



Centerline Communications LLC

c/o Cullen Morgan
Site Acquisition Consultant
12579 Sagewood Drive
Venice, FL 34293
(941)549-7263
cmorgan@clinellc.com

October 16, 2023

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

RE: NOTICE OF EXEMPT MODIFICATION
24 Dinglebrook Lane, Newtown, CT 06470
Latitude: 41.466947
Longitude: -73.333903
Carrier: T-Mobile
T-Mobile Site #: CTFF013A

Dear Members of the Siting Council:

T-Mobile currently maintains six (6) antennas at the 166-foot level of the existing 180-foot monopole tower at 15 Oakdale Avenue Winsted, CT 06098. The 180-foot tower is owned by American Tower Corporation and the property is owned by William P. Stow Trustee. T-Mobile now intends to install/add a 48KW diesel generator to the their existing leased space within the existing compound

Planned Modifications:

Install New Ground Equipment:

- (1) 48kW Diesel Generator
- (1) T-Mobile Generator ATS

Existing Ground Equipment to Remain:

- (1) B160 Battery Cabinet
- (1) 6161 Cabinet

Existing Tower Equipment to Remain:

- (4) AIR 6419 Antennas
- (4) APXVAARR24 Antennas
- (4) RRU 4419 B71+B85
- (3) RRU 4460 B25+B66
- (1) ANT3 0.9 HPX Microwave Dish
- (2) ODUs mini link 6365
- (4) 6x24 Hybrid Cables

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

Existing Tower Equipment to Remain (continued):

- (2) 3/8" Coax Cables
- (1) Power Cable
- (1) Fiber Cable

This facility was approved by the Connecticut Siting Council in Docket No. 376, dated August 27, 2009, with conditions. We used the information from the previous filing. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72(b)(2). In accordance with R.C.S.A. §16-SOj-73, a copy of this letter is being sent to Daniel C. Rosenthal – First Selectman of the Town of Newtown, John Poelti – Chief Building Official for the town of Newtown, as well as the property owner and the tower 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).

Respectfully,



Cullen Morgan
Site Acquisition Consultant
Centerline Communications, LLC (Agent to T-Mobile)
Mobile: (941) 549-7263
E-mail: cmorgan@clinellc.com

Attachments

cc: David C. Rosenthal, First Selectman – Town of Newtown
John Poelti, Chief Building Official – Town of Newtown
Crown Castle - Tower Owner
Genesis TT LLC - Property Owner

Centerline Communications
750 W Center St #301
WEST BRIDGEWATER, MA 02379
(844) 748-8878

Centerline Disbursement

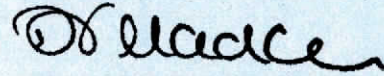
00043492
Date: 10/02/2023

Memo: CTFF013A

Pay To
The Order Of **CONNECTICUT SITING COUNCIL**
Six Hundred Twenty Five Dollars

***625.00**

CONNECTICUT SITING COUNCIL
United States



⑈00043492⑈ ⑆011304478⑆ 002922009879⑈

Centerline Communications
VEN-010420--CONNECTICUT SITING COUNCIL
Print As: CONNECTICUT SITING COUNCIL

00043492
Centerline Disbursement
B-003 9879
Date: 10/02/2023

Date	Bill #	Reference Number	Amount Due	Term Discount	Amount Paid/Applied
10/02/2023	572283-008	00043492	\$625.00	\$0.00	\$625.00
Net Amount:					\$625.00



EXHIBIT A

Original Facility Approval





STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

January 18, 2019

William Stone
Real Estate Specialist
Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

RE: **TS-T-MOBILE-097-181228** – T-Mobile Northeast LLC request for an order to approve tower sharing at an existing telecommunications facility located at 24 Dinglebrook Lane, Newtown, Connecticut.

Dear Mr. Stone:

At a public meeting held on January 17, 2019, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

1. Prior to T-Mobile's antenna installation, the tower modifications shall be installed in accordance with the Tower Modification Drawings as shown in Appendix D of the Structural Modification Report prepared by FDH Infrastructure Services, LLC, dated September 18, 2018 and stamped and signed by Dennis D. Abel;
2. Within 45 days following completion of equipment installations, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Modification Report;
3. Approval of any minor changes be delegated to Council staff;
4. Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
5. Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
6. Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
7. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function.
8. The validity of this action shall expire one year from the date of this letter; and
9. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and applies only to this request for tower sharing dated December 27, 2018. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.



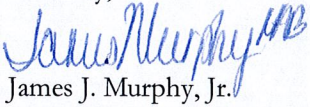
CONNECTICUT SITING COUNCIL
Affirmative Action / Equal Opportunity Employer

The proposed shared use is to be implemented as specified in your letter dated December 27, 2018 including the placement of all necessary equipment and shelters within the tower compound.

Please be advised that the validity of this action shall expire one year from the date of this letter.

Thank you for your attention and cooperation.

Sincerely,



James J. Murphy, Jr.
Acting Chairman

JM/MAB/emr

- c: The Honorable Daniel C. Rosenthal, First Selectman, Town of Newtown
George Benson, Director of Planning and Land Use, Town of Newtown
Genesis TT, LLC, Property Owner



EXHIBIT B

Property Card



24 DINGLEBROOK LANE

Location 24 DINGLEBROOK LANE

M/B/L 22/ 3/ 4/C /

Acct# 00174600C

Owner GENESIS TT LLC

Assessment \$378,390

Appraisal \$540,550

PID 15217

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2022	\$156,550	\$384,000	\$540,550

Assessment			
Valuation Year	Improvements	Land	Total
2022	\$109,590	\$268,800	\$378,390

Owner of Record

Owner GENESIS TT LLC
Co-Owner C/O TARPON TOWERS II, LLC
Address 8916 77TH TERRACE EAST #103
LAKEWOOD RANCH, FL 34202

Sale Price \$620,000
Book & Page 1120/0239
Sale Date 12/05/2018
Instrument 38

Ownership History

Ownership History				
Owner	Sale Price	Book & Page	Instrument	Sale Date
GENESIS TT LLC	\$620,000	1120/0239	38	12/05/2018
LINDA LUNDGREN LIFE USE	\$0	1112/0725	34	06/04/2018
LUNDGREN PAUL R EST	\$0	0857/0723		12/25/2009

Building Information

Building 1 : Section 1

Year Built:

Living Area: 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:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Extra Opening(s)	
Gas Fireplace(s)	
Blocked FPL(s)	
Woodstove(s)	
SF Fin Bsmt	
Fin Bsmt Qual	
Bsmt Garage	
Int Millwork	
Ext. Millwork	
Foundation	
MH Park	
Fndtn Cndtn	
Basement	

Building Photo



(<https://images.vgsi.com/photos/NewtownCTPhotos/\00\02\10\13.jpg>)

Building Layout

Building Layout (ParcelSketch.ashx?pid=15217&bid=20561)

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

Extra Features

Extra Features	Legend
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No Data for Extra Features

Land

Land Use

Use Code 4310
Description CELL SITE
Zone R-2
Neighborhood
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 0.00
Frontage
Depth
Assessed Value \$268,800
Appraised Value \$384,000

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
CELL	Cell Tower			1.00 Units	\$140,000	1
SHD4	Cellular Shed			400.00 S.F.	\$8,160	1
SHD4	Cellular Shed			360.00 S.F.	\$7,340	1
FN1	Fence			250.00 L.F.	\$1,050	1

Valuation History

Appraisal				
Valuation Year	Improvements	Land	Total	
2022	\$156,550	\$384,000	\$540,550	
2021	\$110,580	\$360,000	\$470,580	
2020	\$110,580	\$360,000	\$470,580	

Assessment				
Valuation Year	Improvements	Land	Total	
2022	\$109,590	\$268,800	\$378,390	
2021	\$77,410	\$252,000	\$329,410	
2020	\$77,410	\$252,000	\$329,410	



EXHIBIT C

Construction Drawings



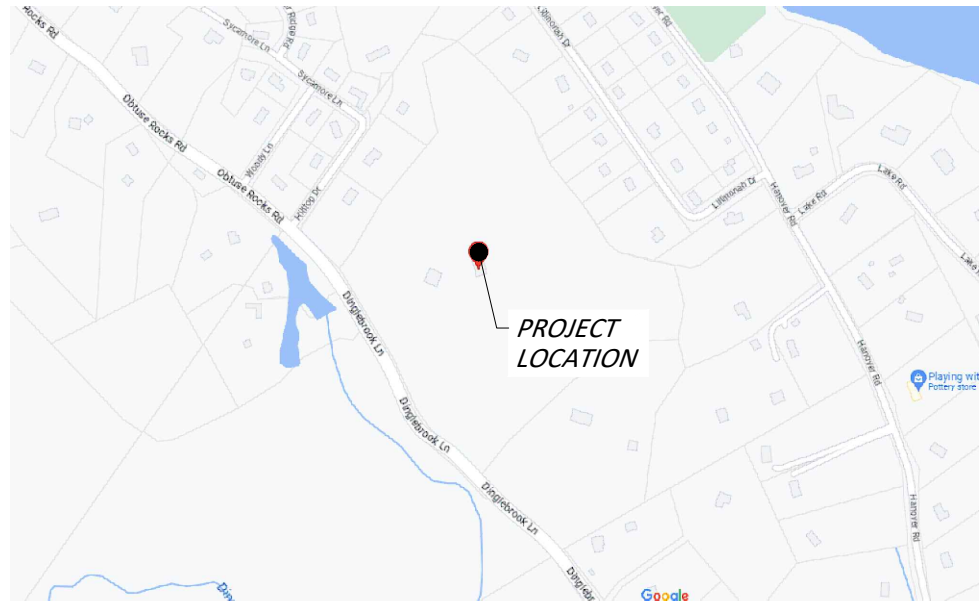
PROJECT INFORMATION

SITE NAME: NEWTON DINGLEBROOK
SITE NUMBER: CTFF013A
SITE ADDRESS: 24 DINGLEBROOK LANE
 NEWTOWN, CT 06470
COUNTY: FAIRFIELD
MUNICIPALITY: TOWN OF NEWTOWN
ZONING: RESIDENTIAL 2 (R-2)
LATITUDE: N 41°28'01.01" (41.466947°) (NAD83)
LONGITUDE: W 73°20'02.05" (-73.333903°) (NAD83)
TYPE OF SITE: MONOPOLE
STRUCTURE HEIGHT: 150'-0"± AGL
ANTENNA CENTER: N/A± AGL
GROUND ELEVATION: 413'-0"± (NAVD 88)
TOWER OWNER NAME: CROWN CASTLE
TOWER OWNER ADDRESS: 2000 CORPORATE DRIVE
 CANNONBURG, PA 15317
APPLICANT: T-MOBILE NORTHEAST, LLC.
 15 COMMERCE WAY, SUITE B
 NORTON, MASSACHUSETTS 02766
APPLICANT PHONE: (508) 286-2700
APPLICANT FAX: (508) 286-2893



T - Mobile NORTHEAST LLC

SITE NAME: NEWTON DINGLEBROOK
SITE ID: CTFF013A
ADDRESS: 24 DINGLEBROOK LANE
 NEWTOWN, CT 06470
MODIFICATION: HARDENING



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF T-MOBILE. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSE OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE T-MOBILE REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SCOPE OF WORK

1. INSTALL ONE NEW GENERATOR
2. INSTALL ONE NEW ATS

DRAWING INDEX

NO.	DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES, RF NOTES, CABLING NOTES
A-1	COMPOUND PLAN
A-2	EQUIPMENT LAYOUT
A-3	GENERATOR DETAILS
A-4	ATS SPEC SHEET
E-1	ELECTRIC PLAN & DETAILS
G-1	GROUNDING PLAN & DETAILS

DRAWING SCALE NOTES:

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 22"x34". CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

T - Mobile NORTHEAST LLC

T-MOBILE NORTHEAST, LLC.
 15 COMMERCE WAY, SUITE B
 NORTON, MA 02766
 PHONE: (508) 286-2700
 FAX: (508) 286-2893

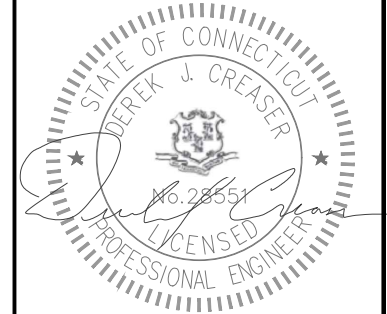


750 W CENTER ST, SUITE 301
 WEST BRIDGEWATER, MA 02379
 PHONE: 781.713.4725

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/29/23	CONSTRUCTION FINAL	AB
A	08/29/23	ISSUED FOR REVIEW	AB

DESIGNED BY: AB	APPROVED BY: WRD
--------------------	---------------------



DATE: 08/29/2023

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, UNLESS EXPLICITLY AGREED TO BY THE ENGINEER IN WRITING. THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE REUSE, ALTERATION OR MODIFICATION OF THE CONTENTS HEREIN.

SITE NAME:
NEWTON DINGLEBROOK

SITE ID:
CTFF013A

SITE ADDRESS:
24 DINGLEBROOK LANE
NEWTOWN, CT 06470
FAIRFIELD COUNTY

SHEET TITLE:
TITLE SHEET

DRAWING:
T-1



Know what's below.
Call before you dig.

RF NOTES

- ACTUAL LENGTHS SHALL BE DETERMINED PER SITE CONDITION BY SUBCONTRACTOR
- THE DESIGN IS BASED ON RF DATA SHEETS, SIGNED AND APPROVED.
- RADIO SIGNAL CABLE AND RACEWAY SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC, NFPA 70), CHAPTER 8.
- ALL SPECIFIED MATERIAL FOR EACH LOCATION (E.G. OUT DOORS-OCCUPIED, INDOORS-UNOCCUPIED, PLENUMS, RISER SHAFTS, ETC.) SHALL BE APPROVED, LISTED, OR LABELED AS REQUIRED BY THE NEC.
- RADIO SIGNAL CABLE SHALL BE SUPPORTED AT MINIMUM OF EVERY THREE (3) FEET EXCEPT INSIDE MONOPOLES OR MONOPOLES WHERE CABLE AND CONNECTOR MANUFACTURERS SUPPORT RECOMMENDATIONS SHALL BE FOLLOWED. MANUFACTURER RECOMMENDATION CABLES SUPPORT ACCESSORIES SHALL BE USED.
- THE OUTDOOR CABLE SUPPORT SYSTEM SHALL BE PROVIDED WITH AN ICE SHIELD TO SUPPORT AND PROTECT ANTENNA CABLE RUNS.
- DRIP LOOPS SHALL BE REQUIRED ON ALL OUTSIDE CABLES. CABLES SHALL BE SLOPED AWAY FROM BUILDING OR OUTDOOR BTS CABINETS TO PREVENT WATER FROM ENTERING THROUGH THE COAXIAL CABLE PORT.
- ALL FEEDER LINE AND JUMPER CONNECTORS SHALL BE 7/16 DIN CABLE CONNECTORS THAT MEET IP68 STANDARDS.
- 7/16 DIN CONNECTORS REQUIRE NO ADDITIONAL WEATHER PROOFING IN INDOOR APPLICATIONS IF INSTALLED AND TORQUED PROPERLY. IN OUTDOOR APPLICATIONS WEATHER PROOFING IS REQUIRED AND THE FOLLOWING PROCEDURE SHOULD BE FOLLOWED.
- USING WEATHERPROOFING KIT APPROVED BY CABLE MANUFACTURER AND CONTRACTOR START TAPE APPROXIMATELY 5 INCHES FROM THE CONNECTOR, AND WRAP 2 INCHES TOWARD THE CONNECTOR, THEN REVERSE THE TAPE SO THAT THE STICKY SIDE IS UP. TAPE OVER THE CONNECTOR OR SURGE ARRESTOR UNTIL THREE (3) TO FOUR (4) INCHES BEYOND THE CONNECTOR AND REVERSE AGAIN WITH THE STICKY SIDE DOWN FOR ANOTHER INCH OR TWO. PASS THE BUTYL RUBBER AND FINISH WITH A FINAL LAYER OF TAPE.
- ANTENNAS SHALL BE PAINTED, WHEN REQUIRED, BY THE LANDLORD OR AUTHORITY OF HAVING JURISDICTION IN ACCORDANCE WITH ANTENNA MANUFACTURERS' SURFACES PREPARATION AND PAINTING REQUIREMENTS.
- CABLE SHIELDS AND TOWER CONDUITS SHALL BE GROUNDED AT THE TOP OF THE TOWER WITHIN 10 FEET OF THEIR CONNECTORS, AND AT THE BOTTOM OF THE TOWER ABOUT 6 INCHES BEFORE THEY TURN TOWARD THE FACILITY. THEY SHALL BE GROUNDED AT THE MIDPOINT OF THE TOWERS THAT ARE BETWEEN 60 FEET AND 200 FEET HIGH, AND AT INTERVALS OF 60 FEET OR LESS ON TOWERS THAT ARE HIGHER THAN 200 FEET.

ANTENNA CABLE & SCHEDULING NOTES

- SUBCONTRACTOR SHALL VERIFY THE ACTUAL LENGTH IN THE FIELD BEFORE INSTALLATION.
- TAG AND COLOR CODE ALL MAIN CABLES AT LOCATIONS PER T-MOBILE ANTENNA CABLE MARKING STANDARD:
 - TOP OF TOWER END OF MAIN COAX
 - BOTTOM OF TOWER END OF MAIN COAX
 - DIRECTLY BEFORE AND AFTER RF EQUIPMENT
 - END OF JUMPERS AT BTS EQUIPMENT
- ANTENNAS SHALL BE PROCURED AND INSTALLED WITH DOWN TILT MOUNTING BRACKETS SUPPLIED BY ANTENNA MANUFACTURER.
- PRIOR APPROVAL IS REQUIRED BEFORE PERFORMING ANY WORK ON EXISTING CELL SITE EQUIPMENT.

GENERAL NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - CENTERLINE COMMUNICATIONS
SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
OWNER - T-MOBILE MOBILITY
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

- ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
- CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF T-MOBILE MOBILITY SITES."
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: IBC 2015 & CONNECTICUT STATE BUILDING CODE 2018
ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE
LIGHTNING CODE: NFPA 780-2017
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

MANUAL OF STEEL CONSTRUCTION, ASD, FIFTEENTH EDITION;

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL

ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

T - Mobile
NORTHEAST LLC

T-MOBILE NORTHEAST, LLC.
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
PHONE: (508) 286-2700
FAX: (508) 286-2893

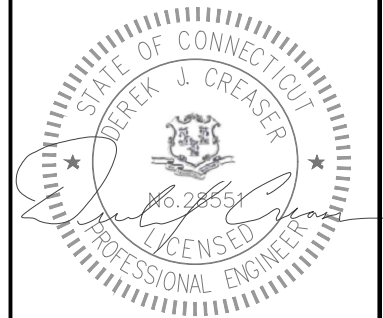


750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/29/23	CONSTRUCTION FINAL	AB
A	08/29/23	ISSUED FOR REVIEW	AB

DESIGNED BY: AB	APPROVED BY: WRD
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DATE: 08/29/2023

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ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	G.C.	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
AWG	AMERICAN WIRE GAUGE	MGB	MASTER GROUND BUS		
BCW	BARE COPPER WIRE	MIN	MINIMUM	TBD	TO BE DETERMINED
BTS	BASE TRANSCEIVER STATION	PROPOSED	NEW	TBR	TO BE REMOVED
EXISTING	EXISTING	N.T.S.	NOT TO SCALE	TBRR	TO BE REMOVED AND REPLACED
EG	EQUIPMENT GROUND	REF	REFERENCE	TYP	TYPICAL
EGR	EQUIPMENT GROUND RING	REQ	REQUIRED		

SITE NAME:	NEWTON DINGLEBROOK
SITE ID:	CTFF013A
SITE ADDRESS:	24 DINGLEBROOK LANE NEWTOWN, CT 06470 FAIRFIELD COUNTY

SHEET TITLE:
**GENERAL NOTES, RF NOTES,
CABLING NOTES**

DRAWING:
GN-1

T-Mobile NORTHEAST LLC

T-MOBILE NORTHEAST, LLC.
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
PHONE: (508) 286-2700
FAX: (508) 286-2893

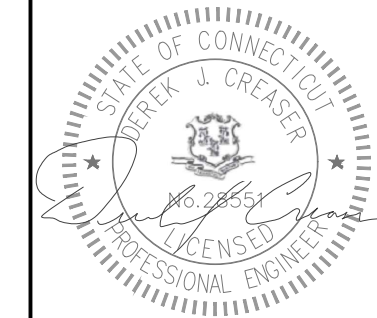


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SITE ID:

CTFF013A

SITE ADDRESS:

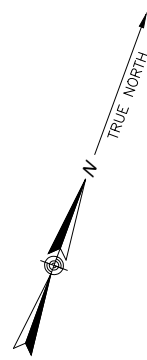
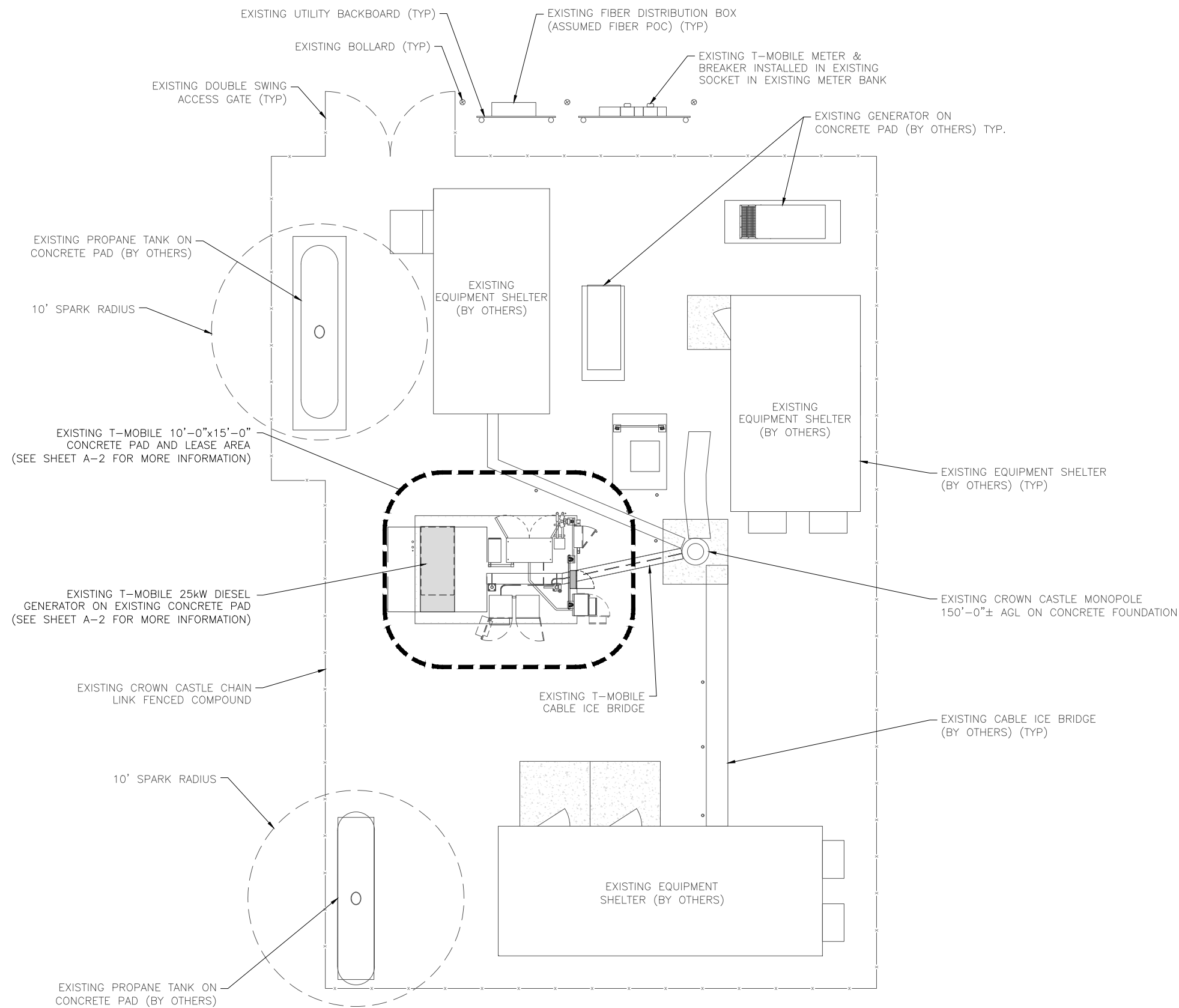
24 DINGLEBROOK LANE
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FAIRFIELD COUNTY

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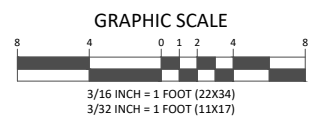
COMPOUND PLAN

DRAWING:

A-1



1 A-1 COMPOUND PLAN



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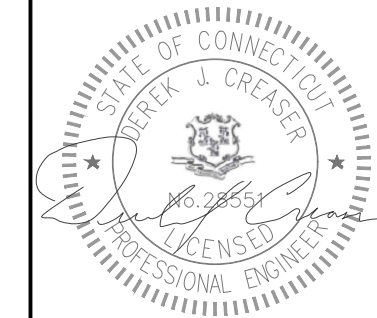


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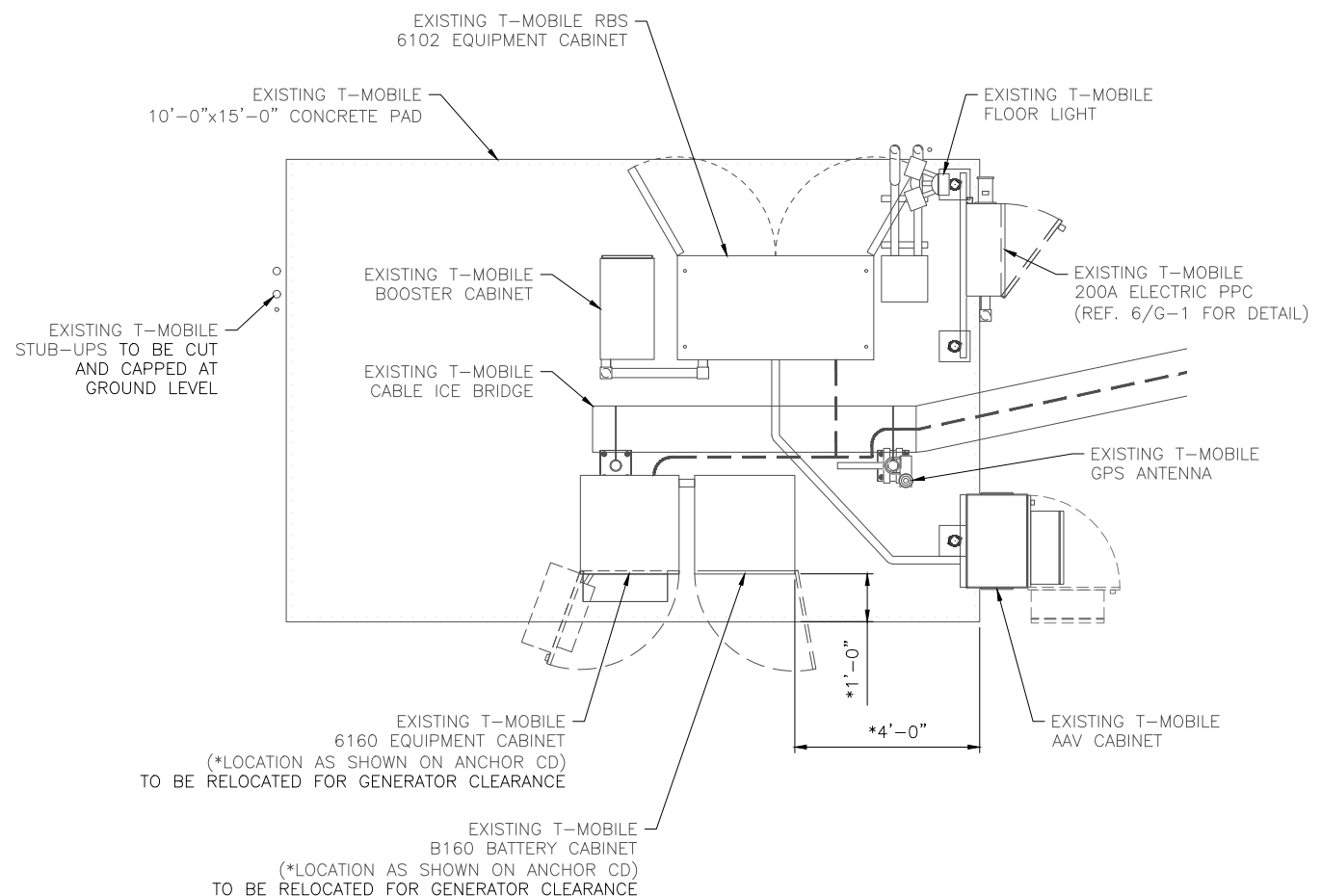
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SITE ID:
CTFF013A

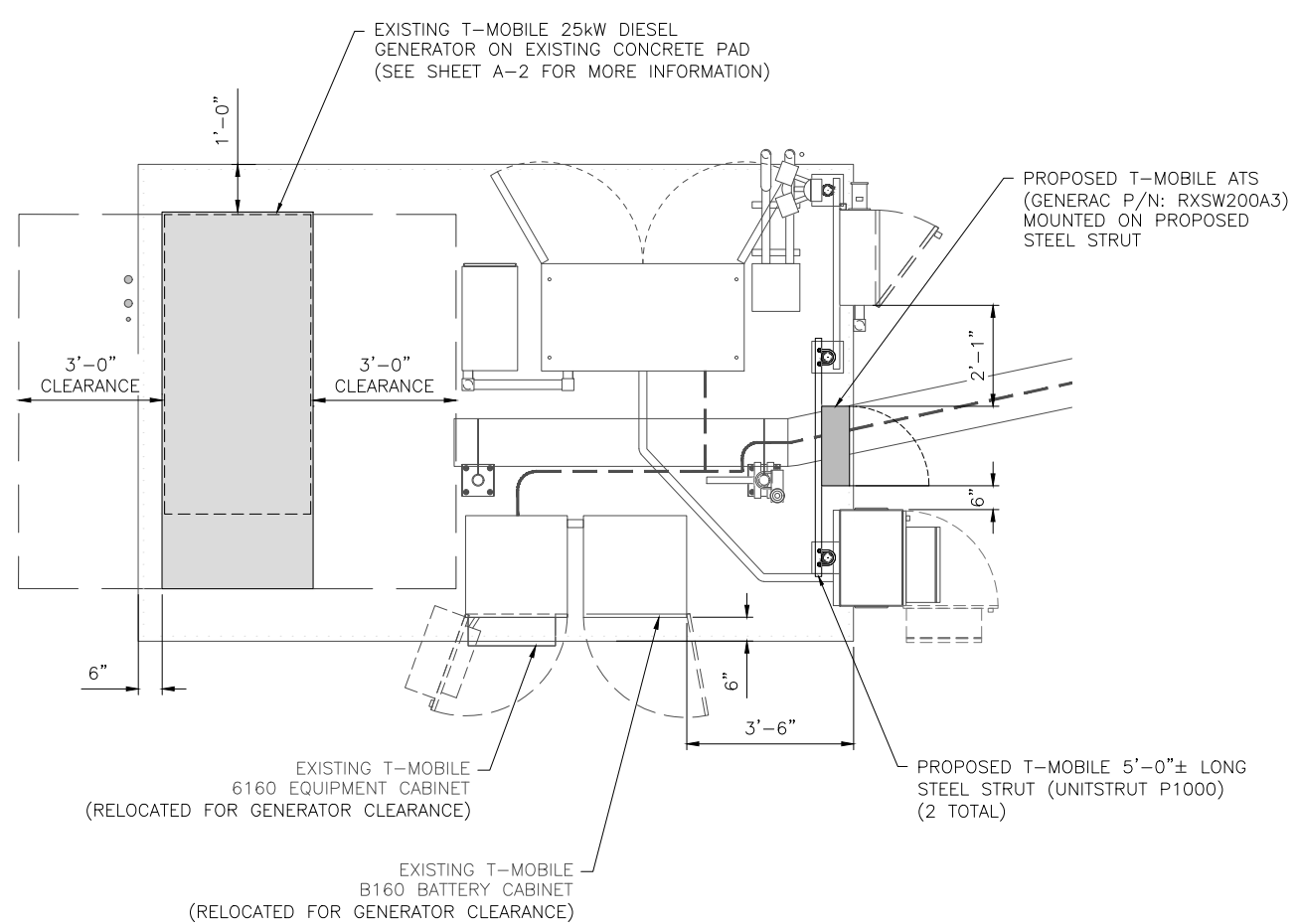
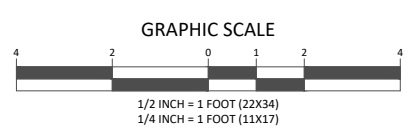
SITE ADDRESS:
**24 DINGLEBROOK LANE
NEWTOWN, CT 06470
FAIRFIELD COUNTY**

SHEET TITLE:
EQUIPMENT LAYOUT

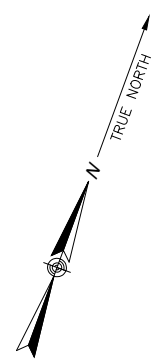
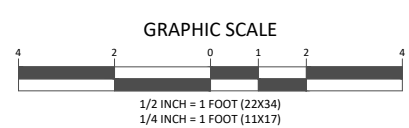
DRAWING:
A-2



1
A-2
EXISTING EQUIPMENT PLAN



2
A-2
PROPOSED EQUIPMENT PLAN



RD048 | 3.4L | 48kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General		Cooling System	
Make	Generac	Cooling System Type	Pressurized Closed Recovery
Cylinder #	4	Fan Type	Pusher
Type	In-Line	Fan Speed (rpm)	2,029
Displacement - i(fl)	207.48 (3.4)	Fan Diameter - mm (in)	22 (559)
Bore - in (mm)	3.86 (98)		
Stroke - in (mm)	4.45 (113)	Fuel System	
Compression Ratio	18.5:1	Fuel Type	Ultra Low Sulfur Diesel Fuel
Intake Air Method	Turbocharged/Aftercooled	Fuel Specification	ASTM
Cylinder Head	Cast Iron OHV	Fuel Pump Type	Mechanical Engine Driven Gear
Piston Type	Aluminum	Injector Type	Mechanical
		Fuel Supply Line (mm/in)	7.94 (0.31) ID
		Fuel Return Line (mm/in)	7.94 (0.31) ID
		Fuel Filtering (microns)	10
Engine Governing		Engine Electrical System	
Governor	Electronic	System Voltage	12 VDC
Frequency Regulation (Steady State)	±0.25%	Battery Charger Alternator	Standard
		Battery Size	Group 27F
		Battery Voltage	12 VDC
		Ground Polarity	Negative
Lubrication System			
Oil Pump Type	Gear		
Oil Filter Type	Full Flow Spin-On Canister		
Crankcase Capacity - L (qts)	7.0 (7.4)		

ALTERNATOR SPECIFICATIONS

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

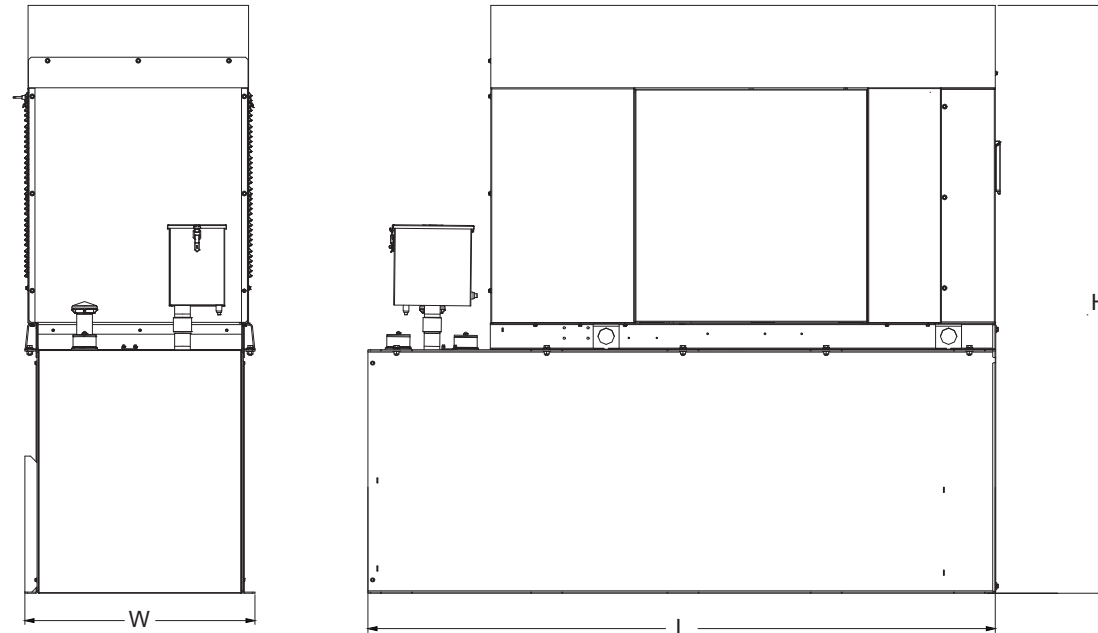
RD048 | 3.4L | 48kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



DIMENSIONS AND WEIGHTS*



Weights and Dimensions

Unit Weight - lbs	Unit Weight with Skid - lbs	Dimensions (L x W x H) - in
2,915	2,954	103.4 (2,625) x 35.0 (888) x 90.0 (2,286)

48kW Fuel Consumption

Fuel Tank Gross Total Capacity	240
Fuel Tank Gross Usable Capacity	229
Fuel Tank Net Usable Capacity (Run Hours Based on Net Usable Capacity)	206
Run Hours 100% Load	52
Run Hours 75% Load	67
Run Hours 50% Load	96

* All measurements are approximate and for estimation purposes only.

Sound Emission Data

Rated Load Sound Output at 23ft - dB(A)5

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

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

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Part No 1000032700
Rev. 3 08/30/18

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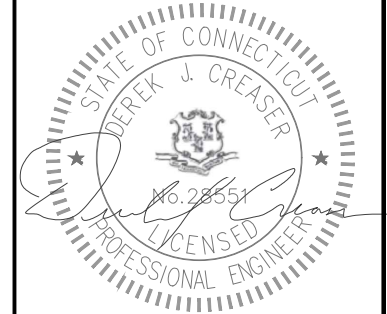


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PHONE: 781.713.4725

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SITE NAME: NEWTON DINGLEBROOK
SITE ID: CTFF013A
SITE ADDRESS: 24 DINGLEBROOK LANE NEWTOWN, CT 06470 FAIRFIELD COUNTY

SHEET TITLE: GENERATOR DETAILS

DRAWING: A-3

SPEC SHEET

3 OF 6

SPEC SHEET

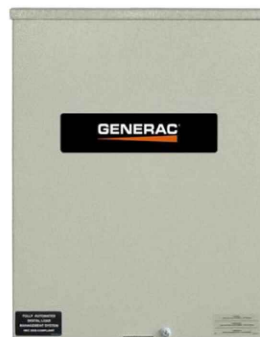
5 OF 6

Automatic Transfer Switches

GENERAC®

Service and non-Service rated Automatic Smart Transfer Switches

100 - 400 Amps, Single Phase



*CUL only applies to non-service rated switches

Automatic Transfer Switches

Automatic Transfer Switches

1 of 2 2 of 2

GENERAC®

100-400 Amps, Single Phase

Automatic Smart Transfer Switches

Functions

All timing and sensing functions originate in the generator controller

Utility voltage drop-out.....	<65%
Timer to generator start	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
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
Exerciser5 or 12 minutes adjustable weekly/Bi-weekly/Monthly**

The transfer switch can be operated manually without power applied.

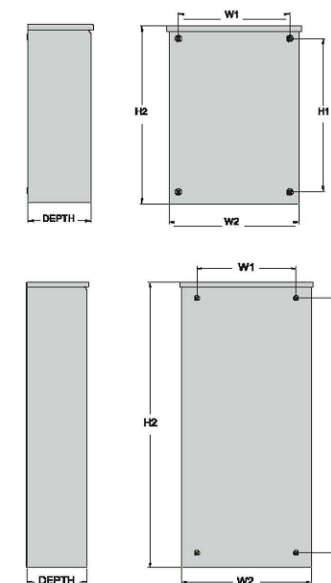
*When used in conjunction with units utilizing Evolution™ controls **Adjustable via the controller

Specifications

Model	RXSC100A3	RXSC200A3
Amps	100	200
Voltage	120/240, 1Ø	120/240, 1Ø
Load Transition Type (Automatic)	Open Transition	Open Transition
Enclosure Type	NEMA/UL3R	NEMA/UL3R
UL Rating	UL/CUL	UL/CUL
Withstand Rating (Amps)	10,000	10,000
Lug Range	1/0 - #14	250 MCM - #6

Dimensions

Model	RXSC100A3	RXSC200A3
Height (in./mm)	H1	17.24/437.9
	H2	20/508
Width (in./mm)	W1	12.5/317.5
	W2	14.6/370.8
Depth (in./mm)		7.09/180.1
Weight (lbs./kilos)		20/9.07



Description

Generac Automatic Transfer Switches are designed for use with single phase generators that utilize an Evolution™ or Nexus™ Controller. The 100, 200, and 400 amp open transition switches are available in single phase in both service equipment rated and non-service equipment rated configurations. The 150 and 300 amp open transition switches are only available in a service rated equipment configuration.

Standard Features

Service rated (RXSW) Generac Automatic Transfer Switches are housed in an aluminum NEMA/UL Type 3R enclosure*, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is a UL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. All switches are covered by a 5 year limited warranty.

*Non-service rated (RXSC) switches are housed in a steel enclosure.

DPM Technology

Through the use of digital power technology (DPM), these switches have the capability to manage up to 4 individual HVAC (24 VAC controlled) loads with no additional hardware. When used in tandem with Smart Management Modules, up to 8 more loads can be managed as well, providing the most installation efficient power management options available.



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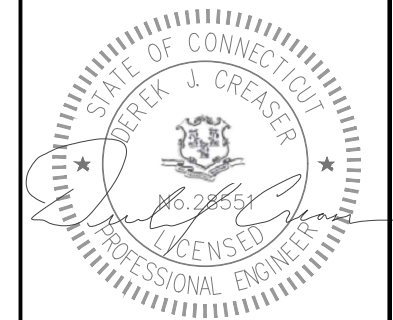


750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

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SITE NAME: NEWTON DINGLEBROOK
SITE ID: CTFF013A
SITE ADDRESS: 24 DINGLEBROOK LANE NEWTOWN, CT 06470 FAIRFIELD COUNTY

SHEET TITLE: ATS SPEC SHEET

DRAWING: A-4

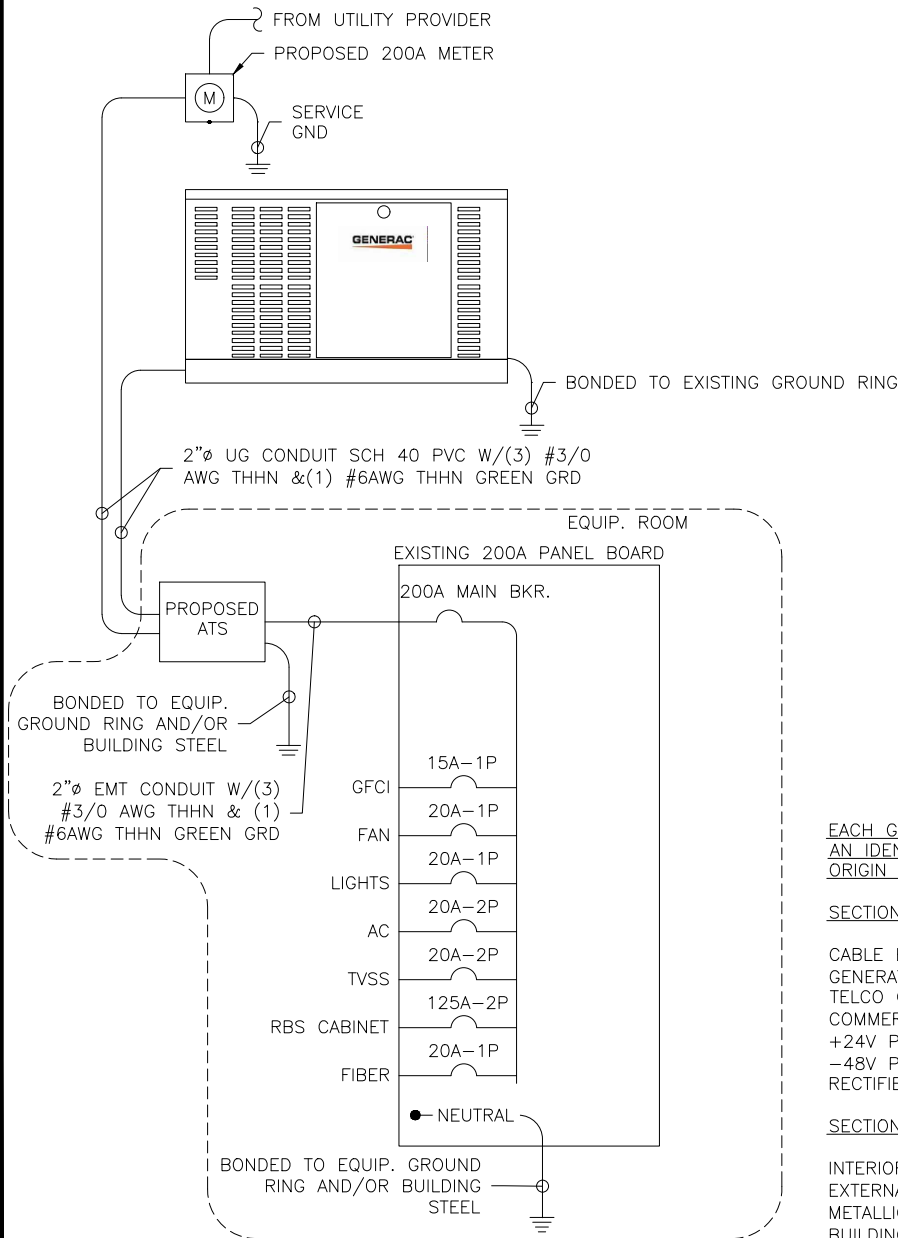
ELECTRICAL NOTES

- SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO

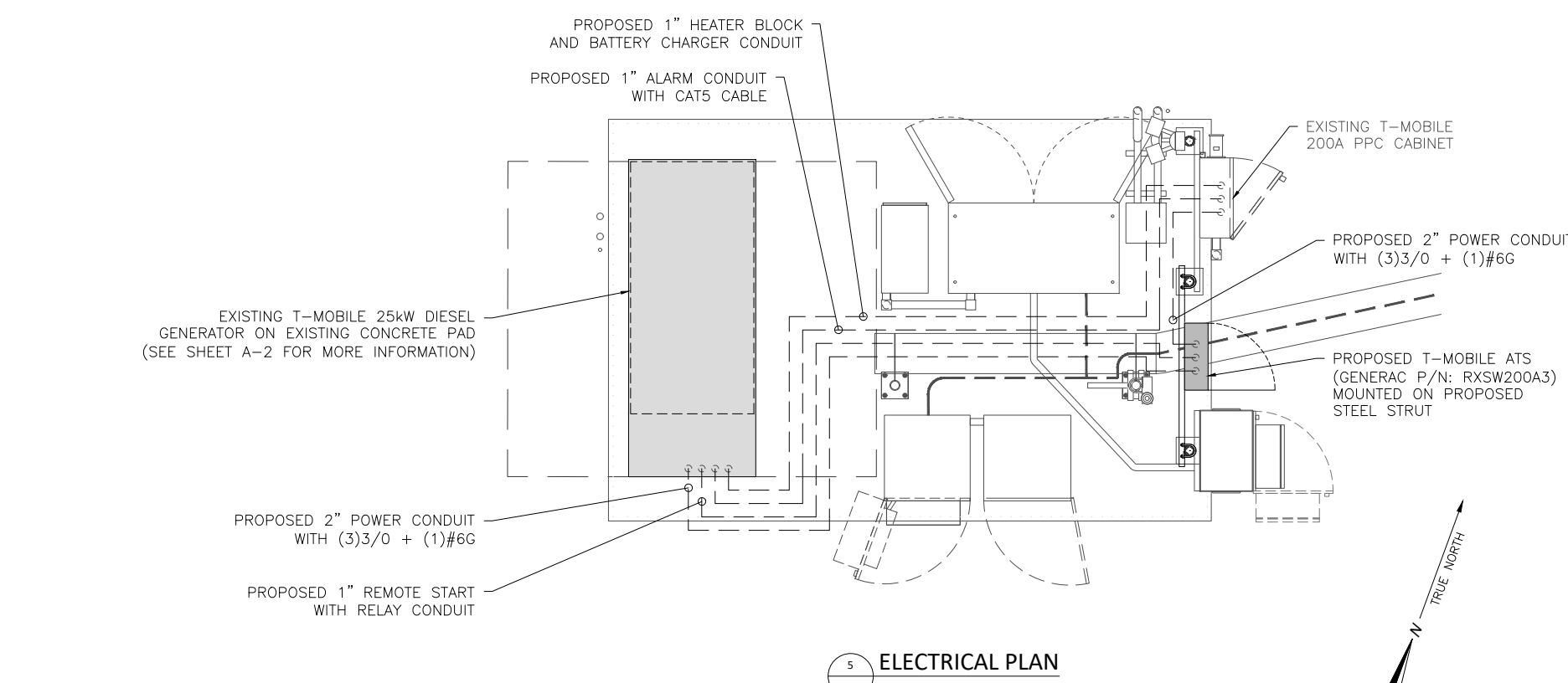
- SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
 - ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
 - PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
 - DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
 - ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C).
 - ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH

- THEY MAY BE SUBJECTED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.
 - CONDUIT:
 - RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
 - CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.

- PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
- CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.
- COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
- VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK. MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.
- RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.



1 ONE LINE DIAGRAM
E-1

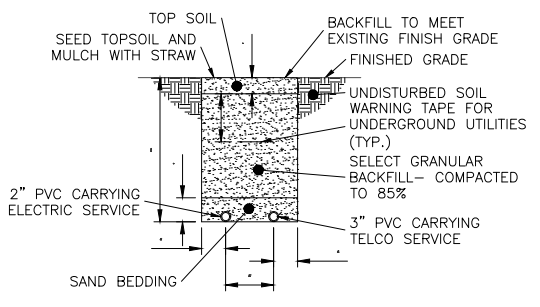


5 ELECTRICAL PLAN
E-1

EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

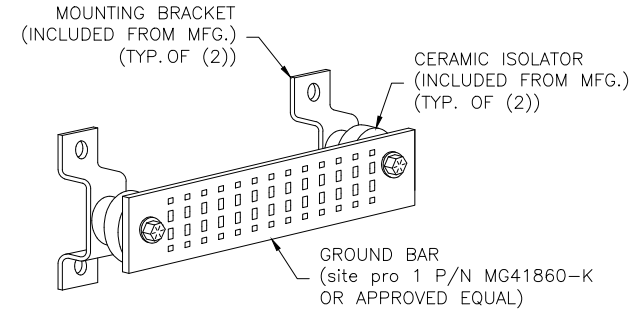
- SECTION "P" - SURGE PRODUCERS
- CABLE ENTRY PORTS (HATCH PLATES) (#2)
 - GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
 - TELCO GROUND BAR
 - COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
 - +24V POWER SUPPLY RETURN BAR (#2)
 - 48V POWER SUPPLY RETURN BAR (#2)
 - RECTIFIER FRAMES.
- SECTION "A" - SURGE ABSORBERS
- INTERIOR GROUND RING (#2)
 - EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
 - METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
 - BUILDING STEEL (IF AVAILABLE) (#2)

3 GROUND WIRE SCHEDULE
E-1



NOTE: EXCAVATE EXISTING SUBGRADE AS REQUIRED TO INSTALL CONDUITS IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.

3 TYPICAL TRENCH DETAIL
E-1



2 GROUND BAR DETAIL
E-1

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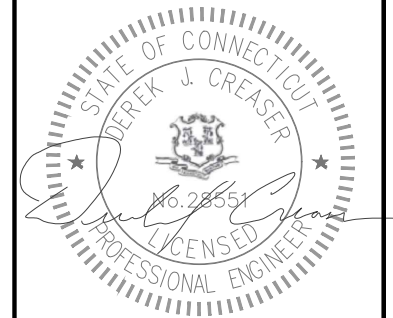
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SITE ID:	CTFF013A
SITE ADDRESS:	24 DINGLEBROOK LANE NEWTOWN, CT 06470 FAIRFIELD COUNTY
SHEET TITLE:	ELECTRICAL PLAN & DETAILS
DRAWING:	E-1

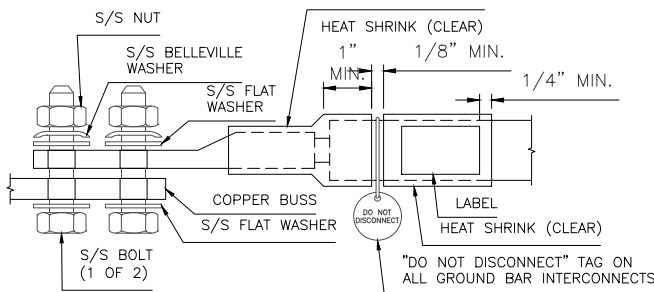
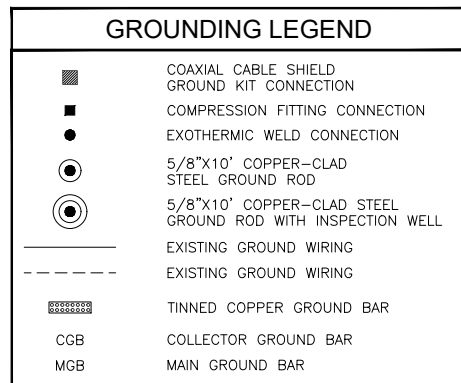
GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 TINNED SOLID COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.

- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"x10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 TINNED SOLID COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45°.
- EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-AT.

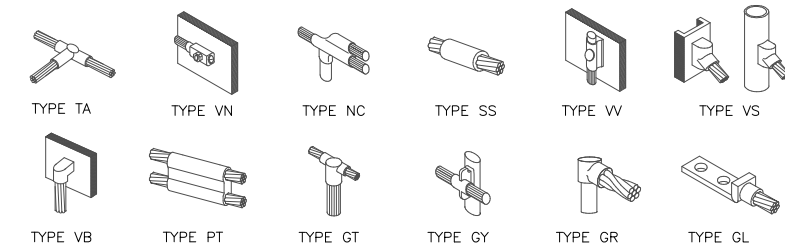
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE CONSTRUCTION MANAGER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 TINNED SOLID COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A T-MOBILE REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.

- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1' BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.

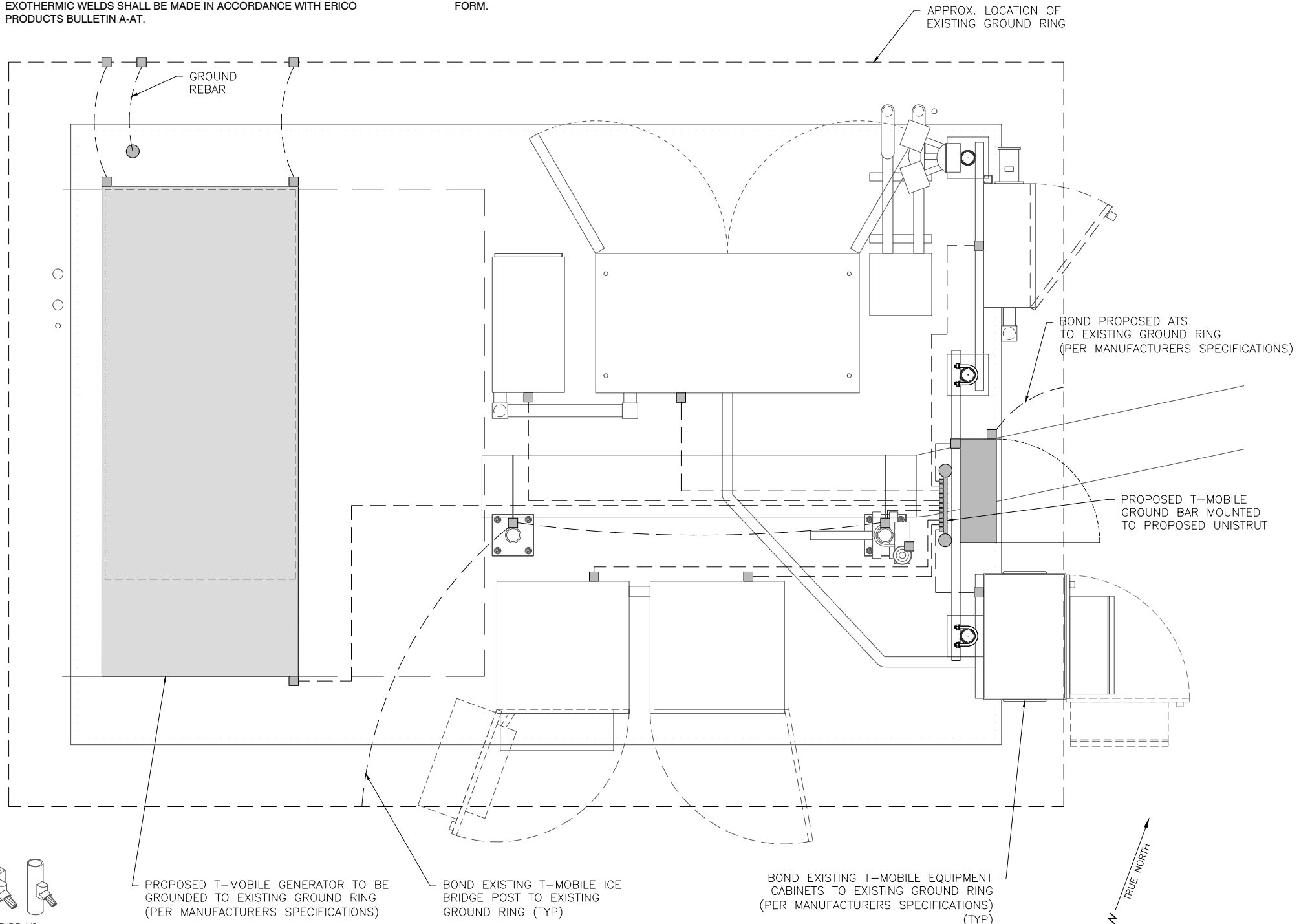


- NOTES:
- ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND BEFORE MATING.
 - FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND.
 - COAT ALL BARRELS WITH ANTI-OXIDATION COMPOUND BEFORE CRIMPING.

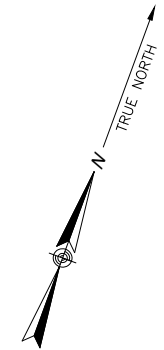
1 GENERAL LUG DETAIL



2 GROUNDING CONNECTION DETAILS



3 GROUNDING PLAN



T-Mobile NORTHEAST LLC

T-MOBILE NORTHEAST, LLC.
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
PHONE: (508) 286-2700
FAX: (508) 286-2893

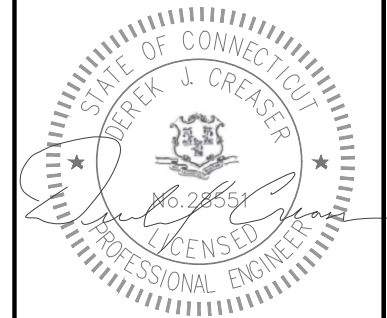


750 W CENTER ST, SUITE 301
WEST BRIDGEWATER, MA 02379
PHONE: 781.713.4725

REVISIONS

REV	DATE	DESCRIPTION	BY
0	08/29/23	CONSTRUCTION FINAL	AB
A	08/29/23	ISSUED FOR REVIEW	AB

DESIGNED BY: AB	APPROVED BY: WRD
--------------------	---------------------



DATE: 08/29/2023

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SITE NAME: NEWTON DINGLEBROOK
SITE ID: CTFF013A
SITE ADDRESS: 24 DINGLEBROOK LANE NEWTOWN, CT 06470 FAIRFIELD COUNTY

SHEET TITLE: GROUNDING PLAN & DETAILS

DRAWING: G-1



EXHIBIT D

Mailing Receipts/Proof of Notice

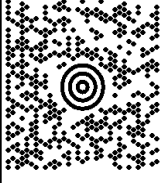


C/O CULLEN MORGAN
(941) 549-7263
CENTERLINE COMMUNICATIONS, LLC
12579 SAGEWOOD DRIVE
VENICE FL 34293

3 LBS

1 OF 1

SHIP TO:
ATTN: FIRST SELECTMAN
TOWN OF NEWTOWN
3 PRIMROSE STREET
NEWTOWN CT 06470-5307

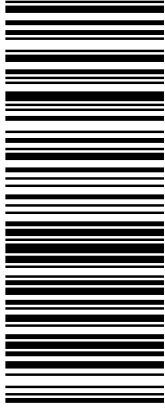


CT 068 0-02



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 2474 9643



BILLING: P/P

Reference # 1: CTFF013A

CS 23.7.00. .MACNVS0 41.0A.10/2023*



TM

Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030324749643
Date: Monday, October 16, 2023 at 10:06:17 AM Eastern Daylight Time
From: UPS <pkginfo@ups.com>
To: Cullen Morgan <cmorgan@clinellc.com>



Hello, your package has been delivered.

Delivery Date: Monday, 10/16/2023

Delivery Time: 10:01 AM

Signed by: SUE

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030324749643
Ship To:	TOWN OF NEWTOWN 3 PRIMROSE STREET NEWTOWN, CT 064705307 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	2.5 LBS
Reference Number:	CTFF013A

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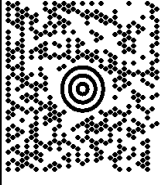
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CENTERLINE COMMUNICATIONS, LLC
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ATTN: CHIEF BUILDING OFFICIAL
TOWN OF NEWTOWN
3 PRIMROSE STREET
NEWTOWN CT 06470-5307

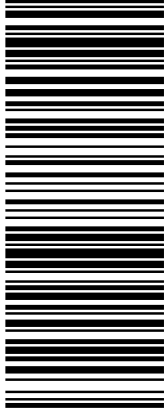


CT 068 0-02



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 3930 1259



BILLING: P/P



TM

CS 23-7.00. .MACNVS0 41.0A.10/2023*

Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030339301259
Date: Monday, October 16, 2023 at 10:00:53 AM Eastern Daylight Time
From: UPS <pkginfo@ups.com>
To: Cullen Morgan <cmorgan@clinellc.com>



Hello, your package has been delivered.

Delivery Date: Monday, 10/16/2023

Delivery Time: 9:59 AM

Signed by: SUE

CENTERLINE SITE ACQUISITION

Tracking Number:	<u>1Z9Y45030339301259</u>
Ship To:	TOWN OF NEWTOWN 3 PRIMROSE STREET NEWTOWN, CT 064705307 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	2.5 LBS

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12579 SAGEWOOD DRIVE
VENICE FL 34293

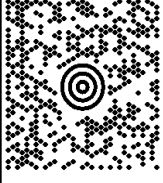
3 LBS

1 OF 1

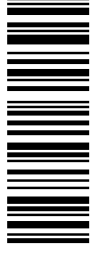
SHIP TO:

GENESIS TT LLC
C/O TARPON TOWERS II LLC
UNIT 103
8916 77TH TERRACE E

LAKewood RANCH FL 34202-6415

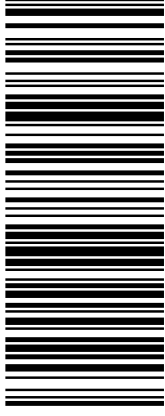


FL 335 0-02



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 3094 5866



BILLING: P/P



TM

CS 23-7.00. .MACNVS0 41.0A.10/2023*

Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030330945866
Date: Thursday, October 12, 2023 at 11:37:24 AM Eastern Daylight Time
From: UPS <pkginfo@ups.com>
To: Cullen Morgan <cmorgan@clinellc.com>



Hello, your package has been delivered.

Delivery Date: Thursday, 10/12/2023

Delivery Time: 11:36 AM

Signed by: BRETT

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030330945866
Ship To:	GENESIS TT LLC 8916 77TH TERRACE E UNIT 103 C/O TARPON TOWERS II LLC LAKEWOOD RANCH, FL 342026415 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	2.5 LBS

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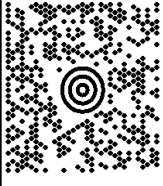
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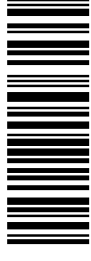
3 LBS

1 OF 1

SHIP TO:
7244162000
CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG PA 15317-8564



PA 153 0-10



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 2058 3472



BILLING: P/P



TM

CS 23.7.00. MACNV50 41.0A 10/2023*

Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030320583472
Date: Friday, October 13, 2023 at 10:23:28 AM Eastern Daylight Time
From: UPS <pkginfo@ups.com>
To: Cullen Morgan <cmorgan@clinellc.com>



Hello, your package has been delivered.

Delivery Date: Friday, 10/13/2023

Delivery Time: 10:21 AM

Left At: FRONT DESK

Signed by: CHUCK

CENTERLINE SITE ACQUISITION

Tracking Number:	<u>1Z9Y45030320583472</u>
Ship To:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 153178564 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	2.5 LBS

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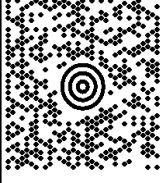
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VENICE FL 34293

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1 OF 1

SHIP TO:
CONNECTICUT SITTING COUNCIL
10 FRANKLIN SQUARE
NEW BRITAIN CT 06051-2655

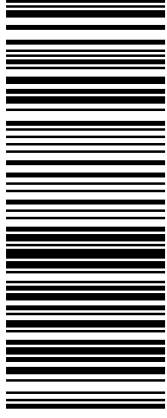


CT 067 9-06



UPS GROUND

TRACKING #: 1Z 9Y4 503 03 1165 1656



BILLING: P/P

Reference # 1: CTFF013A

CS 23.7.00. MACNV50.42.OA 10/2023*



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