

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

A PETITION FOR A DECLARATORY RULING ON THE NEED TO OBTAIN A SITING
COUNCIL CERTIFICATE FOR THE PROPOSED MODIFICATION OF AN EXISTING
WIRELESS TELECOMMUNICATIONS FACILITY AT:
376 DEERCLIFF ROAD, AVON, CT 06001

PETITION NO. _____
JULY 8, 2022

PETITION FOR A DECLARATORY RULING:
INSTALLATION HAVING NO:
SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies (“R.C.S.A”), T-Mobile Northeast, LLC (“T-Mobile”) hereby petitions the Connecticut Siting Council (the “Council”) for a declaratory ruling (“Petition”) that no Certificate of Environmental Compatibility and Public Need (“Certificate”) is required under Section 16-50k(a) of the Connecticut General Statutes (“C.G.S”) for the modification of an existing wireless telecommunications facility at 376 Deercliff Road, Avon, Connecticut (the “Existing Facility”).

II. Existing Facility

The Existing Facility is located on an approximately 2.00-acre parcel owned by Homeowners Finance Co. The Facility consists of a 560-foot guyed tower and associated compound, which is owned by Crown Castle. **Attachment 1** contains the owner’s authorization permitting T-Mobile to file this Petition. The Facility was originally built in approximately 1985 and T-Mobile’s shared use of the facility was approved by the Council on July 18, 2011, as documented in **Attachment 2**.

III. T-Mobile Facility

T-Mobile’s proposed modification to its facility is illustrated on the plans submitted as **Attachment 3**. T-Mobile proposes to install a new 48kW diesel generator for emergency backup power.

T-Mobile’s existing ground equipment is located on a concrete pad immediately adjacent to the existing guyed tower on the West side. T-Mobile will install the new generator on a proposed 9’ x 4’ concrete pad immediately adjacent to its existing equipment. The generator requires 3’

clearances in all directions, meaning T-Mobile will need a 15' x 10' area. The proposed generator will be fueled via an integrated 240-gallon tank. The generator requires one (1) 12-minute run cycle per week. Specifications for the proposed generator are in **Attachment 4**.

IV. The Proposed Modification Will Not Have A Substantial Adverse Environmental Effect

A. Physical Environmental Effects

The installation of T-Mobile's emergency backup generator will not involve a significant alteration to the physical and environmental characteristics of the Property. The installation will alter an existing disturbed area immediately adjacent to the existing compound. No native trees will need to be removed and no on-site or off-site wetlands or watercourses will be impacted by the proposed facility expansion.

B. Visual Effects

Given the height of the existing tower, 560' AGL, and the presence of an existing developed compound area, T-Mobile's proposed generator installation would have a minimal visual impact. The proposed generator will be screened from view from the public right-of-way by the existing buildings and will have a minimal visual impact.

C. Noise Effects

The installation of T-Mobile's backup generator will not result in a significant increase in noise from the Existing Facility. Use of the generator to provide emergency back-up power would be exempt from CT DEEP noise control standards under CT General Statutes Section 22a-69-1.8(f), because any noise created would be the result of an emergency. The weekly 12-minute run cycles would not add a significant level of noise from the cell site/property, which already includes at least one other backup generator.

D. FCC Compliance

T-Mobile's proposed modification will not result in a change to radio frequency ("RF") emissions from the existing facility. A new power density calculation table has not, therefore, been provided as part of this filing.

V. Notice to the Municipality, Property Owner and Abutting Landowners

On July 6, 2022, a copy of this Petition was sent to the Town of Avon Town Manager Brandon Robertson, and Hiram Peck III, Zoning Enforcement Officer. A notice of T-Mobile's intent to file this Petition was also sent to the owners of land that may be considered to abut the Property or are within 200-feet. Included in **Attachment 5** is a sample abutter's letter and the list of those abutting landowners who were sent notice.

VI. Conclusion

Based on the information provided above, the Petitioners respectfully requests that the Council issue a determination in the form of a declaratory ruling that the installation of a

temporary tower at the Property will not have a substantial adverse environmental effect and does not require the issuance of a Certificate of Environmental Compatibility and Public Need pursuant to § 16-50k of the General Statutes.

Respectfully submitted,

Eric Breun
Transcend Wireless
Agent for T-Mobile Northeast LLC
201-658-7728
ebreun@transcendwireless.com

Attachments:

Brandon Robertson
Town of Avon
60 West Main Street
Avon, CT 06001

Hiram Peck III
Town of Avon
60 West Main Street
Avon, CT 06001

Crown Castle - Tower Owner

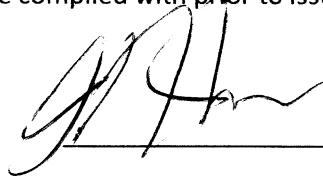
Homeowners Finance Co - Property Owner

LETTER OF AUTHORIZATION

BUN: 870800 / Avon (Deercliff Rd.)
Property Address: 376 Deercliff Road, Avon, Connecticut 06001

I, David Fishman Partner of Homeowners Finance Co., owner/authorized representative of the above described property, located at 376 Deercliff Road, Avon, Hartford County, Connecticut 06001 (the "Property"), as evidenced by the Land Lease Agreement, dated March 30, 1999, as it may have been amended and assigned, hereby authorize T-Mobile Northeast LLC, through its designated agent, Northeast Site Solutions, to act as an agent on my behalf for the sole purpose of consummating any building or land-use applications necessary to ensure the ability of T-Mobile Northeast LLC to use the property for the purpose of constructing, modifying and operating a communications facility. I understand that this application may be denied, modified, or approved with conditions, and that such conditions or modifications must be complied with prior to issuance of building permits.

Signature of Property Owner /
Authorized Representative:



Print Name:

David Fishman

Title:

Partner

Company:

Homeowners Finance Co.

Address:

530 Silas Deane Highway, Wethersfield, CT 06109

Telephone:

860 529 8628

Date:

7/13/22

Property at 00376 DEERCLIFF ROAD LOT1 Prop ID 2090376 Printed 16-Aug-2021 5:20 PM Design and Layout (C) Right/Angles

Administrative Information
 Owner name: HOMEOWNERS FINANCE CO
 Second name:
 Address: 530 SILAS DEANE HIGHWAY
 City/state: WETHERSFIELD CT Zip: 06109

Building Valuation Summary

Dwelling	Frame	2 story w/bsmt	Area	720	165,970
Basement	Full				
Heating	Yes	A/C Yes			5,030
Plumbing	2 F/B	H/B Add'l fix.	Wh/p	Saunas	3,600
Attic	Unfinished		Attic size: 720		9,184
Additions					23,368
Other Features	WB Stks				5,000
Sub-Total					212,152
Grade	C+	Factor 1.0800			229,124
CDU		C&D Factor 1.00			229,124
Depreciation		100 %			
Computed cost value @ 70%					

Location Information			
Map: 027	Clerk map: 16 016		
Lot: 2090376	Neigh.: Zone: RU2A	Vol: 763	Page: 084
Assessments		Exemptions	
Assmt category	Qty	Amount	Exempt Cat
Resident Land	2.00	140,000	
Resident Outbldg	2.00	2,570	
Resident Excess	.22	1,140	
Summary		Utilities	
Total assessments	143,710	Water	Well
Total exemptions		Sewer	Septic
Net assessment	143,710	Gas	None
		Last sale	
		Sale date: 20-Jul-2021	
		Sale price:	
		Sale valid: 14	
		Values	
		Mkt value :	
		Cost value: 205,300	
		Sales ratios	
		Cost/sale :	
		Mkt/sale :	
		Assmt/sale:	

Building additions

Category	Type	Area	Value
L Living Area	FRFF Frame first floor	150	12,720
L Living Area	BSMT Basement addition	150	2,048
L Living Area	FRFF Frame first floor	60	5,088
P Porches, Patios, Decks	UTIL Utility building	150	3,174
L Living Area	AIR Air conditioning	150	338
Total additions			23,368

Land Information

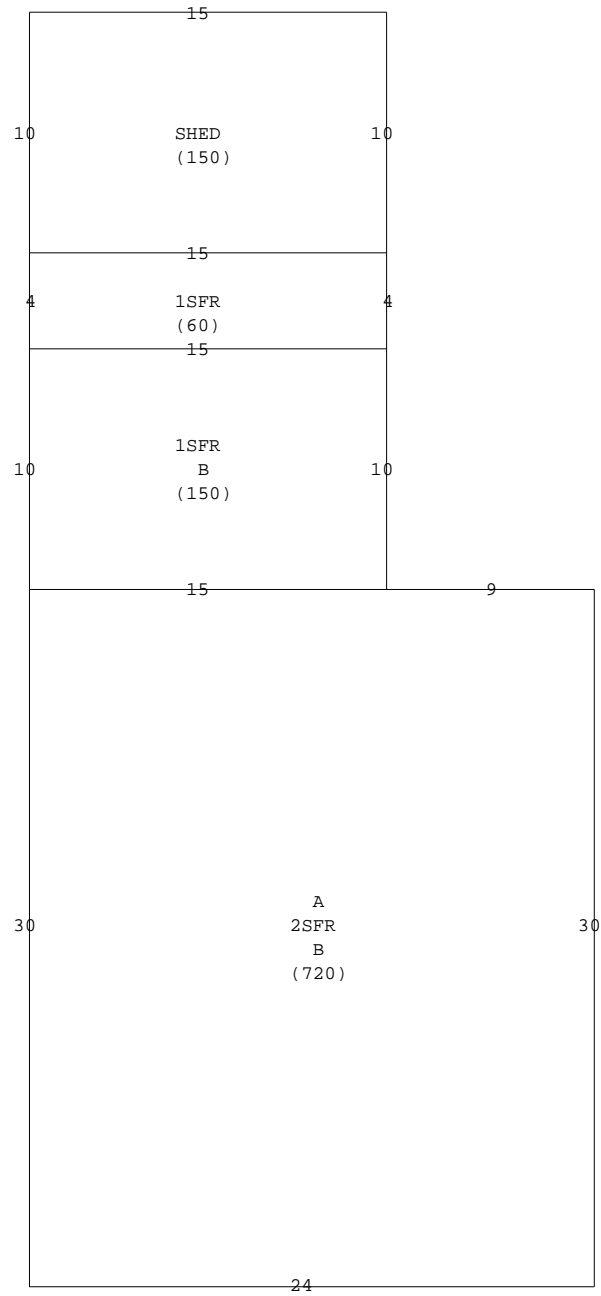
Type	Use	Acres/SqFt	Rate	Total	Infl Fact	Value	70% Value
PRIM	11	2.000	200,000	200,000		200,000	140,000
Primary Site		87,120					
RES	12	.217	7,500	1,628		1,628	1,140
Residual		9,453					
2.217 acres				Total land value		201,628	141,140

Residential Dwelling Information

Subject	Code	Description	Condominium	
Style	17	Old style		
Exterior Walls	04	Vinyl Siding		
Roof Material	01	Asphalt Shingles	Story Height 2.0	
Roof Type	01	Gable		
Foundation	01	Poured Concrete	Total Rooms	8
Interior Walls	01	Plaster	Garage cars	2
Floors	Unknown		Bedrooms	4
Heating System	02	Forced Hot Air	Family Rooms	
Fuel	01	Oil	Full Baths	2
Attic	02	Unfinished	Half Baths	
Grade	33	C+	Addtn'l fixtures	
Garage	32	Detached 2 car	Whirlpools	
Area Over Gar.	99	None	Saunas	
Basement	01	Full	# Living Units	1
Bsmt Fin Qual	01	Unfinished	M/F stacks	
Air Condition	01	Central Air	W/B stacks	1
Interior Cond	05	Good	W/B openings	1
Exterior Cond	05	Good	Actual Year Built: 1807	

Outbuilding Information

Description	Wid	Len	Area	Rate	Year	Cnd	RCN	Depr	Value	
RG1 Frame or Con	24	40	960	29.01		C	27,850	90	2,790	
Block Detach Garage										
RS1 Frame	20	22	440	20.00		C	8,800	90	880	
Utility Shed										
			1							
Value at 70%			2,569	Value at 100%				3,670		





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

July 18, 2011

Jennifer A. Herz, Esq.
Brown Rudnick LLP
CityPlace I, 185 Asylum Street
Hartford, CT 06103

RE: **EM-T-MOBILE-004-110630** - Omnipoint Communications, as subsidiary of T-Mobile USA, Inc., notice of intent to modify an existing telecommunications facility located at 376 Deercliff Road, Avon, Connecticut.

Dear Attorney Herz:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not less than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- 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;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated June 30, 2011. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also 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.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include 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. Thank you for your attention and cooperation.

Very truly yours,

Linda Roberts
Executive Director

LR/CDM/laf

c: The Honorable Mark W. Zacchio, Chairman Town Council, Town of Avon
Brandon Robertson, Town Manager, Town of Avon
Steven V. Kushner, Town Planner, Town of Avon
Crown Castle USA, Inc.



TOWN
OF
AVON



P.O. BOX 578
60 WEST MAIN ST.
AVON, CT 06001
TEL. (203) 677-2634

November 20, 1985

CERTIFIED MAIL

Mr. Richard P. Ramirez, Managing General Partner
Astroline Communications Company Limited Partnership
18 Garden Street
Hartford, CT

Dear Mr. Ramirez:

At a Special Meeting held on Tuesday, November 19, 1985, the Planning and Zoning Commission of the Town of Avon voted as follows:

- App. #1430 - Astroline Communications Company Limited Partnership, owner/applicant, request for Special Exception under Section IV.A.4.a. of the Avon Zoning Regulations, to permit communication transmission station and tower; and under Section III.B.2.a. for waiver of height provisions, 376 Deercliff Road, 30.343 acres, Parcel Nos. 24, 25, and 26 on Assessor's Map 15, in a RU-2A Zone - APPROVED WITH CONDITIONS.
- App. #1431 - Astroline Communications Company Limited Partnership, owner/applicant, request for Special Exception under Section IV.A.4.a. of the Avon Zoning Regulations, to permit a satellite dish as part of a Communication Transmission Station, and under Section III.B.2.a. for a waiver of the height provisions, 376 Deercliff Road, 30.343 acres, Parcel Nos. 24, 25, and 26 on Assessor's Map 15, in a RU-2A Zone - APPROVED WITH CONDITIONS.
- App. #1432 - Astroline Communications Company Limited Partnership, owner/applicant, request for Site Plan Approval, communication tower and building and residence, 376 Deercliff Road, 30.343 acres, Parcel Nos. 24, 25, and 26 on Assessor's Map 15, in a RU-2A Zone - APPROVED WITH CONDITIONS.

The Commission granted approval of App. #1430, #1431 and #1432 (above) subject to the following conditions:

1. No part or portion of any tower, antenna, or other structure shall exceed a height of 750 feet above ground; and no part or portion of any tower, antenna, or other structure shall exceed a height of 1425 feet above mean sea level.
2. As proposed by the applicant in a September 30, 1985 letter, the tower shall be restricted to the use of standard red lights only. No other color lights shall be installed or illuminated and no strobe lights shall be installed or illuminated.

COPY

As proposed by the applicant in a September 30, 1985 letter, should the FAA require any other type of lighting system on the tower, the tower shall not be built. If after the tower is constructed, the FAA requires the addition of any other type of lighting system, the owner shall decrease the height of the tower to a level which would be approved for red lighting or remove the tower completely.

3. As proposed by the applicant in a September 4, 1985 letter, the existing tower, all buildings, structures and transmission facilities presently located at 580 Deercliff Road will be completely dismantled and removed from the site within 90 days of the time when broadcasting operations begin from the new tower. Further, all pavement and debris will be removed from the 580 Deercliff Road site and the disturbed area will be loamed and seeded. Prior to the issuance of any building permit to construct any portion of the tower or building, a cash bond or letter of credit in a form acceptable to the Town Attorney and in an amount acceptable to the Town Engineer shall be submitted. The Town Engineer shall determine an amount sufficient to cover all costs associated with the work required by this condition. Failure of the owner to strictly adhere to this condition will be considered a violation of this permit, and will result in appropriate enforcement action by the Town to whatever degree is necessary to eliminate the violation. This condition shall be recorded on the land records with reference to 580 Deercliff Road.
4. The building will contain no living quarters or studio facilities. No employees shall be employed at the site on a daily basis. Except for unusual occasions, such as the construction period and periods of replacement, repair or maintenance of facilities and equipment, only occasional visits by employees shall be permitted.
5. Prior to the issuance of a building permit, construction plans for the tower shall be submitted to the Town Engineer by a structural engineer. Upon completion of the tower and prior to any broadcasting or transmission, the Town Engineer shall select an independent structural engineer who shall, at the expense of the owner, conduct an inspection and structural evaluation of the tower and submit a report to the Town Engineer.
6. Noise levels from the tower and equipment, as measured at any point on the property line of the nearest abutting residence, shall not exceed the maximum allowable noise level for commercial and industrial uses at residential zone boundaries as stated in Section V of the Avon Zoning Regulations. The owner shall provide to the Town Engineer a report showing acoustic readings taken at a time when the transmission equipment, cooling equipment and all other equipment operated during normal broadcasting is in full operation. Noise levels in excess of the prescribed standards shall be considered a violation of this permit and shall require zoning enforcement action by the Town, to whatever degree is necessary to eliminate the violation.

COPY

7. As recommended by the Town Health Director, a maximum power density level is established at 0.01 mW (or $10\mu W$) per square centimeter which cannot be exceeded at any frequency by any radiation source on the tower or building or equipment on the site, singly or in combination with other sources on the tower, as measured at the nearest part of the nearest abutting residential property.

The owner shall submit reports of field measurements of this radiation level in order to verify compliance with this condition. An initial report is required within 30 days after the transmission facility begins operation, and subsequent reports shall be filed with the Town on a quarterly basis.

Failure to file the required reports shall be considered a violation of this permit and shall require zoning enforcement action by the Town.

Measurements in excess of the established level shall be considered a violation and shall require zoning enforcement action by the Town to whatever degree necessary to eliminate the violation.

8. The owner shall provide from beginning of construction forward a convenient means of access acceptable to the Chief of Police. That access shall allow police, fire, ambulance and other emergency vehicles to drive up to the building and tower base. It shall also allow police and fire personnel and other emergency personnel access to all parts of the building, tower base and guy anchors.

9. All deliveries to the site of materials and equipment associated with construction shall occur between 9:00 AM and 4:00 PM on Mondays through Fridays which are not legal holidays in order not to conflict with heavy traffic. All construction work shall occur between the hours of 7:00 AM and 5:00 PM on the same days, so as not to unduly inconvenience neighbors.

10. The owner shall provide reasonable space on the tower and in the building for such communications equipment that the Town determines is appropriate for the public safety of the residents.

11. These approvals shall take effect upon December 1, 1985, unless before that date the Town Attorney notifies the Commission that one of the above conditions is illegal or unenforceable.

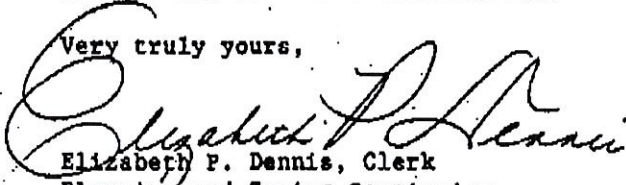
Please note, additionally, that prior to your Special Exception Applications (App. #1430 and #1431) becoming effective, a certified copy must be filed with the Town Clerk. The filing fee is \$5 per page. Please fill in the enclosed form and return it to this office for the Chairman's signature.

COPY

Mr. Richard P. Ramirez
November 20, 1985
Page Four

Upon compliance with the above conditions, the Chairman of the Planning and Zoning Commission has been authorized to sign the mylar maps for filing. The mylar maps must be signed and on file prior to the issuance of any building permits for the above construction.

Very truly yours,


Elizabeth P. Dennis, Clerk
Planning and Zoning Commission

cc: Mark Oland, Esq.
William Richter
Robert C. Hunt, Jr., Esq.

Enclosure

COPY

TOWN
OF
AVON



P.O. BOX 578
60 WEST MAIN ST.
AVON, CT 06001
TEL. (203) 677-2634

December 15, 1986

CERTIFIED MAIL

Mr. Richard P. Ramirez, Managing General Partner
Astroline Communications Company Limited Partnership
18 Garden Street
Hartford, CT

Dear Mr. Ramirez:

At a meeting held on Tuesday, December 9, 1986, the Planning and Zoning Commission of the Town of Avon voted as follows:

- App. #1525 - Astroline Company, owner, Astroline Communications Company Limited Partnership, applicant, request for Special Exception under Sections IV.A.4.a. and III.B.2.a. of the Avon Zoning Regulations to permit modification of condition No. 1 of the approval of Applications #1430 and #1431 to provide: the total height of any tower, antenna, or other structure shall be no less than 625 feet above ground nor any higher than 750 feet above ground; ~~the total height of any tower, antenna, or other structure shall be no less than 1300 feet above mean sea level nor any higher than 1425 feet above mean sea level,~~ 376 Deercliff Road, 30.343 acres, in a RU-2A Zone - APPROVED.
- App. #1526 - Astroline Company, owner, Astroline Communications Company, Limited Partnership, applicant, request for Modification to Site Plan Approval (App. #1432) communication tower, building and residence, 376 Deercliff Road, 30.343 acres, in a RU-2A Zone - APPROVED.

Please note that prior to your Special Exception becoming effective, a certified copy must be filed with the Town Clerk. The fee is \$5. Please fill in the enclosed form and return it to this office for the Chairman's signature.

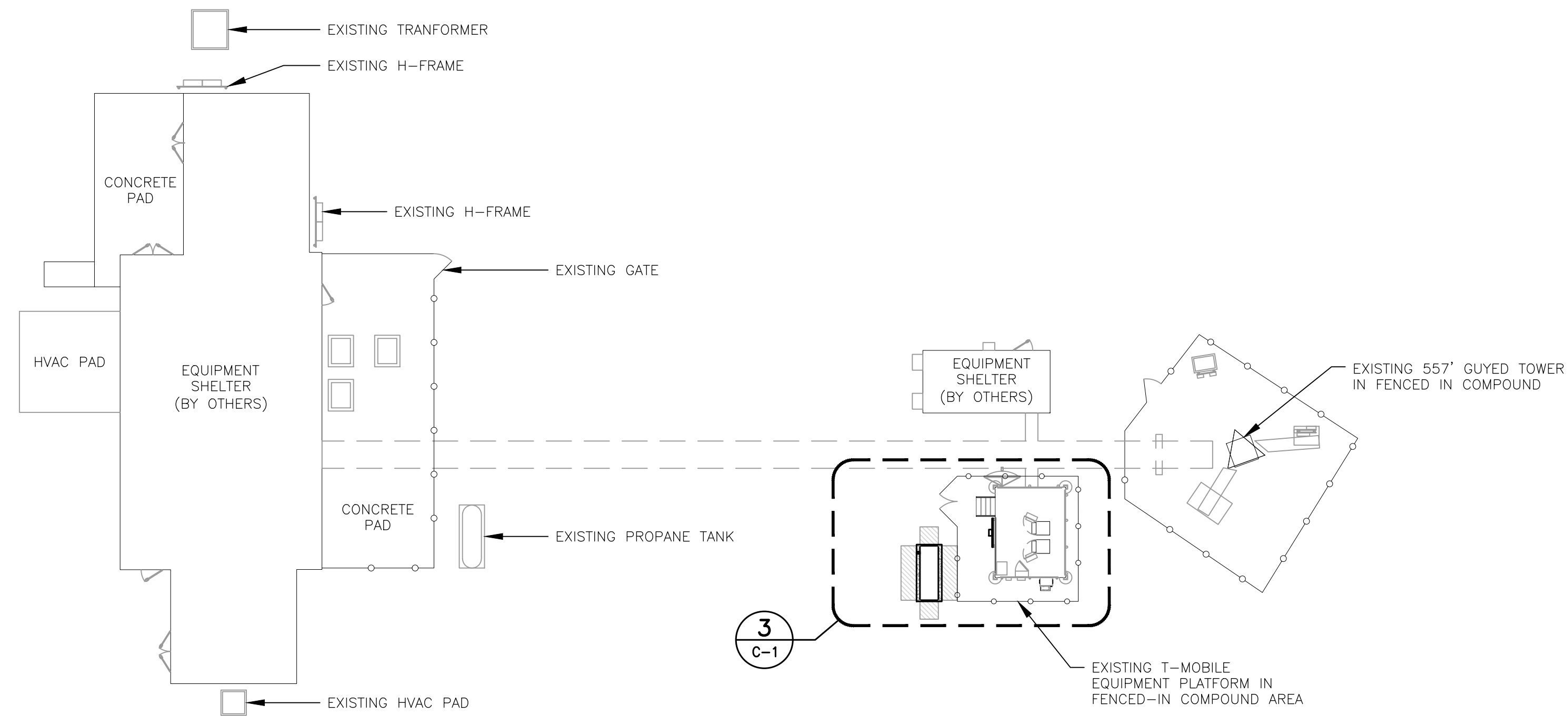
Very truly yours,

Elizabeth P. Dennis, Clerk
Planning and Zoning Commission

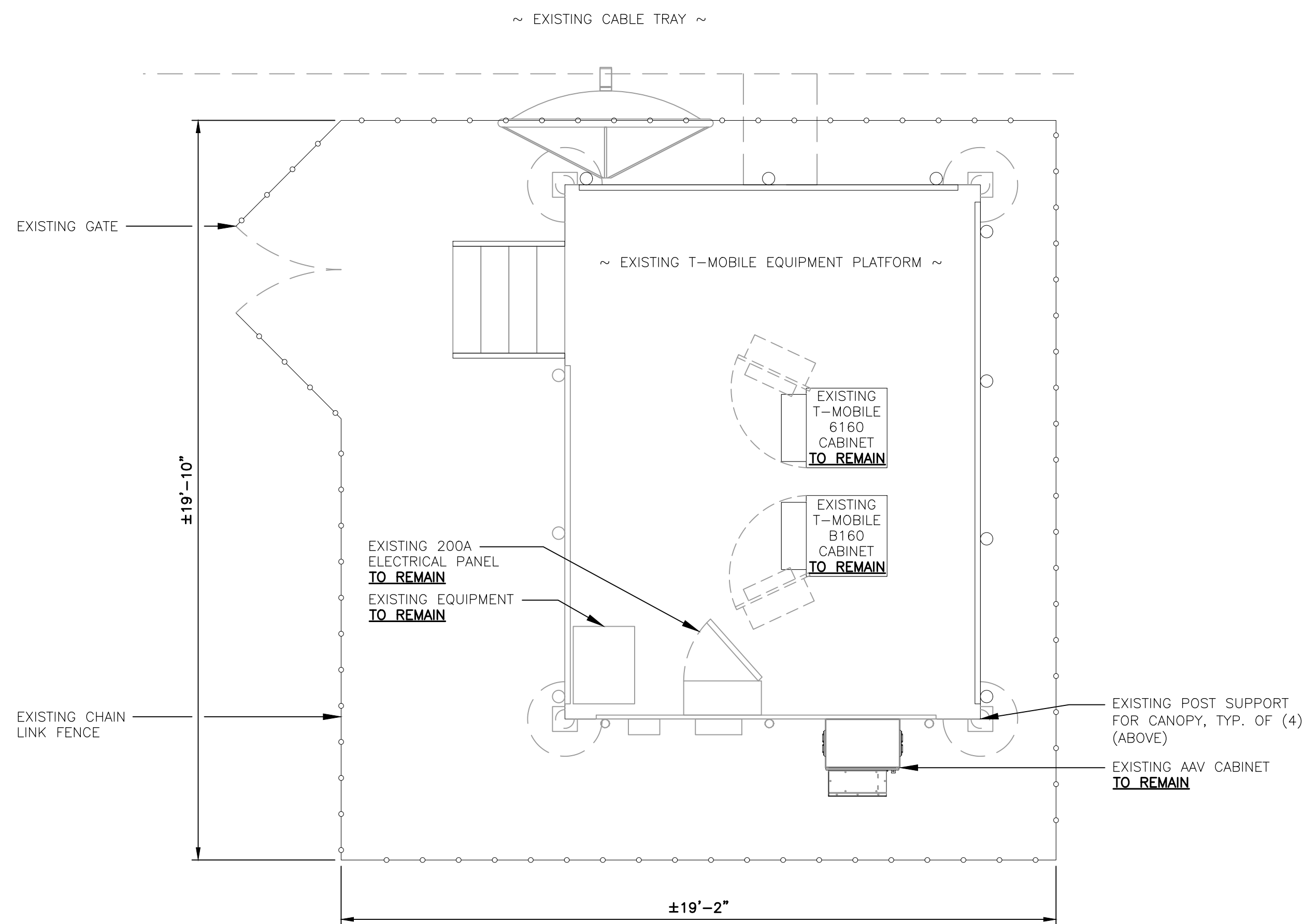
Enclosure

cc: Building Dept.
Assessor
M. Oland, Esq.

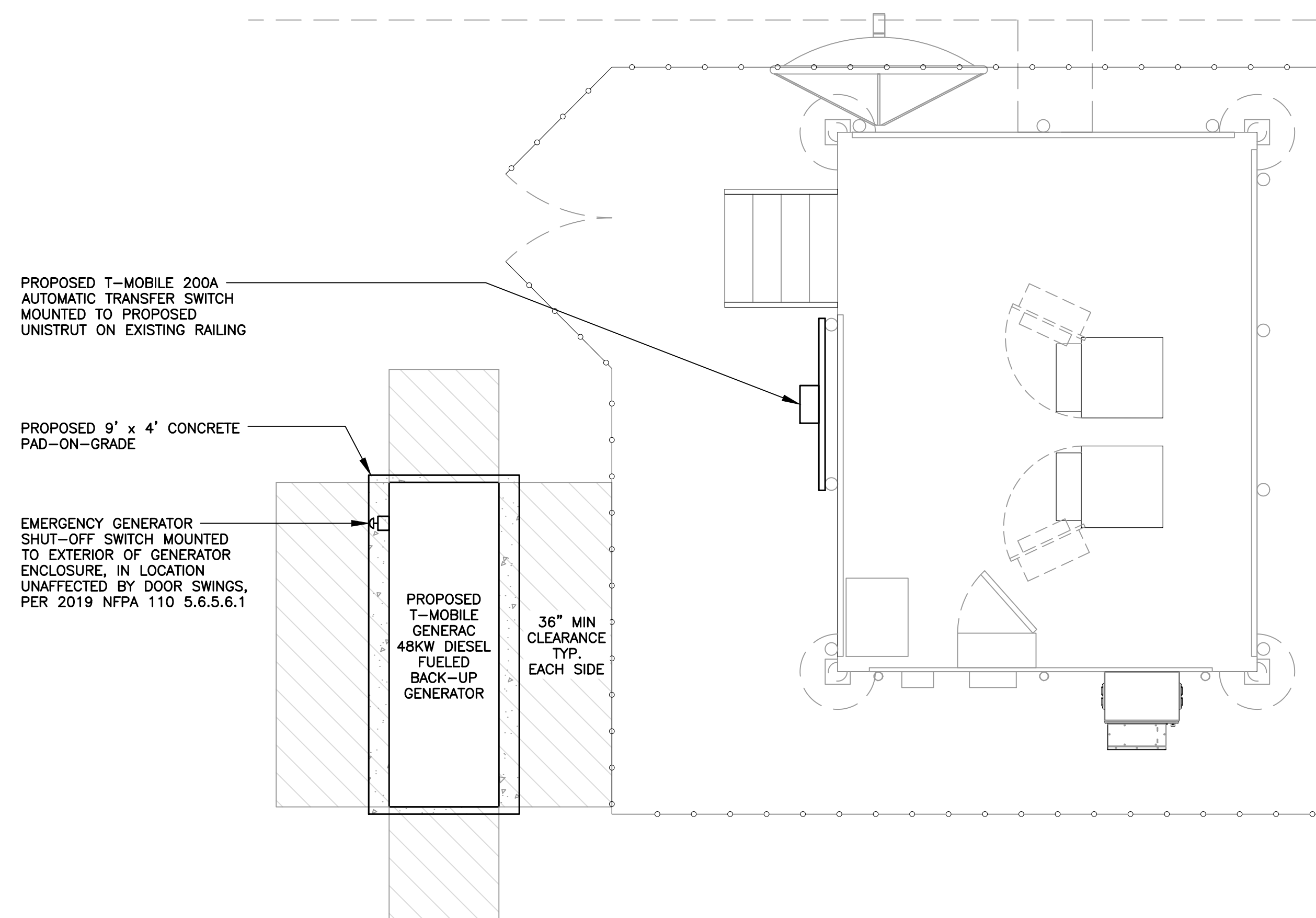
COPY



1 **COMPOUND PLAN - PROPOSED**
 C-1 SCALE: 1/16" = 1' TRUE NORTH

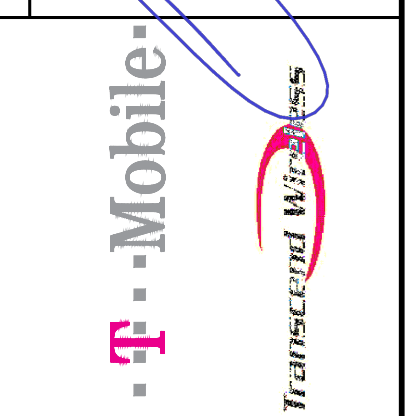
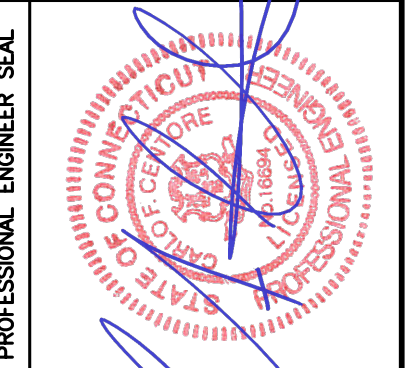


2 **EQUIPMENT PLAN - EXISTING**
 C-1 SCALE: 3/8" = 1' TRUE NORTH



3 **EQUIPMENT PLAN - PROPOSED**
 C-1 SCALE: 3/8" = 1' TRUE NORTH

REV.	DATE	BY	DESCRIPTION
0	02/16/22	JLD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION



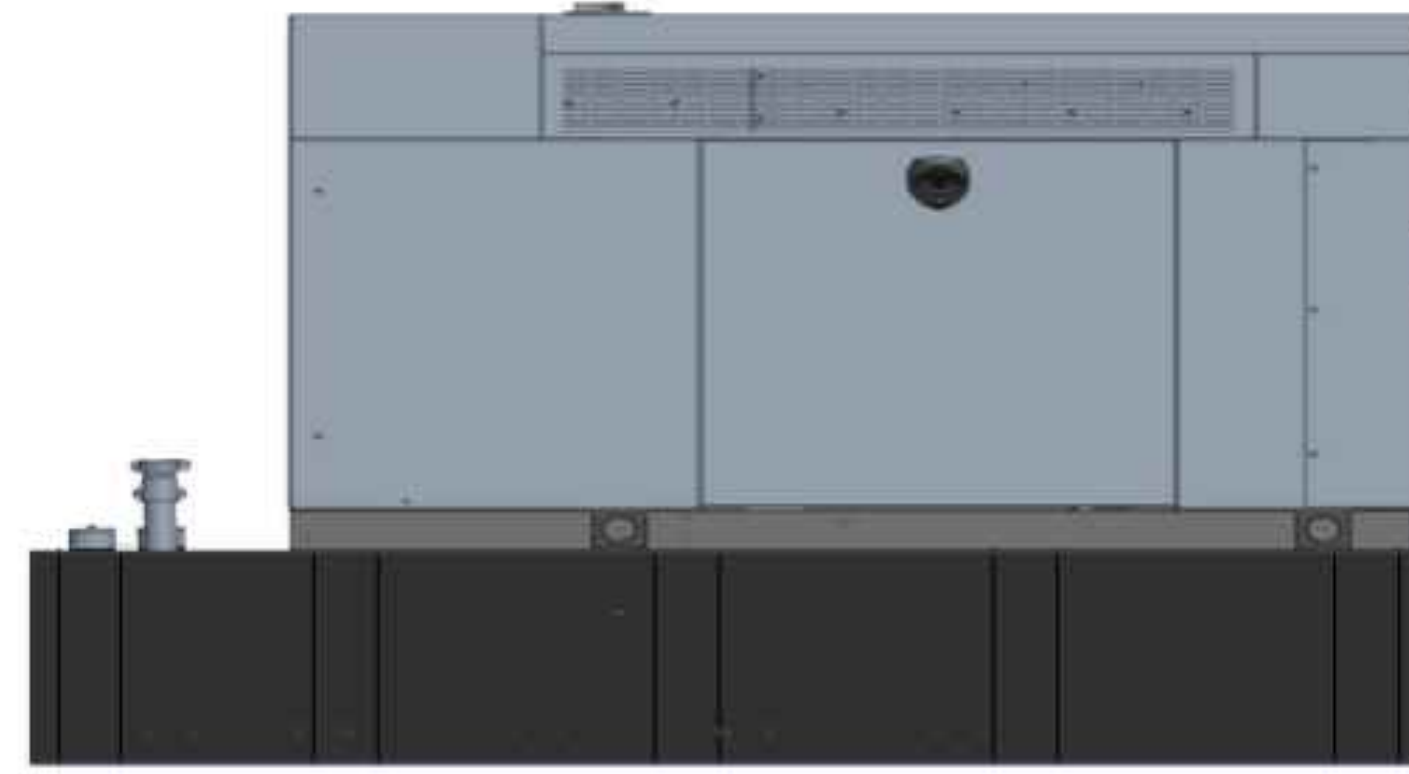
CENTEK engineering
 Centered on Solutions
 (203) 488-0580
 (203) 488-5557 Fax
 652 North Branford Road
 Branford, CT 06465
 www.CentekEng.com

T-MOBILE NORTHEAST LLC
 SITE NAME: FARMINGTON/RT10
 SITE ID: CT11376A
 376 DEERCLIFF RD
 AVON, CT 06001

DATE: 01/28/22
 SCALE: AS NOTED
 JOB NO. 22015.03

COMPOUND PLAN
 AND EQUIPMENT
 PLANS

C-1
 Sheet No. 3 of 6



BACKUP POWER GENERATOR						
EQUIPMENT	POWER GENERATED	FUEL	MODEL NUMBER	FUEL TANK SIZE (GAL)	DIMENSIONS	WEIGHT
MAKE: GENERAC MODEL: RD48	48 KW, AC	DIESEL	7194	229	103.4"L x 35.0"W x 91.7"H	2915 LBS.

NOTES:

- FUEL LEVEL/SECONDARY CONTAINMENT SHALL BE ALARMED AND IN COMMUNICATION WITH T-MOBILE'S NOC.
- CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION AND ALL OPTIONAL FEATURES WITH T-MOBILE'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

1 PROPOSED GENERATOR DETAIL
C-2 SCALE: NOT TO SCALE



NFPA 704 HAZARD ID LEGEND:
 RED: FLAMMABILITY
 BLUE: HEALTH
 YELLOW: REACTIVITY
 WHITE: BLANK

SIGN NAME: REGULATORY, NFPA 704 HAZARD ID
DESCRIPTION: MOUNT ON GENERATOR ACCESS DOOR. CONSULT WITH GENERATOR MANUFACTURER MSDS SHEET FOR BLUE AND RES POSITIONS
NOTES:

- SIGNS EXPOSED TO WEATHER SHOULD BE CHECKED ANNUALLY FOR READABILITY.
- SIGNS MUST BE UPDATED IF CHEMICAL STORAGE OR HAZARD INFORMATION FOR THE LOCATION CHANGES.
- THE GC MUST REVIEW WITH LOCAL JURISDICTION WHEN FILLING FOR PERMITS, AS EACH JURISDICTION MAY HAVE DIFFERENT REQUIREMENTS AND COMPLY WITH POSTING REQUIREMENTS OR DIRECTIVES FROM THE LOCAL JURISDICTION.

2 NFPA 704 DIAMOND SIGNAGE DETAIL
C-2 SCALE: NOT TO SCALE

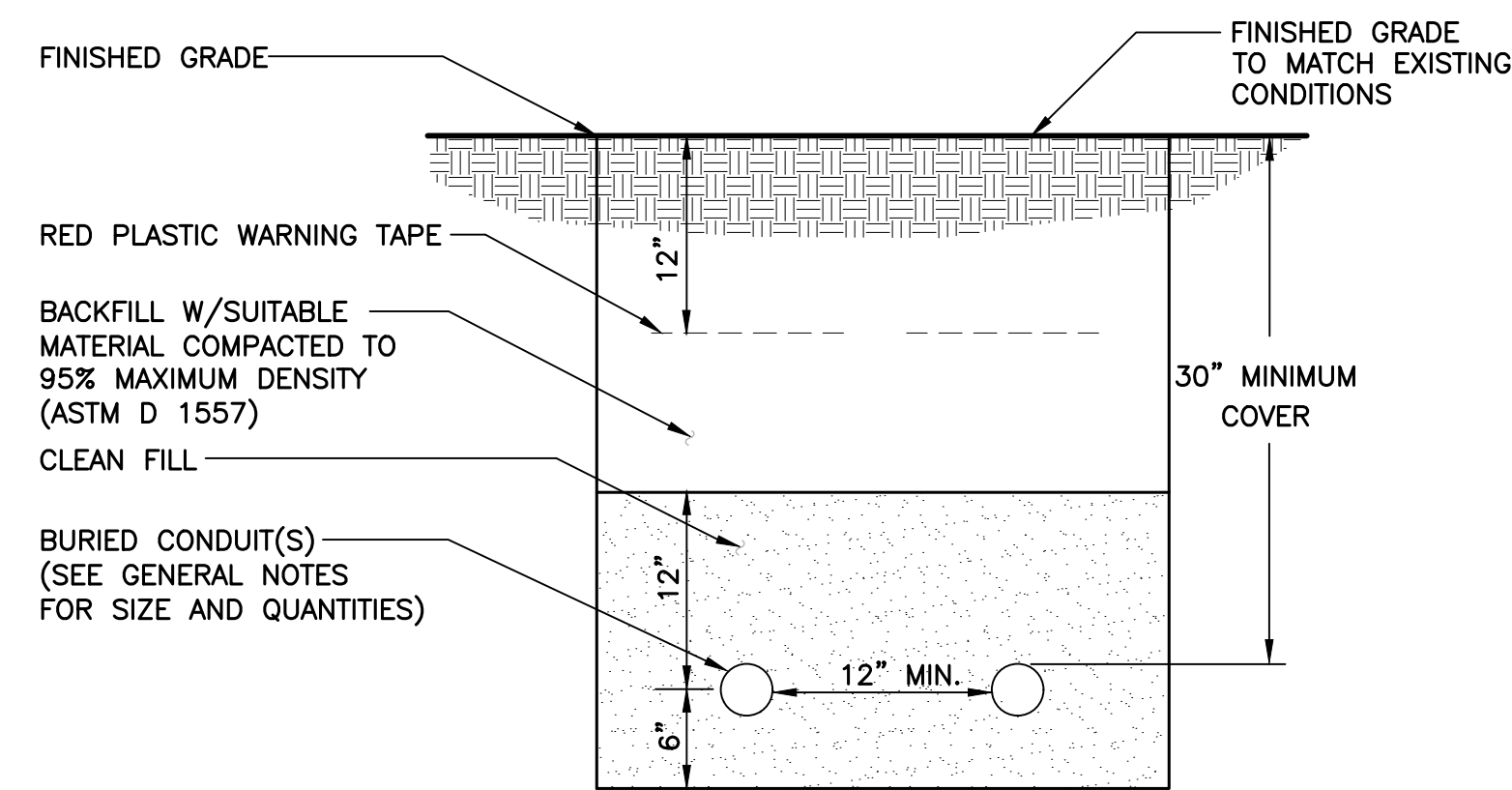


AUTOMATIC TRANSFER SWITCH					
EQUIPMENT	PHASE	VOLTAGE	ENCLOSURE	AMP	DIMENSIONS
MAKE: GENERAC MODEL: RXSC200A3	1-PHASE	120/240	NEMA-3R	200	17.3"L x 12.5"W

NOTES:

- CONTRACTOR TO COORDINATE FINAL LOCATION AND MOUNTING CONFIGURATION OF THE AUTOMATIC TRANSFER SWITCH INSTALLATION.

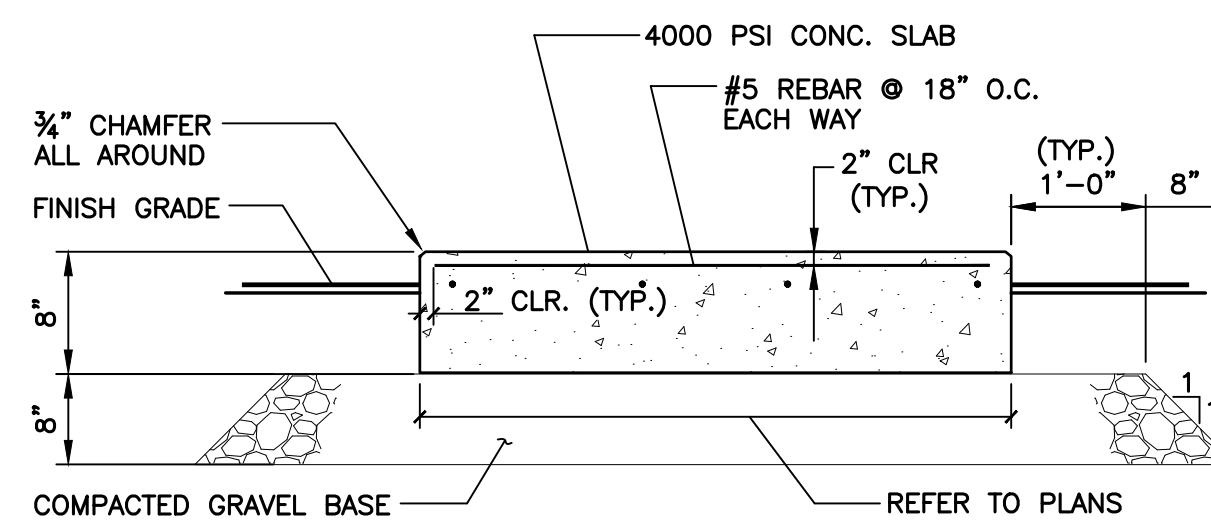
3 AUTOMATIC TRANSFER SWITCH DETAIL
C-2 SCALE: NOT TO SCALE



NOTES:

- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
- WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

4 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-2 SCALE: NOT TO SCALE



5 TYPICAL CONCRETE PAD DETAIL
C-2 SCALE: NOT TO SCALE

REV.	DATE	BY	DESCRIPTION
0	02/16/22	JLD	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
		BRW	DESCRIPTION

PROFESSIONAL ENGINEER SEAL

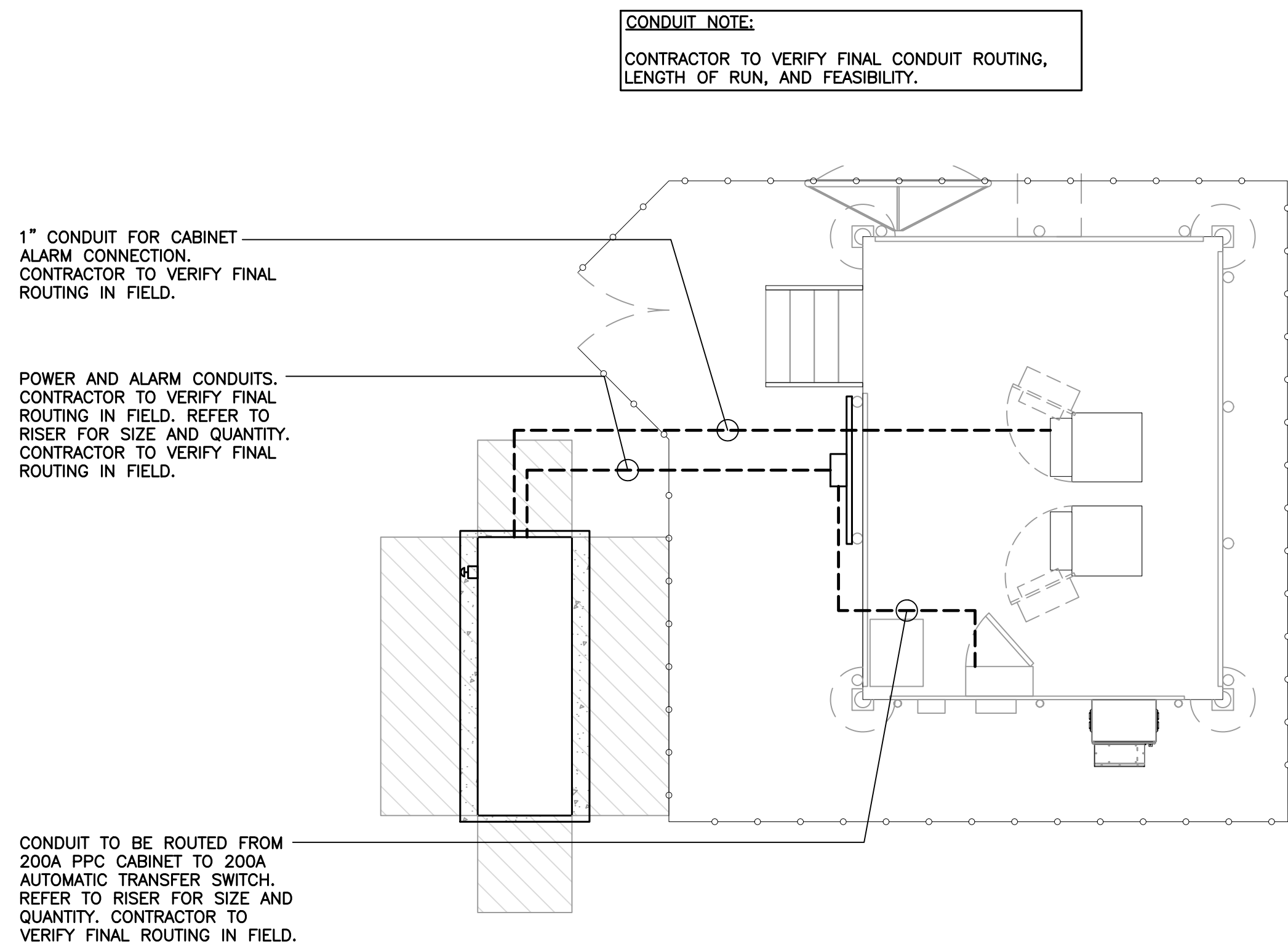
T-Mobile
 T-Mobile
 T-Mobile

CENTEK engineering
 Centered on Solutions
 (203) 488-0580
 (203) 488-5587 Fax
 652 North Branford Road
 Branford, CT 06405
 www.CentekEng.com

T-MOBILE NORTHEAST LLC
 SITE NAME: FARMINGTON/RT10
 SITE ID: CT11376A
 376 DEERCLIFF RD
 AVON, CT 06001

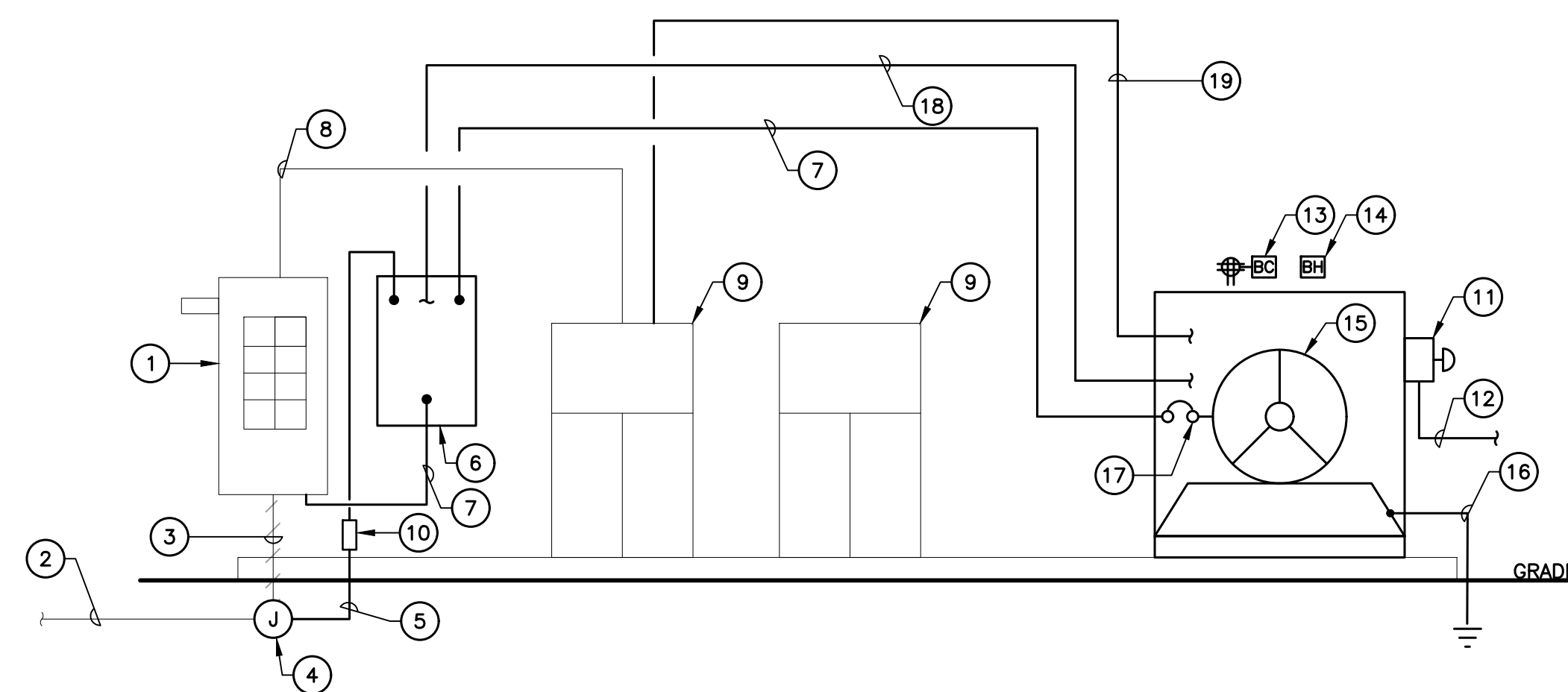
DATE: 01/28/22
 SCALE: AS NOTED
 JOB NO. 22015.03

TYPICAL EQUIPMENT DETAILS



1 ELECTRICAL CONDUIT ROUTING PLAN
E-1 SCALE: 1/4" = 1'

RISER DIAGRAM NOTES	RISER DIAGRAM NOTES
<ul style="list-style-type: none"> ① EXISTING PPC CABINET TO REMAIN. ② EXISTING POWER CONDUIT AND CONDUCTORS PREVIOUSLY SERVING EXISTING PANEL. ③ SECTION OF CONDUIT AND CONDUCTORS TO BE REMOVED. ④ JUNCTION BOX SIZED PER NEC. ⑤ EXTEND EXISTING CONDUITS AND CONDUCTORS TO NEW ATS. ⑥ NEW 200A, 2 SOURCE AUTOMATIC TRANSFER SWITCH. ⑦ (3) #3/0 AWG, (1) #6 AWG GROUND, 2-1/2" CONDUIT. ⑧ EXISTING CONDUITS AND CONDUCTORS TO REMAIN ⑨ EXISTING EQUIPMENT CABINETS TO REMAIN. ⑩ EXPANSION COUPLING TYPICAL. 	<ul style="list-style-type: none"> ⑪ REMOTE GENERATOR SHUT OFF SWITCH IN BREAK GLASS ENCLOSURE MOUNTED TO EXTERIOR OF GENERATOR ENCLOSURE PER 2019 NFPA 110 5.6.5.6.1. ⑫ 3/4" CONDUIT AND CONDUCTORS REQUIRED FOR PROPER OPERATION OF EMERGENCY GENERATOR SHUT OFF SWITCH. ⑬ GENERATOR BATTERY CHARGER AND CONVENIENCE GFCI OUTLET WIRED TO EXISTING PANEL. OUTLET TO BE MOUNTED IN WEATHERPROOF ENCLOSURE. ⑭ GENERATOR BLOCK HEATER WIRED TO EXISTING PANEL SERVING T-MOBILE EQUIPMENT. ⑮ EMERGENCY BACK UP GENERATOR. ⑯ GENERATOR GROUNDING PER NEC AND MANUFACTURER'S REQUIREMENTS. BOND TO EXISTING GROUNDING SYSTEM. (MINIMUM OF (1) #2 AWG GROUND) ⑰ GENERATOR OUTPUT CIRCUIT BREAKER. ⑱ 1" CONDUIT FOR GENERATOR CONTROL AND SIGNAL WIRING. ⑲ 1" CONDUIT FOR CABINET ALARM CONNECTION



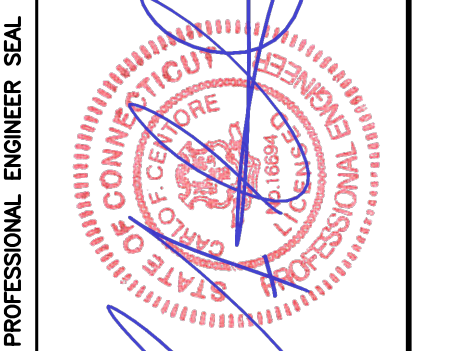
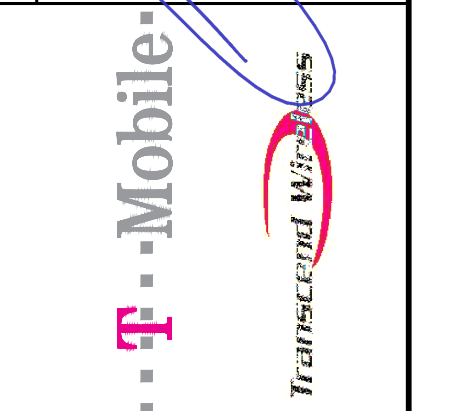
2 ELECTRICAL RISER DIAGRAM
E-1 SCALE: NOT TO SCALE

T-MOBILE NORTHEAST LLC
SITE NAME: FARMINGTON/FTTO
SITE ID: CT11376A
376 DEERCLIFF RD
AVON, CT 06001

DATE: 01/28/22
SCALE: AS NOTED
JOB NO. 22015.03

ELECTRICAL RISER
DIAGRAM AND
CONDUIT ROUTING

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-5587 Fax
652 North Branford Road
Branford, CT 06465
www.CentekEng.com



REV.	DATE	BY	DESCRIPTION
0	02/16/22	JLD	ISSUED FOR CONSTRUCTION
		BRW	CHK'D BY

Protector™ Series

Diesel Generator Set

INCLUDES:

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

Standby Power Rating

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



QUIET-TEST™



*Built in the USA using domestic and foreign parts

Meets EPA Emission Regulations
CA/MA Emissions Compliant

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

FEATURES

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

15 • 20 • 30 • 48 • 50 kW**application & engineering data****GENERATOR SPECIFICATIONS**

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

VOLTAGE REGULATION

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

GOVERNOR SPECIFICATIONS

Type	Electronic Isochronous
Steady State Regulation	± 0.25%

ELECTRICAL SYSTEM

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

GENERATOR FEATURES

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

ENCLOSURE FEATURES

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

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

15 • 20 • 30 • 48 • 50 kW

application & engineering data

ENGINE SPECIFICATIONS: 15 & 20 kW

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

ENGINE SPECIFICATIONS: 30 kW

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

ENGINE SPECIFICATIONS: 48/50 kW

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

WEIGHTS AND DIMENSIONS

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

ENGINE LUBRICATION SYSTEM

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

ENGINE COOLING SYSTEM

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

FUEL SYSTEM

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

TANK SPECIFICATIONS

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

15 • 20 • 30 • 48 • 50 kW

operating data

GENERATOR OUTPUT VOLTAGE/kW - 60 Hz

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

SURGE CAPACITY IN AMPS

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

ENGINE FUEL CONSUMPTION

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

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

15 • 20 • 30 • 48 • 50 kW

operating data

ENGINE COOLING

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

COMBUSTION REQUIREMENTS

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

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

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

EXHAUST

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

ENGINE PARAMETERS

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

POWER ADJUSTMENT FOR AMBIENT CONDITIONS

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

CONTROLLER FEATURES

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

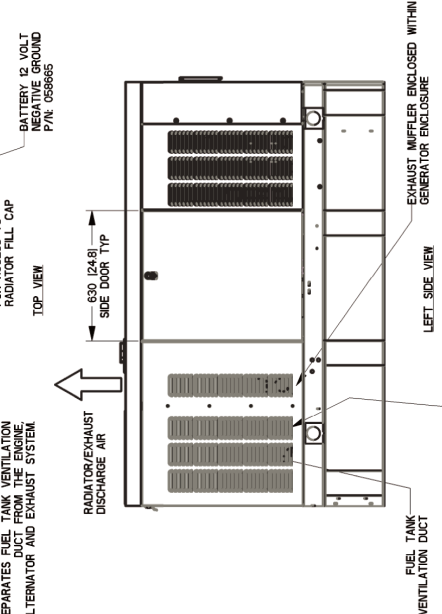
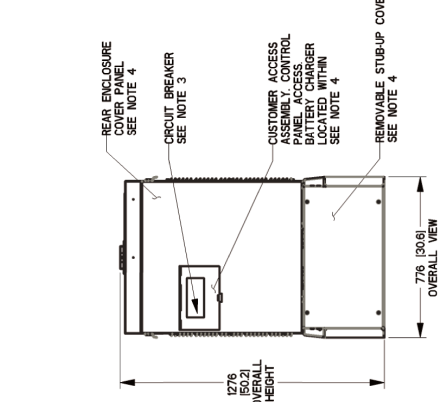
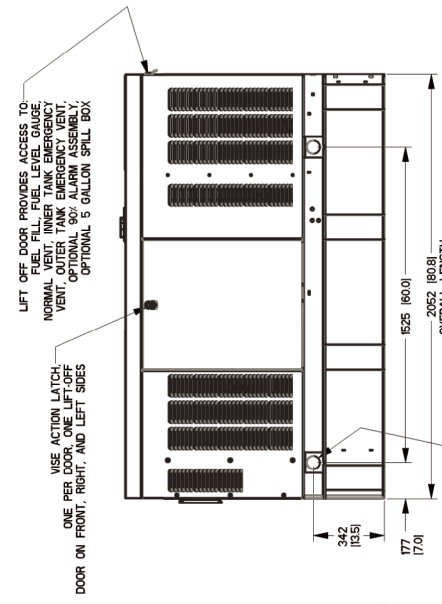
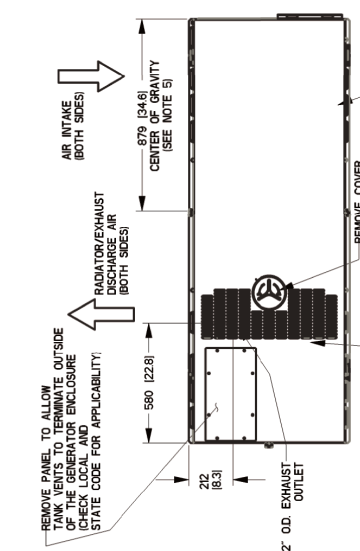
15 & 20 kW

Drawing #0K7025-C (1 of 2)

- NOTES:**
- MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1082 (457) WIDE X .2865 (837) LONG. REFERENCE INSTALLATION GUIDE SUPPLIED WITH UNIT FOR CONCRETE PAD GUIDELINES.
 - ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICING. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT ELECTRICAL CODES, LOCAL AND NATIONAL ELECTRICAL CODES, AND ALL OTHER FEDERAL, STATE, AND LOCAL CODES.
 - CONTROL PANEL / CIRCUIT BREAKER INFORMATION
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL FOR ACCESS TO REAR ENCLOSURE COVER PANEL TO ACCESS THE STUBUP AREAS AS FOLLOWS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (105 AMP MAX) CONNECTION
 - REMOVE THE REAR STUBUP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUBUP AREAS AS FOLLOWS:
 - TRIP UNIT AND BATTERY CHARGER CONTROL WIRES
 - TRIP UNIT AND ACCESSORY RELAY CONNECTION (ITY 4)
 - TRIP UNIT AND ACCESSORY RELAY CONNECTION (ITY 4)
 - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND EXHAUST SYSTEM MUST BE MAINTAINED AT PRESSURE 2.0 INCHES H₂O.
 - REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
 - MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS).
 - FOR FRESH AIR INTAKE, AIR DISCHARGE, AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW RESTRICTION REQUIREMENTS.
 - GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADATOR IS NOT RECIRCULATED.

SERVICE ITEM	23L	WEIGHT DATA WITH EMPTY BASETANK (SEE NOTE 5)
OIL FILL CAP	RIGHT SIDE	GENERATOR AS SHOWN 626 (1360)
OIL DIP STICK	RIGHT SIDE	WITH WOODEN SHIPPING SKID 666 (1485)
OIL FILTER	RIGHT SIDE	
OIL DRAIN HOSE	RIGHT SIDE	
RADIATOR DRAIN HOSE	LEFT SIDE	WEIGHT: KG (LBS)
COOLANT RECOVERY BOTTLE	LEFT SIDE	DIMENSIONS: MM (INCH)
RADIATOR FILL CAP ACCESS	ROOF TOP	
AIR CLEANER ELEMENT	EITHER SIDE	
MUFFLER	FRONT	
FAN BELT	EITHER SIDE	
BATTERY	LEFT SIDE	

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS.



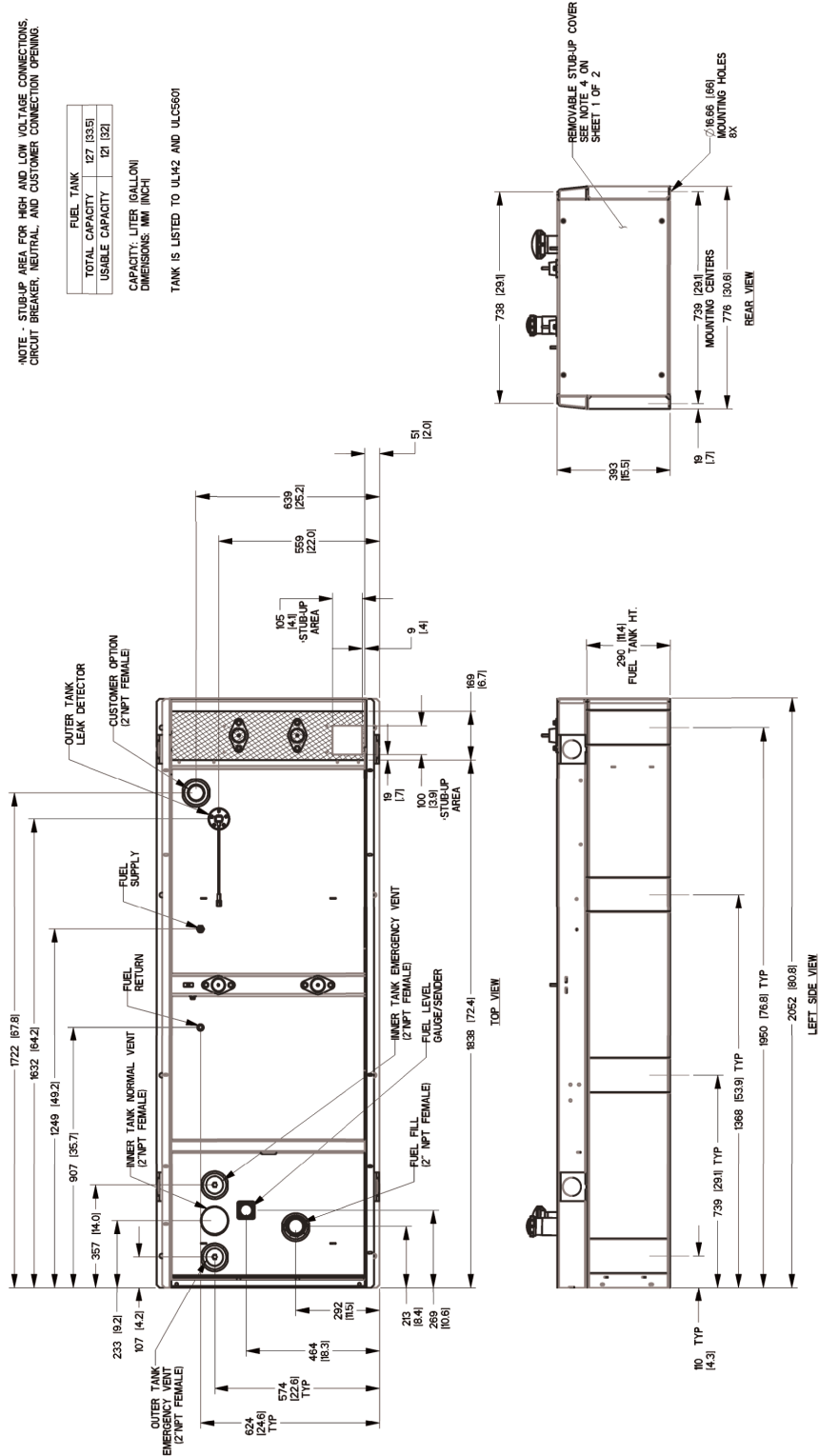
15 & 20 kW

NOTE - STUBUP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL, AND CUSTOMER CONNECTION OPENING.

FUEL TANK	
TOTAL CAPACITY	127 [33.5]
USABLE CAPACITY	121 [32]

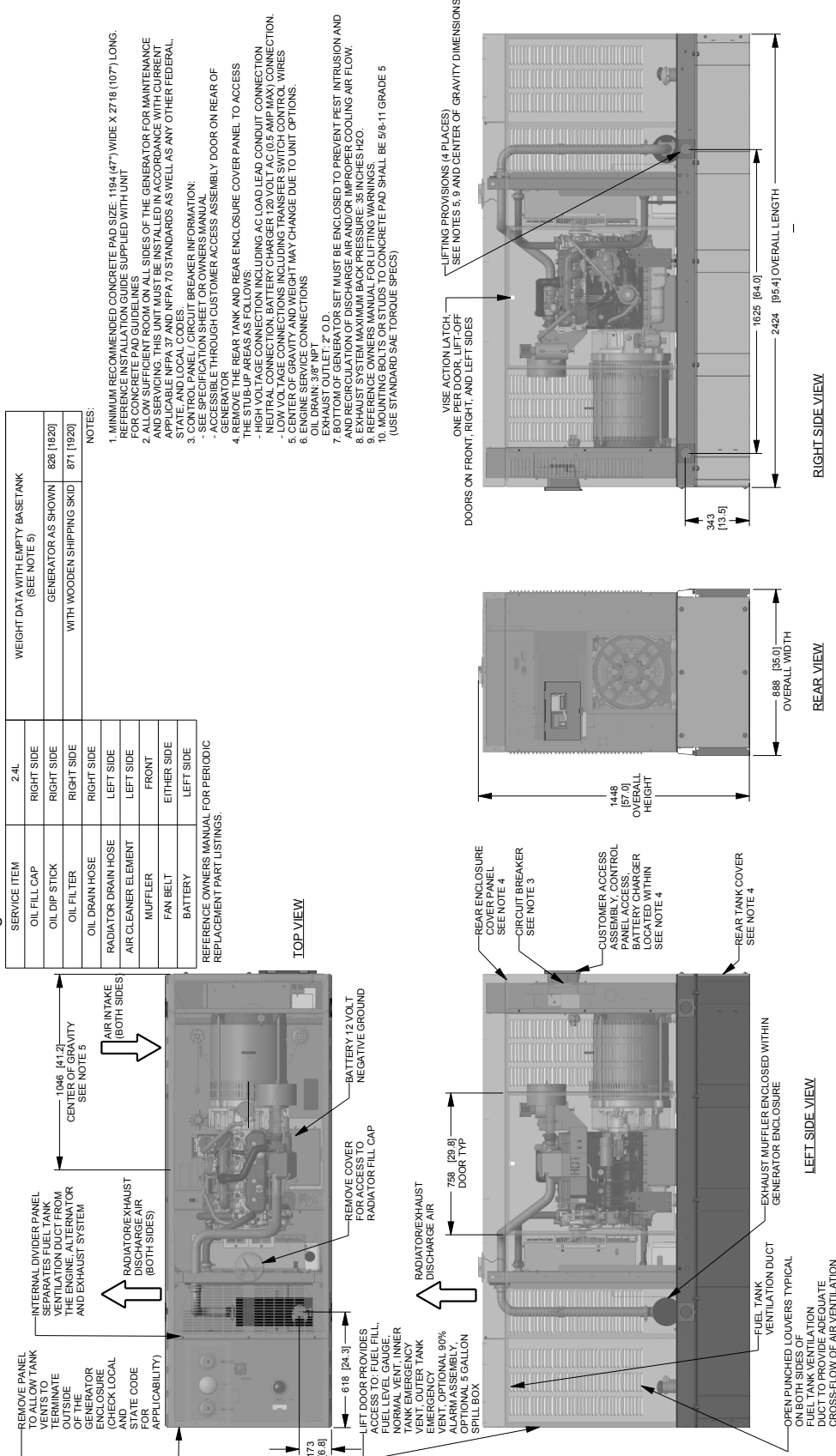
CAPACITY: LITER (GALLON)
DIMENSIONS: MM (INCH)

TANK IS LISTED TO UL142 AND ULCS601



30 kW

Drawing #0K7002-C (1 of 2)



30 kW

GENERAC®

installation layout

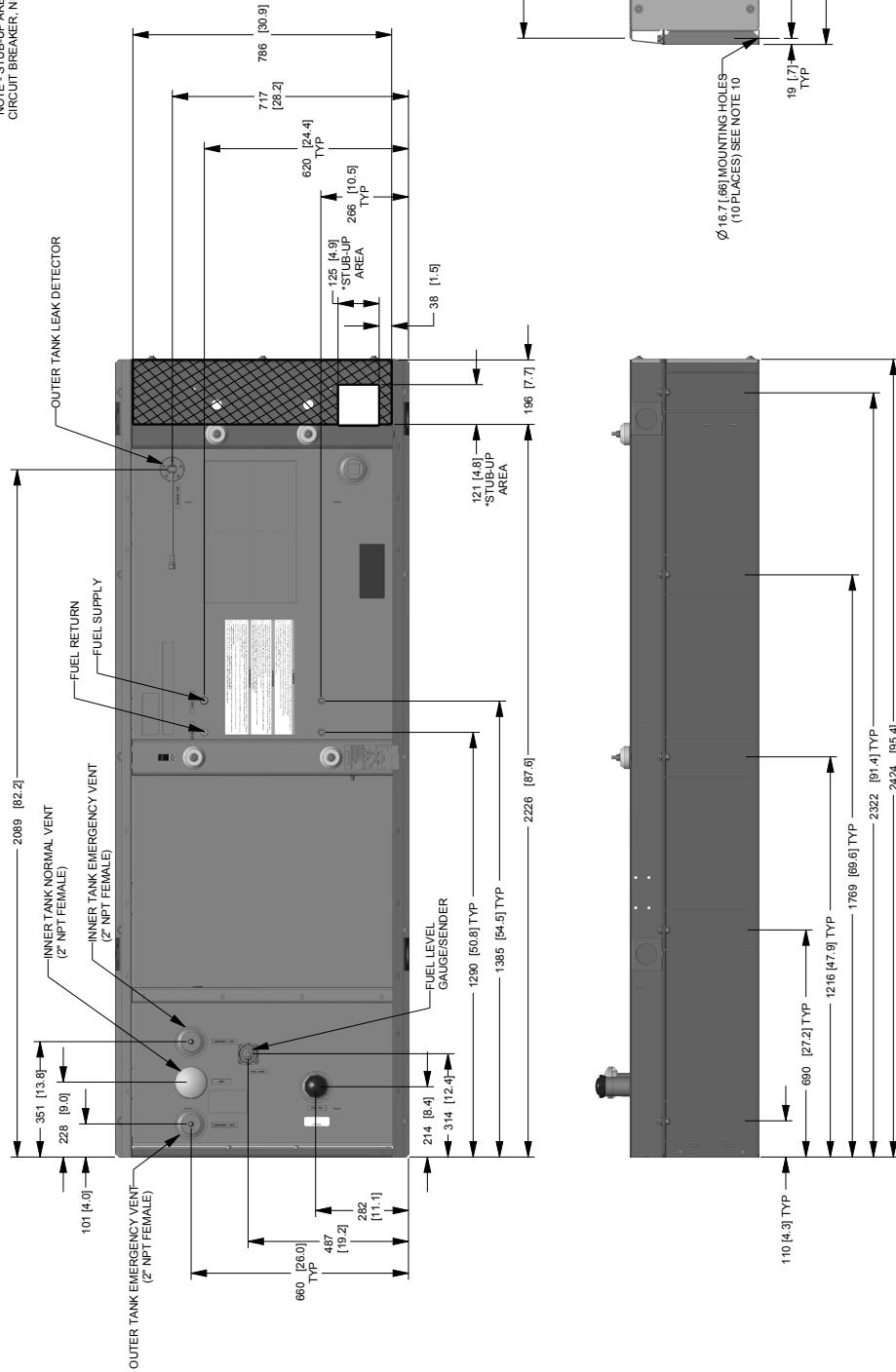
Drawing #0K7002-B (2 of 2)

Protector™ Series

9 of 12

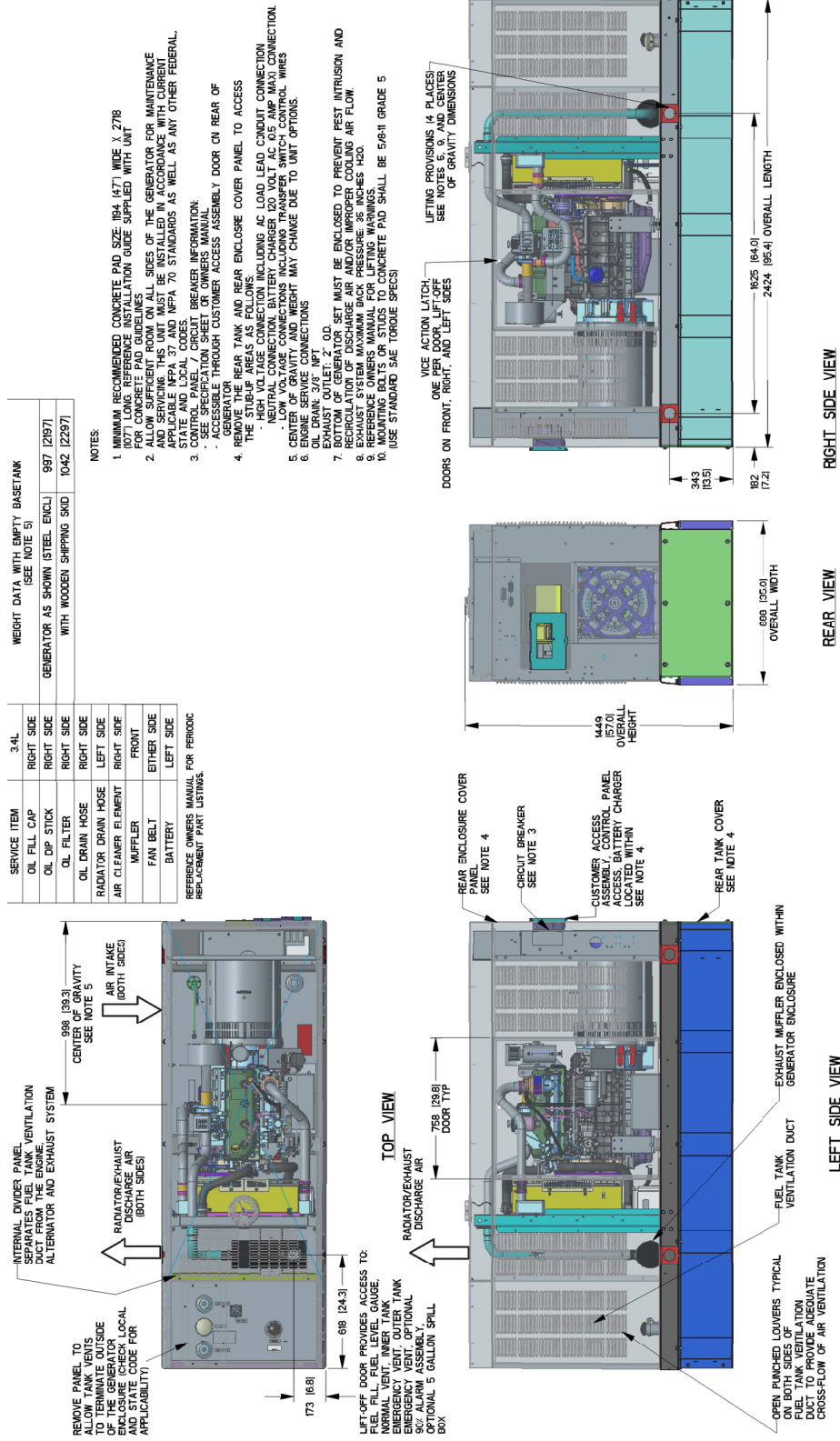
*NOTE - STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.

FUEL TANK	
TOTAL CAPACITY	233 [6.1]
USABLE CAPACITY	203 [5.5]
CAPACITY, LITER (GALLON)	
DIMENSIONS: MM (INCH)	
TANK IS LISTED TO UL142 AND UL300 C142.18	



48 & 50 kW

Drawing #0K6968-C (1 of 2)



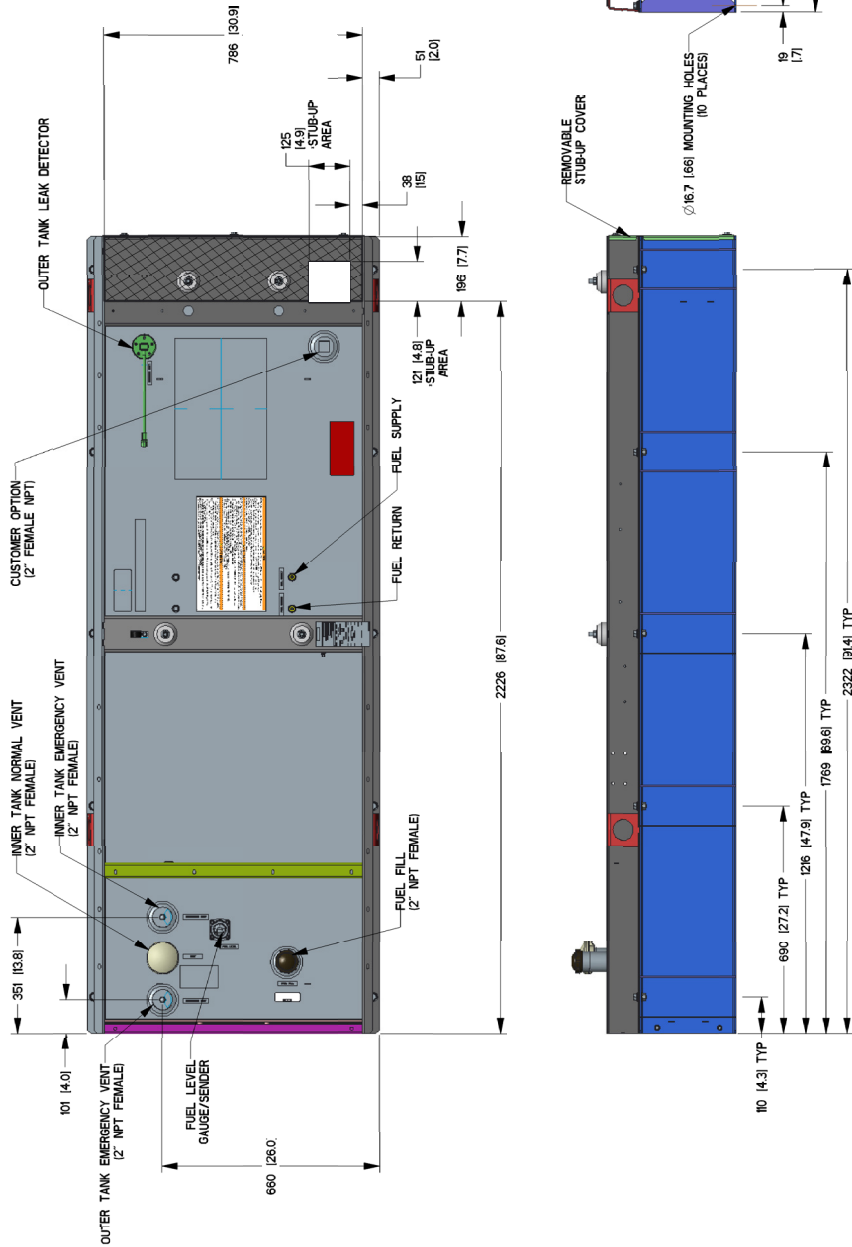
SERVICE ITEM	34.9	WEIGHT DATA WITH EMPTY BASETANK (SEE NOTE 5)
OIL FILL CAP	RIGHT SIDE	GENERATOR AS SHOWN (STEEL ENCL. WITH WOODEN SHIPPING SKID)
OIL DIP STICK	RIGHT SIDE	997 (219.7)
OIL FILTER	RIGHT SIDE	1042 (229.7)
OIL DRAIN HOSE	RIGHT SIDE	
RADIATOR DRAIN HOSE	LEFT SIDE	
AIR CLEANER ELEMENT	RIGHT SIDE	
MUFFLER	FRONT	
FAN BELT	ETHER SIDE	
BATTERY	LEFT SIDE	

- NOTES:
- MINIMUM RECOMMENDED CONCRETE PAD SIZE: 164" (4.7) WIDE X 278" (7.0) DEEP. SEE CONCRETE PAD GUIDELINES FOR CONCRETE PAD GUIDELINES.
 - ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICE. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT STATE AND LOCAL CODES.
 - CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL
 - ACCESS THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF ENCLOSURE
 - REMOVE THE REAR TANK AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CIRCUIT CONNECTION (SEE SPECIFICATION SHEET OR OWNERS MANUAL)
 - LOW VOLTAGE CONNECTIONS INCLUDING TRANSFER SWITCH CONTROL WIRES
 - ENGINE SERVICE CONNECTIONS
 - EXHAUST OUTLET: 2" OD
 - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT INTRUSION AND REDUCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 - SEE OWNERS MANUAL FOR LIFTING WARNINGS.
 - REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
 - MOUNTING BOLTS OR STUDS TO CONCRETE PAD SHALL BE 5/8"-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)

48 & 50 kW

FUEL TANK	
TOTAL CAPACITY	233 [61]
USABLE CAPACITY	209 [55]
CAPACITY: LITER (GALLONS)	
DIMENSIONS: MM (INCH)	
THIS TANK IS LISTED TO UL142 AND ULCS90	

NOTE - STUBUP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.



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

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



10 INDUSTRIAL AVENUE,
SUITE 3
MAHWAH, NJ 07430
PHONE: 201.684.0055
FAX: 201.684.0066

June 29th, 2022

***VIA USPS CERTIFIED MAIL/
RETURN RECEIPT REQUESTED***

TOWN OF AVON
60 WEST MAIN STREET (ROUTE 44)
AVON, CT 06001

**RE: Proposed Modification to Existing Wireless Telecommunications Facility at
376 Deercliff Road in Avon, CT.**

To Whom It May Concern:

I am writing to you on behalf of T-Mobile Northeast, LLC ("T-Mobile"). T-Mobile intends to file with the Connecticut Siting Council ("Council") a petition for declaratory ruling ("Petition") that a Certificate of Environmental Compatibility and Public Need is not required.

The Petition will provide details of the Existing Facility modification and explain why it will have no significant adverse environmental effect. T-Mobile proposed to install a new 48kW diesel fueled generator for emergency back-up power. To accommodate the generator and the required 3-foot clearances, T-Mobile will bump out a 9' x 4' concrete pad just outside of the compound, increasing the area by about 40 square feet.

This letter serves as notice to you as an abutting property owner pursuant to § 16-50j-40 of the Regulations of Connecticut State Agencies. T-Mobile will file the Petition on or about July 8th, 2022 and will request that the Council place the Petition on some future agenda.

You may review the Petition at the office of the Council, which is located at 10 Franklin Square, New Britain, Connecticut, 06051, or at the Office of the Town Manager at the Avon Town Hall. All inquiries should be addressed to the Council or to the undersigned.

Sincerely,

Eric Breun
Transcend Wireless
1 International Blvd. Suite 400
Mahwah, NJ 07495
ebreun@transcendwireless.com

2021 0950 0001 2887 2644 T201

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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For delivery information, visit our website at www.usps.com®.

Avon, CT 06001

OFFICIAL USE	
Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
Total Postage and Fees	\$4.33
Postmark Here JUN 29 2022 06/29/2022	
Sent To <u>Beth & Ron Kelson</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

5592 2887 2652 T201

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Avon, CT 06001

OFFICIAL USE	
Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
Total Postage and Fees	\$4.33
Postmark Here JUN 29 2022 06/29/2022	
Sent To <u>Daniel & Lorato Kash</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7021 0950 0001 2887 2686

OFFICIAL USE	
Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
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<input type="checkbox"/> Return Receipt (electronic)	\$0.00
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Sent To <u>Daniel & Lorato Kash</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

2992 2887 2682 T201

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<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
Total Postage and Fees	\$4.33
Postmark Here JUN 29 2022 06/29/2022	
Sent To <u>Meredith Corporation</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

6292 2887 2682 T201

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
Total Postage and Fees	\$4.33
Postmark Here JUN 29 2022 06/29/2022	
Sent To <u>Homeowners Assoc. Co.</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

ERIC BREJUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

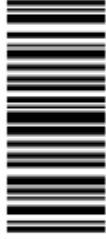
1 LBS

1 OF 1

SHIP TO:
HIRAM PECK III
60 WEST MAIN STREET
AVON CT 06001

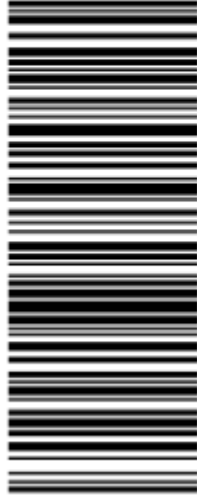


CT 067 9-03



UPS GROUND

TRACKING #: 1Z V25 742 03 9501 8850



BILLING: P/P

Reference #1: CT11376A

XOL 22.06.15 NV45 27.0A 06/2022*



TM

ERIC BREJUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
BRANDON ROBERTSON
60 WEST MAIN STREET
AVON CT 06001



CT 067 9-03



UPS GROUND

TRACKING #: 1Z V25 742 03 9730 8846



BILLING: P/P

Reference #1: CT11376A

XOL 22.06.15 NV45 27.0A 06/2022*



TM

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
HOMEOWNERS FINANCE CO
376 DEERCLIFF ROAD
AVON CT 06001



CT 067 9-03



UPS GROUND

TRACKING #: 1Z V25 742 03 9549 8878



BILLING: P/P

Reference #1: CT11376A

XOL 22.06.15 NV45 27.0A 06/2022*



TM

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
CROWN CASTLE USA
2000 CORPORATE DRIVE
CANONSBURG PA 15317

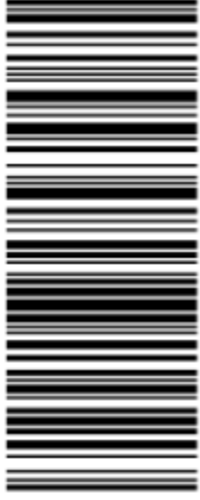


PA 153 0-10



UPS GROUND

TRACKING #: 1Z V25 742 03 9774 8862



BILLING: P/P

Reference #1: CT11376A

XOL 22.06.15 NV45 27.0A 06/2022*



TM

Review & Finish

Make sure all your changes and selections are correct before confirming your delivery change.

Tracking Number

1ZV257420395498878

Original Delivery Address

376 DEERCLIFF ROAD
AVON, CT 06001

New Delivery Address

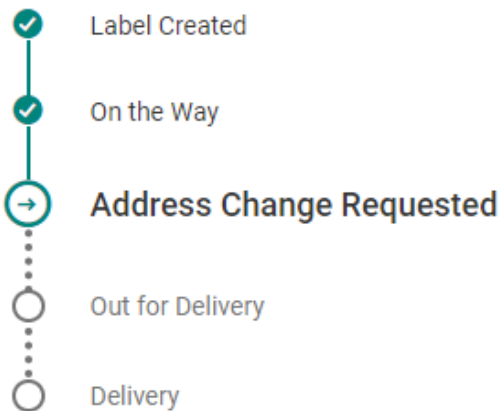
Homeowners Finance Co
530 Silas Deane Highway
HARTFORD, CT 06109
2016587728

Your shipment from

TRANSCEND WIRELESS

Estimated delivery

The delivery date will be provided as soon as possible.



Hello, your package has been delivered.

Delivery Date: Tuesday, 07/05/2022

Delivery Time: 11:09 AM

Signed by: HERROD

TRANSCEND WIRELESS

Tracking Number: [1ZV257420397748862](#)

Ship To: CROWN CASTLE USA
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: [CT11376A](#)

Hello, your package has been delivered.

Delivery Date: Friday, 07/01/2022

Delivery Time: 11:58 AM

Signed by: WORSMAN

TRANSCEND WIRELESS

Tracking Number: [1ZV257420397308846](#)

Ship To: BRANDON ROBERTSON
60 WEST MAIN STREET
AVON, CT 06001
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: [CT11376A](#)

Hello, your package has been delivered.

Delivery Date: Tuesday, 07/05/2022

Delivery Time: 11:09 AM

Signed by: HERROD

TRANSCEND WIRELESS

Tracking Number: [1ZV257420397748862](#)

Ship To: CROWN CASTLE USA
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: [CT11376A](#)