

Save Reset Cancel Help

|| (This section is required.)

Permit Type Building/Residential/Misc/Tanks Permit Number B23000794 Opened Date 03/09/2023

Description of Work SFD/ install (1) UNDERGROUND 500 gallon propane tank

check spelling

Address (This section is required.)

Search Reset Clear Get Parcel & Owner

Street # 18406 Street Name HIDDEN CREEK Street Type WAY Unit Type --Select-- Unit # X Coordinate -77.1562 Y Coordinate 39.33124 City MOUNT AIRY State MD Zip Code 21771 Primary Yes

Approved 4/11/23 AA

Parcel (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID 925309 Parcel 57 Parcel Area 1.26 Land Value 107600 Improved Value 0 Exemption Value 0 Plan Area RURAL

Legal Description LOT 1 1.269 A[]18406 HIDDEN CREEK WAY[]WINDSOR FOREST KNOLLS

check spelling

Block Lot 1 Census Tract 604001 Council Dist 5 Inspection Dist Supervisor Dist Map # DAP Zone Plan Area State Tax Id 1404373162 Subdivision Name Windsor Forest Knolls Section Area Tax Map 6 Grid Zoning District RC-DEO ADC Map 4690-E8 SDP No. Final Plan No. F-07-008 WP File No. Record Plat No. 19395-1939 WS Contract No. FDP No. Primary Yes Owner Occupied Year Built Historic District Historic District Registry No. Stat Area 4-04 Flood Plain Building No.

Owner (This section is required.)

Search Reset Clear

Name \* KHONDOKAR ANU E Address Line 1 6115 TULANE DRIVE

Address Line 2

Address Line 3

<b>Mail City</b>	<b>Mail State</b>	<b>Mail Zip Code</b>
CLARKSVILLE	MD <input type="checkbox"/>	21029
<b>Phone</b>	<b>Primary</b>	
443-256-8906	Yes <input type="checkbox"/>	
<b>E-mail</b>		
<b>Cell Number</b>		
<b>Fax Number</b>		

**Professionals** (This section is not required.)

<b>License #</b>	<b>Business Name</b>		
20100100429	DIXIE LAND ENERGY LLC		
<b>License Type</b>	<b>First Name</b>	<b>Middle Name</b>	<b>Last Name</b>
Propane Gs <input type="checkbox"/>	BASIL	STEPHEN	PERRY
<b>Primary</b>	<b>Address Line 1</b>		
Yes <input type="checkbox"/>	281 EAST MAIN STREET		
	<b>Address Line 2</b>		
	<b>City</b>	<b>State</b>	<b>ZIP Code</b>
	RISING SUN	MD	21911-0000
	<b>Phone 1</b>	<b>Phone 2</b>	<b>Fax</b>
	4434144940		
	<b>E-mail</b>		

**Applicant** (This section is not required.)

Search    As Owner    As Lic. Prof    As Contact

<b>Type</b>	<b>First Name</b>	<b>MI</b>	<b>Last Name</b>
Applicant <input type="checkbox"/>	BASIL	STEPH	PERRY
<b>Relationship</b>	<b>Full Name</b>		
Applicant <input type="checkbox"/>			
<b>Primary</b>	<b>Organization Name</b>		
Yes <input type="checkbox"/>	DIXIE LAND ENERGY LLC		
	<b>Street Address</b>		
	281 EAST MAIN STREET		
	<b>Address Line 2</b>		
	<b>City</b>	<b>State</b>	<b>Zip Code</b>
	RISING SUN	MD	21911 000
	<b>Phone</b>	<b>Cell</b>	<b>Fax</b>
	4434144940		
	<b>E-mail</b>		
	jbanks@dixielandenergy.com		

**Addtl Info**

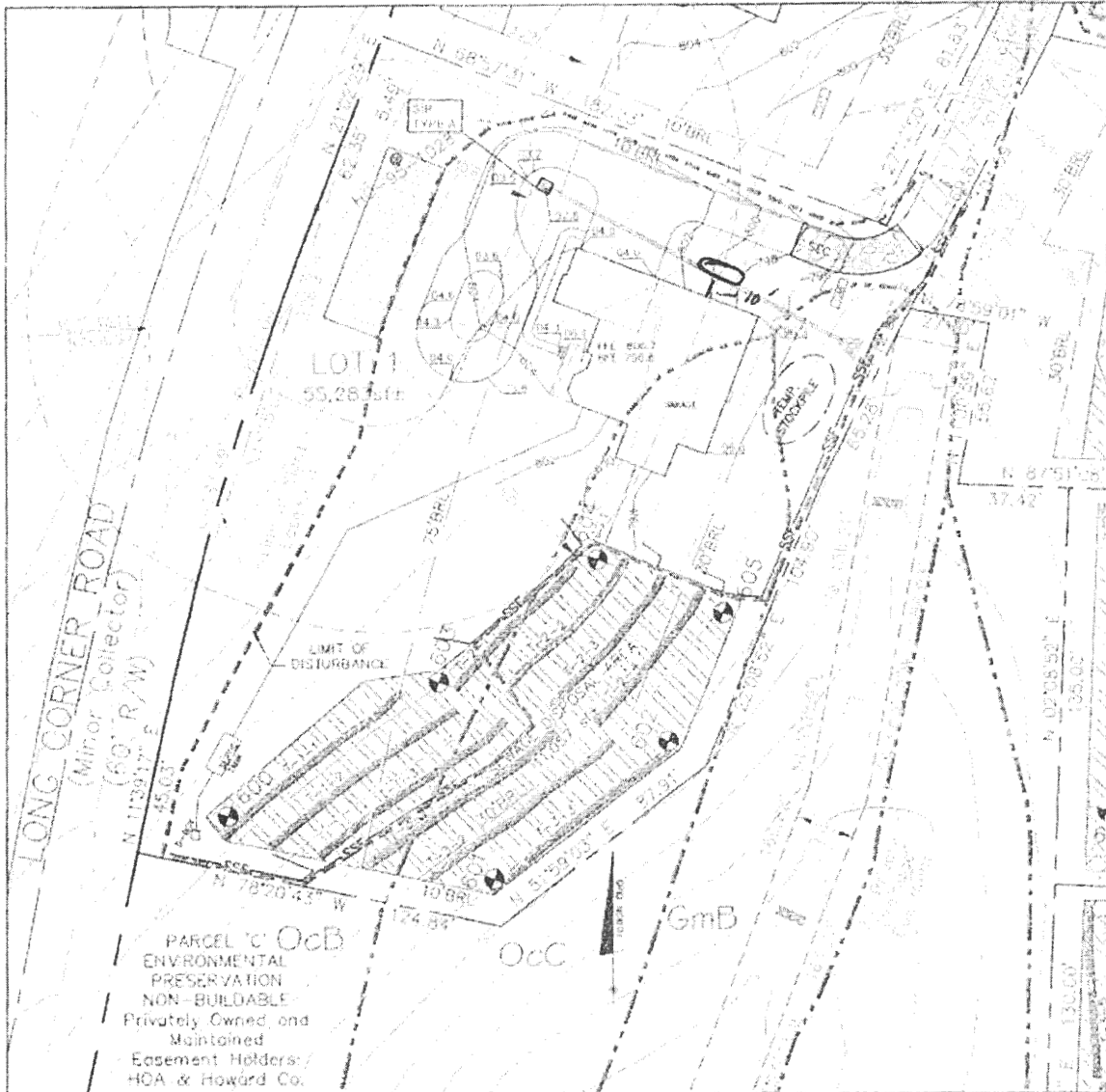
<b>Est Construction Cost</b>	<b>Housing Units</b>	<b>Number of Buildings</b>	<b>Public Owned</b>
5250	0	0	No <input type="checkbox"/>
<b>Construction Type</b>			
329 - Structures Other Than Buildings (Retaining Walls/Tents)			<input type="checkbox"/>

**TANK INFORMATION**

**RESIDENTIAL TANK INFORMATION**

<b>Capital Project-No Fee</b>	<b>Capital Project Number</b>	<b>Fee Exempt</b>	<b>Roadside Tree Project Permit</b>	<b>Roadside Tree Permit #</b>
<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>Existing Use</b>	<b>Number of Tanks Installed</b>	<b>Number of Tanks Removed</b>		
SFD	1	0		
<b>Water Supply</b>	<b>Sewage Disposal</b>	<b>Expiration Date</b>	<b>Relocate Existing Tank</b>	

18406 Hidden Creek way Mount Airy MD



UG500 - 10' x 4'  
10' off House  
40' off Front  
60' off left  
165' off Rear  
180' off Right

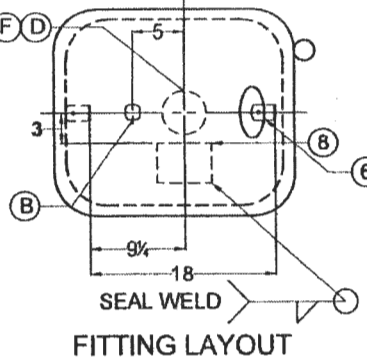
100' off septic  
125' off well

Approved for LP tank  
B23000 794

 4/11/23

THIS VESSEL IS DESIGNED FOR THE STORAGE OF LIQUEFIED PETROLEUM GAS ONLY

ACEFD



FITTING LAYOUT

SHORT RISER TANKS MUST HAVE DT LENGTH UPDATED TO 17.0

**CERTIFIED BY: QUALITY STEEL CORPORATION**  
 CLEVELAND, MS - FREMONT, OH - WEST JORDAN, UT

MAX. ALLOW. WORK PRESS. 250 PSI AT 400 °F  
 M.D.M.T. -20 °F. AT 250 PSI

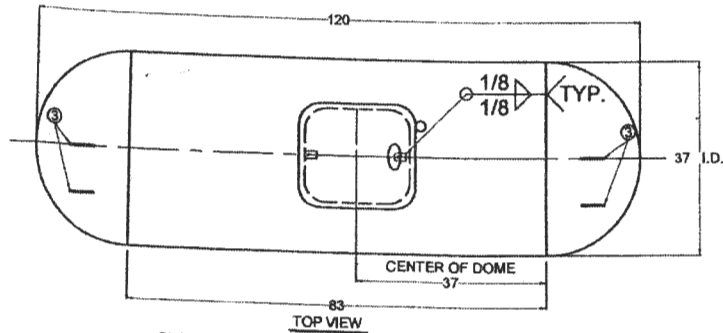
YEAR BUILT 201 SER. NO. \*

LENGTH 120 IN. OUTSIDE DIA. 37.5 IN.  
 HEAD THK. .185 IN. SHELL THK. .218 IN.  
 UNDER GROUND TYPE UQ5 SURFACE AREA 100 SQ. FT.  
 HEAD D.R. HEMI WATER CAPACITY 500 GALLO

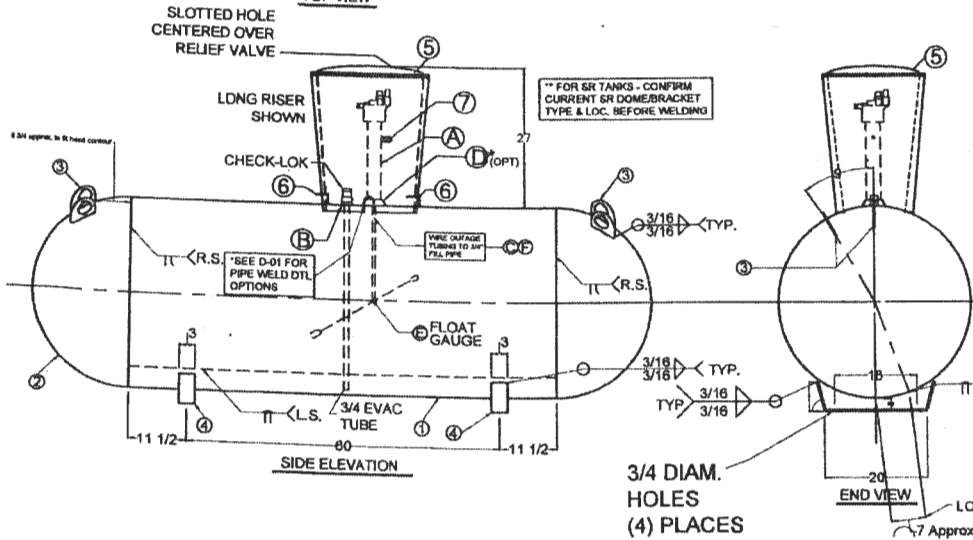
CONTAINER ASSEMBLY FOR LP GAS

THIS CONTAINER SHALL NOT CONTAIN A PRODUCT HAVING A VAPOR PRESSURE IN EXCESS OF 215 PSI AT 100°F. DIP TUBE LENGTH - 89% FULL AT 50°F. D.T. 124.0 IN.

DATA PLATE DETAIL



TOP VIEW



SIDE ELEVATION

END VIEW

3/4 DIAM. HOLES (4) PLACES

\* May vary long seam loc. to miss leg weld

SEE D-01 FOR ANY UNSPECIFIED WELD DETAILS

GENERAL NOTES:

- LIFTING LUGS DESIGNED FOR TOTAL LIFTING WEIGHT OF 150
- TOTAL EMPTY WEIGHT IS 976#
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIF
- COMPLETE TANK DRIED TO REMOVE ALL MOISTURE.
- ALL WEIGHTS AND CAPACITIES ARE APPROXIMATE
- EXTERIOR OF TANK TO BE GRIT BLASTED
- PAINT PER SHOP ORDER
- VACUUM PURGE TANK
- DIMENSIONS ARE SUBJECT TO CHANGE WITH OUT NOTICE. (NON-PRESSURE RETAINING COMPONENTS ONLY)
- THREADS OF ALL FITTINGS TO BE COATED WITH COMPOU SUITABLE FOR USE WITH LP GAS.
- FLOAT GAUGE TO BE INSTALLED WITH FLOAT ARM 45 ° OFF LONGITUDINAL CENTERLINE OF TANK
- DOUBLE LIFTING LUGS ON LONG RISER TANKS ONLY

GENERAL SPECIFICATIONS

WATER CAPACITY (GALLONS)	500
ALLOWABLE WORKING PRESSURE (PSIG)	250
JOINT EFFICIENCY:	ASME UW-51 LONG SEAM 100 ASME UW-52 HEAD TO SHELL 80
HYDROSTATIC TEST PRESSURE (PSIG)	325
SURFACE AREA (SQ. FT.)	100
RELIEF VALVE SETTING (PSIG)	250
RELIEF DISCHARGE RATE - (CFM REQ'D.)	70
HEAT TREATMENT NOT REQUIRED	
CODE:	ASME SECTION VIII DIV. I
STANDARDS:	UNDERWRITERS LABORATORIES INC. MH-7 N.F.P.A. 58 LP GAS CODE
MATERIAL SPECS.:	COUPLINGS SA-105 TANK FLANGES SA-105 OR SA-181 ADAPTOR SA-105 PIPE - SA53B OR SA106B

500 W.G. UNDERGROUND PROPANE TANK-TYPE-UQ5 (FORMERLY AWT-UG)

QUALITY STEEL CORPORATION

PART NUMBER: 0105004x LONG RISER  
0105003x SHORT RISER

MARK	QTY.	SIZE	TYPE	FITTINGS	SERVICE
A	1	2 1/2	SCHED. 40 PIPE T.O.E. X 18 1/8" I.O.D. DOME HT. = 24"	BPG00847SRL24.1	MULTIVALVE
A (ALT.)	1	2 1/2	SCHED. 40 PIPE T.O.E. X 9 1/8" I.O.D. & DOME HT. = 18"	BPG00847SRL24.1	MULTIVALVE
B	1	3/4	XH FLG. W/ EVAC TUBE	007560UT	CHEK-LOK
C	1	3/4	SCH. 40 PIPE (T.O.E.)		PULL PIPING X 1/2" O.D. 1/4" I.D. RISER PIPE ATTACHMENT
D (OPT.)	1	2 1/2	XH SOCKET WELD FLG		FLOAT GAUGE (5-1/2" Dia)
E	1	1 1/4	4 - BOLTS	Sqr. Taylor J837003P or, Rochester B628 1-483	
E (AK)	1	1 1/4	4 - BOLTS	Sqr. Taylor J8298AP or, Rochester B628 1-484	FLOAT GAUGE (Short Riser)
F	1	1/8	BRASS TUBE		OUTGAGE TUBE, 17" DR 24" LR

MARK	QTY.	DESCRIPTION	DWG. NO.
1	1	SHELL - 0.218" X 83" X 116 11/16" - SA414G	
2	2	HEADS - 37" I.D. X 0.185" - HEMI SA414C	
3	4	LIFTING LUGS	D - 63
4	2	TANK LEGS (SINGLE PIECE LEGS)	D - 3
5	1	DOME	D-5 & D-47
6	2	DOME BRACKETS	D - 30
7	1	ANODE ATTACHMENT	D - 17
8	2	DATA PLATE, 500 GAL., U/G	D - 60

REV.	BY:	DESCRIPTION	DATE:
17	CDH	REVISED FILL PIPE LENGTHS	12/13/01
18	CDH	ADDED FLOAT GA. DESCRIPTIONS CHANGED MOMT PRESSURE TO 250 PSI	5/21/02
19	CDH	REMOVED DOME CLIPS, ADDED SNAP LOCKS	8/28/02
20	CDH	REPOSITIONED SNAP LOCKS & REMOVED DETAIL	10/21/02
21	SEA	ADD SA-181 AS OPTION FOR FLANGES	6/28/05
22	RGA	REVISED COMPANY NAME	12/08/07
23	who	STANDARDIZE DRAWINGG	05/30/11
24	who	UPDATED NAME PLATE	09/13/12
25	who	UPDATED SHELL LENGTH	03/18/14
26	TWV	UPDATED HEAD & PLY THICKNESS & NAMEPLATE. UPDATE TO QSC STD COMPONENTS.	06/19/15

DATE	DRAWN BY:	APPROVED BY:	REVISION	DRAWING TO
01 / 03 / 00	RAC	TWV	26	R-500

UG STANDARD

RECEIVED

PERMIT NUMBER: B

DATE ACCEPTED:

JUN 27 2023

**COMMERCIAL BUILDING PERMIT APPLICATION**  
 HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS  
 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4  
 www.howardcountymd.gov

**BUILDING SITE ADDRESS REQUIRED**

Street Address: 10348 OLD FREDERICK ROAD Unit: TOWER  
 City: WOODSTOCK State: MD Zip Code: 21163  
 Subdivision/Village/Complex Name: SDP/WP/BA #: N/A  
 Lot: Tax Map: 42 Parcel: 364 Grading Permit #: N/A

**DESCRIPTION OF WORK REQUIRED**

Existing Use: Telecommunications Proposed Use: Telecommunications Estimated Cost: \$25,000  
 Trade Work to Be Completed (Separate Permits Required):  Mechanical (HVACR)  Electrical  Plumbing  None  
 INSTALL A 48kW DIESEL GENERATOR ON EXISTING CONCRETE PAD FOR TELECOMMUNICATIONS SITE; NO TOWER WORK  
 CW 240 Gallon Diesel Tank

**PROPERTY OWNER INFORMATION REQUIRED**

Owner(s) Name(s) (As it appears on tax records): DAVID BRUCE PELLICOT TRUSTEE  
 Owner's Street Address: 10348 OLD FREDERICK ROAD  
 City: WOODSTOCK State: MD Zip Code: 21163  
 Phone: Email:

**TENANT INFORMATION REQUIRED**

Business Name: T-MOBILE Contact Name:  
 Street Address: 12020 BALTIMORE AVENUE  
 City: BELTSVILLE State: MD Zip Code: 21076  
 Phone: (410) 474-9081 Email: Timothy.Schindler@smartlinkgroup.com

**APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION**

Business Name: SBA NETWORK SERVICES Contact Name: Andrew Martin  
 Street Address: 470 Davidson Road  
 City: Pittsburgh State: PA Zip Code: 15239  
 Phone: (412) 525-7678 Email: amartin@sbsite.com

**CONTRACTOR INFORMATION REQUIRED**

Business Name: Atlantic Power and Light License #: 03112819  
 Licensee's Name:  
 Street Address: 9717 Pulaski Hwy.  
 City: Baltimore State: MD Zip Code: 21220  
 Phone: (443) 231-5309 Email: Bacth@corp.adpl.com

**ARCHITECT/ENGINEER INFORMATION REQUIRED - INDIVIDUAL WHO SIGNED PLANS**

Business Name: BC ARCHITECTS Name: CHRIS MORIN  
 Street Address: 5661 COLUMBIA PIKE  
 City: FALLS CHURCH State: VA Zip Code: 22041  
 Phone: 703-671-6000 Email: cmorin@bcplc.com

**BUILDING CHARACTERISTICS (PLEASE SELECT/COMPLETE ALL THAT APPLY)**

Utilities:  Electric  Gas Water Supply:  Public  Private (Well) Sewage Disposal:  Public  Private (Septic)  
 Heating System:  Electric  Natural Gas  Propane  Other: Diesel Roadside Tree Project:  No  Yes  
 Sprinkler System:  NFPA 13  NFPA 13R  None Fire Alarm System:  Yes  No  Voice Evac

**ADDITIONAL COMMERCIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)**

Area of Construction: 40 sq ft Gross Area: 40 sq ft Height: 6 ft # of Stories: n/a  
 Construction Classification(s): V-B Use Group: U  
 Was the tenant space previously occupied?  Yes  No Shell Building Permit # (for interior completions): N/A

**ADDITIONAL MULTI-FAMILY INFORMATION IF APPLICABLE**

# of efficiency units (MF): # of 1 BR (MF): # of 2 BR (MF): # of 3 BR (MF):  
 Energy Method:  Performance  UA Alternative  ERI  A 90.1 Gross Area: sq ft Occupable Area: sq ft

**AGREEMENT/DISCLAIMER REQUIRED**

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES

Andrew Martin APPLICANT'S ORIGINAL SIGNATURE DATE SIGNED: 06/27/2023

**FOR OFFICE USE ONLY** CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS:  
 PR  DPZ  DED  Health 6/24/23  SHA  CID  
 SUBMITTAL FEES: \$110 PAYMENT: pay online ACCEPTED BY: TR

**RD048 | 3.4L | 48kW**

**INDUSTRIAL DIESEL GENERATOR SET**

EPA Certified Stationary Emergency

**GENERAC®** | **INDUSTRIAL  
POWER**

Model Number  
48kW: G0071940

**Standby Power Rating**

48 kW, 60 Hz

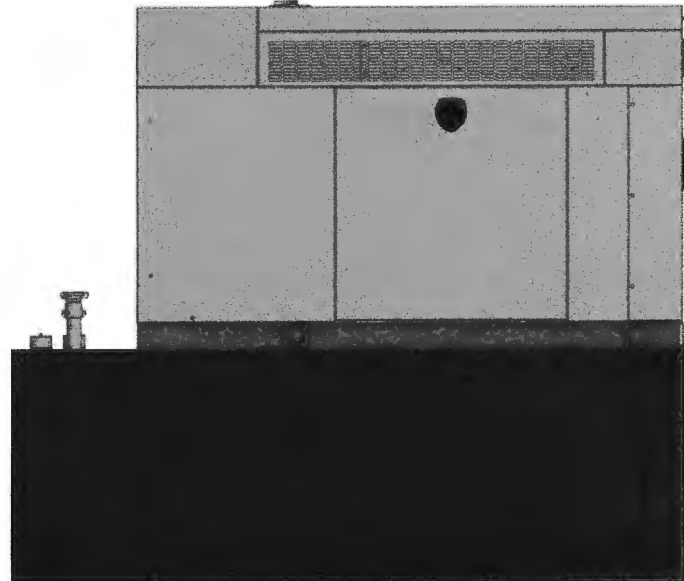



Image used for illustration purposes only




**CODES AND STANDARDS**

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


 UL2200, UL508, UL489, UL142


 CSA C22.2

 DIN BS5514 and DIN 6271

 SAE J1349

 NFPA 37, 70, 99

 ISO 3046, 8528, 9001

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

 ANSI American 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.

**RD048 | 3.4L | 48kW**

## 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

- 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

### OPTIONAL SHIPPED LOOSE AND FIELD INSTALL KITS

#### GENERATOR SET

- Paint Kit
- Scheduled Maintenance Kit

#### FUEL TANK

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

# RD048 | 3.4L | 48kW

## INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



### APPLICATION AND ENGINEERING DATA

#### ENGINE SPECIFICATIONS

##### General

Make	Generac
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (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 System

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
Fuel Filtering (microns)	10

##### Engine Electrical System

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

#### ALTERNATOR SPECIFICATIONS

Standard Model	Generac
Poles	4
Field Type	Rotating
Insulation Class - Rotor	F
Insulation Class - Stator	H
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)
25%	1.35 (5.11)
50%	2.15 (8.14)
75%	3.06 (11.58)
100%	3.98 (15.07)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load.

#### COOLING

		Standby
Air Flow (Radiator and Alternator)	cfm (m <sup>3</sup> /min)	2824 (80)
Coolant System Capacity	gal (l)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or 1.7% for every 5°F over 77°F	
Altitude Deration	1% for every 100 m above 915 or 3% for every 1000 ft over 3000 ft	
Maximum Ambient Temperature Operating Range	°F (°C)	-20 - 122 (-28 - 50)
Maximum Radiator Backpressure	in H <sub>2</sub> O	0.5

#### COMBUSTION AIR REQUIREMENTS

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

#### ENGINE

	Standby
Rated Engine Speed	rpm 1800

#### EXHAUST

	Standby
Exhaust Flow (Rated Output)	cfm (m <sup>3</sup> /min) 448 (12.7)
Exhaust Temp (Rated Output - Post Silencer)	°F (°C) 1120 (604.4)

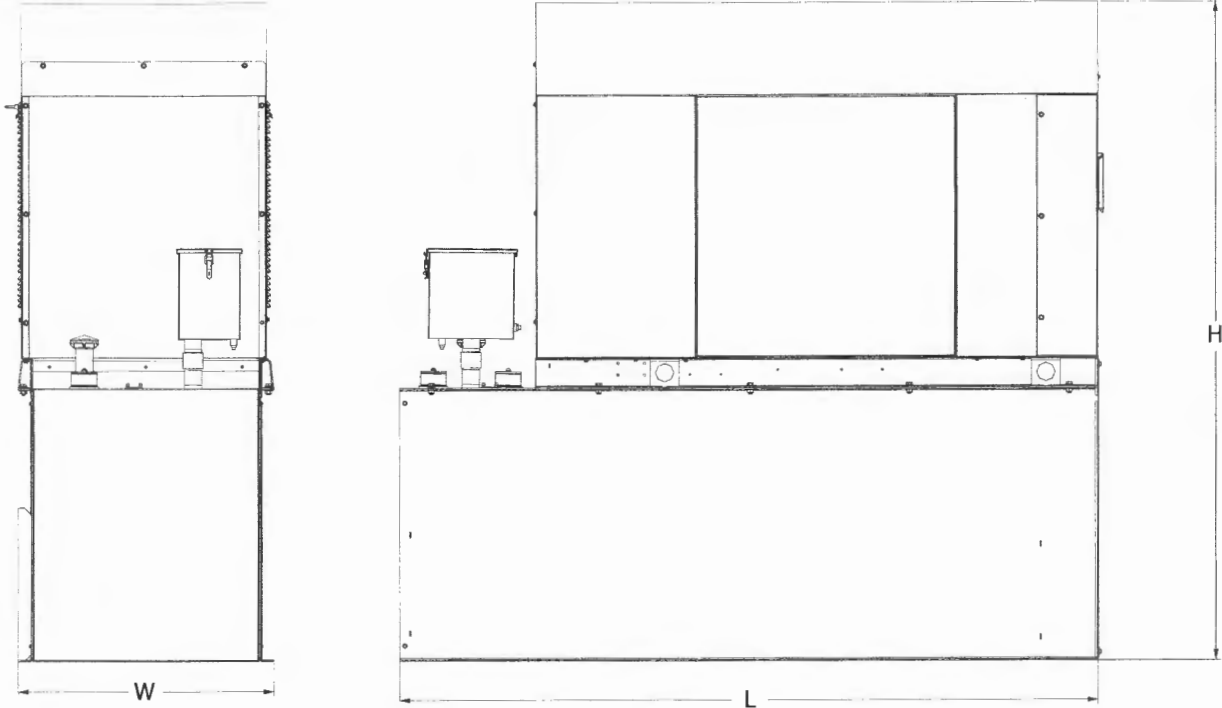
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

# RD048 | 3.4L | 48kW

## INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

### DIMENSIONS AND WEIGHTS\*



#### Weights and Dimensions

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

#### 48kW Fuel Consumption

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

\* All measurements are approximate and for estimation purposes only.

#### Sound Emission Data

Rated Load Sound Output at 23ft - dB(A)	65
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YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

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



Planners  
 Surveyors  
 Engineers  
 Landscape Architects

192 East Main Street  
 Westminster, MD 21157

410 386 0560  
 Fax 410 386 0564

DDC@DDCinc.us  
 www.DDCinc.us

**LETTER OF TRANSMITTAL**

TO: HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH  
WELL AND SEPTIC PROGRAM  
[REDACTED]  
8930 STANFORD BLVD.,  
COLUMBIA, MD 21045

DATE: 6/22/2023 PROJECT NO: 21016.1

PROJECT: 13535 FREDERICK ROAD

WE ARE SENDING: ( X ) HEREWITH  
 ( ) UNDER SEPARATE COVER

SENT VIA: ( ) REGULAR MAIL ( ) FEDERAL EXPRESS ( ) YOUR MESSENGER  
 ( ) EXPRESS MAIL ( X ) OUR MESSENGER ( ) \_\_\_\_\_

NO. COPIES	DWG. NO.	DWG. DATE	DESCRIPTION / TITLE	PRINT	MYLAR	OTHER
3	1		13535 FREDERICK ROAD OSDS	X		

**REMARKS:**

HANK,

ATTACHED PLEASE FIND THE OSDS DRAWINGS, WITH THE FIRST SHEET AT 50 SCALE AS REQUESTED, FOR 13535 FREDERICK ROAD. PLEASE LET ME KNOW IF YOU NEED ANY ADDITIONAL INFORMATION.

THANK YOU FOR YOUR HELP ,

LORI CUNNINGHAM  
 CELL 443-799-5933

Received By: \_\_\_\_\_

Copy To: \_\_\_\_\_

By: LORI CUNNINGHAM  
lcunningham@ddcinc.us

For:

PERMIT NUMBER: B 22 00 3438

DATE ACCEPTED:



# RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

www.howardcountymd.gov

### BUILDING SITE ADDRESS REQUIRED

Street Address: 18406 Hidden Creek Way		Unit:
City: Mount Airy	State: MD	Zip Code: 21771
Subdivision/Village/Complex Name: Windsor Forest Knolls		SDP/WP/BA #:
Lot: 1	Tax Map: 6, Grid 16	Parcel: 57
Grading Permit #:		

### DESCRIPTION OF WORK REQUIRED

Existing Use: Vacant unimproved lot	Proposed Use: SFD	Estimated Cost: \$394,800.00
Trade Work to Be Completed (Separate Permits Required): <input checked="" type="checkbox"/> Mechanical (HVACR) <input checked="" type="checkbox"/> Electrical <input checked="" type="checkbox"/> Plumbing <input type="checkbox"/> None		

Residential New Single Family Dwelling (Detached)

### PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): Sonshine MD, LP		Primary Residence: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Owner's Street Address: 227 Granite Run Drive, Suite 100		
City: Lancaster	State: PA	Zip Code: 17601
Phone: (717) 464-9060	Email: billb@keystonecustomhome.com	

### APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name: Keystone Custom Homes		Contact Name: Neil J. Bontempi
Street Address: 227 Granite Run Drive, Suite 100		
City: Lancaster	State: PA	Zip Code: 17601
Phone: (717) 847-5426	Email: nbontempi@keystonecustomhome.com	

### CONTRACTOR INFORMATION REQUIRED

Business Name: Keystone Custom Homes	
Licensee's Name:	License #: MHBR# 2937 (exp 12/01/2022)
Street Address: 227 Granite Run Drive, Suite 100	
City: Lancaster	State: PA
Phone: (717) 847-5426	Email: nbontempi@keystonecustomhome.com

### ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: James F. Collins, P.E.		Name: James Collins
Street Address: 227 Granite Run Drive, Suite 100		
City: Lancaster	State: PA	Zip Code: 17601
Phone: (352) 250-3146	Email: jcollins@keystonecustomhome.com	

### BUILDING CHARACTERISTICS REQUIRED

Primary Structure: <input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/> SF Duplex <input type="checkbox"/> Mobile Home <input type="checkbox"/> Multi-Family Dwelling (MF*)		Condo: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Utilities: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Gas	Water Supply: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private (Well)	Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private (Septic)
Heating System: <input type="checkbox"/> Electric <input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane <input type="checkbox"/> Other:		Roadside Tree Project: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: #
Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input checked="" type="checkbox"/> NFPA 13D <input type="checkbox"/> None		Fire Alarm System: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Voice Evac

### ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options: Nottingham Manor				
# of Bedrooms (SF): 5	# of efficiency units (MF*):	# of 1 BR (MF*):	# of 2 BR (MF*):	# of 3 BR (MF*):
# Rooms: 15	# Full Baths: 3	# Half Baths: 1	# Fireplaces: 1	
Garage/Carport Info: <input checked="" type="checkbox"/> Attached Garage <input type="checkbox"/> Detached Garage <input type="checkbox"/> Integral Garage <input type="checkbox"/> Carport <input type="checkbox"/> None				
Basement/Foundation Info: <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Post & Pier <input checked="" type="checkbox"/> Unfinished Basement <input type="checkbox"/> Finished Basement: <input checked="" type="checkbox"/> Full or <input type="checkbox"/> Partial				
1 <sup>st</sup> Fl Width: 62	1 <sup>st</sup> Fl Depth: 67	2 <sup>nd</sup> Fl Width: 50	2 <sup>nd</sup> Fl Depth: 52	Bsmt Width: 62
Energy Method: <input checked="" type="checkbox"/> Prescriptive <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI		Gross Area: 7,828	sq ft	Occupiable Area: 7,701
Bsmt Depth: 67				

### AGREEMENT/ DISCALIMER REQUIRED

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

*Neil J. Bontempi*  
APPLICANT'S ORIGINAL SIGNATURE

9/1/22  
DATE SIGNED

### FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS:				
<input type="checkbox"/> PR	<input type="checkbox"/> DPZ	<input type="checkbox"/> DED	<input checked="" type="checkbox"/> Health <i>Mark Oswald 9.13.22</i>	<input type="checkbox"/> SHA
SUBMITTAL FEES: \$ 19,000			PAYMENT: CK # 5636	ACCEPTED BY: <i>[Signature]</i>

# T-Mobile®

## HARDENING PROJECT / GENERATOR ADD

T-MOBILE Site #

**7BAN139A**

T-MOBILE Site Name

**SSUSA HOWARDCO3YRPLAN\_139**

SBA Site #

**MD46740-A-01**

Site Address

**10348 OLD FREDERICK RD  
WOODSTOCK, MD 21163**

SBA Site Name

**WAVERLY-HOWARD COMMUNICATION**

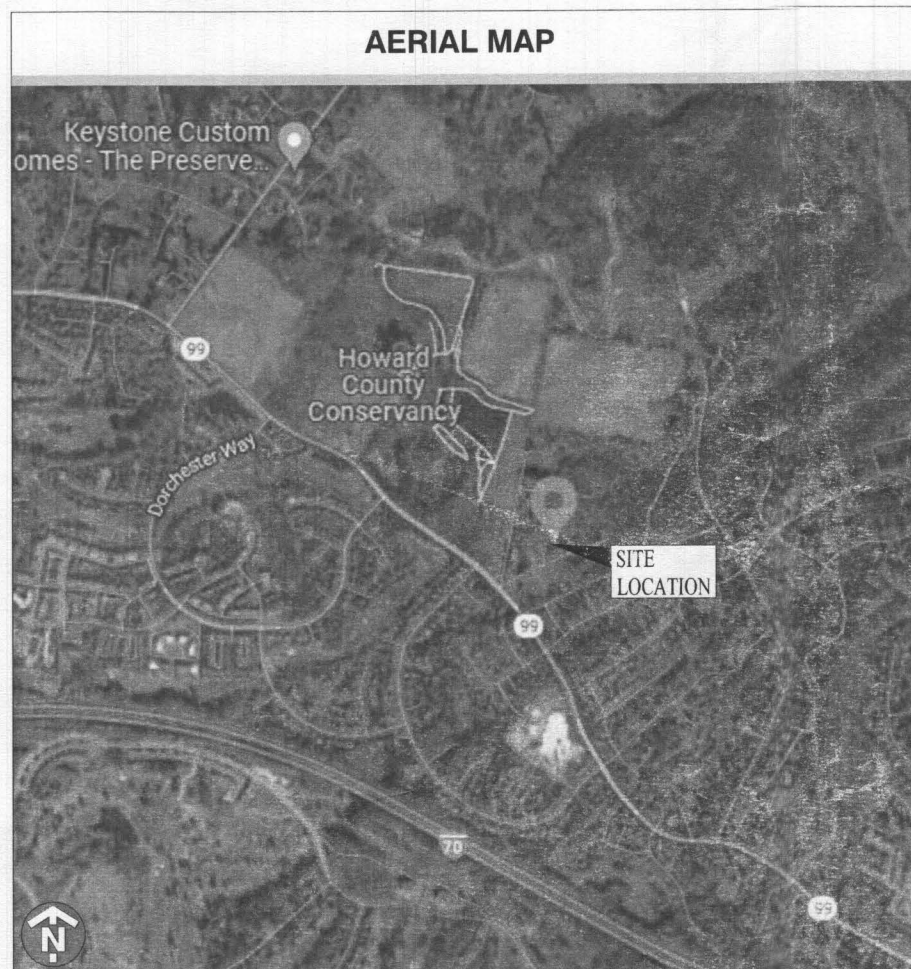
### SCOPE OF WORK

THE SCOPE OF WORK CONSISTS OF:

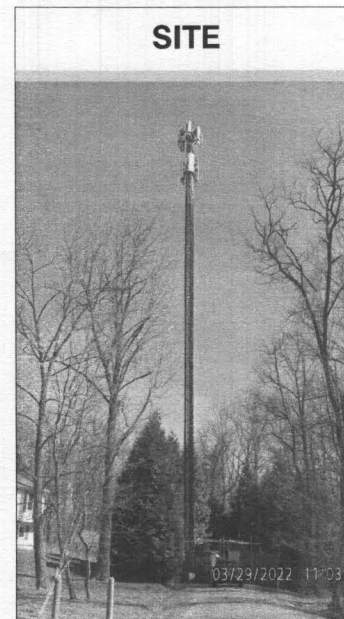
1. INSTALLATION OF (1) NEW T MOBILE GENERAC 48KW AC DIESEL EMERGENCY GENERATOR (RD048) & (1) NEW ATS

NO WORK PERFORMED ON TOWER

### AERIAL MAP



### SITE



### SHEET INDEX

NO.	SHEET DESCRIPTION
T-1	TITLE SHEET
A-1	COMPOUND PLAN
A-1A	ENLARGED EQUIPMENT LAYOUT
A-2	GENERATOR SPEC.
A-2A	GENERATOR SPEC.
A-2B	DETAILS
E-1	ELECTRICAL LAYOUT
E-2	ONE LINE DIAGRAM
E-3	AC PANEL SCHEDULE & ELECTRICAL NOTES
G-1	GROUNDING LAYOUT
G-2	GROUNDING DETAILS
S-1	SIGNAGE
SP-1	GENERAL NOTES AND SPECIFICATIONS

### DRIVING DIRECTIONS

DRIVING DIRECTIONS FROM 12050 BALTIMORE AVE. BELTSVILLE, MD 20705

1. DEPART AND HEAD TOWARD US-1 N/BALTIMORE AVE 400 FT
2. TURN LEFT ONTO US-1 N/BALTIMORE AVE 0.8 MI
3. TURN LEFT ONTO MD-200/INTERCOUNTY CONNECTOR W TOWARD MD-200 WEST TOLL ROAD TOLL ROAD 1.2 MI
4. AT EXIT 19B, HEAD RIGHT ON THE RAMP FOR I-95 NORTH TOWARD BALTIMORE TOLL ROAD 7.7 MI
5. AT EXIT 38B, HEAD RIGHT ON THE RAMP FOR MD-32 WEST TOWARD COLUMBIA 3.2 MI
6. AT EXIT 16A, HEAD RIGHT ON THE RAMP FOR US-29 NORTH TOWARD COLUMBIA/TOWN CENTER 9.5 MI
7. TURN LEFT ONTO MD-99/OLD FREDERICK RD 3.0 MI
8. ARRIVE AT MD-99/OLD FREDERICK RD ON THE RIGHT

DESTINATION WILL BE ON THE RIGHT  
TOTAL TRAVEL ESTIMATE: 25.5 MI, 29 MINUTES

### PROFESSIONAL LICENSURE

I CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF THE GOVERNING LOCAL BUILDING CODE.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 24552, EXPIRATION DATE 11/17/23.

LICENSED PROFESSIONAL  
EXPIRES: 11/17/2023

### PROJECT INFORMATION

#### SITE INFORMATION:

LATITUDE: 39.310472° (N 39° 18' 37.700")  
LONGITUDE: -76.868861° (W 76° 52' 7.900")  
FCC #: 1271636  
GROUND ELEVATION: ±492' (AMSL IN FEET)  
ZONING: R-C-DEO  
JURISDICTION: HOWARD COUNTY  
PARCEL ID #: 1403295680  
PROPERTY OWNER: THE BRUCE PELLICOT REVOCABLE TRUST  
10348 RTE 99  
WOODSTOCK, MD 21163  
STRUCTURE TYPE: 149'-0" GUYED TOWER  
POWER PROVIDER: BG&E  
TELCO PROVIDER: VERIZON

#### Project Team:

APPLICANT / LESSEE: **T-MOBILE NORTHEAST LLC**  
12050 BALTIMORE AVENUE  
BELTSVILLE, MD 20705  
(301) 264-8600  
VENDOR: (PROJECT MANAGEMENT) **SBA COMMUNICATIONS**  
470 DAVIDSON ROAD  
PITTSBURGH, PA 15239  
CONTACT: ANDREW MARTIN  
AMARTIN@SBASITE.COM  
ENGINEER: **BC ARCHITECTS ENGINEERS, PLC**  
5661 COLUMBIA PIKE, SUITE 200 FALLS CHURCH, VA 22041  
CONTACT: BRIAN M. QUINN, AIA  
BQUINN@BCPLC.COM  
TOWER OWNER: **SBA COMMUNICATIONS**  
470 DAVIDSON ROAD  
PITTSBURGH, PA 15239  
CONSTRUCTION:

#### Code Compliance:

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

1. 2021 INTERNATIONAL BUILDING CODE
2. 2021 INTERNATIONAL RESIDENTIAL CODE
3. 2020 NFPA 70 NATIONAL ELECTRICAL CODE
4. 2021 INTERNATIONAL MECHANICAL CODE
5. 2021 INTERNATIONAL PLUMBING CODE
6. 2021 NFPA 101 LIFE SAFETY CODE



PROTECT YOURSELF  
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:  
WWW.CALL811.COM

T-Mobile®

SBA

**BC**  
architects  
engineers

5661 COLUMBIA PIKE, SUITE 200  
FALLS CHURCH, VA 22041-2868

DRAWN BY: MM CHECKED BY: SS

APPROVED BY: BMQ

No.	Revision/Issue	Date	Initial
A	90% PRELIMINARY	04/29/2022	MM
0	FINALS	05/12/22	AGT
1	FINALS	06/21/23	SS



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SITE INFORMATION  
**7BAN139A**

**SSUSA**

**HOWARDCO3YRPLAN\_139**

10348 OLD FREDERICK RD  
WOODSTOCK, MD 21163

TITLE SHEET

T-1

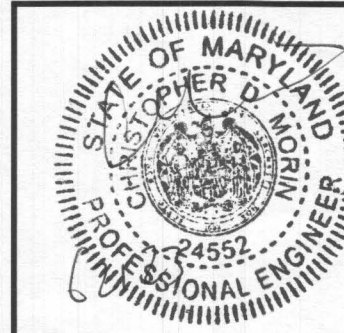
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SBA

BC architects engineers  
5661 COLUMBIA PIKE, SUITE 200  
FALLS CHURCH, VA 22041-2868

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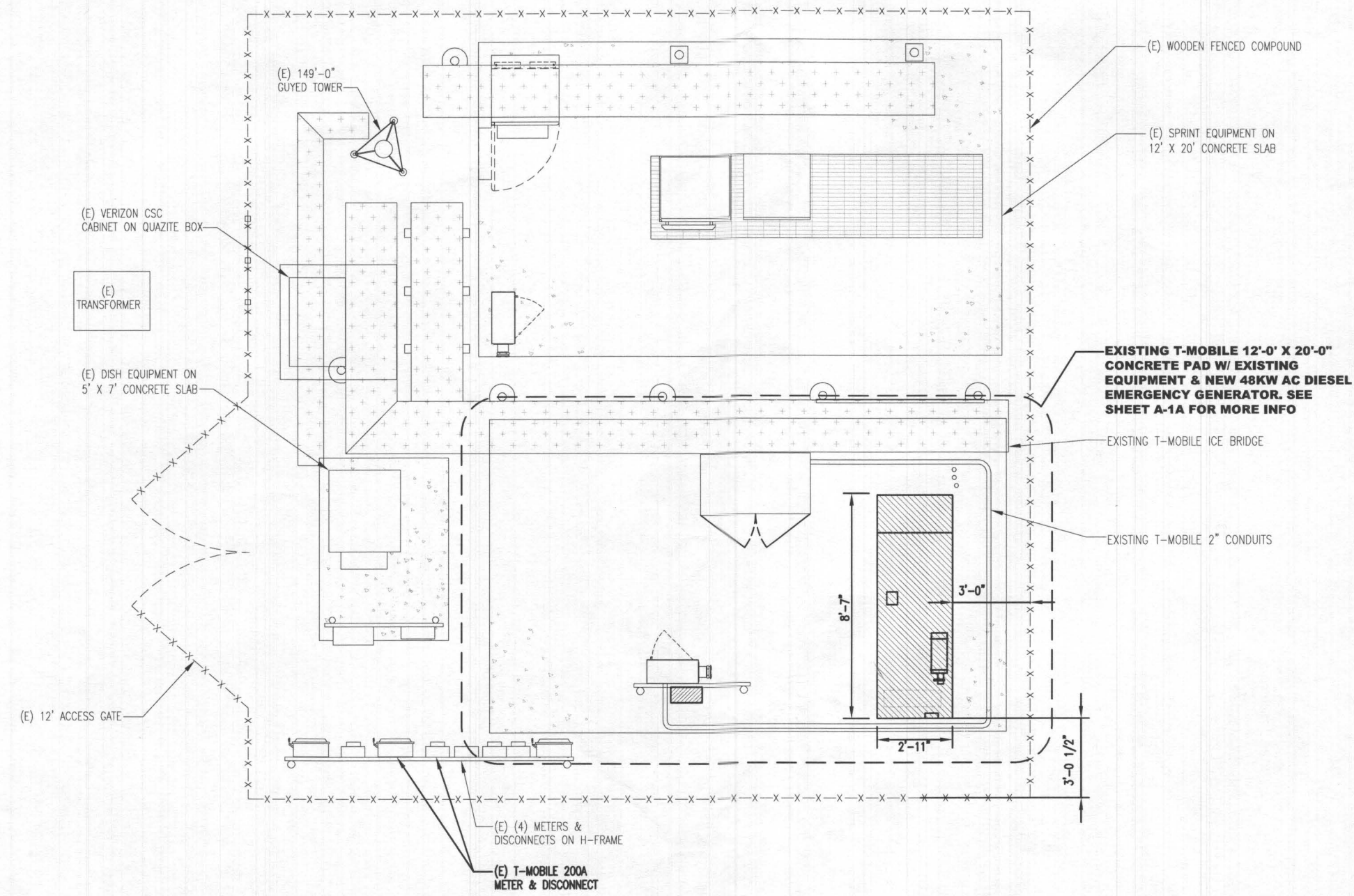


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**HOWARDCO3YRPLAN\_139**  
10348 OLD FREDERICK RD  
WOODSTOCK, MD 21163

COMPOUND PLAN

A-1



1 COMPOUND PLAN  
SCALE: 1"=5'-0" (1"=2.5' IF 24X36 SHEET SIZE)



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SBA

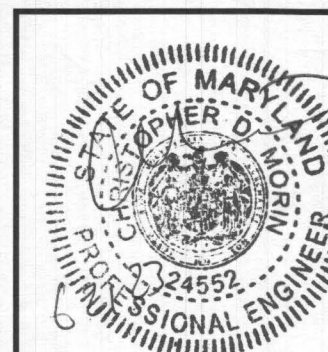
**BC**  
architects  
engineers

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FALLS CHURCH, VA 22041-2868

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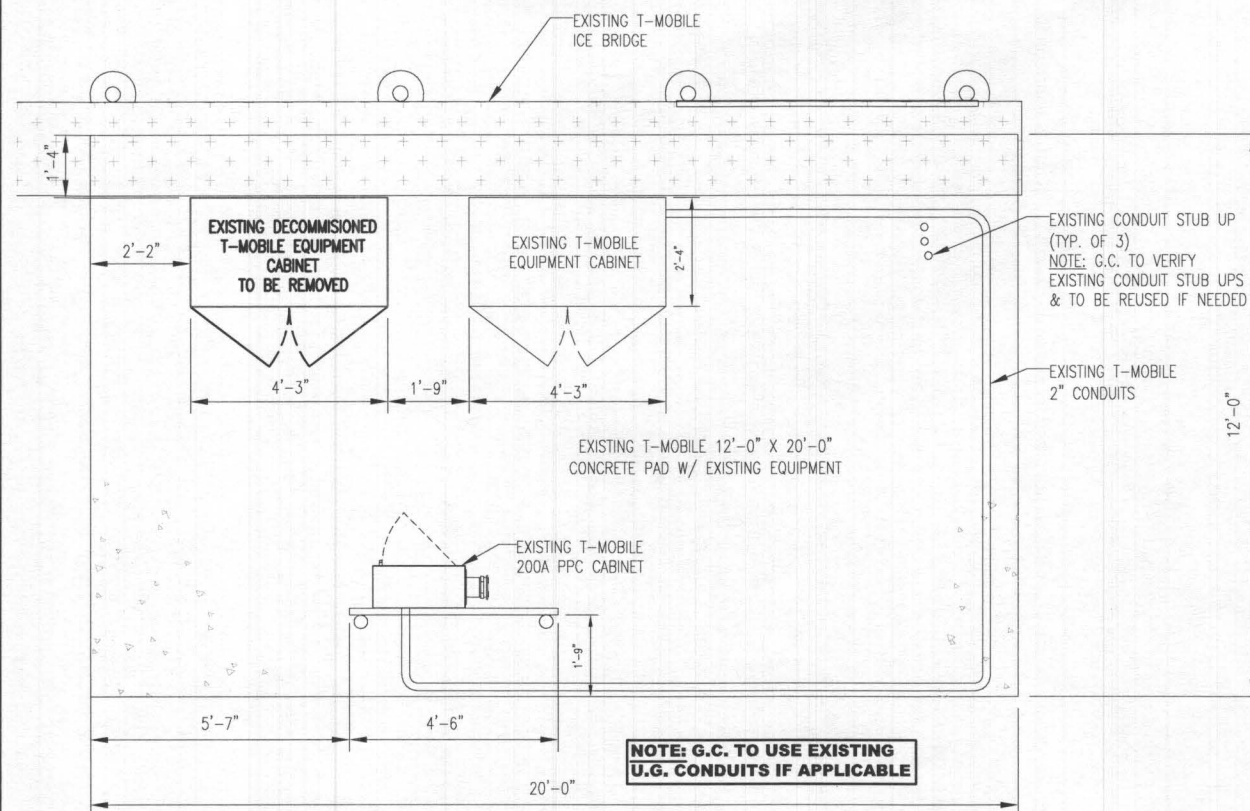


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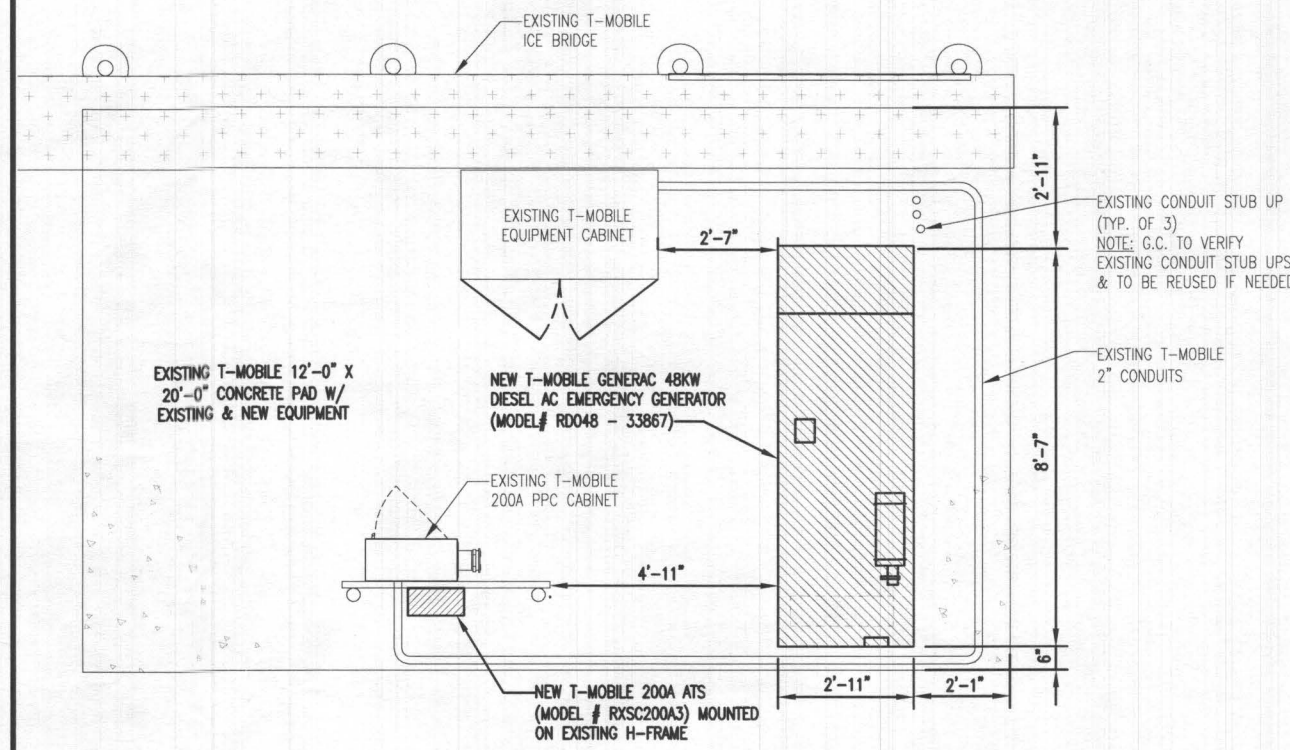
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10348 OLD FREDERICK RD  
WOODSTOCK, MD 21163

ENLARGED EQUIPMENT LAYOUT

A-1A



1 EXISTING EQUIPMENT LAYOUT  
SCALE: 1/4"=1'-0" (1/2"=1'-0" IF 24X36 SHEET SIZE)



2 PROPOSED EQUIPMENT LAYOUT  
SCALE: 1/4"=1'-0" (1/2"=1'-0" IF 24X36 SHEET SIZE)



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

Standby Power Rating  
 48 kW, 60 Hz

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

**General**

Make	Generac
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (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%

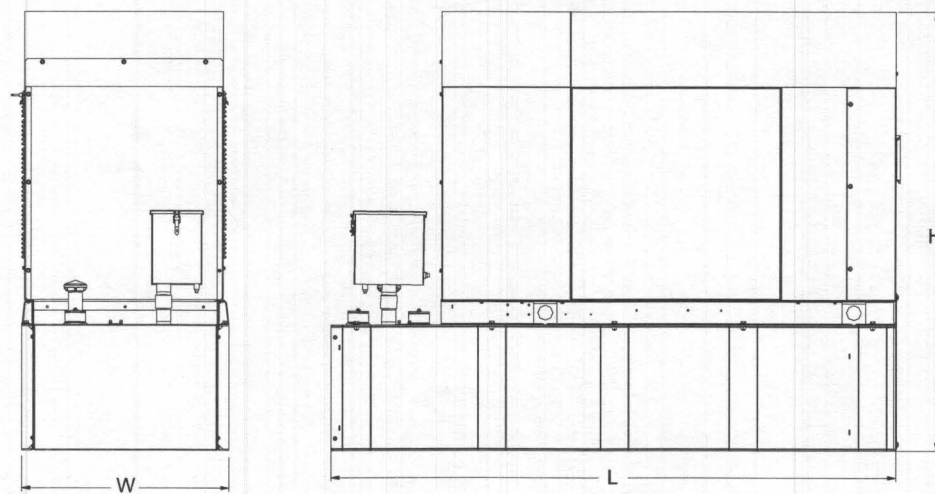
**Lubrication System**

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity - L (qts)	7.0 (7.4)

**ALTERNATOR SPECIFICATIONS**

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

**DIMENSIONS AND WEIGHTS\***



Model Number  
 48kW: G0071940

**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
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**MOTOR STARTING CAPABILITIES (skVA)**

skVA vs. Voltage Dip at 30%	
120/240 V, Single-Phase at 0.4pf	189

**FUEL CONSUMPTION RATES\***

Percent Load	Diesel gal/hr (L/hr)
25%	1.35 (5.11)
50%	2.15 (8.14)
75%	3.06 (11.58)
100%	3.98 (15.07)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load.

**COOLING**

	Standby
Air Flow (Radiator and Alternator)	cfm (m <sup>3</sup> /min) 2824 (80)
Coolant System Capacity	gal (l) 2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr) 135,900 (143.4)
Temperature Deration	3% for every 5°C above 25°C or 1.7% for every 5°F over 77°F
Altitude Deration	1% for every 100 m above 915 or 3% for every 1,000 ft over 3,000 ft
Maximum Radiator Backpressure	in H <sub>2</sub> O 0.5

**COMBUSTION AIR REQUIREMENTS**

Standby	Flow at Rated Power cfm(m <sup>3</sup> )	190 (5.38)
---------	--	------------

**ENGINE**

Standby	Rated Engine Speed rpm	1,800
---------	------------------------	-------

**EXHAUST**

Standby	Exhaust Flow (Rated Output) cfm (m <sup>3</sup> /min)	448 (12.7)
Exhaust Temp (Rated Output - Post Silencer) °F (°C)	1120 (604.4)	

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

UNIT WEIGHT - LBS	UNIT WEIGHT WITH SKID - LBS	DIMENSIONS (L X W X H) - IN
2,915	2,954	103.4 (2,625) X 35.0 (888) X 90.0 (2,286)

<b>48KW FUEL CONSUMPTION</b>	
Fuel Tank Gross Total Capacity	240
Fuel Tank Gross Usable Capacity	229
Fuel Tank Net Usable Capacity	
(Run Hours Based on Net Usable Capacity)	206
Run Hours 100% Load	52
Run Hours 75% Load	67
Run Hours 50% Load	96

<b>SOUND EMISSION DATA</b>	
Rated Load Sound Output at 23ft - dB(A)	65

\* All measurements are approximate and for estimation purposes only. Drawing is for illustration purposes only, not to scale.



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GENERATOR SPEC.

T-Mobile

SBA

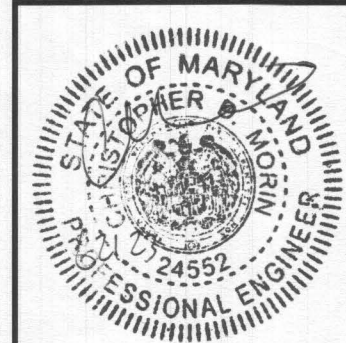
BC  
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GENERATOR SPEC.

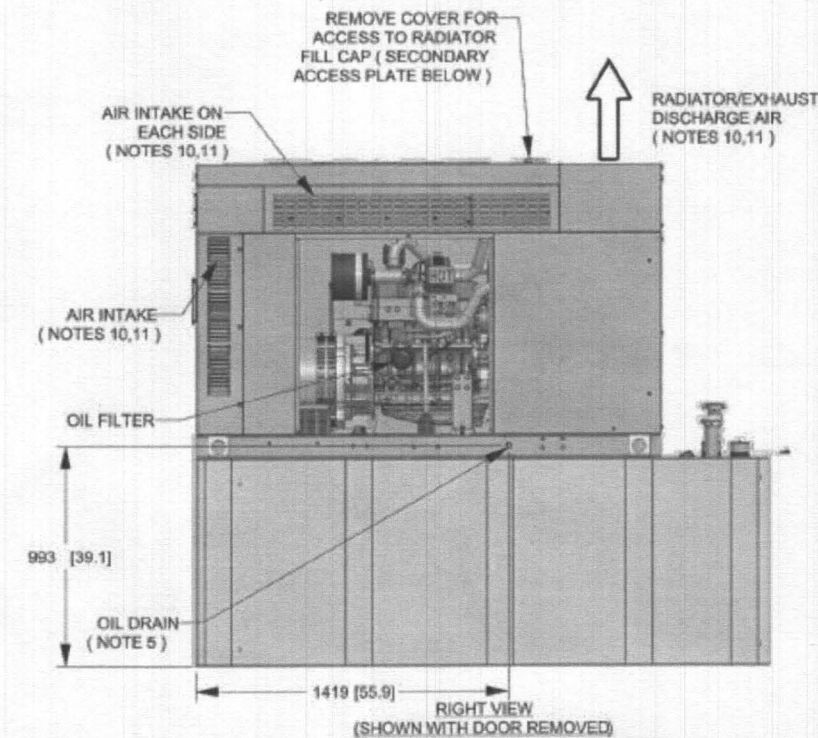
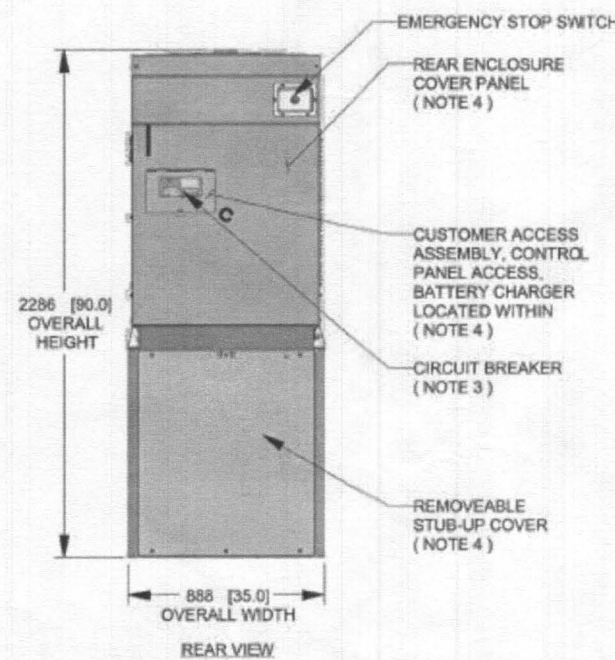
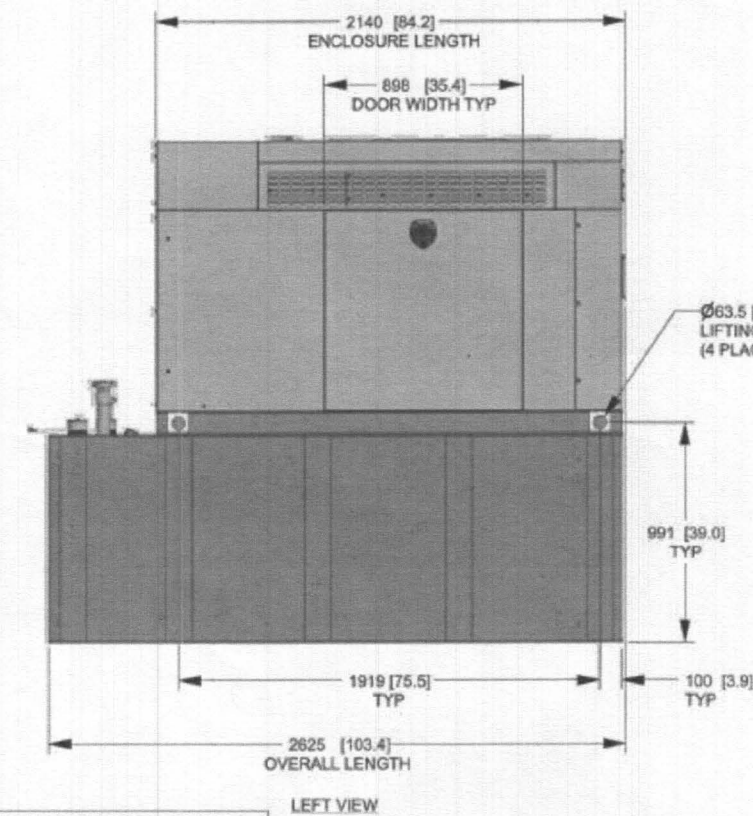
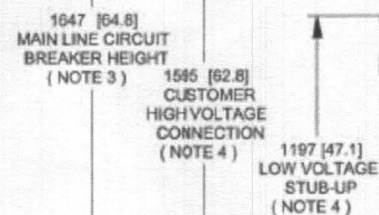
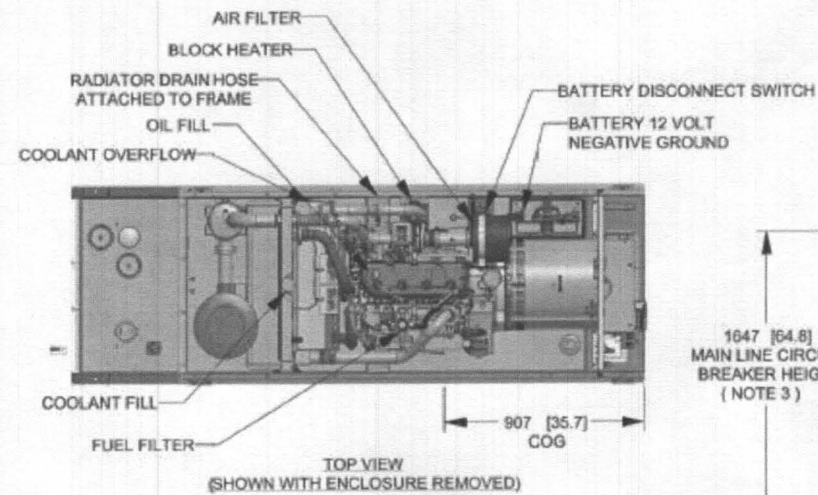
A-2A

WEIGHT DATA WITH EMPTY BASETANK (SEE NOTE 6)

GENERATOR AS SHOWN	1,322 [2,915]
WITH WOODEN SHIPPING SKID	1,340 [2,954]

WEIGHT: KG [LBS]  
DIMENSIONS: MM [INCH]

- NOTES:
- THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
  - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
  - CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
    - MAIN LINE CIRCUIT BREAKER 200 AMPS.
    - SEE SPECIFICATION SHEET OR OWNERS MANUAL.
    - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
    - CONTROL PANEL INCLUDES INTEGRATED BATTERY CHARGER.
  - REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
    - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
    - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
  - ENGINE SERVICE CONNECTIONS:
    - OIL DRAIN = 1/2" NPT
    - RADIATOR DRAIN = HOSE CLAMPED TO FRAME
  - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
  - BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
  - 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)
  - MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
  - GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED. RECOMMENDED MINIMUM PERIMETER (3FT) AND VERTICAL OVER EXHAUST (5FT) CLEARANCE FOR SITE LOCATION.
  - GENERATOR MUST BE GROUNDED.



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

# INSTALLATION DRAWING

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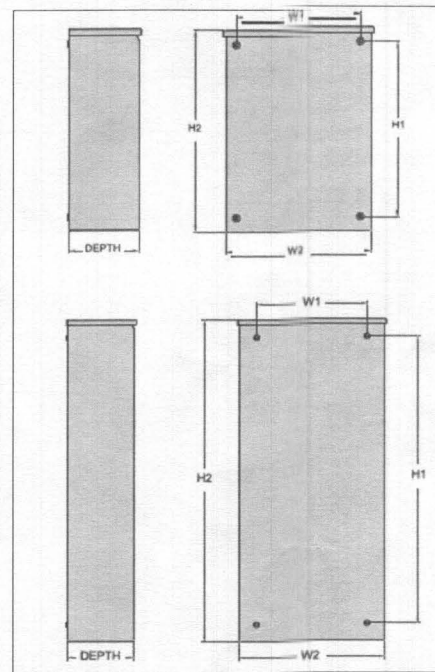
ELECTRONICALLY APPROVED  
INSIDE WINDCHILL

**GENERAC**

TITLE  
INSTALL D3.4L G16  
48KW Y06 EXT

ISSUE DATE:	8/8/18		
SIZE	CAGE NO	DWG NO	REV
B	N/A	10000041950	A
SCALE	0.035	WT-KG	SEE ABOVE SHEET 1 of 2

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



① GENERAC 200A ATS (MODEL # RXSC200A3)

DIAGRAM CIRCUIT SCHEDULE						
NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	PANEL WITH AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	NORMAL POWER FEEDER TO PANEL AND ATS
2	GENERATOR	PANEL WITH AUTOMATIC TRANSFER SWITCH	(3) 1/0	(1) #6	2"	EMERGENCY POWER FEEDER TO ATS
3	AUTOMATIC TRANSFER SWITCH	GENERATOR	(3) 1/0	(1) #6	2"	FUNCTION
4	PANEL	GENERATOR	(4) #12	(1) #6	1"	HEATER AND BATTERY CHARGER
5	PANEL	AUTOMATIC TRANSFER SWITCH	(2) #12	(1) #12	1"	ATS CONTROLLER
6	ATS	GENERATOR	(2) #14	N/A	1"	NO VOLTAGE ON THESE JUST A CONTACT
7	GENERATOR	TELCO BOARD	(2) #14	N/A	1"	NO VOLTAGE ON THESE JUST A CONTACT
8	AUTOMATIC TRANSFER SWITCH	TELCO BOARD	(2) #14	N/A	1"	NO VOLTAGE ON THESE JUST A CONTACT

② CIRCUIT DETAIL

DIAGRAM CIRCUIT SCHEDULE	
GENERATOR ALARM WIRING	ATS ALARMS WIRING
66 BLOCK	GENERATOR
GEN RUN	GEN RUNNING
GEN FAIL	GEN SHUT DOWN
GEN MAJOR	GEN COMMON ALARM
LOW FUEL	LOW FUEL
FUEL LEAK	RUPTURED BASIN
	66 BLOCK & ATS NAMED SAME
	COMMERICAL POWER FAIL
	TVSS
	ATS ENABLE

NOTE: CONTRACTOR TO LABEL WIRES WITH P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.

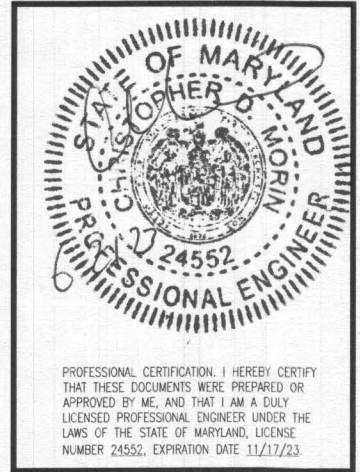
NOTE: ALL ALARMS NEED TO BE TERMINATED INSIDE OF GENERATOR BY GC. ALL ALARMS NEED TO BE TO EXISTING ACTIVE 66 BLOCK.

③ ALARM WIRING IDENTIFICATION CHART



DRAWN BY: MM      CHECKED BY: SS  
APPROVED BY: BMQ

No.	Revision/Issue	Date	Initial
A	90% PRELIMINARY	04/29/2022	MM
0	FINALS	05/12/22	AGT
1	FINALS	06/21/23	SS



SITE INFORMATION  
**7BAN139A**  
**SSUSA**  
**HOWARDCO3YRPLAN\_139**  
10348 OLD FREDERICK RD  
WOODSTOCK, MD 21163

DETAILS

A-2B