

G. Scott Shepherd, Sr. Property Specialist - SBA Communications 134 Flanders Rd., Suite 125, Westborough, MA 01581 508.251.0720 x 3807 - GShepherd@sbasite.com

March 11, 2022

Melanie A. Bachman Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

RE: Notice of Exempt Modification 39 Rich Road, North Grosvenordale (Thompson) CT 06255 Latitude: 42 0 41.58 Longitude: -71 51 6.87 T-Mobile Site #: CTNL191D_ Hardening

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 148-foot level of the existing 149-foot Monopole Tower at 39 Rich Rd, North Grosvenordale, CT. The 149-foot tower is owned by SBA Infrastructure, LLC. The property is owned by the Town of Thompson. T-Mobile now intends to add one (1) Generac RD048 Diesel generator and proposed 4' x 10' concrete pad, within a 90' x 46' fenced compound lease area. The proposed generator and concrete pad will sit fully within the leased area of the compound and will not require additional space for the supplementary tank.

Ground

Install New:

- (1) Generac RD048 48kw Diesel generator
- (1) 2" RGS conduit for Ethernet cable for generator controls & Alarms
- (1) 2" RGS conduit for emergency power from proposed generator to proposed ATS
- (1) 1-1/2" RGS conduit for generator heater & Battery charger
- (1) 4' x 10' concrete pad



- (1) 2" RGS conduit for emergency power from proposed ATS to Existing PPC
- Generac 200A, 120/240v automatic transfer switch to proposed H-Frame

Remaining:

- T-Mobile GPS Antenna mounted to existing Ice bridge
- Cables routed along Ice Bridge
- T-Mobile PTS 8003 190AH Battery
- T-Mobile Nextend Compact 2416 Fiber cabinet
- Existing T-Mobile conduit
- Existing S8000 Cabinet
- Ericsson RBS 6131 Equip. Cabinet

Reason for Request / Change in Generator Size and Fuel

In an effort to further enhance network reliability, T-Mobile is proposing to install a diesel-based backup generator, the Generac RD048 48kw Diesel Generator. T-Mobile is currently in the middle of a National Hardening Project.

The proposed diesel generator measures 103.4" x 35" x 90" including tank. It will sit fully within the leased area of the compound and will not require additional space for the supplementary tank.

Generac's RD048 48kw Diesel Generator carries up to 52 hours of run time with 100% load, 67 hours of run time with a 75% load and 96 hours of run time with a 50% load. It can operate in temperatures of 122 degrees Fahrenheit.

Monitoring, Prevention and Containment Measures

It will be filled by a licensed fuel filling company. The Generac's RD048 48kw Diesel Generator is fuel efficient, rodent and corrosion resistant, and has a sound attenuated aluminum enclosure with a Rated Load Sound Output at 23ft. of -65dB. It further supports advanced, remote monitoring for diagnostics and control and is installed with a tank alarm system. The Sound Output from the Generac RD048kw meets/exceeds the allowable noise emissions levels for the Town of Prospect, CT, which is as follows:

Maximum Continuous Noise Levels (measured in dBA):



Receptor Noise Zone Class

Section 1 Repeal

The prior Noise Ordinance of the Town of Windham, establishing a 60 foot noise distance, is hereby repealed and replaced in its entirety by this ordinance.

Section 2 Title

This ordinance shall be known as the Noise Control Ordinance of the Town of Windham.

Section 3 Purpose

It is found that excessive sound and vibrations are harmful to the quality of life, and the health, safety and welfare, of persons living, residing and visiting the Town, in that excessive sound and vibration adversely affect sleep habits, attentiveness to duty, work, study and personal affairs, adversely affect commerce, businesses, and pedestrians, and adversely affect the use and enjoyment of public areas such as streets and sidewalks, parks and other recreational lands and areas of the Town; and

It is found that persons residing within the Town of Windham should enjoy an environment free from excessive sound and vibrations; and

It is found that a substantial body of science and technology exists by which excessive noise may be substantially abated; and

It is found that excessive noise must be controlled by ordinance to protect, preserve and promote the public health, safety and welfare.

The proposed modification will remain within the existing 90' x 46' fenced compound. The new generator and tank will be surrounded by the existing security fence and double swing gate and will be placed on a plinth secured to a proposed 4' x 10' concrete pad.

Additional safety specifications:

- Automatic Voltage Regulation with Over and Under Protection
- Overspeed Shutdown
- High Tempature Shutdown
- Meets ANSI/IEEE C62.41, SA CSA 22.2, SAE J1349, NFPA 37, 70 99



Revised Construction Drawings and Full Spec Sheets referencing the above are attached herewith.

The revised ground configuration continues to meet all requirements for a Notice of Exempt Modifications. The request remains technically, legally, environmentally, and economically feasible and meets public safety concerns per Connecticut General Statute Section 16-50aa.

There is no environmental impact associated with the revised ground configuration, including, but not limited to, visibility, wetlands and water resources, air quality or noise.

T-Mobile's revised ground configuration:

- Will not have any significant adverse visual impact on the surrounding areas
- Does not affect or alter the existing site with regard to wetlands, water resources or air quality
- The generator would only be used in cases of emergency and would provide backup time of approximately 60 hours in time of need.

The proposed work is not thought to have any substantial adverse environmental impact. Public Need for the additional coverage outweighs any minor environmental effects that would result from the construction, operation, and maintenance of the proposed collocation.

A Map of the Site Showing Nearest Wetlands, depicted in feet, is attached herewith.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16.50j-72(b)(2). In accordance with R.C.S.A. § 16.50j-73, a copy of this letter is being sent to the Town of Thompson's First Selectman, Ken Beausoleil, and Zoning Enforcement Officer, Cynthia Dunne. (Separate notice is not being sent to tower owner, as it belongs to SBA.)

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 modification 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 modification 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 telecommunication facility constitute an exempt modifications under R.C.S.A. § 16-50j-72(b)(2).



Sincerely,

G. Scott Shepherd Sr. Property Specialist SBA COMMUNICATIONS CORPORATION 134 Flanders Rd., Suite 125 Westborough, MA 01581 508.251.0720 x3807 + T 508.366.2610 + F 508.868.6000 + C GShepherd@sbasite.com

Attachments

 cc: Ken Beausoleil, First Selectman / with attachments *Town of Thompson, 815 Riverside Drive, North Grosvenordale, CT 06255* Cynthia Dunne, Zoning Enforcement Officer / with attachments *Town of Thompson, 815 Riverside Drive, North Grosvenordale, CT 06255*

Exhibit List

Exhibit 1	Check Copy	x
Exhibit 2	FedEx Labels	x
Exhibit 3	Property Card	х
Exhibit 4	Property Map	x
Exhibit 5	Zoning Documents	CSC 1/10/08 Docket No. 344
Exhibit 6	Construction Drawings	Chappell 3/9/22
Exhibit 7	Generator Specifications	x
Exhibit 8	Wetlands Map	х

EXHIBIT 1

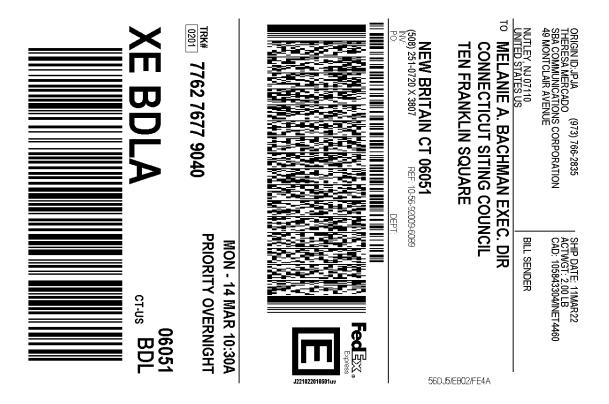
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Copy of Check for filing fee.

EXHIBIT 2

FedEx Labels



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EXHIBIT 3

Property Card

Location	38 RICH RD	Mblu	97/ 28/ 7/2 /
Acct#	005976	Owner	THOMPSON TOWN OF
Assessment	\$95,800	Appraisal	\$136,900
PID	105141	Building Count	1

Current Value

Appraisal							
Valuation Year	Improvements	Land	Total				
2015	\$136,900	\$0	\$136,900				
	Assessment						
Valuation Year	Improvements	Land	Total				
2015	\$95,800	\$0	\$95,800				

Owner of Record

Owner	THOMPSON TOWN OF	Sale Price	\$0
Co-Owner	C/O SBA INFRASTRUCTURE LLC	Certificate	
Address	TAX DEPT CT11559-A	Book & Page	0789/0277
	8051 CONGRESS AVE	Sale Date	09/19/2012
	BOCA RATON, FL 33487	Instrument	25

Ownership History

Ownership History						
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date	
THOMPSON TOWN OF	\$0		0789/0277	25	09/19/2012	
THOMPSON TOWN OF	\$0		0686/0268		11/29/2007	

Building Information

Building	1	: Section	1
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Good: Replacement Cost		
Good:		
Building Percent		
Replacement Cost:	\$0	
Living Area:	0	
Year Built:		

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:	
АС Туре:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	

Building Photo



(http://images.vgsi.com/photos/ThompsonCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos/ThompsonCTPhotos//Sketches/1

Building Sub-Areas (sq ft) Legend

No Data for Building Sub-Areas

Extra Features

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

Land

Land Use		Land Line Valua	tion
Use Code	3030	Size (Acres)	0
Description	COMM LAND	Frontage	
Zone		Depth	
Neighborhood	I	Assessed Value	\$0
Alt Land Appr	No	Appraised Value	\$0
Category			

Outbuildings

	Outbuildings				<u>Legend</u>	
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
TWR2	MONOPOLE			150 HEIGHT	\$128,300	1
FN3	FENCE-6' CHAIN			400 L.F.	\$8,600	1

Valuation History

Appraisal					
Valuation Year	Improvements	Land	Total		
2018	\$136,900	\$0	\$136,900		
2017	\$136,900	\$0	\$136,900		
2016	\$246,700	\$0	\$246,700		

Assessment					
Valuation Year	Improvements	Land	Total		
2018	\$95,800	\$0	\$95,800		
2017	\$95,800	\$0	\$95,800		
2016	\$172,600	\$0	\$172,600		

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EXHIBIT 4 Property Map

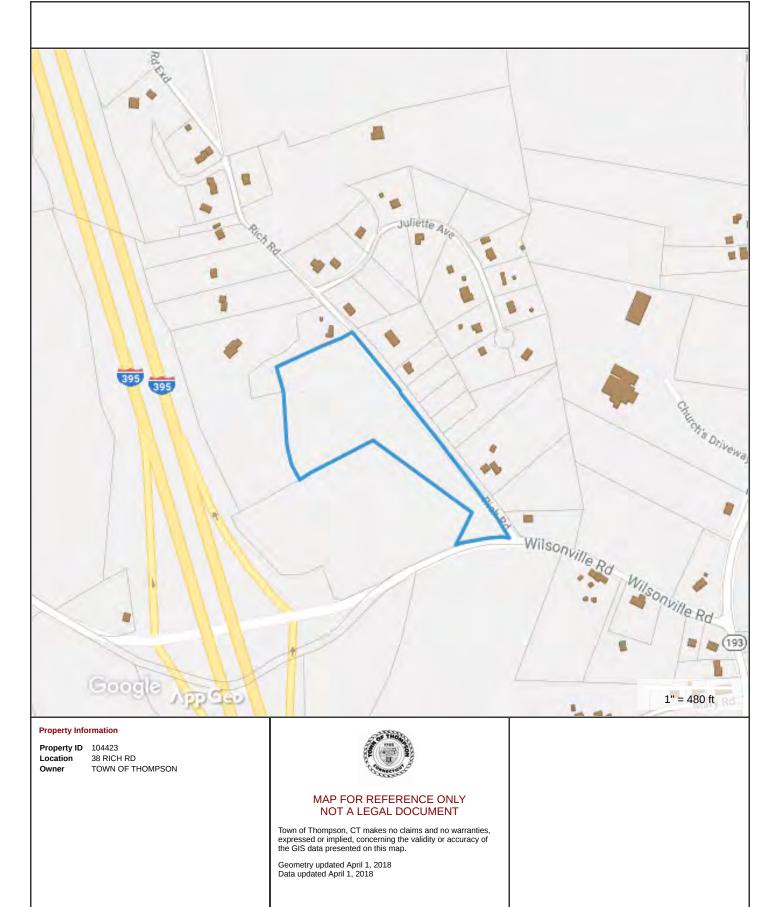


EXHIBIT 5 Zoning Documents

SITE NAME:	Thompson 1, CT	SITE ID:	CT11559-/	4	
	MCF Communications				Jennifer
Transaction:	ZONING/PERMITTING CO				
Address: 38		7			
Jurisdiction:	Connecticut Siting Council				
	Type: Cert. of Environ. Comp. & F			Docket	#344
Approval Date:	1/10/08 Approved Height:	150	Tower Build [Date:	
If tower is destro	oyed or drop/swap required, tower can likely	y be rebuilt?	ΠY	ES	NO NO
Conditions of A	Approval:		Yes	No	<u>N/A</u>
Removal	Bond			\boxtimes	
Site Plan	Submittal			\boxtimes	
Fall Zone				\boxtimes	
Periodic I	nspections			\boxtimes	
Periodic F	Reporting			\boxtimes	
Approval	Renewal			\boxtimes	
Additiona	Conditions See Approval		\boxtimes		
JURISDICTION	POC/DEPT.				
	9:F	ax:			
Phone:					
Bldg./Code Enf Phone:	orcement:F	ax:			
	Patches Yestes	Date: 4/	2.1/25		
Submitted by:	Zoning Compliance	Date	#4/00		
	TO BE COMPLETED E	BY CORPORA	TE		
			es <u>No</u>	<u>N/A</u>	
Zoning Approv	al Attached (required)	D			
	t Attached (required) Journ & Jhomp 10645	son l			Date Recd 5/19/08
Certificate of C	Occupancy or Compliance (CO) attached (re	equired)			8/1/08
Zoning Manag	er Approval: DEBDCC	and		Date _	24/208
April 27, 2007					

DOCKET NO. 344 - MCF Communications bg, Inc. and	}	Connecticut
Omnipoint Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the	}	Siting
construction, maintenance and operation of a telecommunications facility located at Rich Road, Thompson, Connecticut.	}	Council

January 10, 2008

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to MCF Communications bg, Inc. for the construction, maintenance and operation of a wireless telecommunications facility to be located on Rich Road in Thompson, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

- The tower shall be designed and constructed as a monopole no taller than 150 feet above ground level to provide telecommunications services to both public and private entities. Panel antennas to be installed on the tower shall be flush-mounted or attached to the tower using T-arm mounts.
- 2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Thompson and all parties and intervenors, as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a final site plan(s) of site development to include specifications for the tower, tower foundation, antenna mountings, equipment building, access road, and utility line;
 - b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the <u>2002 Connecticut Guidelines for Soil Erosion and</u> Sediment Control, as amended.

Docket 344: Thompson Decision and Order Page 2

- 3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council in the event other carriers locate at this facility or if circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
- 4. Upon the establishment of any new state or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Thompson public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Thompson. Any proposed modifications to this Decision and Order shall likewise be so served.
- 9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 10. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

Docket 344: Thompson Decision and Order Page 3

> 11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in <u>The Norwich Bulletin</u> and <u>The Thompson Villager</u>.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Applicant	MCF Communications bg, Inc. and Omnipoint Communications, Inc.	Julie Kohler, Esq. Carrie Larson, Esq. Cohen and Wolf, P.C 1115 Broad Street Bridgeport, CT 06604 Tel: 203-368-0211 Fax: 203-394-9901 JKohler@cohenandwolf.com Clarson@cohenandwolf.com
Intervenor Approved 08/29/07	Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597 (860) 275-8200

The parties and intervenors in this proceeding are:

Department of Building Safety & Inspection

p.10

No. 10645

Permit

BUILDING PERMIT

ADDRESS: 38 Rich Road

Applicant: Guy Daniels, agent Representing: Northeast Towers Inc.

OWNER of RECORD: Town of Thompson, w/lease to MCF Communication

CONTRACTOR: Northeast Towers, Inc.

APPLICATION date: 26 March 2008

and Work Authorized:

<u>Erection of a 150-foot Monopole (Communication) Tower</u> with supporting foundation. Changes to the approved signed plan will require an amended permit with appurtenances or additional works noted. The amended application will require approval of all agencies and with additional fees, if applicable.

Inspections required: (as outlined on reverse side of building permit).

Attach the Building Permit in CLEAR (PUBLIC) VIEW

105.7 Placement of Permit. The building permit or copy (thereof) shall be kept on the site of the work until the completion of the project.

109.1 & 109.3 Required inspections. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

105.5 Expiration of permit. The permit shall become invalid unless the work authorized by such permit is commenced within 6-months after date of issuance. Extensions can be granted if requested in writing prior to limit and just cause demonstrated.

Building Permit Issued date: 19 May 2008

Signature of Building Official – Alvan R. Hill

Notify the office (applicant) 24-hours prior to all required inspections. A notice will be left by the building official on the property with all or partial approvals. Code violations noted may require re-inspections.

The above project will be using the 2005 Connecticut building Code adopted 31 December 2005, specifically the 2003 International Building Code, and as amended the 2005 Connecticut building Code of 2005. Electrical code will use the 2005 NEC, the 2003 ICC/ANSI A117.1, the 2003 International Existing building Code, the 2003 International Plumbing Code, the 2003 International Mechanical Code, & the 2003 International Energy Conservation Code. Town of THOMPSON Connecticut 06255

Department of Building Safety & Inspection

Date of Certificate Issuance 01 August 2008

Use Group 'U' Type of Construction N/A

Certificate of Occupancy or Use

Map <u>97</u> Block <u>28</u> Lot <u>7</u> Zone <u>R-40</u>

Certificate Number 3558

Building Permit Number 10645

Edition of Connecticut Building Code 2005 Connecticut Building Code Special Stipulations &

Conditions of the Building Permit: None.

Sprinkler system? N/A

The Certificate is to certify that the described portion of the building, use or structure inspected for compliance & for use as <u>A 150-foot Communication (Monopole) Tower</u>

The Owner of Record: Town of Thompson

Property located at 38 Rich Road

Structure or use conforms substantially to the requirements of the State Building Code and the rules lawfully adopted hereunder.

JUL 3 1 2008 Signature of Building Official Alvan R. Hill Date of signature

Owner - White

Assessor - Cherry copy

Building Department - Pink Copy

EXHIBIT 6

Construction Drawings

				1
APPROVALS PROJECT MANAGER:	DATE:	ZONING/SITE ACQ.:	DATE:	-
CONSTRUCTION:	DATE:	OPERATIONS:	DATE:	
<u>RF ENGINEERING:</u>	DATE:	TOWER OWNER:	DATE:	
]
T-MOBILE TECHNIC				-
	<u>RESTRICTIC</u> BY CERTIFIED (
	BY CERTIFIED (BY CERTIFIED (
SECTOR D: ACCESS E	BY CERTIFIED (
GPS/LMU: UNRESTRI RADIO CABINETS: UNRESTRI				
PPC DISCONNECT: UNRESTRI MAIN CIRCUIT D/C: UNRESTRI				
NIU/T DEMARC: UNRESTRI				
]] [
GENERAL NOTES				
1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND LAWS, ORDINANCES, RULES, REGULATIONS AND I ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY	LAWFUL ORDERS OF	SHALL REPAIR ANY DAMAGE THAT MAY HAVE CONSTRUCTION ON OR ABOUT THE PROPERT		ALCU
SPECIFICATIONS, AND LOCAL AND STATE JURISDI BEARING ON THE PERFORMANCE OF THE WORK. PERFORMED ON THE PROJECT AND THE MATERIA	CTIONAL CODES THE WORK	 THE CONTRACTOR SHALL KEEP THE GENERAL HAZARD FREE DURING CONSTRUCTION AND I DEBRIS, RUBBISH AND REMOVE EQUIPMENT 	DISPOSE OF ALL DIRT,	RICH
BE IN STRICT ACCORDANCE WITH ALL APPLICABL REGULATIONS, AND ORDINANCES.		REMAINING ON THE PROPERTY. PREMISES SH CONDITION AND FREE FROM PAINT SPOTS, I ANY NATURE.	HALL BE LEFT IN CLEAN	THUE MORT
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EA IN THE CONSTRUCTION AND CONTRACT DOCUMEN SCOPE OF WORK. THE CONTRACTOR BIDDING TH	NTS THE COMPLETE	14. THE CONTRACTOR SHALL COMPLY WITH ALL THEY APPLY TO THIS PROJECT.	osha requirements as	Case -
NEVERTHELESS CAUTIONED THAT MINOR OMISSIO THE DRAWINGS AND OR SPECIFICATIONS SHALL CONTRACTOR FROM COMPLETING THE PROJECT /	ns or errors in Not excuse said	15. THE CONTRACTOR SHALL NOTIFY THE PROJE REPRESENTATIVE WHERE A CONFLICT OCCUR		165
ACCORDANCE WITH THE INTENT OF THESE DOCU 3. THE CONTRACTOR OR BIDDER SHALL BEAR THE	IMENTS.	CONTRACT DOCUMENTS. THE CONTRACTOR IS MATERIAL OR CONSTRUCT ANY PORTION OF	S NOT TO ORDER THE WORK THAT IS IN	C H
NOTIFYING (IN WRITING) THE OMNIPOINT REPRES CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO	entative of any The submission of	CONFLICT UNTIL CONFLICT IS RESOLVED BY REPRESENTATIVE.		o tag
CONTRACTOR'S PROPOSAL OR PERFORMANCE OF OF DISCREPANCIES THE CONTRACTOR SHALL PR OR EXTENSIVE WORK, UNLESS DIRECTED IN WRI	ICE THE MORE COSTLY	16. THE CONTRACTOR SHALL VERIFY ALL DIMENS PROPERTY LINES, ETC. ON THE JOB.		SINCO
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHI EQUIPMENT, LABOR AND ALL OTHER MATERIALS NECESSARY TO COMPLETE THE WORK/PROJECT HEREIN.	AND LABOR DEEMED	17. ALL UNDERGROUND UTILITY INFORMATION WA SURFACE INVESTIGATIONS AND EXISTING PLAI CONTRACTOR SHALL LOCATE ALL UNDERGROU FIELD PRIOR TO ANY SITE WORK.	NS OF RECORD. THE	0.000
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PF SUBMISSION OF BIDS OR PERFORMING WORK TO WITH THE FIELD CONDITIONS AND TO VERIFY TH BE CONSTRUCTED IN ACCORDANCE WITH THE CO) FAMILIARIZE HIMSELF AT THE PROJECT CAN			20
 6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION CONSTRUCTION PRIOR TO STARTING WORK ON A DEFINED BY THE CONSTRUCTION DRAWINGS/CON 	TO PROCEED WITH NY ITEM NOT CLEARLY			165
 THE CONTRACTOR SHALL INSTALL ALL EQUIPMEN ACCORDING TO THE MANUFACTURER'S/VENDOR'S UNLESS NOTED OTHERWISE OR WHERE LOCAL C TAKE PRECEDENCE. 	IT AND MATERIALS	AT LEAST 72 HOURS PF DIGGING, THE CONTRAC	CTOR IS	
 THE CONTRACTOR SHALL PROVIDE A FULL SET DOCUMENTS AT THE SITE UPDATED WITH THE LA ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR PERSONNEL INVOLVED WITH THE PROJECT. 	ATEST REVISIONS AND	REQUIRED TO CALL DIG S		S
 THE CONTRACTOR SHALL SUPERVISE AND DIREC DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, I TECHNIQUES, SEQUENCES AND PROCEDURES AN ALL PORTIONS OF THE WORK UNDER THE CONT 	E SOLELY METHODS, D FOR COORDINATING			HEAD NOF
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDI CONSTRUCTION CONTROL SURVEYS, ESTABLISHING ALL LINES AND GRADES REQUIRED TO CONSTRU AS SHOWN HEREIN.	ING ALL NECESSARY G AND MAINTAINING	Williamantic		TURN RIG TOWARD I ROAD. TU THE LEFT
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS AND INSPECTIONS WHICH MAY BE REQU BY THE ARCHITECT/ENGINEER, THE STATE, COUN GOVERNMENT AUTHORITY.	UIRED FOR THE WORK			
12. THE CONTRACTOR SHALL MAKE NECESSARY PRO EXISTING IMPROVEMENTS, EASEMENTS, PAVING, C CONSTRUCTION. UPON COMPLETION OF WORK, T	CURBING, ETC. DURING			

$NL191/MCF_TOWN LOT_FT$

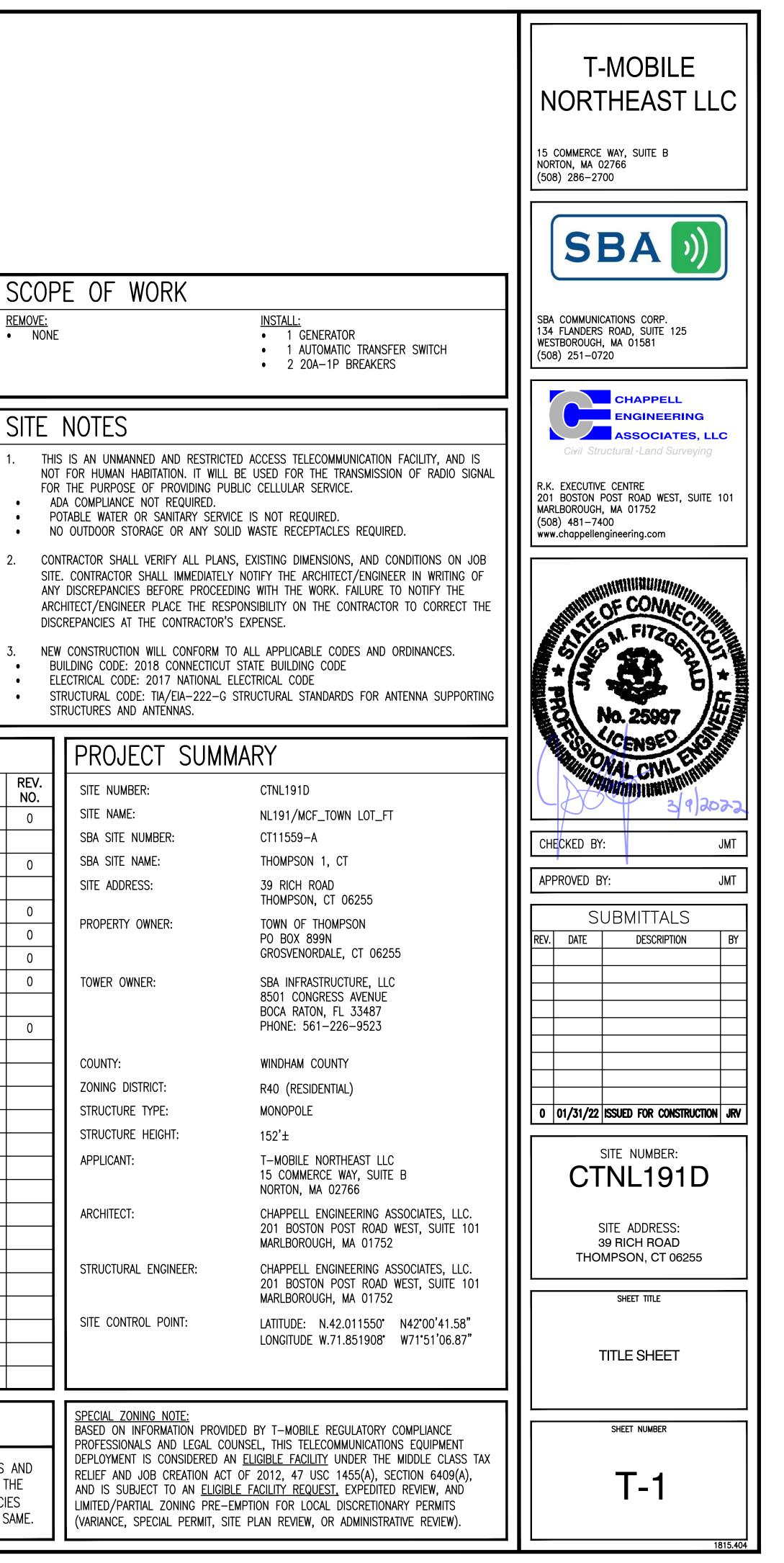
39 RICH ROAD THOMPSON, CT 06255 WINDHAM COUNTY

SITE NO.: CTNL191D

SITE TYPE: 152'± MONOPOLE

PROJECT TYPE: NATIONAL HARDENING PROJECT

SHEET INDEX TY MAP SCALE: 1" = 1000'-0" SHEET NO. REV. NO. DESCRIPTION TITLE SHEET 0 X GN-1 GENERAL NOTES 0 146.5 COMPOUND & EQUIPMENT PLANS 0 A-1 Little 0 A-2 GENERATOR DETAILS Pond A-3 GENERATOR SPECIFICATIONS 1 0 Boat Ramp GENERATOR SPECIFICATIONS 2 0 A-4 ELECTRIC & GROUNDING DETAILS 0 E-1 Sand and Gra Pits \ CITE X DIRECTIONS HEAST TOWARD COMMERCE WAY. TURN LEFT ONTO SOUTH WASHINGTON STREET. ONTO MA-123 EAST. TURN LEFT TO MERGE ONTO I-495 NORTH. TAKE EXIT 58 90 WEST. TAKE EXIT 90 FOR I-395 SOUTH. TAKE EXIT 53 TOWARD WILSONVILLE LEFT ONTO WILSONVILLE ROAD. TURN LEFT ONTO RICH ROAD. SITE IS LOCATED ON DO NOT SCALE DRAWINGS CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



REMOVE: • NONE

<u>GENERAL NOTES:</u>	<u>CONCRETE</u>
 FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR – T-MOBILE SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION) 	1. ALL CONCR DESIGN AND C
OWNER – T-MOBILE OEM – ORIGINAL EQUIPMENT MANUFACTURER	2. ALL CONCR HIGHER STREN REQUIREMENTS
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.	3. REINFORCIN FABRIC SHALL "B" AND ALL F
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.	4. THE FOLLON DRAWINGS: CONCRET CONCRET
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL, STATE AND FEDERAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.	#6 A #5 A CONCRET
5. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.	OR NOT SLAB
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.	BEAM 5. A CHAMFER
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.	6. INSTALLATIO
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.	PROCEDURE. T DEPTH OR AS HOLES IN CON
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER, T1 CABLES AND 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 AND/OR LANDLORD PRIOR TO CONSTRUCTION.	MANUFACTUREF GALVANIZED. E 7. CONCRETE
ACTUAL ROUTING WITH THE CONTRACTOR AND/OR LANDLORD PRIOR TO CONSTRUCTION. 10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.	(IBC1905.6.2.3 (A) RESULT (B) CERTIFI FOR GREATER
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY.	8. AS AN ALTE CONCRETE FRO
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION AND RETURN DISTURBED AREAS TO ORIGINAL CONDITIONS.	9. EQUIPMENT CYLINDER TES
13. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.	STRUCTUR
14. SUBCONTRACTOR SHALL NOTIFY CHAPPELL ENGINEERING ASSOCIATES, LLC 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING TRENCHES, SEALING ROOF AND WALL PENETRATIONS AND POST DOWNS, FINISHING NEW WALLS OR FINAL ELECTRICAL CONNECTIONS FOR ENGINEERING REVIEW.	1. ALL STEEL UNLESS OTHEF DRAWINGS. STE CONSTRUCTION
15. CONSTRUCTION SHALL COMPLY WITH ALL T-MOBILE STANDARDS AND SPECIFICATIONS.	2. ALL WELDIN
16. 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	WHERE FILLET CONSTRUCTION
PROCEEDING WITH CONSTRUCTION.	3. BOLTED CO UNLESS NOTEI
17. THE EXISTING CELL SITES ARE 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.	4. NON-STRUG OTHERWISE.
18. IF THE EXISTING 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 TO BE WORN	5. CONTRACTO STEEL 6. ALL STRUC
TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.	SOIL COM
SITE WORK GENERAL NOTES: 1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.	1. EXCAVATE A AS REQUIRED.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE	2. COMPACTIO ENGINEER IS /
PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.	3. AS AN ALTI "COMPACTION METHOD C.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.	4. COMPACTED
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.	3" LIFTS ABOV 5. AS AN ALTI
5. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.	COMPACTOR (S AND SOFT ARE
6. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.	COMPACTED AS COMPACTI
7. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.	1. HAND OPER
8. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.	CONSTRUC 1. FIELD VERIF SUBCONTRACTO
9. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.	2. COORDINATI SUBCONTRACTO
10. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.	3. CABLE LAD SUBCONTRACTO REQUIRED TO
11. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE T—MOBILE SPECIFICATION FOR SITE SIGNAGE.	

ETE AND REINFORCING STEEL NOTES:

NCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE ND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

NCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. A RENGTH (400PSI) MAY BE USED. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 381 CODE ENTS

RCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE IALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS ALL HOOKS SHALL BE STANDARD, UNO.

DLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON

CRETE EXPOSED TO EARTH OR WEATHER: \$6 AND LARGER2 IN. #5 AND SMALLER & WWF1½ IN. RETE NOT EXPOSED TO EARTH OR WEATHER

NOT CAST AGAINST THE GROUND: SLAB AND WALL

MFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION

ATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED E. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATION FOR EMBEDMENT AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN URER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED . EXPANSION BOLTS SHALL BE PROVIDED BY SIMPSON OR APPROVED EQUAL.

TE CYLINDER TIES ARE NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS 6.2.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER; SULTS OF CONCRETE CYLINDER TEST PERFORMED AT THE SUPPLIERS PLANT. RTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED. TER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.

ALTERNATIVE TO ITEM 7. TEST CYLINDERS SHALL BE TAKEN INITIALLY AND THEREAFTER FOR EVERY 50 YARDS OF FROM EACH DIFFERENT BATCH PLANT.

IENT SHALL NOT BE PLACED ON NEW PADS FOR SEVEN DAYS AFTER PAD IS POURED, UNLESS IT IS VERIFIED BY TESTS THAT COMPRESSIVE STRENGTH HAS BEEN ATTAINED.

TURAL STEEL NOTES:

EEL WORK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH THE DRAWINGS AND T-MOBILE SPECIFICATIONS THERWISE NOTED. STRUCTURAL STEEL SHALL BE ASTM-A-36 UNLESS OTHERWISE NOTED ON THE SITE SPECIFIC STEEL DESIGN, INSTALLATION AND BOLTING SHALL BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL TION (AISC) "MANUAL OF STEEL CONSTRUCTION".

LDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. LET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL TION", 9TH EDITION. PAINTED SURFACES SHALL BE TOUCHED UP.

CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (3/4 ") AND SHALL HAVE MINIMUM OF TWO BOLTS OTED OTHERWISE. ALL BOLTS SHALL BE GALVANIZED OR STAINLESS STEEL.

TRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE $\frac{5}{8}$ " DIA. ASTM A 307 BOLTS (GALV) UNLESS NOTED

CTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW & APPROVAL ON PROJECTS REQUIRING STRUCTURAL

RUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

<u>OMPACTION NOTES FOR SLAB ON GRADE:</u>

TE AS REQUIRED TO REMOVE VEGETATION AND TOPSOIL TO EXPOSE NATURAL SUBGRADE AND PLACE CRUSHED STONE

CTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR IS ACCEPTABLE.

ALTERNATE TO INSPECTION AND WRITTEN CERTIFICATION, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH ION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557

CTED SUBBASE SHALL BE UNIFORM AND LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING #1 SIEVE.

ALTERNATE TO ITEMS 2 AND 3, THE SUBGRADE SOILS WITH 5 PASSES OR A MEDIUM SIZED VIBRATORY PLATE R (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL AND D AS STATED ABOVE.

CTION EQUIPMENT:

DPERATED DOUBLE DRUN, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

RUCTION NOTES:

ERIFICATION:

ACTOR SHALL FIELD VERIFY SCOPE OF WORK, T-MOBILE ANTENNA PLATFORM LOCATION AND UTILITY TRENCHWORK.

INATION OF WORK:

ACTOR SHALL COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.

ACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY AND/OR ICE BRIDGE, AND CONDUIT AS TO SUPPORT CABLES TO THE NEW BTS LOCATION.

ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.

2. SUBCONTRACTOR SHALL MODIFY OR INSTALL CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL. 3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND

TELCORDIA.

4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.

5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA, AND MATCH INSTALLATION REQUIREMENTS.

6. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC AND OSHA.

7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).

8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.

9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.

10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#34 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.

11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.

12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR #2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.

13. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#34 AWG OR LARGER). 600 V. OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.

14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY HARGER (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).

15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.

20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.

VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.

UL. ANSI/IEEE AND NEC.

25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

31. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.

32. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.

21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE

22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION

23. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA,

24. CABINETS, BOXES AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

GENERAL NOTES

GN-1

SBA COMMUNICATIONS CORP. 134 FLANDERS ROAD, SUITE 125 WESTBOROUGH, MA 01581 (508) 251-0720 CHAPPELL NGINEERING ASSOCIATES, LLC Civil Structural ·Land Surveying R.K. EXECUTIVE CENTRE 201 BOSTON POST ROAD WEST, SUITE 101 MARLBOROUGH. MA 01752 (508) 481–7400 www.chappellengineering.com

T-MOBILE

NORTHEAST LLC

15 COMMERCE WAY, SUITE B

SBA

NORTON, MA 02766

(508) 286-2700



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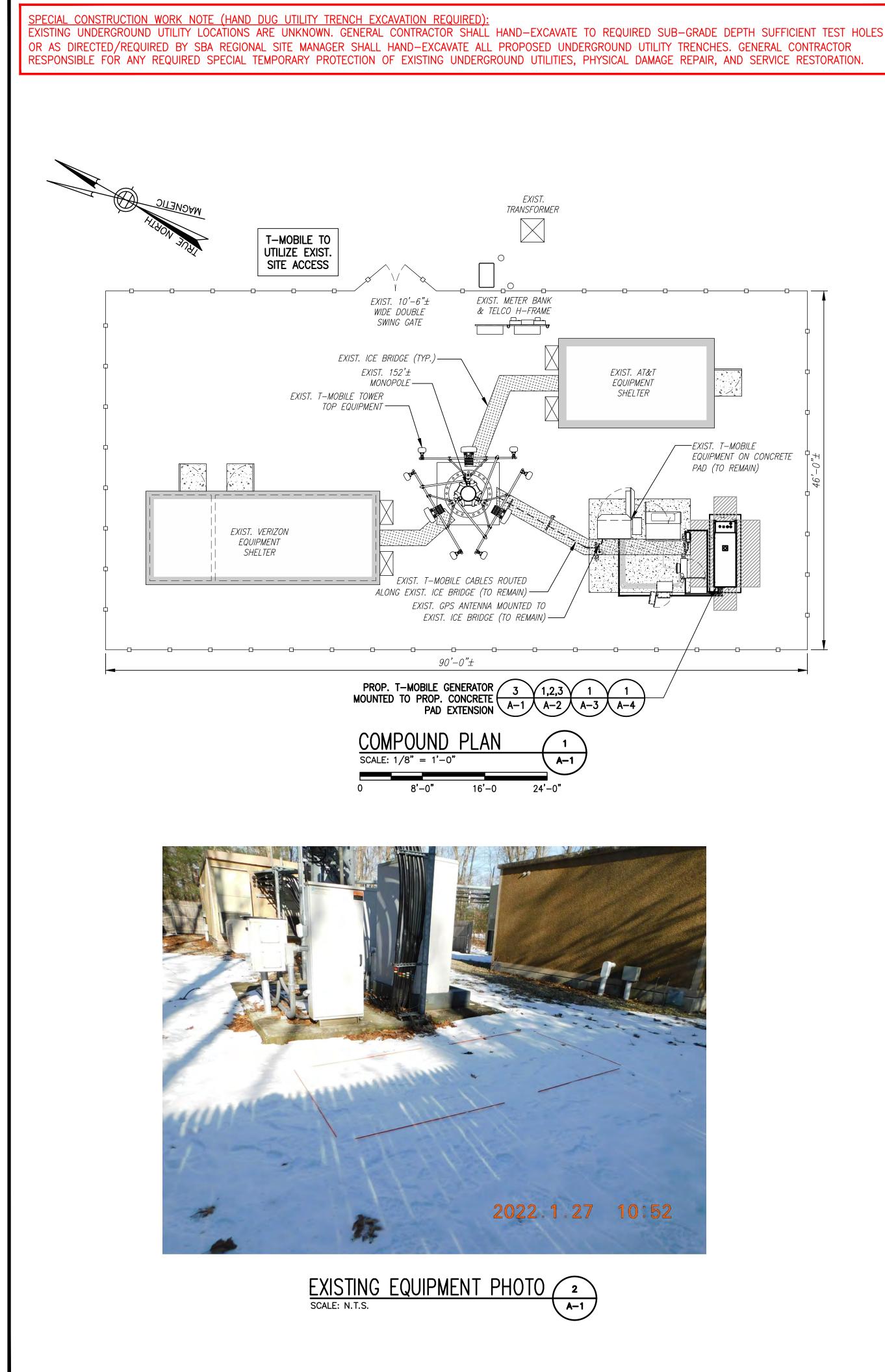
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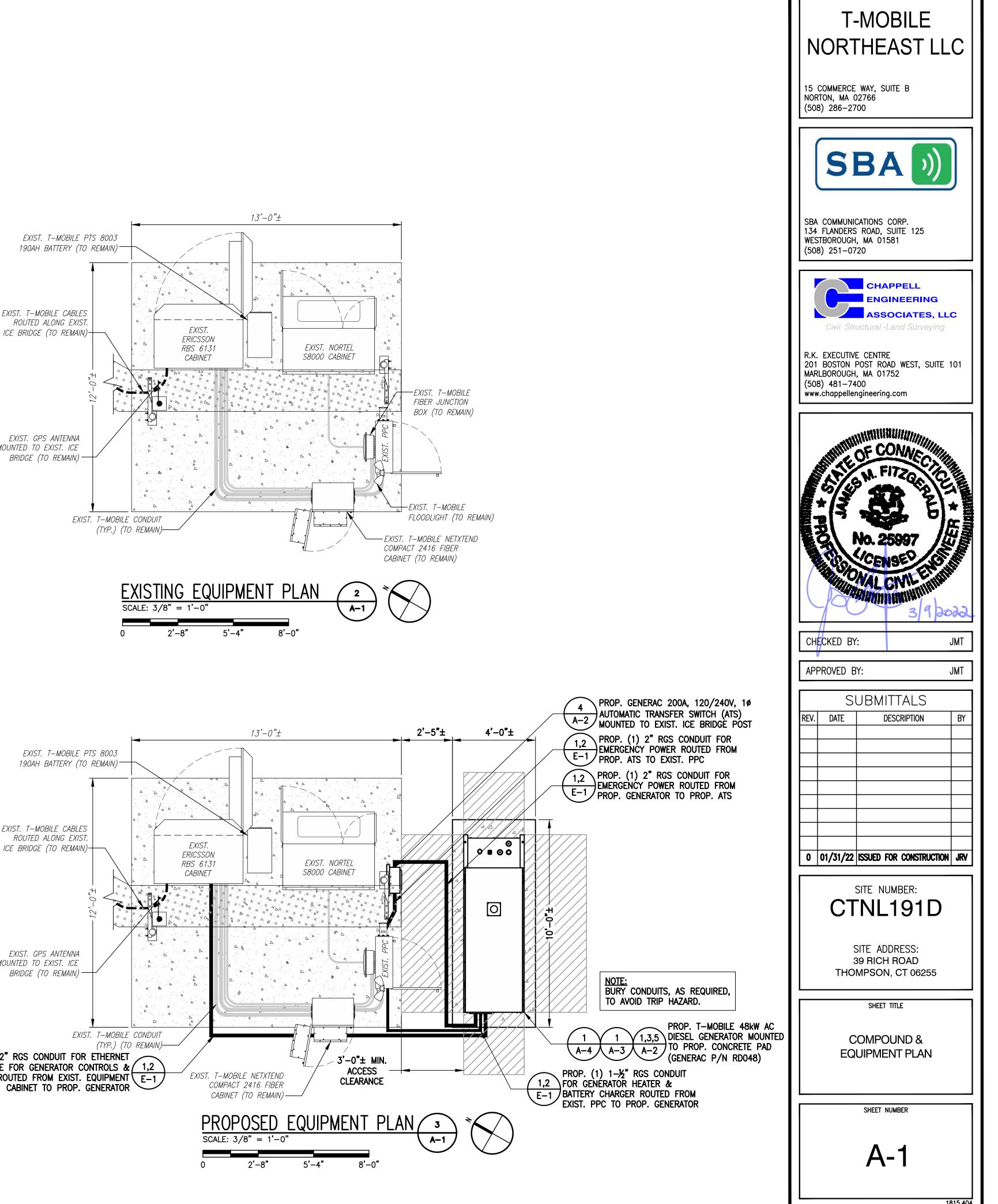
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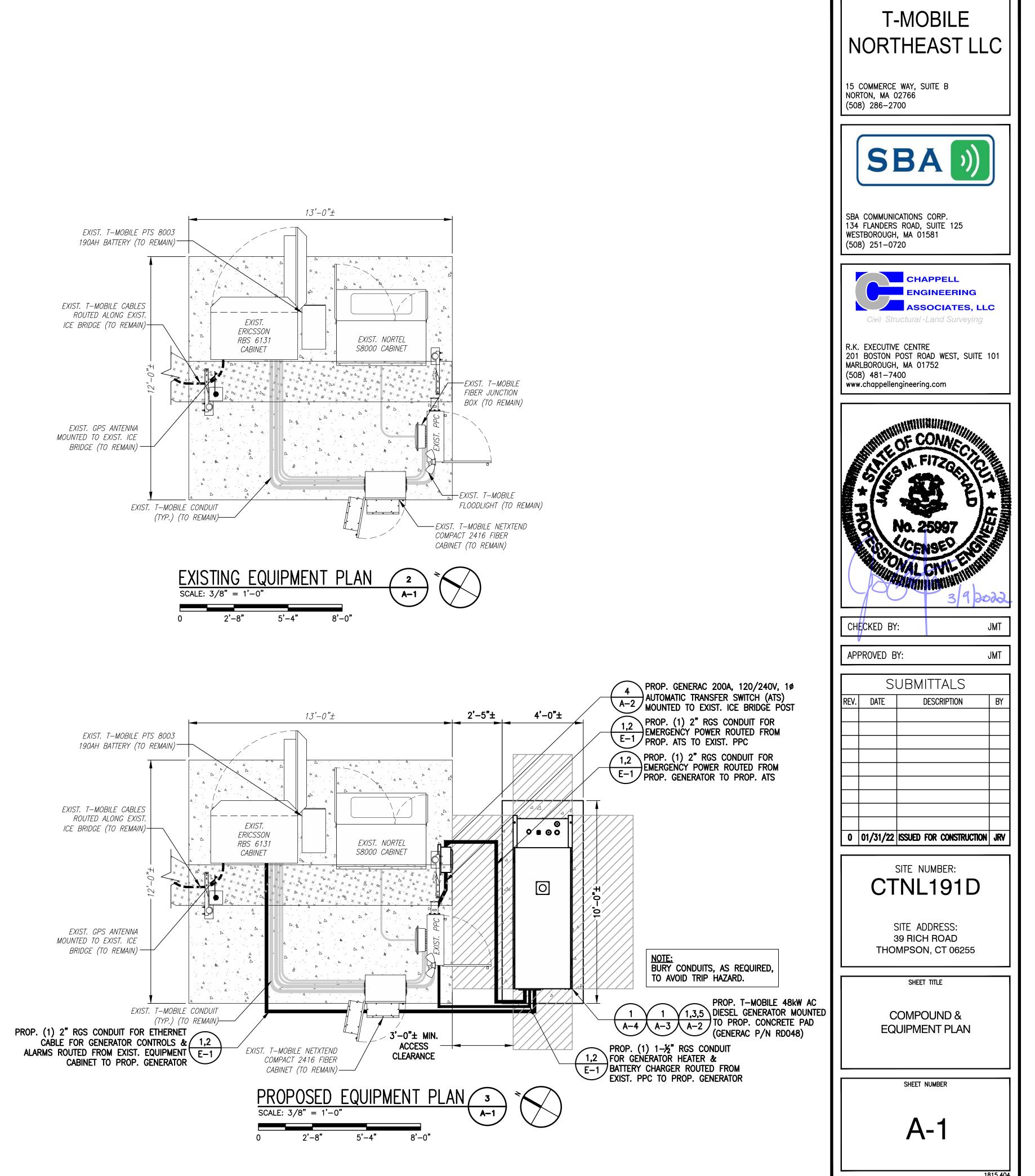
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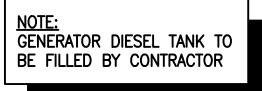
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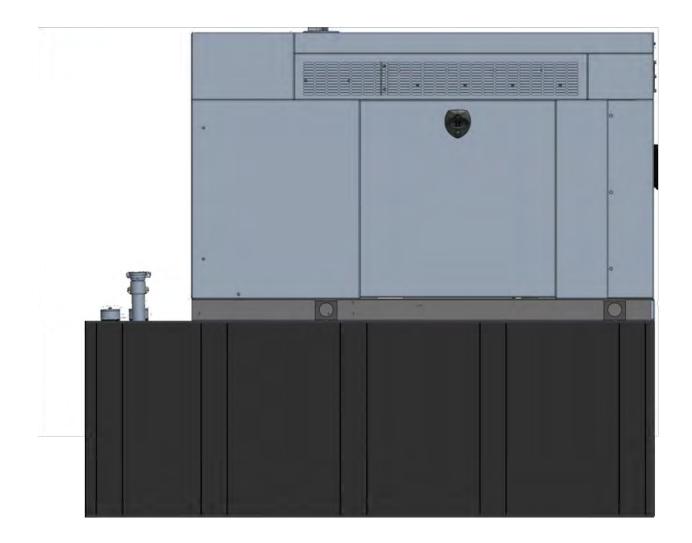
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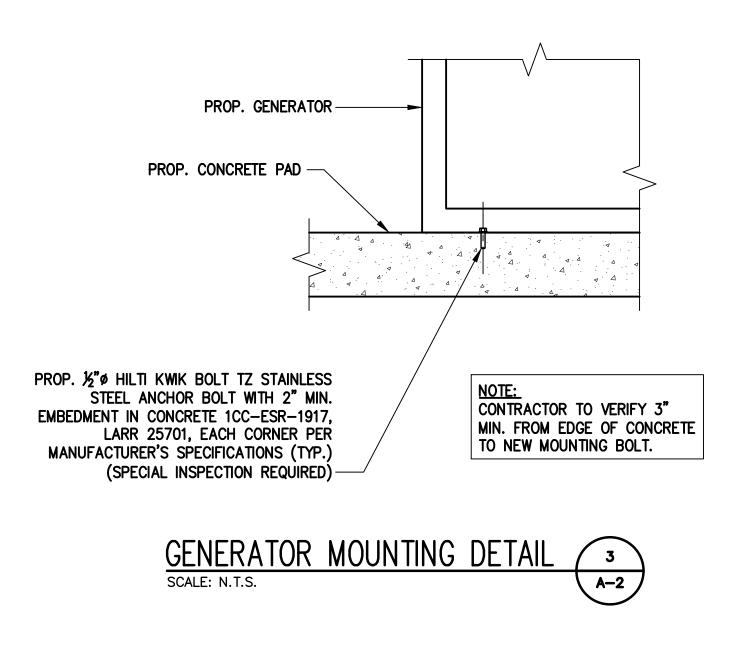


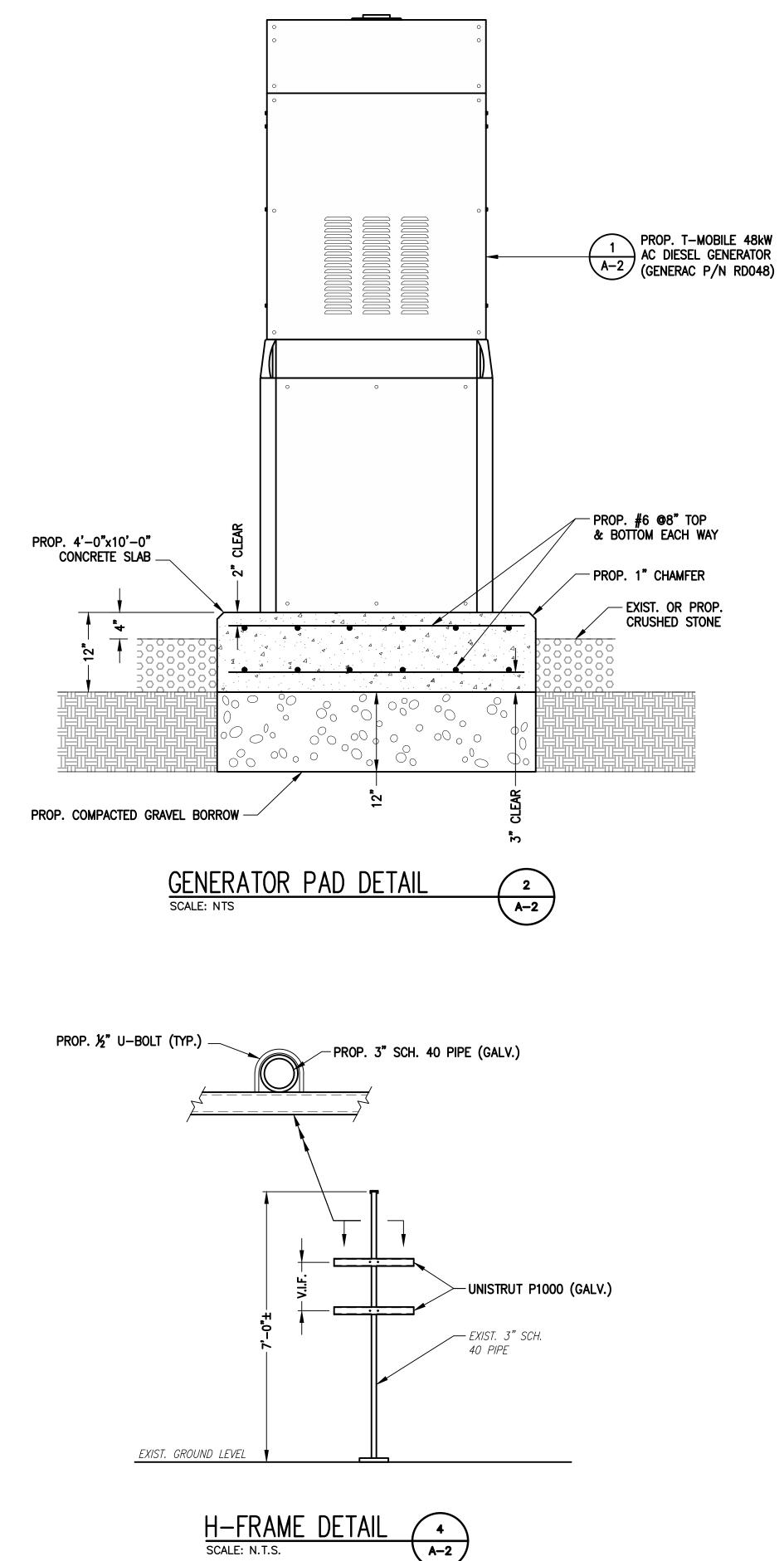




GENERAC RD048 48kW AC DIESEL GENERATOR DIMENSIONS: 103.4"L x 35.0"W x 90.0"H WEIGHT: 2,954 lbs QUANTITY: TOTAL OF 1

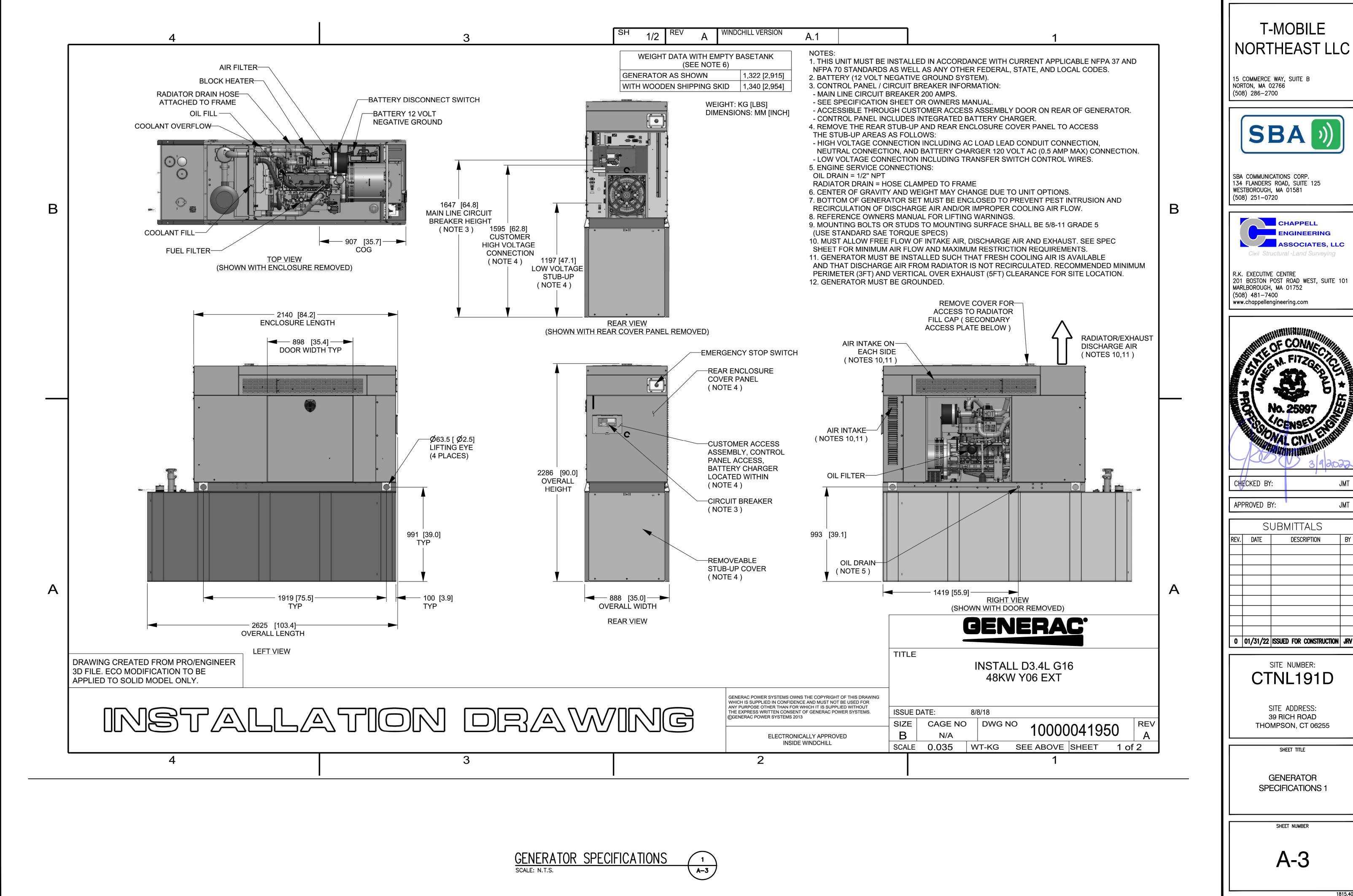
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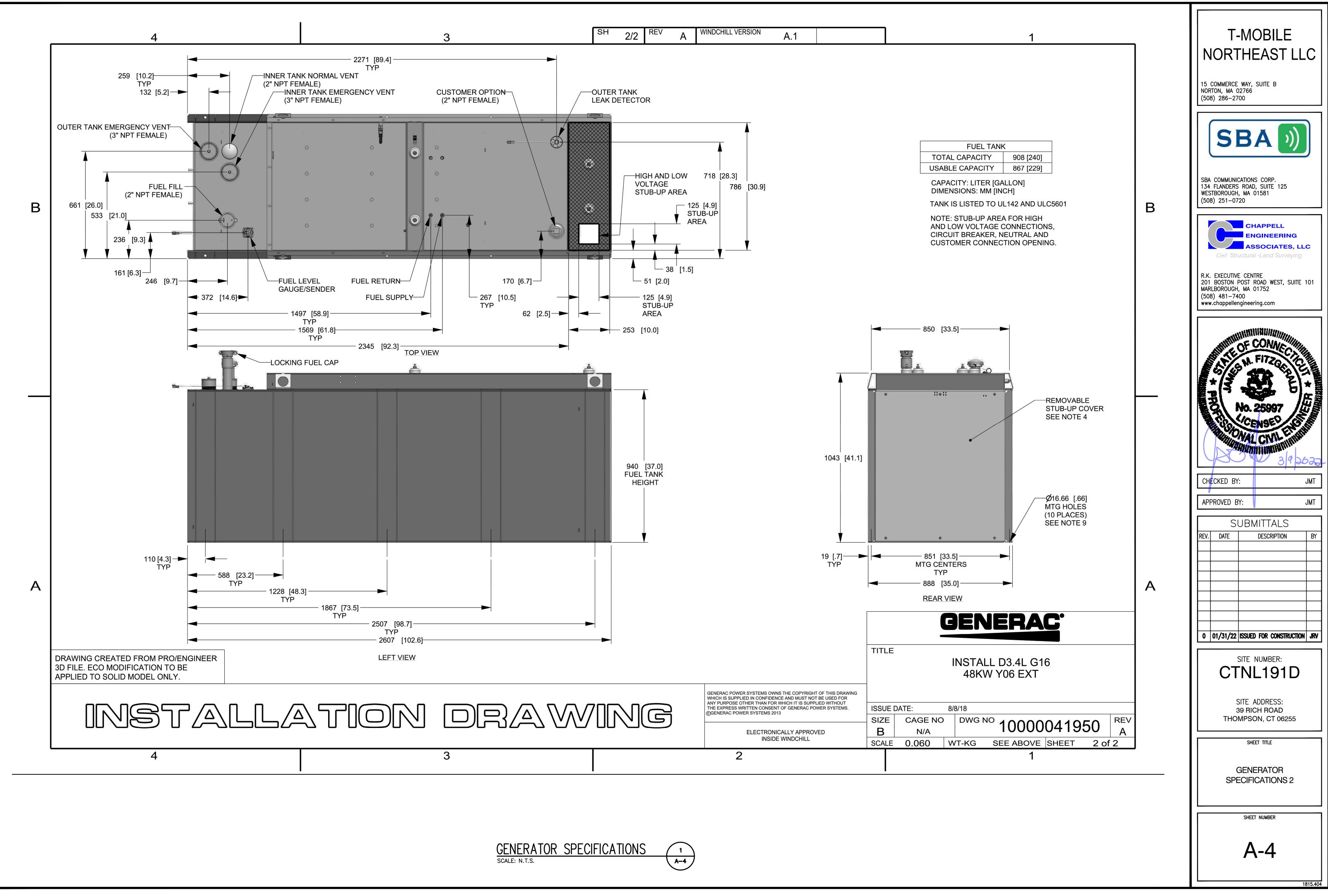
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CHAPPELL ENGINEERING ASSOCIATES, LI Civil Structural Land Surveying	LC
R.K. EXECUTIVE CENTRE 201 BOSTON POST ROAD WEST, SUITE MARLBOROUGH, MA 01752 (508) 481-7400 www.chappellengineering.com	
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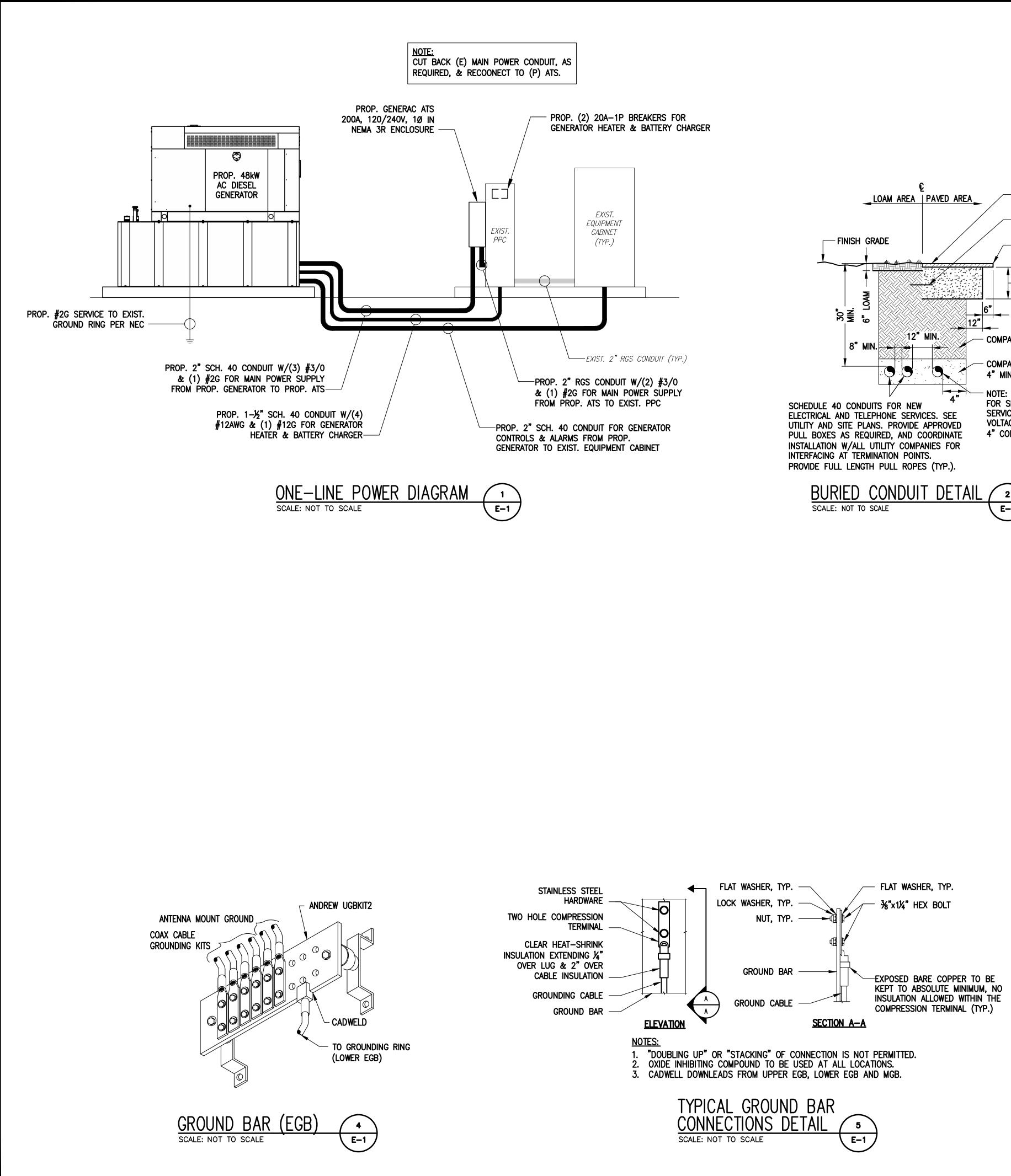


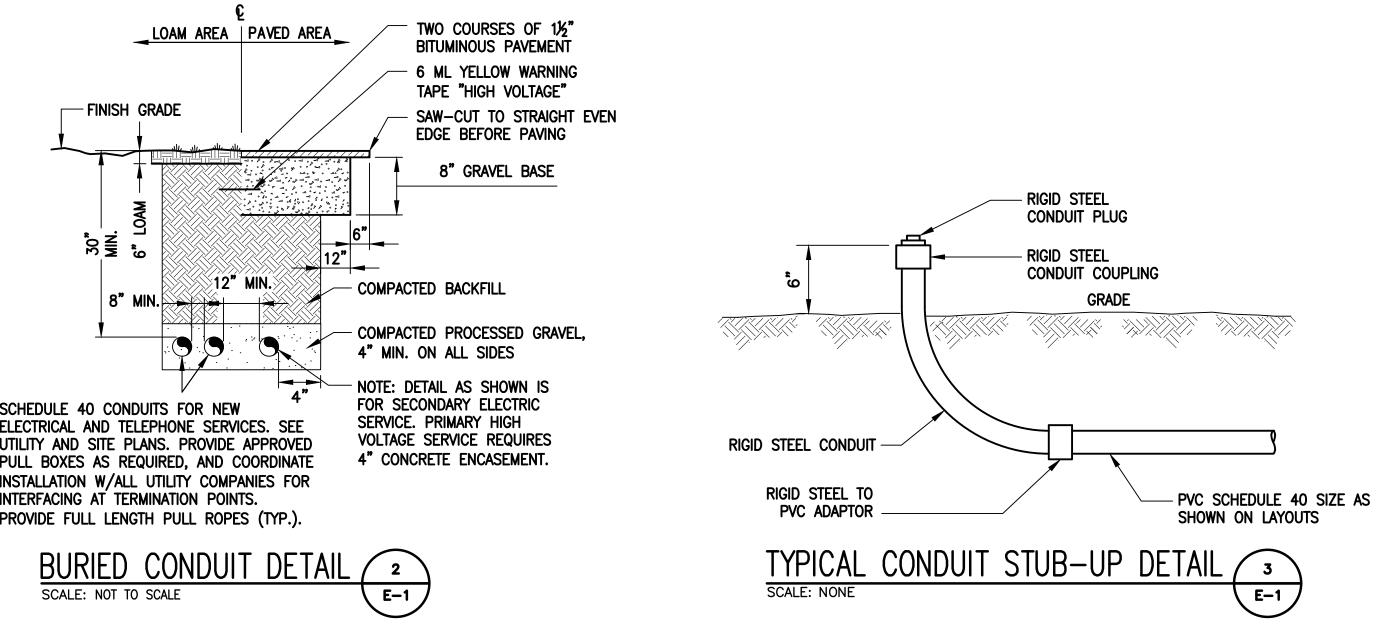
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ELECTRICAL AND GROUNDING NOTES

- AND LOCAL CODES.
- PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- 4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- 6. BURIED CONDUIT SHALL BE SCHEDULE 40 PVC.
- 7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THININSULATION.
- MEASURING TAPE AT EACH END.
- 11. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- 12. PPC SUPPLIED BY PROJECT OWNER.
- ACCORDANCE WITH "T-MOBILE BTS SITE GROUNDING STANDARDS".
- OWNER.
- BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- RING
- ALL LOCATIONS.
- 19. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- 21. CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMNS MINIMUM
- RESISTANCE REQUIRED.
- RECORD RESULTS FOR PROJECT CLOSE OUT.

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE

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

3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO

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) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.

8. RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY. 9. RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BTS

CABINET AS INDICATED ON THIS DRAWING PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT

10. WHERE CONDUIT BETWEEN BTS AND PROJECT OWNER CELL SITE PPC AND BETWEEN BTS AND PROJECT OWNER CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE PVC CONDUIT.

13. GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTNING PROTECTION SHALL BE DONE IN

14. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT

15. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING. 16. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW

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

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

20. CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXIST. TOWER/ MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.

22. CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND LNA RETURN-LOSS AND DISTANCE- TO-FAULT MEASUREMENTS (SWEEP TESTS) AND



EXHIBIT 7

Generac RD048 48 KW 48kw Diesel Specifications

RD048 3.4L 48kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERA

Model Number 48kW: G0071940

Standby Power Rating 48 kW. 60 Hz

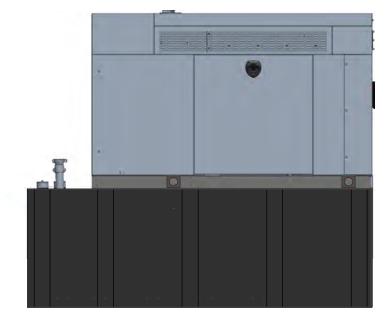


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CODES AND STANDARDS

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



UL2200, UL508, UL489, UL142



NEMA ICS1, ICS10, MG1, 250, ICS6,

ANSI National Standards Institute

ANSI/IEEE C62.41

POWERING AHEAD

For over 50 years, Generac has led the industry with innovative design and superior manufacturing. Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application. Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

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

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

- Block Heater
- Oil Drain Extension
- Fan Guard
- Factory Filled Oil & Coolant

GENERATOR SET

- Sound Attenuated Aluminum Enclosure
- Internal Genset Vibration Isolation
- Separation of Circuits High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- Ready to Accept Full Load in <10 Seconds
- External Emergency Stop Push Button

ENCLOSURE

- · Lockable Doors- Keyed Lock with Padlock Hasp
- Rust Proof Hardware
- RhinoCoat[™] Textured Polyester Powder Coat

Electrical System

- Battery
- · Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor
- · Smart Battery Charger
- · Battery Disconnect

ALTERNATOR SYSTEM

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

Cooling System

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

Fuel System

- Primary Fuel Filter
- Stainless Steel Fuel Lines

FUEL TANKS

- 48 Minimum Hour Run Time
- UL142 Listed
- Lockable Fuel Cap

CONTROL SYSTEM



Evolution [™] Controller

- Two-Line Plain Text LCD Display
- · Programmable Start Delay Between 10-30 seconds
- 10 second Engine Start Sequence
- 5 second Engine Warm Up
- 1 minute Engine Cool-Down
- Starter Lock-Out
- Smart Battery Charger
- Automatic Voltage Regulation with Over and Under Protection
- Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown
- High Temperature Shutdown
- Overcrank Protection
- Safety Fused
- Failure to Transfer Protection
- Low Battery Protection
- 50 Event Run Log
- Future Set Capable Exerciser
- · Incorrect Wiring Protection
- Internal Fault Protection

OPTIONAL SHIPPED LOOSE AND FIELD INSTALL KITS

GENERATOR SET

- o Paint Kit
- o Scheduled Maintenance Kit

FUEL TANK

- $\circ~$ Fuel Fill Drop Tube
- Spill Box
- $\circ~$ 90% Fuel Audible Alarm
- Tank Risers
- Spill Box Drainback Kit
- Vent Extension Support Kit
- o Overfill Prevention Valve

- Common External Fault Capability
- Governor Failure Protection
- OBD2 Diagnostic Port

Alarms

- Door Open
- Fuel Level
- 90% Full
- 50% Low Fuel
- 10% Shutdown
- Generator Running
- Not in Auto
- Common Shutdown

2 OF 6



RD048 | 3.4L | 48kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Generac
Cylinder #	4
Туре	In-Line
Displacement - in ³ (L)	207.48 (3.4)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron OHV
Piston Type	Aluminum
Engine Governing	
Governor	Electronic
Frequency Regulation (Steady State)	±0.25%
Lubrication System	
Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity - L (qts)	7.0 (7.4)

Cooling System	
Cooling System Type	Pressurized Closed Recovery
Fan Type	Pusher
Fan Speed (rpm)	2,029
Fan Diameter - mm (in)	22 (559)
Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line (mm/in)	7.94 (0.31) ID
Fuel Return Line (mm/in)	7.94 (0.31) ID

Engine Electrical System

Fuel Filtering (microns)

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

10

ALTERNATOR SPECIFICATIONS

Standard Model	Generac
Poles	4
Field Type	Rotating
Insulation Class - Rotor	F
Insulation Class - Stator	Н
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Direct
Bearings	Sealed Ball
Coupling	Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Full Digital
Regulation Accuracy (Steady State)	±1.0%





RD048 | 3.4L | 48kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

OPERATING DATA





POWER RATINGS Standby Single-Phase 120/240 VAC @1.0pf 48 kW Amps: 200 Circuit Breaker Size Amps: 200 **STARTING CAPABILITIES (sKVA)** sKVA vs. Voltage Dip at 30% 120/240 V, Single-Phase at 0.4pf 189 **FUEL CONSUMPTION RATES*** Percent Load Diesel gal/hr (L/hr) 1.35 (5.11) 25% 50% 2.15 (8.14) 75% 3.06 (11.58) 100% 3.98 (15.07) * Fuel supply installation must accommodate fuel consumption rates at 100% load. COOLING Standby Air Flow (Radiator and Alternator) cfm (m³/min) 2824 (80) 2.8 (10.6) **Coolant System Capacity** gal (I) 135,900 (143.4) Heat Rejection to Coolant BTU/hr (MJ/hr) **Temperature Deration** 3% for every 5°C above 25°C or 1.7% for every 5°F over 77°F Altitude Deration 1% for every 100 m above 915 or 3% for every 1000 ft over 3000 ft -20 - 122 (-28 - 50) Maximum Ambient Temperature Operating Range °F (°C) Maximum Radiator Backpressure in H₂O 0.5 COMBUSTION AIR REQUIREMENTS Standby Flow at Rated Power cfm (m³/min) 190 (5.38)

ENGINE			EXHAUST		
		Standby			Standby
Rated Engine Speed	rpm	1800	Exhaust Flow (Rated Output)	cfm (m ³ /min)	448 (12.7)
			Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1120 (604.4)

- 5

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

Please consult a Generac Power Systems Dealer for additional details. All performance ratings in accordance with IS03046, BS5514, IS08528 and DIN6271 standards.

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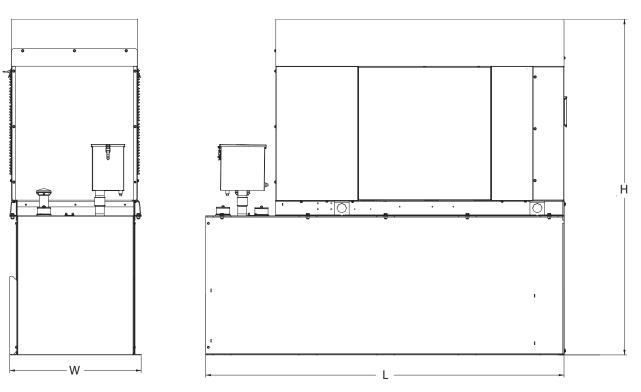
RD048 | 3.4L | 48kW



INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*



Weights and Dimensions

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

Fuel Tank Gross Total Capacity240Fuel Tank Gross Usable Capacity229Fuel Tank Net Usable Capacity (Run Hours Based on Net Usable Capacity)206Run Hours 100% Load52Run Hours 75% Load67Run Hours 50% Load96YOUR FACTORY RECOGNIZED GENRated Load Sound Output at 23ft - dB(A)65	
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 YOUR FACTORY RECOGNIZED GEN Sound Emission Data	
(Run Hours Based on Net Usable Capacity) 200 Run Hours 100% Load 52 Run Hours 75% Load 67 Run Hours 50% Load 96 YOUR FACTORY RECOGNIZED GEN Sound Emission Data	
Run Hours 75% Load 67 * All measurements are approximate and for estimation purposes only. Run Hours 50% Load 96 YOUR FACTORY RECOGNIZED GEN Sound Emission Data	
Run Hours 50% Load 96 YOUR FACTORY RECOGNIZED GEN Sound Emission Data	
YOUR FACTORY RECOGNIZED GEN Sound Emission Data	
Sound Emission Data	
	RAC INDUSTRIAL DE/
Rated Load Sound Output at 23ft - dB(A) 65	

5 OF 6

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.

EXHIBIT 8

Map showing nearest wetlands

