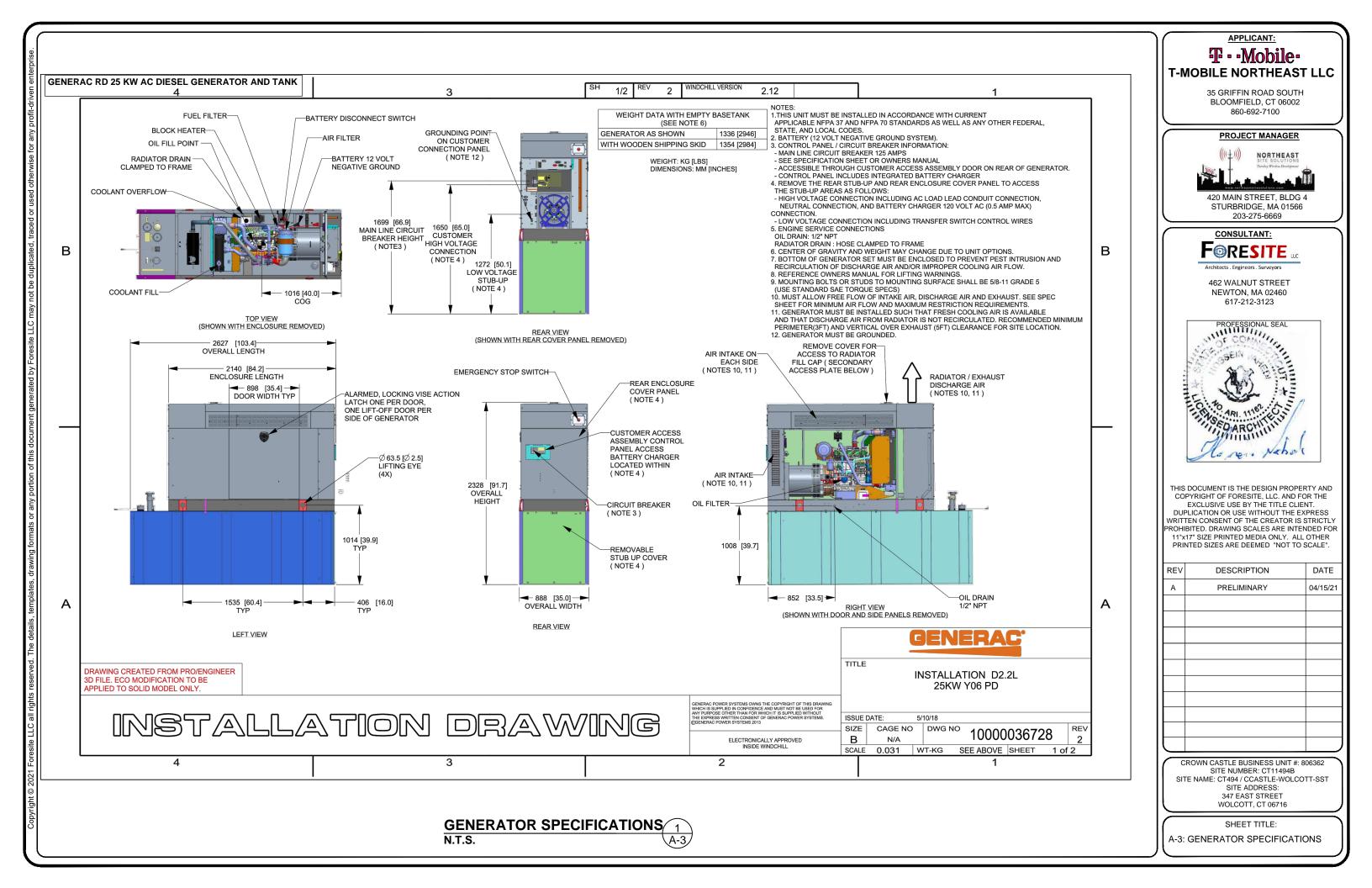
IN ALL CASES, PART 77 OF THE FAA RULES AND PARTS 17 AND 22 OF THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS

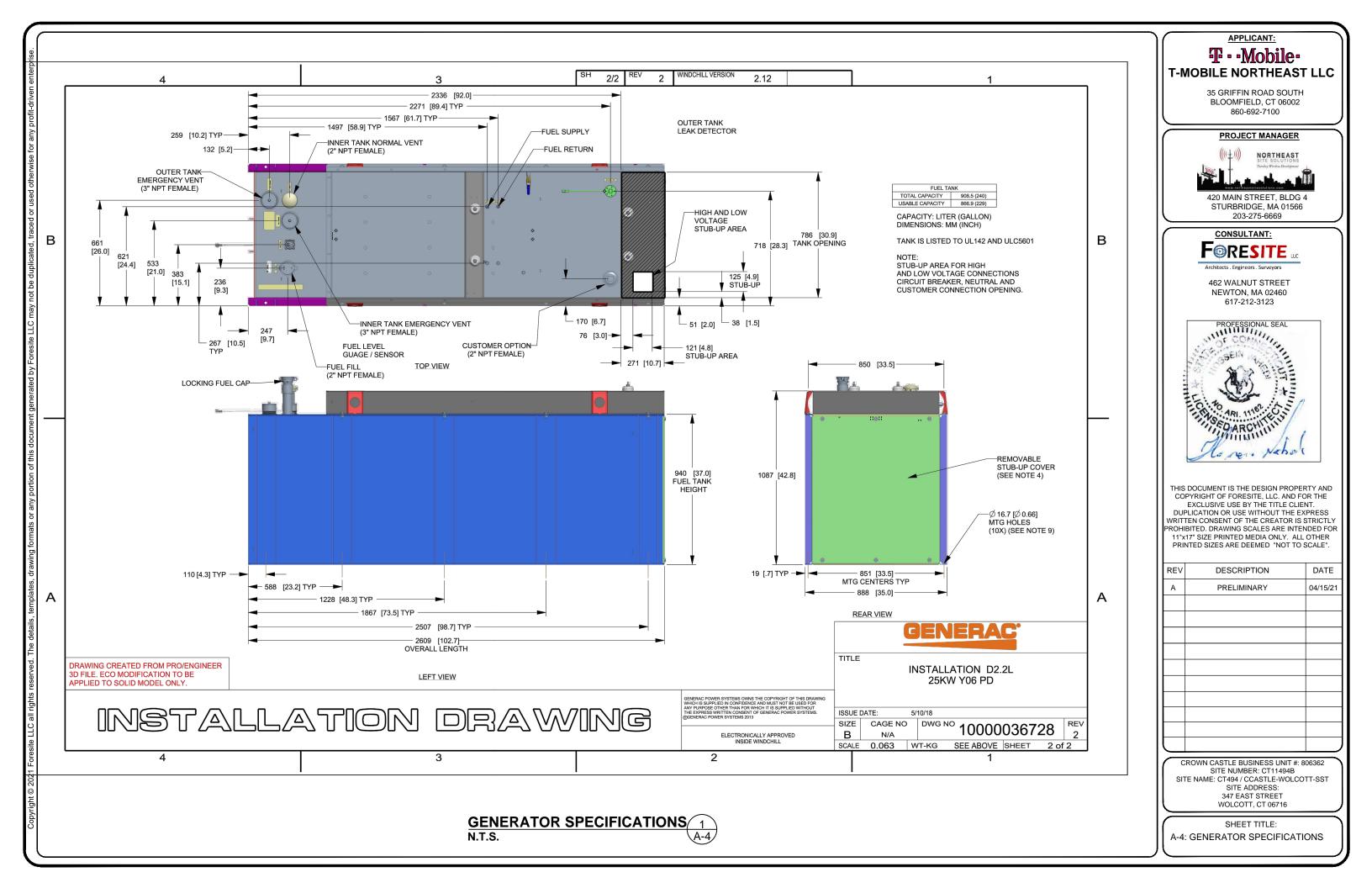
J. 2018 LIFE SAFETY CODE NFPA - 101.

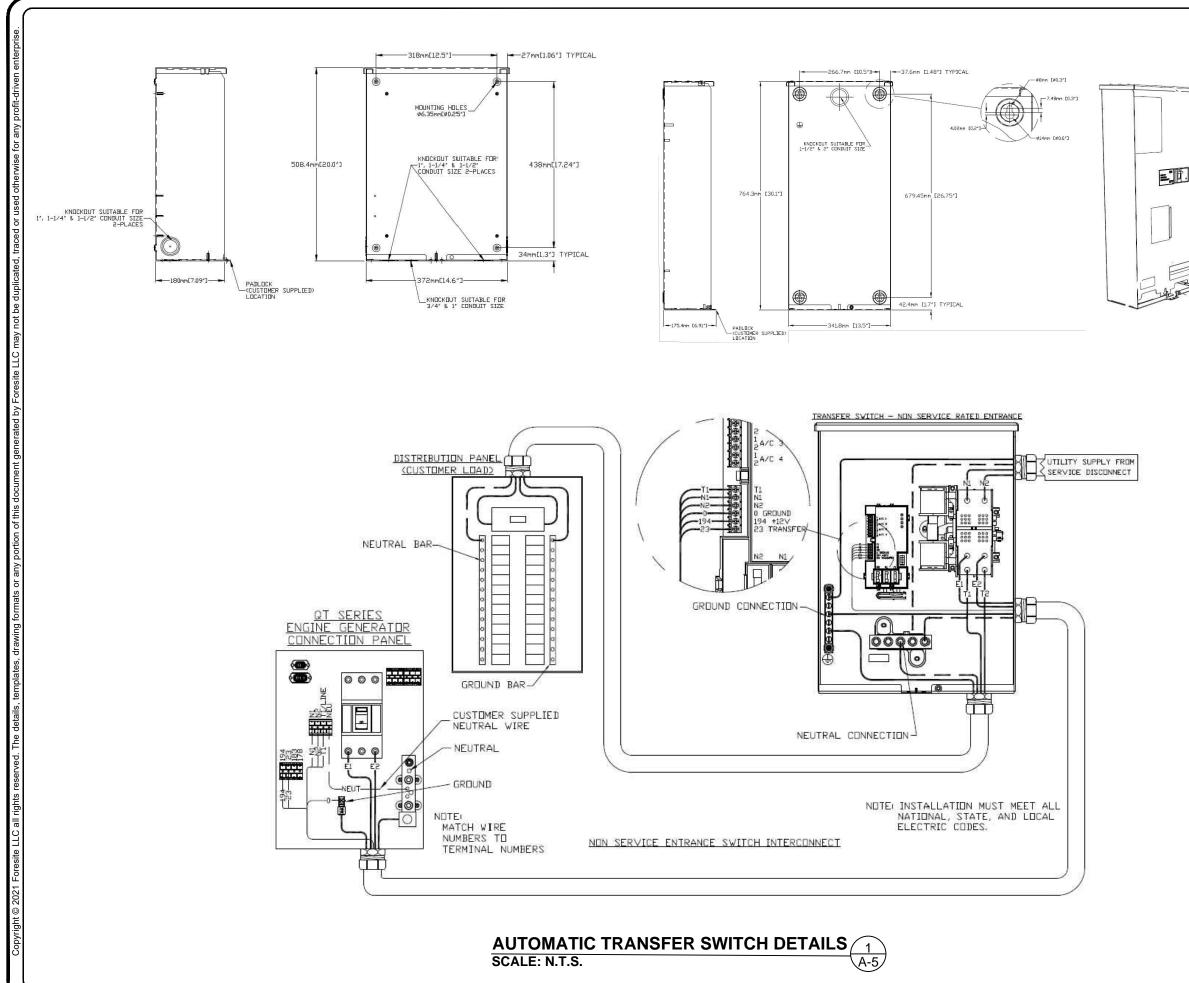




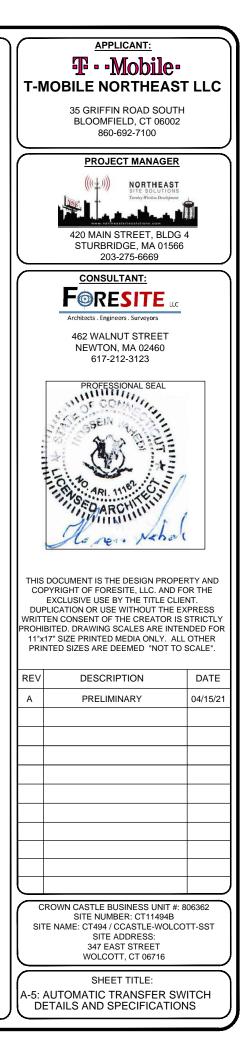


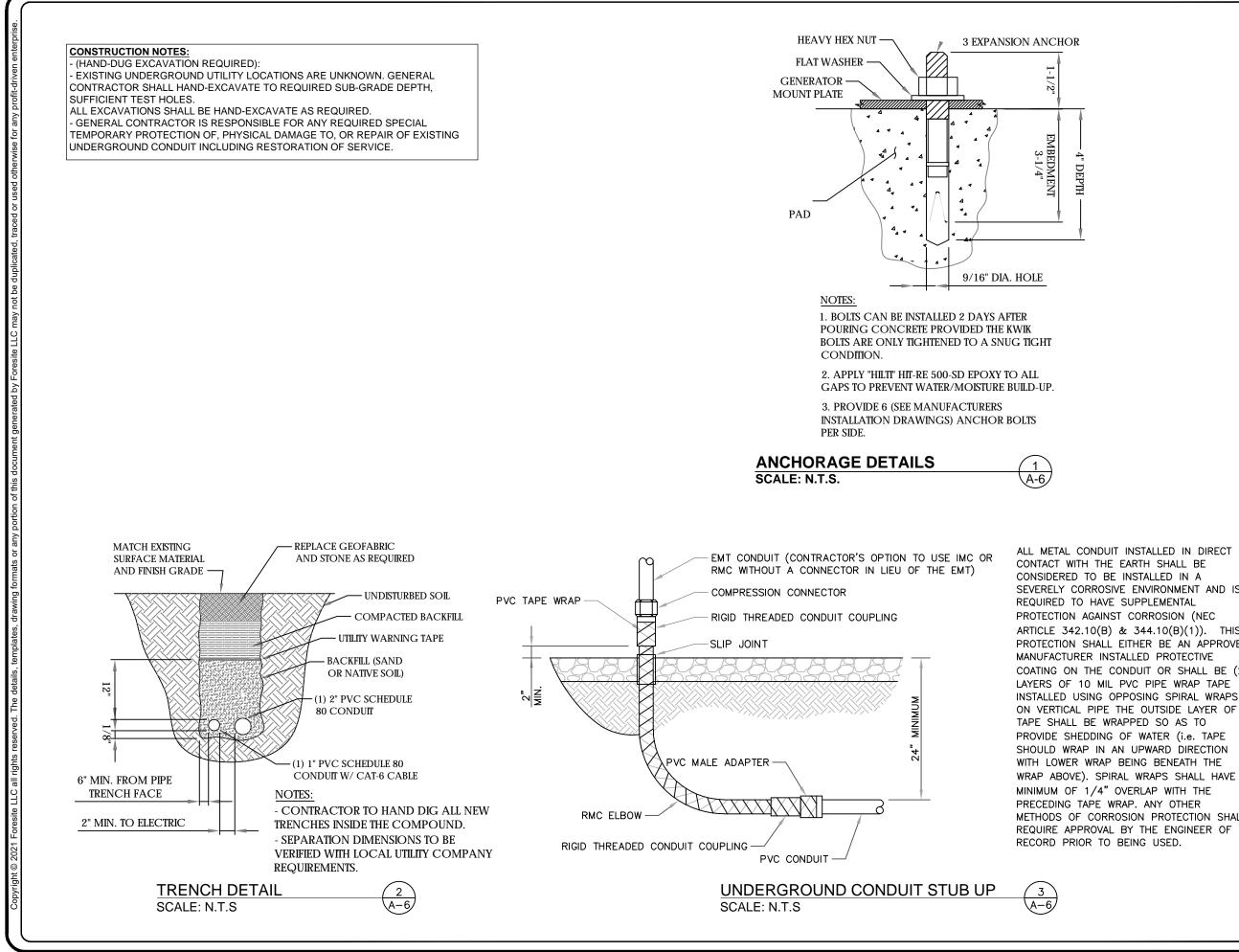




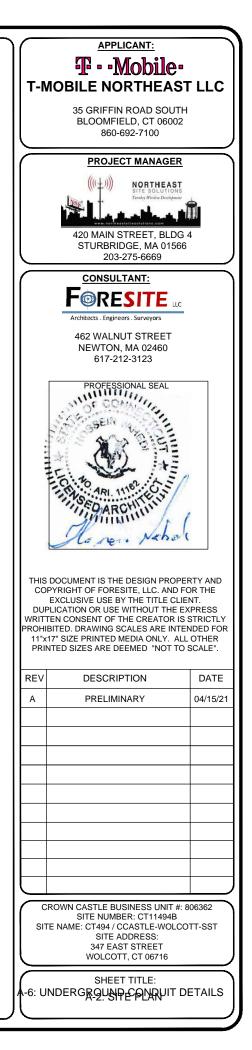








SEVERELY CORROSIVE ENVIRONMENT AND IS ARTICLE 342.10(B) & 344.10(B)(1)). THIS PROTECTION SHALL EITHER BE AN APPROVED COATING ON THE CONDUIT OR SHALL BE (2) INSTALLED USING OPPOSING SPIRAL WRAPS. WRAP ABOVE). SPIRAL WRAPS SHALL HAVE A METHODS OF CORROSION PROTECTION SHALL



#### GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES INCLUDING LATEST EDITIONS OF:

NEPA - NATIONAL FIRE PROTECTION ASSOCIATION UL - UNDERWRITERS LABORATORIES

NEC - 2017 NATIONAL ELECTRICAL CODE NEMA - NATIONAL ELECTRIC

MANUFACTURERS ASSOCIATION

OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

IBC - 2015 INTERNATIONAL BUILDING CODE

2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PRODUCED PER SPECIFICATION REQUIREMENTS.

3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM

4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.

5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) ND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.

6. RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.

7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THIN INSULATION.

8. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NAME 3R ENCLOSURE.

9. GROUNDING SHALL COMPLY WITH NEC ART. 250.

10 GROUNDING COAX CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURES COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.

11. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSTALLATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE GROUND

12. ALL GROUND CONNECTION TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.

13. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AS RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY BOND ANY METER OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR

14. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PROCEDURES (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN RBS UNIT).

15. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.

16. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTION.

17. TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.

18. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.

19. VERIFY PROPOSED SERVICE UPGRADE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.

20. EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. GENERAL CONTRACTOR SHALL HAND-EXCAVATE TO REQUIRED SUB-GRADE DEPTH, SUFFICIENT TEST HOLES OR AS DIRECTED / REQUIRED BY CONSTRUCTION MANAGER. ALL PROPOSED UNDERGROUND UTILITY TRENCHES SHALL BE HAND-EXCAVATE AS REQUIRED GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED SPECIAL TEMPORARY PROTECTION OF, PHYSICAL DAMAGE TO. OR REPAIR OF EXISTING UNDERGROUND CONDUIT INCLUDING RESTORATION OF SERVICE

PROVIDE SLIP JOINS WHERE CONDUITS TRANSITION FROM UNDERGROUND 21. TO ABOVE GROUND.

#### NOTES:

DIAGRAM AS SHOWN, IS A GENERIC ROUTING SCHEMATIC BASED ON AVAILABLE INFORMATION AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. CONTRACTOR SHOULD INSTALL THE GENERATOR. EQUIPMENT AND CONNECTIONS BASED ON VERIFIED ELECTRICAL AUDITS AND PER MANUFACTURER'S INSTALLATION GUIDELINES AS WELL AS ALL APPLICABLE LOCAL AND NATIONAL CODES AND REQUIREMENTS.

#### **GROUNDING NOTES:**

GROUNDING SHALL COMPLY WITH NEC ART 250 AND MANUFACTURER'S RECOMMENDATIONS. TIE INTO THE EXISTING GROUNDING SYSTEM.

2. CONTRACTOR SHALL INSTALL GROUND RODS ON ALL UNDERGROUND GROUNDING RUNS LONGER THAN 10'. GROUND RODS WILL BE INSTALLED ON 20' CENTERS MAXIMUM.

ALL DOWN CONDUCTORS MUST GO DOWN PER NFPA 780.

4. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING

CONTRACTOR MY USE EXISTING CONDUITS AND CONDUCTORS PROVIDED THEY ARE IN GOOD CONDITION AND ARE SUFFICIENTLY RATED.

UTILITY POWER

М

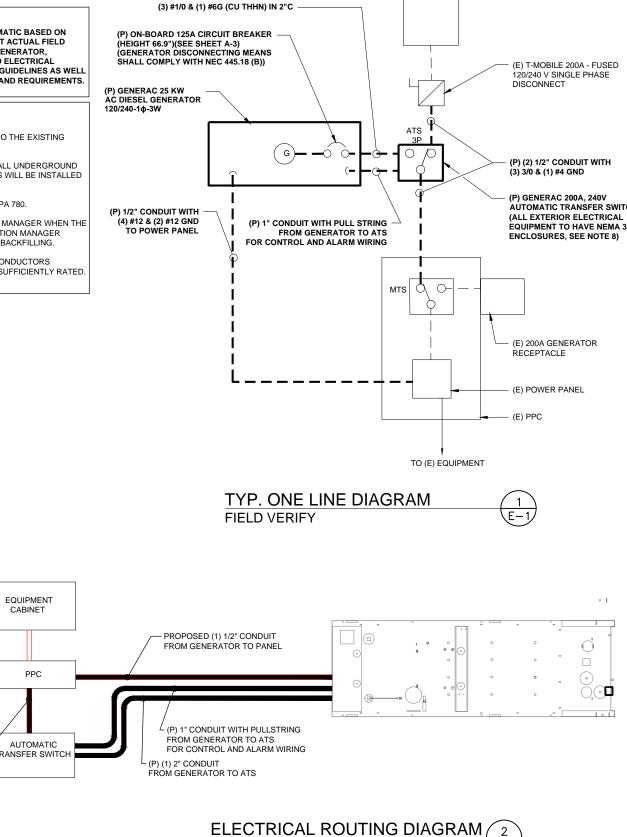
DISCONNECT

PROPOSED 2-1/2" CONDUIT

FROM DISCONNECT TO ATS

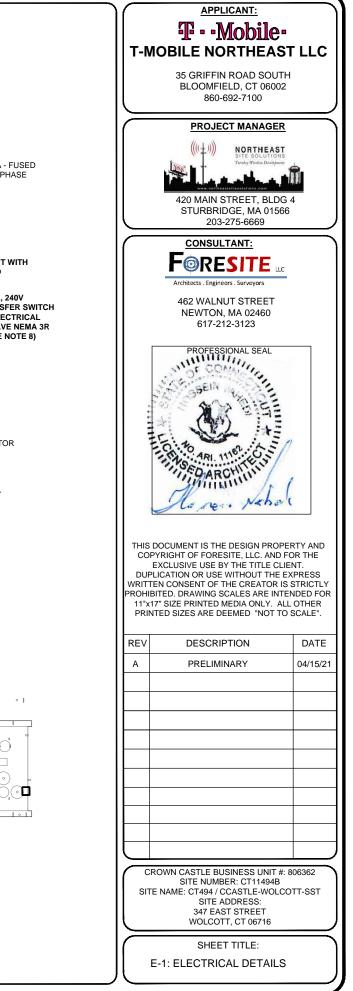
PROPOSED 2-1/2" CONDUIT

FROM ATS TO PANEL

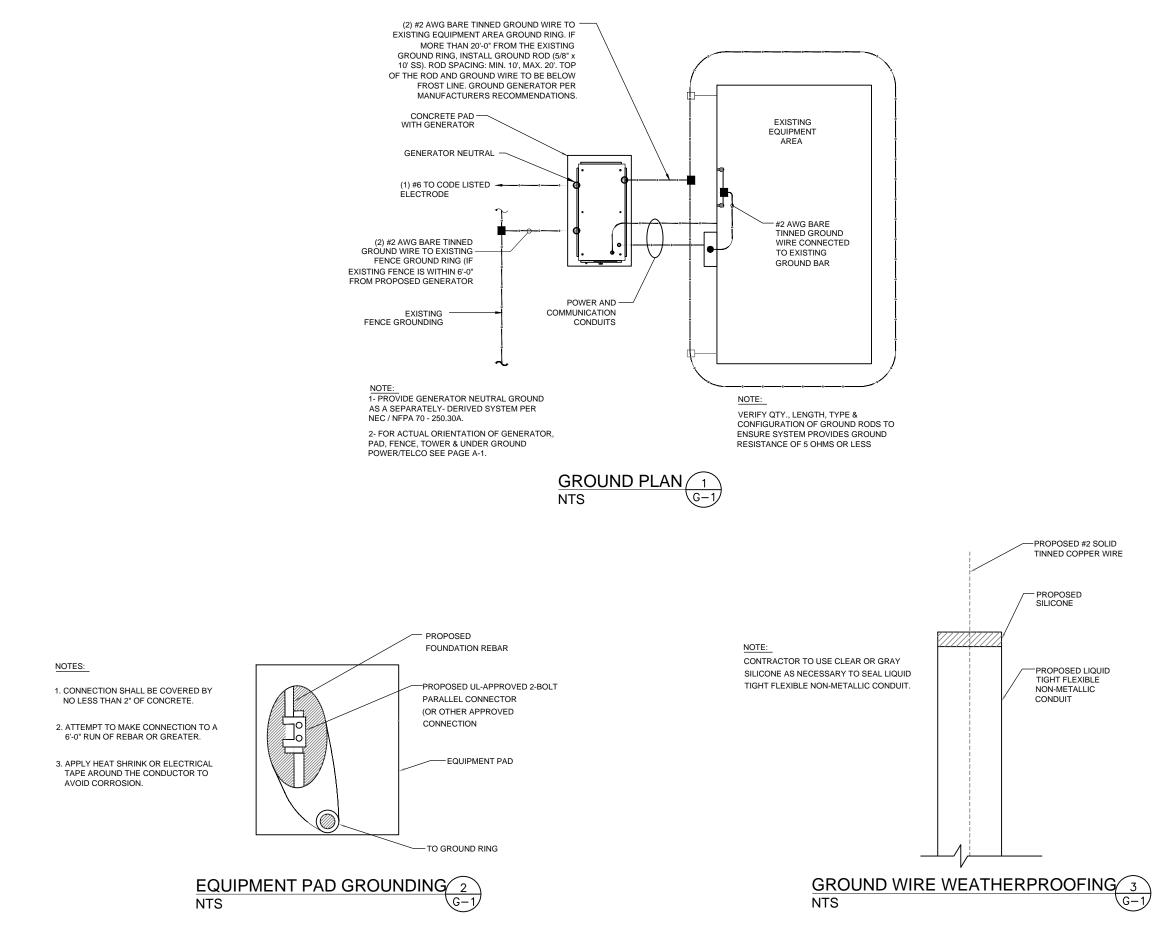


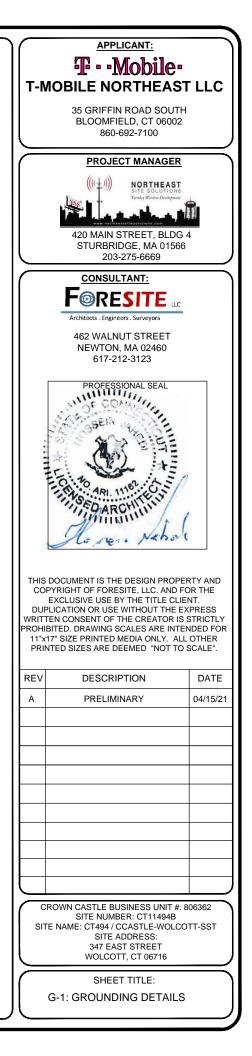
SCALE: N.T.S





**AUTOMATIC TRANSFER SWITCH** EQUIPMENT TO HAVE NEMA 3R



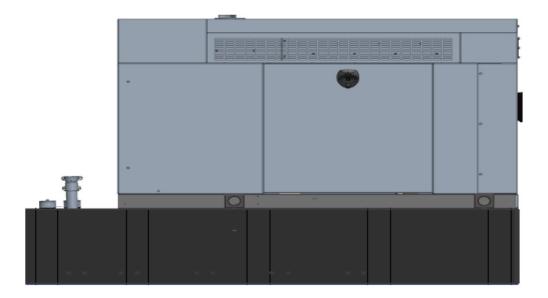


# Exhibit D



# **Generac RD025 Design Document**

Diesel, AC, 25kW External Fill Tank Model#7192-0 SKU#33651



The following are responsible for this project document:

Kevin Smith

SR. Engineer (770) 256-3594

| Project Design Spec Revision | 1.0  | Last Date:08/23/2018 | 5/14/2018 |
|------------------------------|--|----------------------|-----------|
|                              |  |                      |           |
| Final doc URL (~Dnnnnn):     |  |                      |           |
| Location                     | Use the InfoRouter Search (Advanced) putting the Document ID (nnnnnn without the D) to find the location of the master document. |                      |           |
| Template URL:                | http://docs.eng.t-mobile.com/InfoRouter/docs/~D423750 Slightly updated 1/2011  |                      |           |

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## **1** Introduction / Project Summary

#### 1.1 Purpose of Project

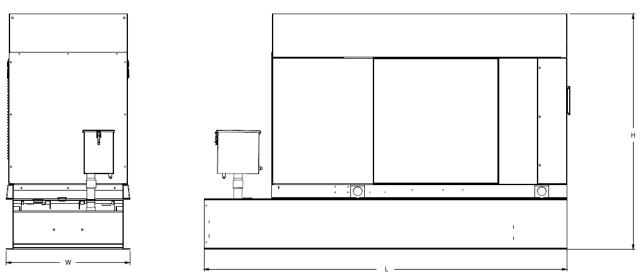
T-Mobile's nationwide cell site hardening plan is providing a refuellable backup power system capable of powering a site for a minimum of 48 hours before refueling is required. The purpose of this project is to give T-Mobile customers reliable service during power outages and provide a sufficient layer of coverage. This design document is for Generac's RD025 model#7192-0, which is a Diesel AC generator with a capacity of 25kW.

#### **1.2 Feature Description**

The Generac RD025 is a 25kW AC, diesel generator is one of the generators selected as part of the T-Mobile RFP in support of the nationwide cell site hardening plan. The RD025 has a Level 2 acoustic enclosure, 3 phase sensing, and +-0.25% digital voltage regulation. It is equipped with RS232, RS485 and canbus remote ports and Evolution control panel. It is also equipped with a automatic transfer switch, the RXSC200A3 (Automatic Transfer Switch) Controls the process of transferring commercial AC power and generator power. The RXSC200A3 is a 200Amp, switch that is programmed to perform engine test runs and also has adjustable engine run time capabilities. For RXSC200A3 Owners Manual and full feature descriptions LINK.

#### **1.3 Dimensions**

The dimensions of a level 2 Acoustic Enclosure L x W x H in inches  $103.4 \times 35 \times 91.7$ . T-Mobile requires a 36-inch radius around the generator that will cover the 18'' door swing on the generator.



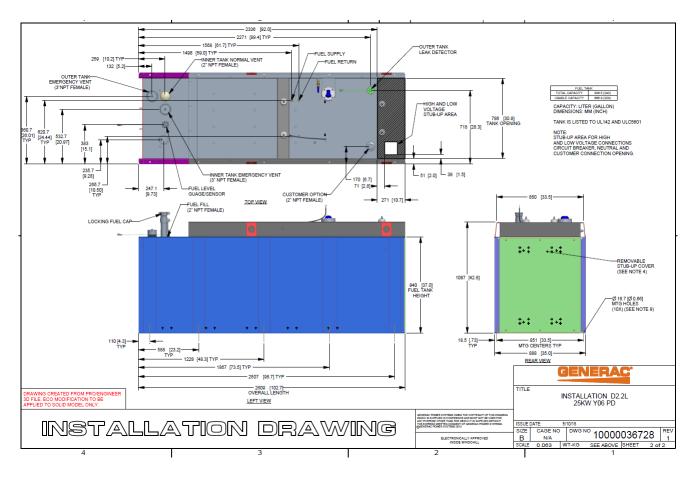
Weights and Dimensions

| Unit Weight - Ibs | Unit Weight with Skid - Ibs | Dimensions (L x W x H) - in |
|-------------------|-----------------------------|-----------------------------|
| 2,123             | 2,161                       | 103.4 x 35.0 x 73.8         |

## T - Mobile-

## 2 Fuel Tanks

The RD025 has a 102.7" 240 Gallon Double-Wall UL142 Base tank to provide 98 hours of backup power at full load deployed on site. Below is the Install drawing for the 240-gallon tank for the RD025kW.



## 3 RXSC200A3 ATS/ Controller

#### 3.1 Hardware

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

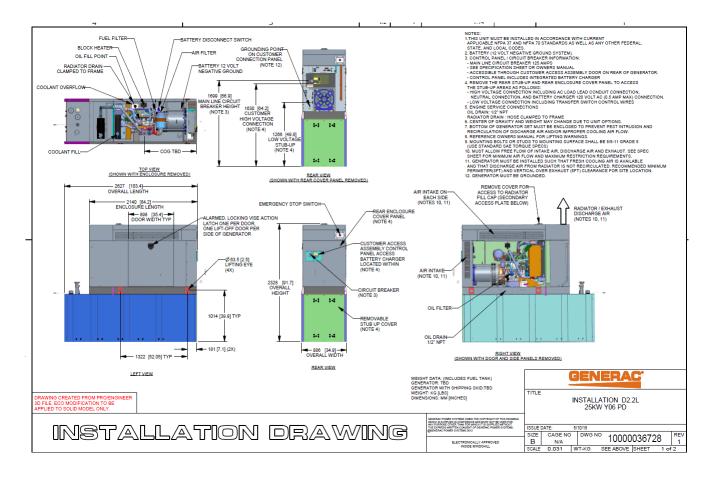


RXSC200A3 Link

RXSC200A3 install drawing Link

Evollution controller spec sheet Link

#### RD025 installation drawings and supporting documentation Link

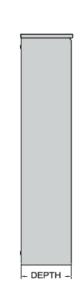


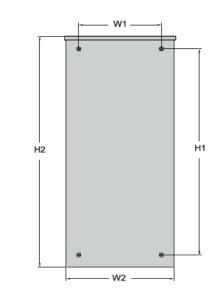
## 3.2 RXSC200A3 Automatic Transfer Switch

The RXSC200A3 (Automatic Transfer Switch) is equiped with the following functions. Utility voltage drop-out <65%. Timer to Generator start: 10 second factory set, adjustable between 2-1500 seconds. Engine Warm up delay: 5 seconds. Standby Voltage Sensor: 65% for 5 seconds. Utility Voltage Pickup >80%. Re-Transfer Time Delay: 15 seconds. Engine Cool-Down Timer: 60 seconds. Exerciser: 5 or 12 minute adjustable weekly/by-weekly/monthly.The transfer switch can also be operated manually without power applied

## **RXSC200A3** Dimensions

| Model               |    | RXSC200A3   |
|---------------------|----|-------------|
| Height              | HI | 17.24/437.9 |
| (in./mm)            | H2 | 20/508      |
| Width               | WI | 12.5/317.5  |
| (in./mm)            | W2 | 14.6/370.8  |
| Depth (in./mm)      |    | 7.09/180.1  |
| Weight (lbs./kilos) |    | 20/9.07     |







## 4 Architecture/Alarms

#### 4.1 Interfaces and Alarming

The generator will be monitored by external alarms, conduit and cat five cables have to be installed from the Evolution Controllers Low Voltage Box located in the Generac generator to the appropriate cell site equipment. Nokia FSEB or FSEE and in Ericsson the SAU.

At a Nokia site, this connection is at the FSEB or an FSEE module. For the wiring diagram and instructions for the FSEB click the <u>Link</u>. (The FSEE is the Nokia module that will be replacing the FSEB. For details on the FSEE contact: HQNokiaCellsiteDesigns@T-Moblie.com)

Ericsson sites will connect to the SAU module via OVP Expansion Kit for 8 External Alarms. Product number: UTOVP-ALM8EXP. For the wiring diagram and instructions for this click the <u>link</u>.

The RXSC200A3 has auxiliary contacts that will facilitate the *ATS in Emergency position* alarm and will be a Normally Closed contact. Below is the wiring schematic for this contact and it can be found in the RXSC200A3 owners manual.

#### Auxiliary Contact

See **Figure 3-4**. If desired, there is one normally-closed Auxiliary Contact (A) on the transfer switch to operate customer accessories, remote advisory lights, or remote annunciator devices. A suitable power source must be connected to the common terminal. If needed, an extra auxiliary contact can be added.

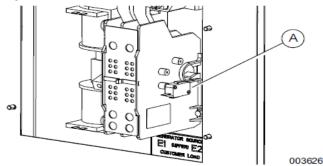


Figure 3-4. Auxiliary Contact

The auxiliary contact is normally closed when the transfer switch is in utility mode. The contacts will open when the transfer switch is in the standby power mode.

**NOTE:** Auxiliary Contact is rated 10 amps at 125 or 250 volts AC, and 0.6 amps at 125 volts DC.

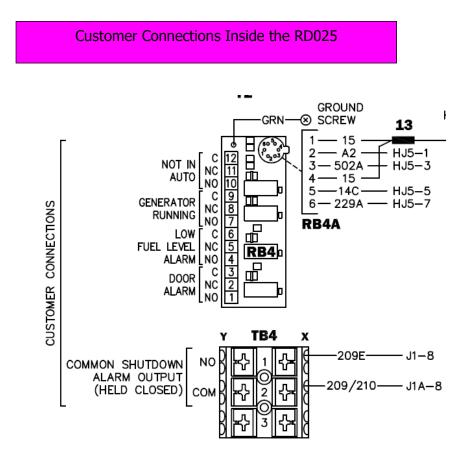
#### **ACAUTION**

Equipment damage. Exceeding rated voltage and current will damage the auxiliary contacts. Verify that voltage and current are within specification before energizing this equipment. (000134a)

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T-Mobile has four relays available from the Generac controller that are user-defined. T-Mobile can have four-alarm categories and a limitless number of subcategories. T- Mobile will utilize Normally Closed (NC) dry contacts for alarms in Low Voltage Connection box in the spare outputs section. Ericsson cabinets need to be equipped with the alarm expansion kit (UTOVP-ALM8EXP) to handle external alarms.



#### Ericsson UTOVP- ALM8EXP



# UTOVP-ALM8EXPOVP Expansion Kit for 8 External AlarmsQtyProduct noDenominationUTOVP-ALM8EXPOVP Expansion Kit for 8 External Alarms1NFD30234/08OVERVOLTAGE ARRESTER/OVP-ALM 81RPM777143/01200CABLE WITH CONNECTOR/SIGNAL CABLE2



| Evolution Controller Customer |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| Connections                   | Nokia FSEB Alarm Connections 13-24 | T-Mobile Standard Alarms  |
| NC#8-Gen Running              | NC 4110 grd 4111 pin 13            | Generator Running         |
| NC#11-Not In Auto             | NC 4110 grd 4111 pin 14            | Generator Alarm Critical  |
| NC#2-Door Alarm               | NC 4110 grd 4111 pin 15            | Generator Alarm NSI       |
| NC#5-Low Fuel                 | NC 4110 grd 4111 pin 16            | Low Fuel                  |
| RXSC200A3-Auxiliary Contacts  | NC 4110 grd 4111 pin 17            | ATS in Emergency Position |

| Evolution Controller Customer |                                |                           |
|-------------------------------|--------------------------------|---------------------------|
| Connections                   | Ericsson Alarm 8expConnections | T-Mobile Standard Alarms  |
| NC#8- Gen. Running            | NC - A5                        | Generator Running         |
| NC#11-Not In Auto             | NC - A6                        | Generator Alarm Critical  |
| NC#2-Door Alarm               | NC - A7                        | Generator Alarm NSI       |
| NC#5-Low Fuel                 | NC - A8                        | Low Fuel                  |
| RXSC200A3-Auxiliary Contacts  | NC - A9                        | ATS in Emergency Position |

## **5** Regulatory Requirements

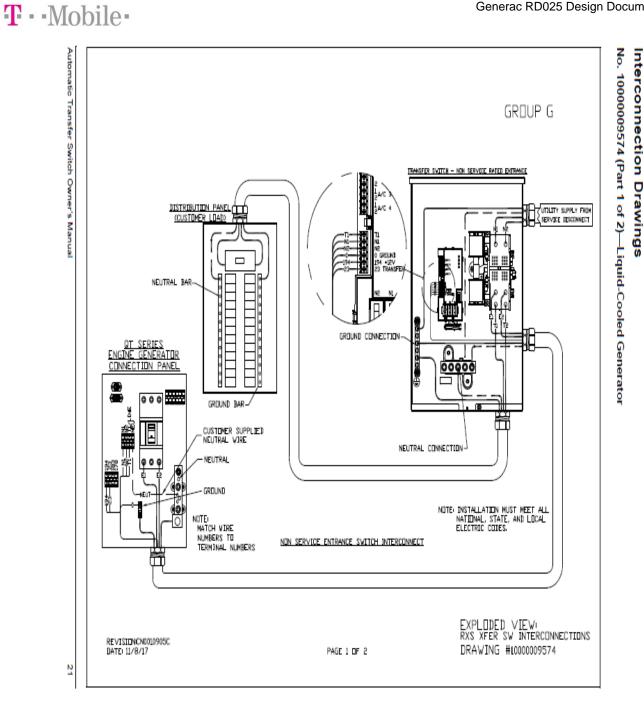
Level 2 Acoustic Enclosure provides a noise level of 67.5dBA. It is EPA certified and meets NFPA 99 and 110 requirements(NFPA National Fire Protection Association). The RD025 generator engines is a tier 4 engine and meets the EPA final standards.

## 6 Configuration/Diagrams

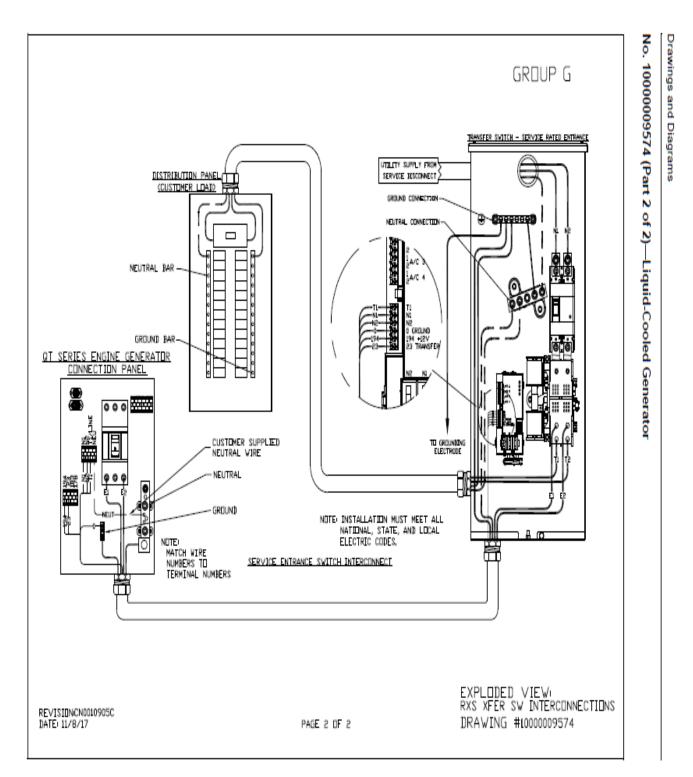
The physical configuration of the Generator and the RXSC200A3 is, ATS before the PPC to ensure overcurrent protection when commercial power is restored. The RD025 and the RXSC200A3 has to be wired to Commercial AC power.



## Commercial Power Connection Points On The RXSC200A3

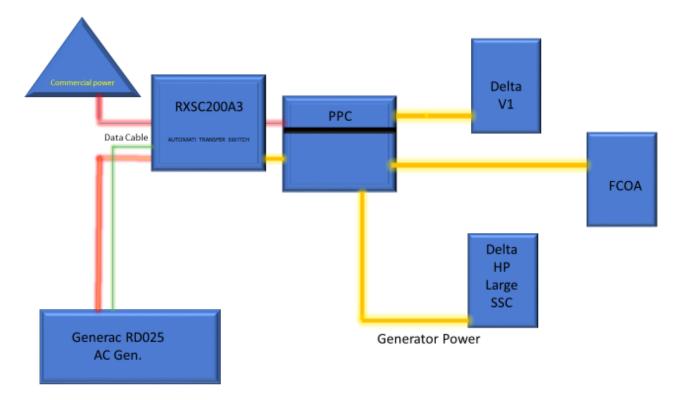


Generac RD025 Design Document



 $\mathbf{T}$  · · Mobile ·

## **Compound Diagram:**



## 7 Maintenance

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

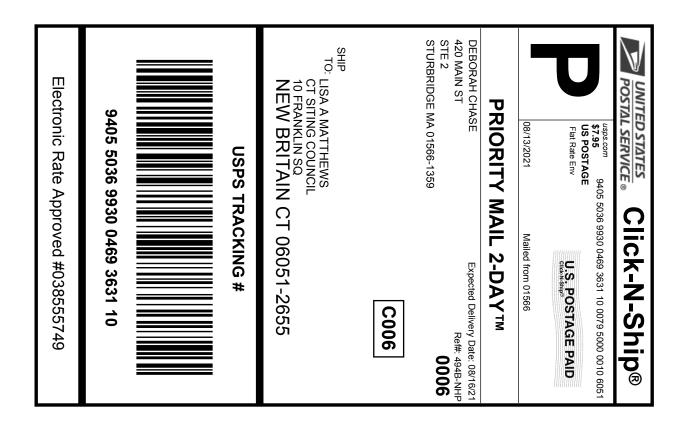
T-Mobile requires this minimum service checklist for the generator engine:

- Check engine mounts and support. Tighten fasteners.
- Check all the engine hoses and clamps for proper fit, and any signs of cracking and fatigue from wear.
- Inspect all belts for signs of cracking and fatigue from wear and adjust for proper tension.
- Inspect the exhaust system for leaks, burns and wet stacking. Drain exhaust line and tighten any clamps and flange bolts.
- Inspect silencer and plumbing for leaks, cracks or any other signs of wear.
- Inspect the system for fuel, oil and coolant leaks and signs of corrosion.
- Replace water separator.
- Replace water filter/ conditioner.
- Check Anti-Freeze (Spector-Analysis).
- Check coolant level and add, if needed.
- Inspect radiator mounting for signs or wear and cracking.
- Inspect/ clean air filter and change per manufacturer specifications.
- Inspect air intakes and outlets and tighten clamps and brackets, if applicable.
- Replace fuel filter.
- Inspect the carburetor fuel injection system, fuel injection pump and choke, if equipped. Adjust to manufacturers specifications.
- Change engine oil, oil filter and record the date on the filter casing.
- Check engine heater operation, if equipped.
- Check and adjust the battery charger operations, and charge rate within the manufacturer's recommended operating specifications.

- Inspect the battery housing, hardware connections, and cables for corrosion and wear.
- Check the battery electrolyte levels and specific gravity levels.
- Load test generator battery.
- Check, adjust and record generator output voltage, as necessary.
- Check and record the alternator charge rate.
- During inspection run the generator for 30 minutes under load. During this time, and after the engine is at full operational speed and has reached engine operating temperature; determine and record the condition of all inspection points: oil pressure, water/ coolant temperature, Fuel pressure, generator gauge, indicator operations, generator battery.
- Check the engine timing and adjust to manufacturers specifications, if necessary.
- Inspect, adjust and record governor and frequency, if necessary.
- Verify that the low fuel alarm is operational and configured correctly to trigger when the fuel tank reaches 50% of fuel tank capacity.

Check fuel level and refuel the generator during the preventive/ corrective maintenance visit.

# Exhibit E



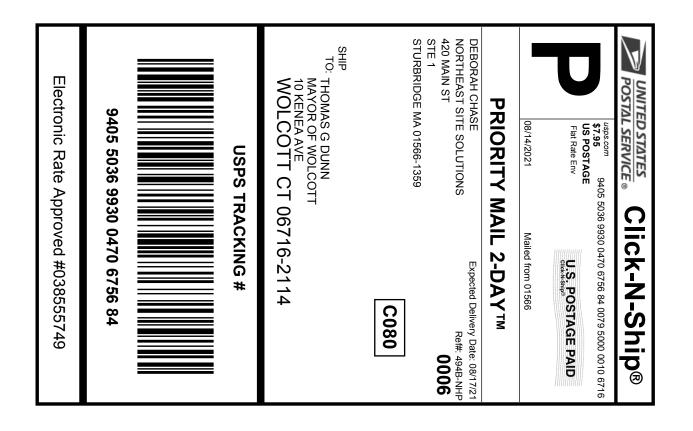
## Instructions

- 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



# Exhibit F

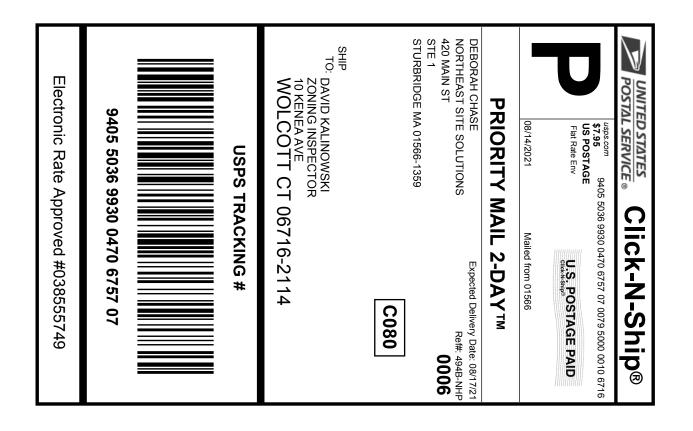


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## Click-N-Ship® Label Record



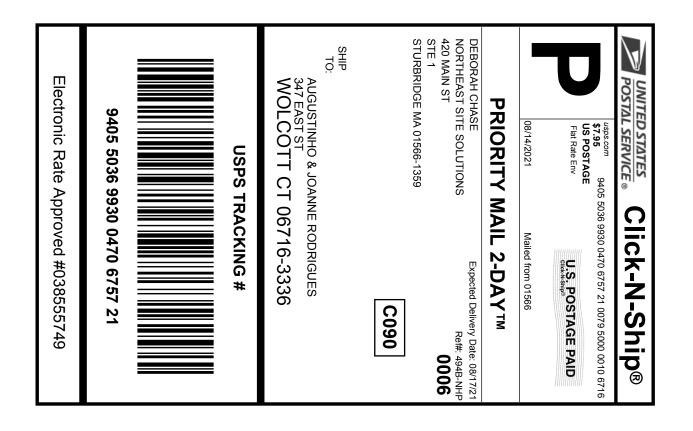


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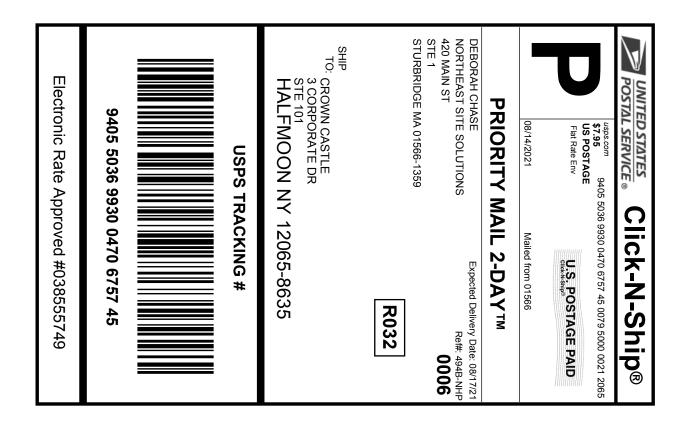


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## Click-N-Ship® Label Record





| STURBRIDGE<br>316 MAIN ST<br>STURBRIDGE, MA 01566-9998<br>(800)275-8777    |                   |                              |          |
|--|-------------------|------------------------------|----------|
| 08/13/2021   | 0007275-8         | ///                          | 01:55 PM |
| Product  |                   | Unit<br>Price                | Price    |
| Prepaid Mail   | 1                 |                              | \$0.00   |
| Wolcott, CT O<br>Weight: O lb<br>Acceptance Da<br>Fri 08/13<br>Tracking #: | 11.20 oz          | CT                           | 114948   |
| Fri 08/13<br>Tracking #:   | /2021             | N                            | DLLOTT   |
| 9405 5036  | 9930 047          | 0 6757 21                    | L · ·    |
| Prepaid Mail<br>Wolcott, CT O  | 6716 <sup>1</sup> |                              | \$0.00   |
| Weight: 0 lb<br>Acceptance Da  | 11.20 oz          |                              |          |
| Fri 08/13<br>Tracking #:   |                   |                              |          |
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| Prepaid Mail<br>Wolcott, CT O  | 1<br>6716         |                              | \$0.00   |
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| 9405 5036  | 9930 0470         | 0 6756 84                    | ł        |
| Prepaid Mail<br>New Britain, (   | 1<br>CT 06051     |                              | \$0.00   |
| Weight: 1 lb<br>Acceptance Da  | 14.10 oz          |                              |          |
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