



445 Hamilton Avenue, 14th Floor  
White Plains, New York 10601  
T 914 761 1300  
F 914 761 5372  
cuddyfeder.com

Daniel Patrick  
dppatrick@cuddyfeder.com

12/6/21

**VIA ELECTRONIC AND FEDERAL EXPRESS**

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

Re: New Cingular Wireless PCS, LLC ("AT&T")  
Notice of Exempt Modification  
Emergency Back-up Generator  
134 Kickapoo Road (aka Palisades Drive), Middlefield, CT 06455  
Lat.: 41.5136111°; Long.: -72.7458°

Dear Ms. Bachman:

This letter and enclosures are respectfully submitted on behalf of New Cingular Wireless PCS, LLC ("AT&T"). AT&T currently maintains its wireless telecommunications facility on the existing tower located at 134 Kickapoo Road (aka Palisades Drive) in the Town of Middlefield, Connecticut. The underlying property is owned by SBC Tower Holdings LLC and tower structure is owned by American Tower Corporation. AT&T submits this letter and enclosures to the Connecticut Siting Council ("Council") to notify the Council of AT&T's intent to perform modifications to the existing facility that do not have substantial adverse environmental effects and thus do not require a certificate pursuant to Section 16-50k of the Connecticut General Statutes.

AT&T intends to install one (1) new Generac 30kW Diesel Generator within the existing grade-level fenced equipment compound as demonstrated on the plans enclosed as Attachment 1. The Applicant does not propose any expansion of the existing compound. AT&T's existing facility supports its FirstNet program which provides first responders with priority access to AT&T's network to ensure adequate communication capabilities in the event of emergency. AT&T's proposed generator will ensure that critical communication capability for first responders and the public are not lost in the event of a loss of power.

AT&T's proposed generator will also advance the State's goal of natural disaster and emergency preparedness. As discussed in the Council's Docket 432 Findings and Report and Docket 440 proceedings and Findings of Fact (Nos. 76- 77), in response to two significant storm events in 2011, the State formed a Two Storm Panel (the "Panel") that evaluated Connecticut's approach to planning and mitigation of impacts associated with emergencies and natural disasters. The Panel found that

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“wireless telecommunications service providers were not prepared to serve residential and business customers during a power outage” because certain companies had limited backup generator capacity. The Panel also noted that “[t]he failure of a large portion of Connecticut’s telecommunications system during the two storms is a life safety issue.” The Panel recommended that State regulatory bodies review “telecommunications services currently in place to verify that the vendors have sufficient generator and backhaul capacity to meet the emergency needs of consumers and businesses” and that the “Connecticut Siting Council should require continuity of service plans for any cellular tower to be erected.” The planned modifications will ensure continuity of services by reinforcing AT&T’s back-up power and backhaul capacity to meet the emergency needs of first responders, consumers, and businesses in the event of a power outage.

The planned modifications to the facility fall squarely within the activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2) as the planned modifications:

- Will not result in an increase in the height of the existing structure;
- Will not require the extension of the site boundary;
- Will not increase noise levels at the facility by more than six decibels or more, or to levels that exceed state or local criteria since emergency backup generators are exempt from noise regulations as “noise created as a result of, or relating to, an emergency”;
- Will not increase radio frequency emission at the facility to a level at or above the Federal Communications Commission safety standards;
- Will not cause a change or alteration in the physical or environmental characteristics of the site; and
- Will not impair the structural integrity of the facility.

The existing tower facility was originally approved by the Council on May 15, 1984 under Docket No. 40. Please find enclosed copy of the Decision. AT&T’s proposed modification will maintain compliance with any relevant conditions of this original approval and any other subsequent approvals.

The proposed modifications will have no impact on the existing tower structure itself or the radio-frequency emissions as the proposed modifications only consist of the addition of one new generator within the grade-level equipment compound. Thus, AT&T respectfully requests a waiver from submission of information relating to the existing tower structure or the radio-frequency emissions.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-73. In accordance with R.C.S.A. § 16-50j-73, a copy of this letter and enclosure are being sent to the Town of Middlefield First



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Selectman Edward P. Bailey and the Town of Middlefield Land Use Department as well as the property owner and structure owner identified above. Certification of Service is enclosed as Attachment 3.

For the foregoing reasons, AT&T respectfully submits that the proposed modification to the above referenced wireless telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Very truly yours,

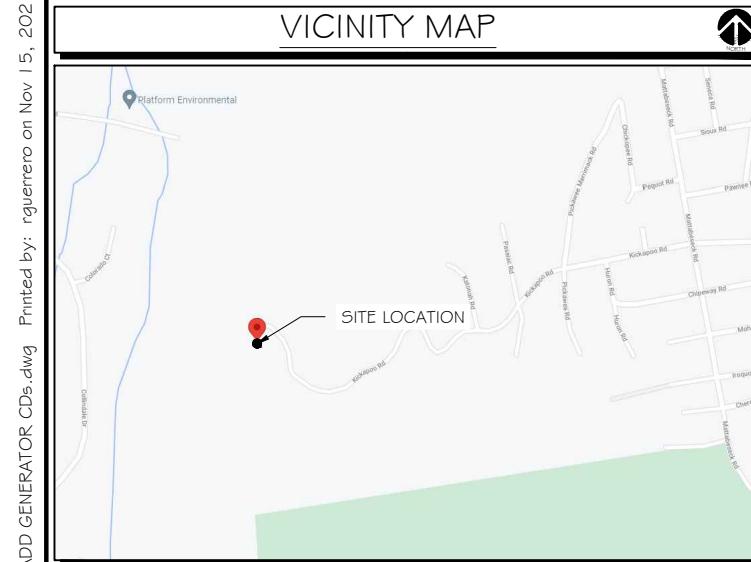
A handwritten signature in blue ink, appearing to read "D. Patrick".

Daniel Patrick

Attachments

cc: First Selectman Edward P. Bailey, Town of Middlefield  
Robin Newton, AICP, CZE0, Town Planner, Town of Middlefield  
SBC Tower Holdings LLC (as property owner)  
American Tower (as tower owner)  
General Dynamics Information Technology, Inc.  
Lucia Chiocchio, Esq.  
Riddar Nget

## **ATTACHMENT 1**



# at&t Mobility

**SITE NAME: MIDDLEFIELD-KICKAPOO**  
**FA LOCATION CODE: 10034970**  
**AMERICAN TOWER: 302485**

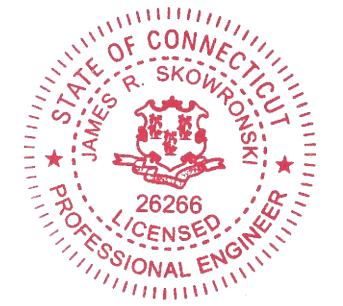
**GENERATOR PROJECT**  
**30KW GENERAC DIESEL GENERATOR**  
**200A GENERAC ATS**

**134 KICKAPOO ROAD**  
**MIDDLEFIELD, CT 06455**

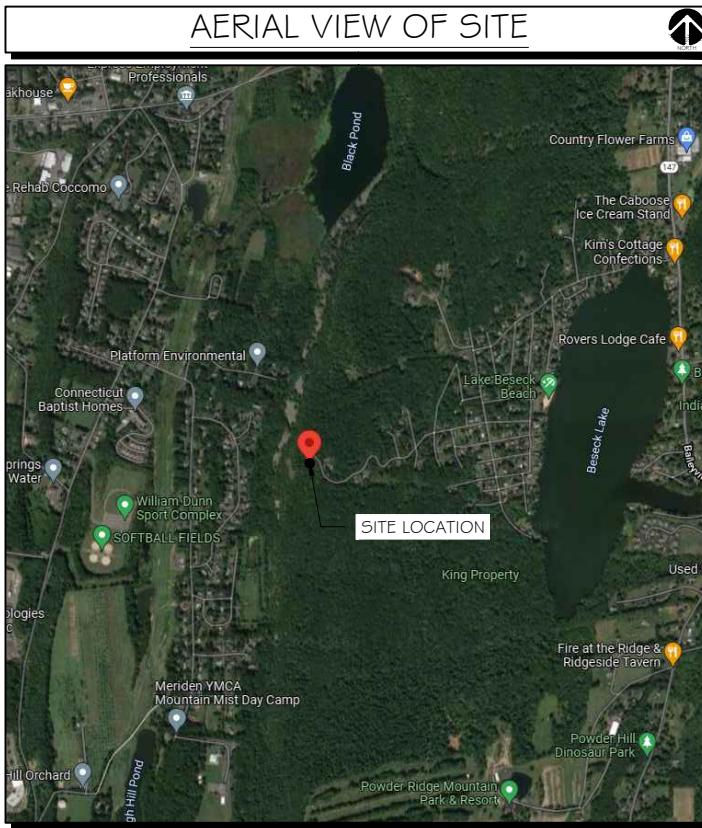
**CONSULTANT:**  
**GENERAL DYNAMICS**

Information Technology, Inc.  
GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification & Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.



Signature: *James R. Skowronski* Date: 11/15/2021



**PROJECT INFORMATION**

**PROJECT MANAGER:**

BRIAN K. SILBERT  
SR. REGIONAL MANAGER  
GENERAL DYNAMICS WIRELESS SERVICES  
101 STATION DR  
WESTWOOD, MA 02090  
EMAIL: Brian.Silbert@gdt.com

**ENGINEER:**

RAMAKER & ASSOCIATES, INC.  
855 COMMUNITY DRIVE  
SAUK CITY, WI 53583  
PH.: (608) 643-4100  
FAX: (608) 643-7999  
CONTACT: TYLER BEATTY  
EMAIL: tbeatty@ramaker.com

**APPLICANT INFORMATION:**  
AT&T MOBILITY  
7150 STANDARD DR  
HANOVER, MD 21076

**SITE DATA:**  
SITE NAME: MIDDLEFIELD-KICKAPOO  
FA NUMBER: 10034970

PROPERTY OWNER:  
AMERICAN TOWER  
10 PRESIDENTIAL WAY  
WOBURN, MA 01801

ADDRESS:  
134 KICKAPOO ROAD  
MIDDLEFIELD, CT 06455

COUNTY: MIDDLESEX COUNTY

LAT.: 41.51361111°  
LONG.: -72.7458°

GROUND ELEVATION: 770 FT AMSL

DO NOT SCALE DRAWINGS:  
CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

**APPLICABLE BUILDING CODE & STANDARDS**

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

1. INTERNATIONAL BUILDING CODE 2015
2. NATIONAL ELECTRIC CODE 2017
3. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
4. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION
5. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL TOWER AND ANTENNA SUPPORTING STRUCTURES
6. TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN CONNECTICUT

**CALL BEFORE YOU DIG**  
811 OR 1-800-922-4455

CONNECTICUT PUBLIC ACT 87-71 REQUIRES MIN. 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

**SHEET INDEX**

**GENERAL:**

T-1 TITLE SHEET

**NOTES:**

N-1 GENERAL NOTES

**SITE:**

A-1 SITE PLAN & EQUIPMENT LAYOUT  
S-1 FOUNDATION DETAILS

**ELECTRICAL & GROUNDING:**

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- E-2 PANEL AND PENETRATION DETAILS
- E-3 ATS, CONDUIT & GROUND ROD DETAILS
- E-4 GENERAC GENERATOR SPECIFICATIONS
- E-4.1 GENERAC GENERATOR SPECIFICATIONS
- E-4.2 GENERAC GENERATOR SPECIFICATIONS
- E-5 GENERAC ATS SPECIFICATIONS
- E-5.1 GENERAC ATS SPECIFICATIONS

**SIGNATURE BLOCK**

AT&T MGR. \_\_\_\_\_ DATE \_\_\_\_\_

GENERAL DYNAMICS CONSTRUCTION MGR. \_\_\_\_\_ DATE \_\_\_\_\_

SITE ACQUISITION \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD MIDDLEFIELD, CT 06455

SHEET TITLE: TITLE SHEET

SCALE: NONE

PROJECT NUMBER: 52672  
SHEET NUMBER: T-1

## NOTES TO SUBCONTRACTOR:

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
4. CONSTRUCTION SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION SUBCONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
5. SITE GROUNDING SHALL COMPLY WITH AT&T WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T TOWERS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF TOWER.
6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION, IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE ENGINEER.
9. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL..
10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE.
12. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
14. SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAIN AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
15. PERMITS: THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
16. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
17. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT THE LOCAL JURISDICTION'S DIGGER'S HOTLINE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTOR'S EXPENSE.

## GENERAL NOTES:

1. THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A CONCRETE PAD TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELTER AND TOWER.
2. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP

## ACCESS IS REQUIRED)

4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.
5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

## ELECTRICAL NOTES:

## A. GENERAL

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AT&T AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.
3. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED

4. UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS. TEMPORARY EQUIPMENT, CABLES AND WHATEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME, SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.

5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE. IN CASE OF INTERFERENCE, AT&T'S REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.
6. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.
7. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT&T'S REPRESENTATIVE.
8. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.

9. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARDS REFERENCED BELOW:
  - a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
  - b. ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS)
  - c. ETL (ELECTRICAL TESTING LABORATORY)
  - d. IECIA (INSULATED CABLE ENGINEERS ASSOCIATION)
  - e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
  - f. MFBU (NATIONAL BOARD OF FIRE UNDERWRITERS)
  - g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
  - h. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
  - i. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
  - j. UL (UNDERWRITER'S LABORATORY)

10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DEVICES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN TAKEOFF FOR MATERIAL QUANTITY AND TYPES BASED ON ACTUAL SITE CONDITIONS, IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT FURNISHED BY AT&T OR ITS SUPPLIERS. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.

11. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT&T'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.

12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN FIREPROOFED.

## B. WIRING/CONDUIT

1. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) EXIST IN A CONDUIT RUN.
2. ALL POWER AND CONTROL/INDICATION WIRING SHALL BE TYPE THHN/THWN 800V RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.

3. SCHEDULE 80 PVC CONDUIT SHALL BE USED ABOVE GROUND, WHERE ABOVE GRADE IS DEFINED AS THE GROUND OF THE TURN-UP

4. BELL END OR TERMINAL ADAPTER MUST BE INSTALLED ON END OF PVC CONDUIT PER NEC 352.46. 300.4 F, (3)

5. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.

6. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.

7. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.

8. PHASE MARKINGS TO BE USED AT POWER CONDUCTOR TERMINATIONS.

9. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.

10. INSTALL PULL STRING IN ALL CONDUIT.

11. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE RG5, UNLESS OTHERWISE NOTED. FOR RAW LAND SITES AND CO-LOCATES, PVC SCHEDULE 80 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.

12. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.

13. ALL WIRING ROUTED IN PLUMIN TO BE RATED OR IN METALLIC FLEX (LIQUIDITE) CONDUIT.

## C. EQUIPMENT

1. EQUIPMENT/PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (A/C, V, A) OF THAT EQUIPMENT.

2. ALL ELECTRICAL EQUIPMENT OUTSIDE SHALL BE NEMA OR 3R RATED.

## D. GROUNDING

1. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.

2. ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO CAUSE A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.

3. ANY METALLIC ITEM WITHIN 6' OF GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM.

4. EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDE COMPOUND.

5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED.

6. EXACT LOCATION OF GROUND CONNECTION POINTS SHALL BE DETERMINED IN FIELD. ADJUST LOCATIONS INDICATED ON PLANS ACCORDING TO ACTUAL EQUIPMENT LOCATIONS TO KEEP THE GROUND CONNECTION CABLES AS SHORT AS PRACTICAL.

7. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. BONDING JUMPERS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACEWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.

8. ALL EQUIPMENT GROUND CONDUCTORS SHALL BE TIN COATED, #2 AWG COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS.

9. PROVIDE PRE AND POST GROUND TEST RESULTS, USING CLAMP-ON TESTER. TEST RESULTS SHALL BE PHOTOS WITH DIGITAL TIME AND GPS STAMPED/EMBEDDED.

## E. INSPECTION/DOCUMENTATION

1. THE CONTRACTOR, UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS-BUILT DRAWINGS. INFORMATION SHOULD BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THE OWNER.

2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEM'S RECEIPTIVITY (MAX. 5 OHMS).

3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AND INSPECTING AGENCY APPROVED BY AT&T'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.

4. CONTRACTOR SHALL HAVE ATS AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT UL LISTING FOR THAT EQUIPMENT IS NOT VOIDED.



(608) 643-4100 www.ramaker.com

PREPARED FOR:  
  
**GENERAL DYNAMICS**  
 Information Technology, Inc.

Certification & Seal:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.



MARK DATE DESCRIPTION  
 ISSUE PHASE FINAL DATE ISSUED 11/15/2021  
 PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD  
 MIDDLEFIELD, CT 06455

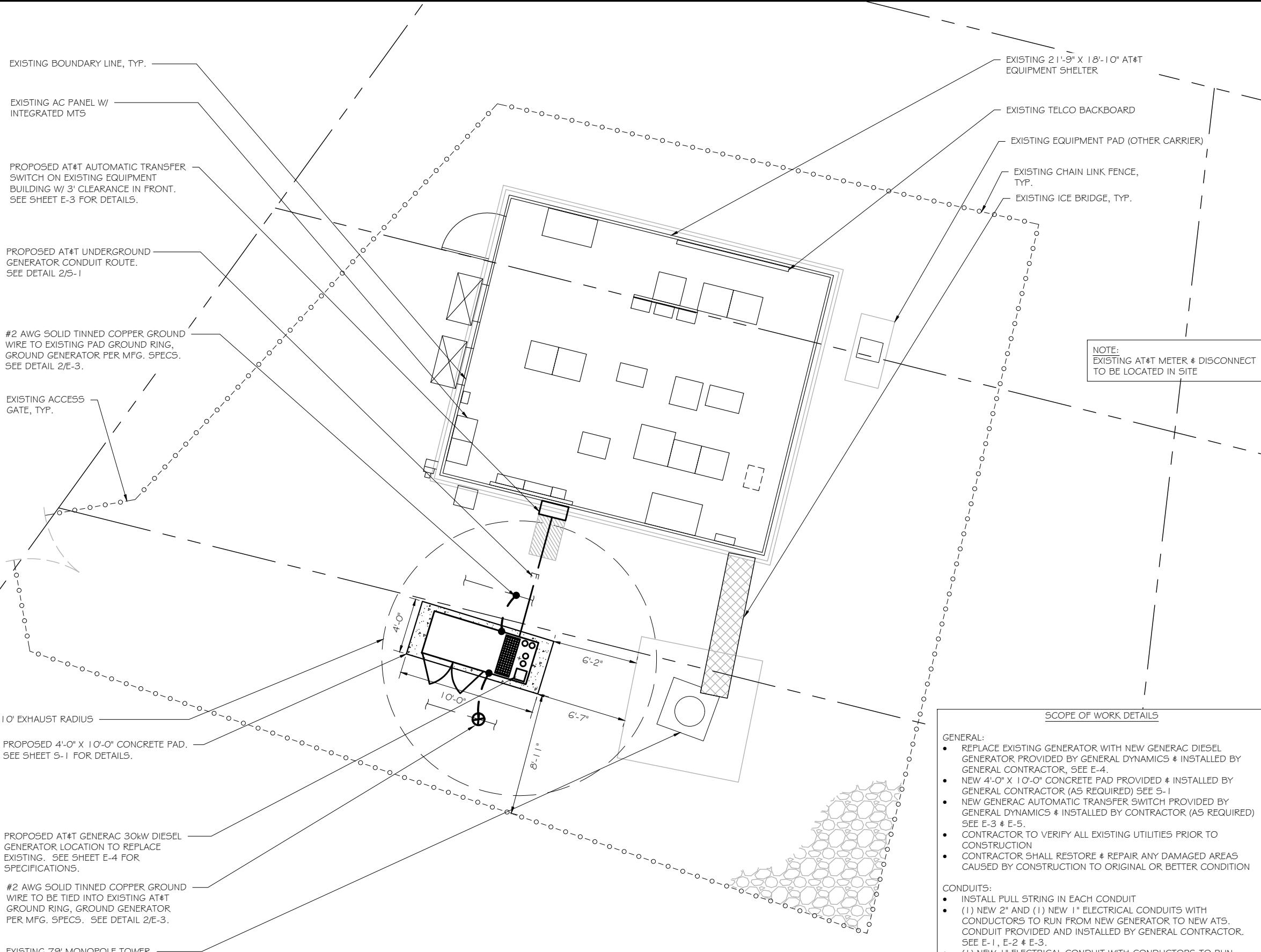
SHEET TITLE: GENERAL NOTES

SCALE: NONE

PROJECT NUMBER 52672  
 SHEET NUMBER N-1



NORTH



SITE PLAN

SCALE: 1" = 7.5'

SCOPE OF WORK DETAILS

GENERAL:

- REPLACE EXISTING GENERATOR WITH NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR, SEE E-4.
- NEW 4'-0" X 10'-0" CONCRETE PAD PROVIDED & INSTALLED BY GENERAL CONTRACTOR (AS REQUIRED) SEE S-1
- NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR (AS REQUIRED) SEE E-3 & E-5.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION

CONDUITS:

- INSTALL PULL STRING IN EACH CONDUIT
- (1) NEW 2" AND (1) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.

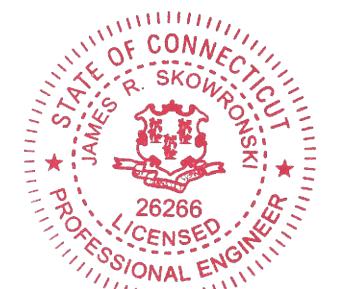
GROUNDING:

- NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART.

CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification & Seal:  
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Signature: *James R. Skowronski* Date: 11/15/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 11/15/2021

PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

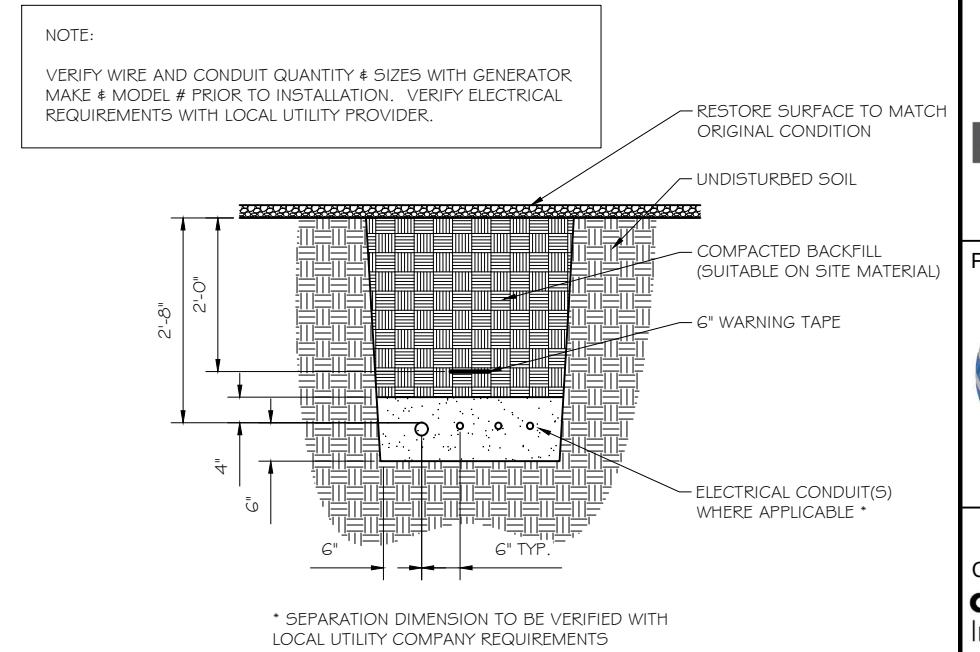
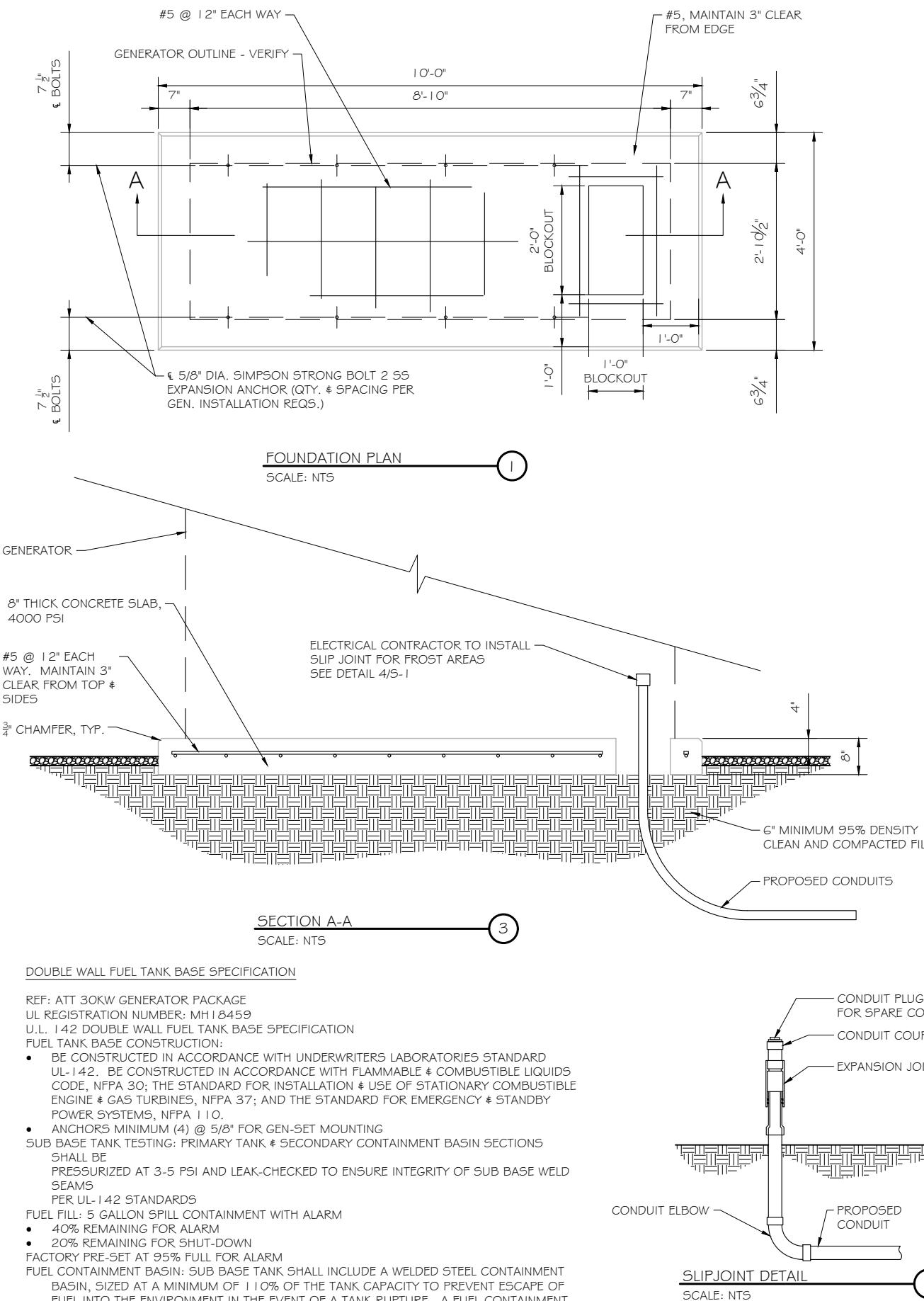
PROJECT INFORMATION: 134 KICKAPOO ROAD  
MIDDLEFIELD, CT 06455

SHEET TITLE: SITE PLAN

0 3.75' 7.5' 15'  
11" x 17" - 1" = 7.5'  
22" x 34" - 1" = 3.75'  
PROJECT NUMBER 52672  
SHEET NUMBER A-1

**RAMAKER**  
employee-owned  
(608) 643-4100 www.ramaker.com

PREPARED FOR:



**NOTES:**

1. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
2. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
3. INSTALL UTILITY PULLBOXES PER NEC.

**UTILITY CONDUIT TRENCH**  
SCALE: NTS

**STRUCTURAL GENERAL NOTES**

**1.0 GENERAL CONDITIONS**

- 1.1 DESIGN & CONSTRUCTION OF ALL WORK SHALL CONFORM TO LOCAL BUILDING CODES, ACI 318-11. IN CASE OF CONFLICT BETWEEN THE CODES, STANDARDS, REGULATIONS, SPECIFICATIONS, GENERAL NOTES AND/OR MANUFACTURER'S REQUIREMENTS, USE THE MOST STRINGENT PROVISIONS.
- 1.2 IT IS THE EXPRESS INTENT OF PARTIES INVOLVED IN THIS PROJECT THAT THE CONTRACTOR OR SUBCONTRACTOR OR INDEPENDENT CONTRACTOR OR THE RESPECTIVE EMPLOYEES SHALL EXCULPATE THE ARCHITECT, THE ENGINEER, TECH. CONSTRUCTION MANAGER, THE OWNER, & THEIR AGENTS FROM ANY LIABILITY WHATSOEVER & HOLD THEM HARMLESS AGAINST LOSS, DAMAGES, LIABILITY OR ANY EXPENSE ARISING IN ANY MATTER FROM THE WRONGFUL OR NEGLIGENT ACT, OR FAILURE TO CARRY METHODS, TECHNIQUES OR PROCEDURES OR FAILURE TO CONFORM TO THE STATE SCAFFOLDING ACT IN CONNECTIONS WITH THE WORK.
- 1.3 DO NOT SCALE DRAWINGS
- 1.4 VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS
- 1.5 DESIGN LOADS ARE (GENERAC):

LIVE LOAD : 100 PSF  
EQUIPMENT SIZE : 889.1" H, 106" W, 38" D  
WEIGHT WITH WOODEN SHIPPING SKID : 3974 LBS  
ENCLOSED GENERATOR : 3974 LBS

- 2.0 FOR DESIGN & ANALYSIS OF THE FOUNDATION, THE MINIMUM NET SOIL BEARING CAPACITY SHALL BE ASSUMED TO BE 2000 PSF.
- 3.0 CONCRETE

3.1 MEET OR EXCEED THE FOLLOWING CODES & STANDARDS:

DESIGN	: ACI318-11
CONSTRUCTION	: ACI301
DETAILING	: CRSI MANUAL OF STANDARD PRACTICE
REINF. STEEL	: ASTM A 615 GRADE 60, DEFORMED
MIXING	: ASTM C 94. READY MIX CONCRETE
AIR ENTRAINMENT	: ACI 318 AND ASTM C-260
AGGREGATE	: ASTM C 33 AND C 330 (FOR LIGHT WEIGHT)

3.2 CONCRETE STRENGTH AT 28 DAYS SHALL BE 4000 PSI MINIMUM

3.3 DO NOT FIELD BEND OR WELD TO GRADE 60 REINFORCED STEEL

3.4 PROVIDE AIR ENTRAINED CONCRETE WITH AIR CONTENT OF 5 TO 7% FOR ALL CONCRETE EXPOSED TO EARTH OR WEATHER.

3.5 MAXIMUM AGGREGATE SIZE: 3/4"

3.6 DO NOT USE IN ADMIXTURE, WATER OR OTHER CONSTITUENTS OF CONCRETE WHICH HAS CALCIUM CHLORIDE.

3.7 MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS SHOWN ON PLAN.

4.0 FOUNDATION & EXCAVATION NOTES

- 4.1 SLAB SHALL BE CONSTRUCTED UPON UNDISTURBED, NATURAL SUBGRADE OR COMPACTED GRANULAR FILL WITH AN ASSUMED MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1800 PSF.

4.2 ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FRO FOUNDATION & SLAB SUBGRADE & BACKFILL AREAS, & THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPAKTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557).

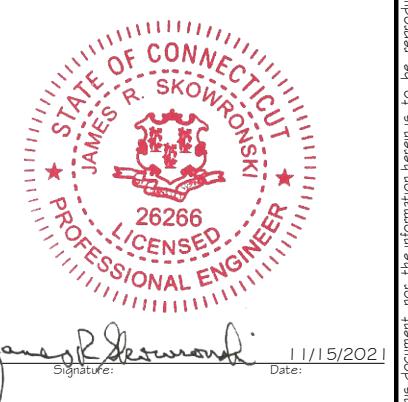
4.3 THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR STRUCTURAL SUBGRADE BEFORE & AFTER PLACING OF CONCRETE, AND UNTIL SUCH CONCRETE HAS FULLY CURED.

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**PREPARED FOR:**  


**CONSULTANT:**  
**GENERAL DYNAMICS**  
Information Technology, Inc.  
GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

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Signature: *James R. Skowronski* Date: 11/15/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 11/15/2021

PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD MIDDLEFIELD, CT 06455

SHEET TITLE: FOUNDATION DETAILS

SCALE: NONE

PROJECT NUMBER 52672

SHEET NUMBER S-1

NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/O	(1) #4	2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/O	(1) #4	2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) 3/O	(1) #4	2"	EMERGENCY POWER FEEDER TO ATS
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10	1"	START CIRCUIT
5	LOAD CENTER (DISTRIBUTION CENTER)	GENERATOR, ATS	(2) #12 (2) #12 (2) #12	(1) #12 (1) #12 (1) #12	1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER CIRCUIT FOR BATTERY CHARGER CIRCUIT FOR ATS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG (RUN TO PURCELL CABINET & INTO ALARM BOX). PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES

CIRCUIT DETAIL  
SCALE: NTS

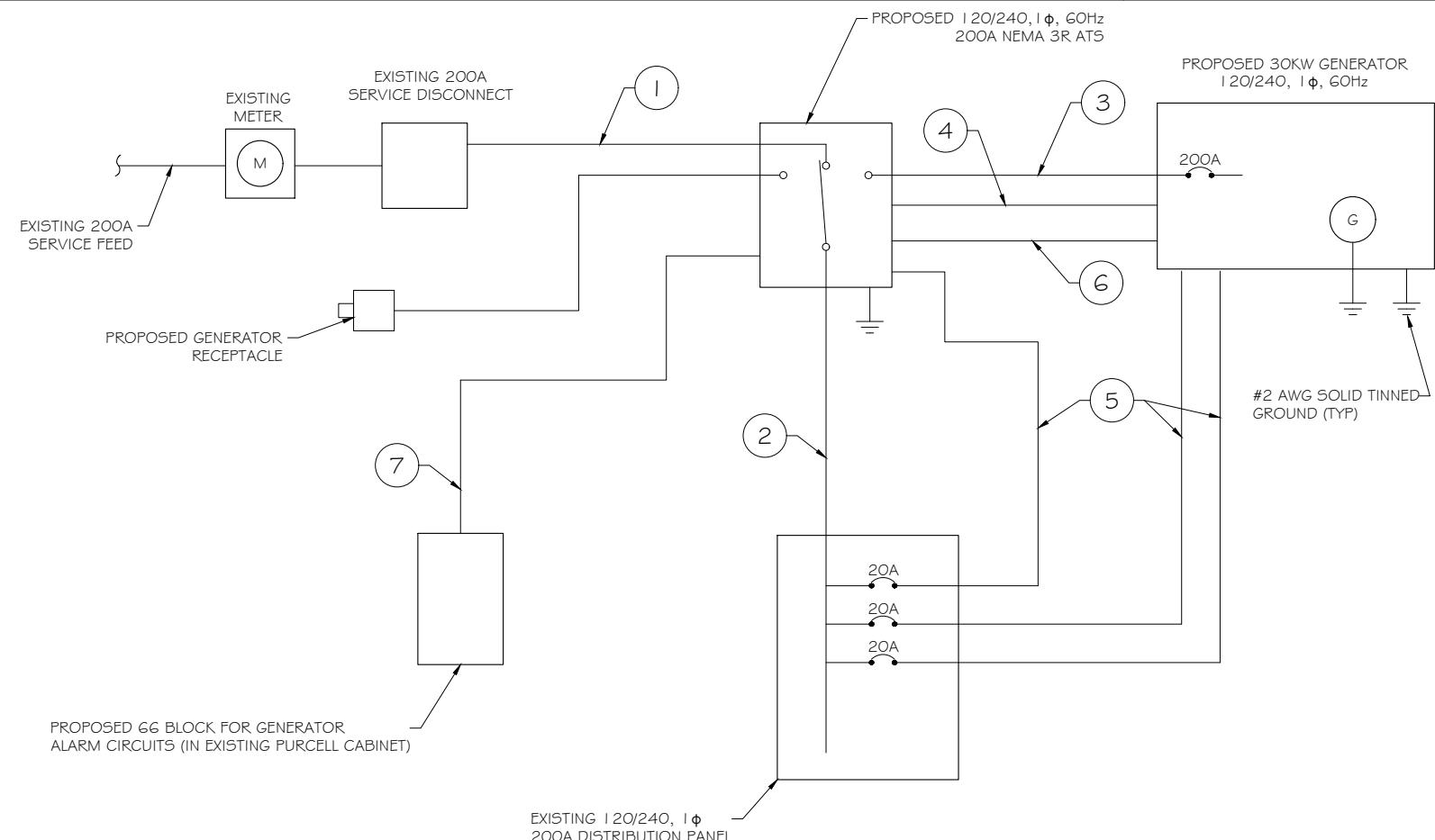
PROPOSED WIRING DIAGRAM  
SCALE: NTS

ALARM WIRE IDENTIFICATION CHART

WIRE	ALARM
BROWN	GENERATOR RUNNING
BROWN / WHITE	
GREEN	CRITICAL FAULT
GREEN / WHITE	
BLUE	MINOR FAULT
BLUE / WHITE	
ORANGE	LOW FUEL
ORANGE / WHITE	
BROWN *	
BROWN / WHITE *	FUEL LEAK

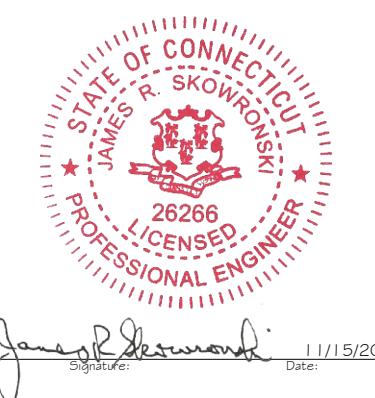
\*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART  
SCALE: NTS



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PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD MIDDLEFIELD, CT 06455

SHEET TITLE: WIRING DETAILS

SCALE: NONE

PROJECT NUMBER 52672  
SHEET NUMBER E-1

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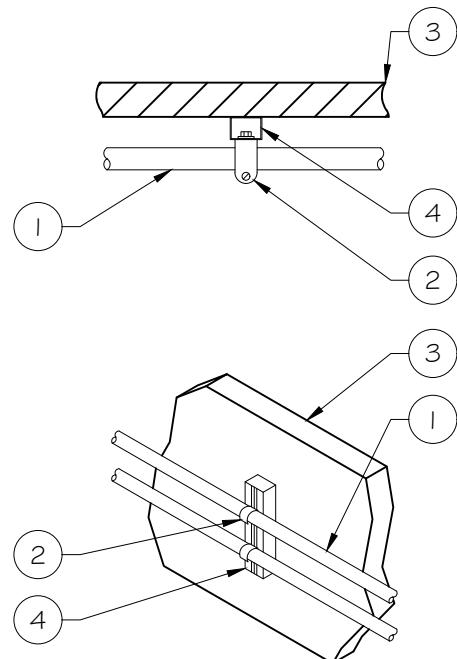




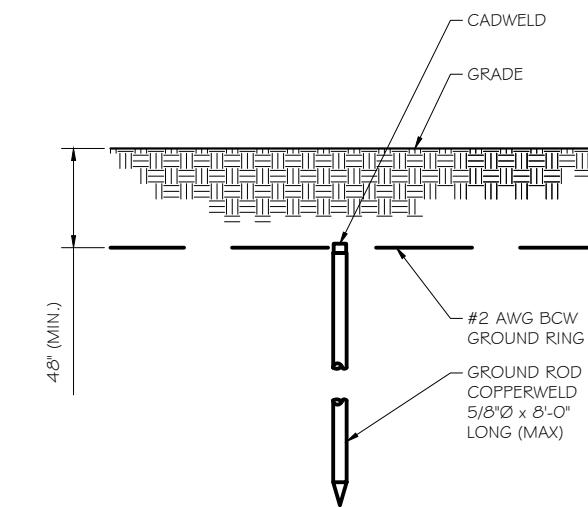
- 1 CONDUIT (TYP)
- 2 BUTTERFLY CLAMP AS REQUIRED
- 3 EXISTING WALL/CEILING
- 4 VERTICAL "UNISTRUT" P1000 'T' SERIES LENGTH BASED ON NUMBER OF CONDUIT TO BE MOUNTED

WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	3/8" DIA. HILTI HY-20 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	3/8" DIA. HILTI HY-150 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"

NOTE: USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT & CONNECTIONS OF CHANNELS SPACE UNITS @ 5'-0" O.C. LENGTH OF RUN



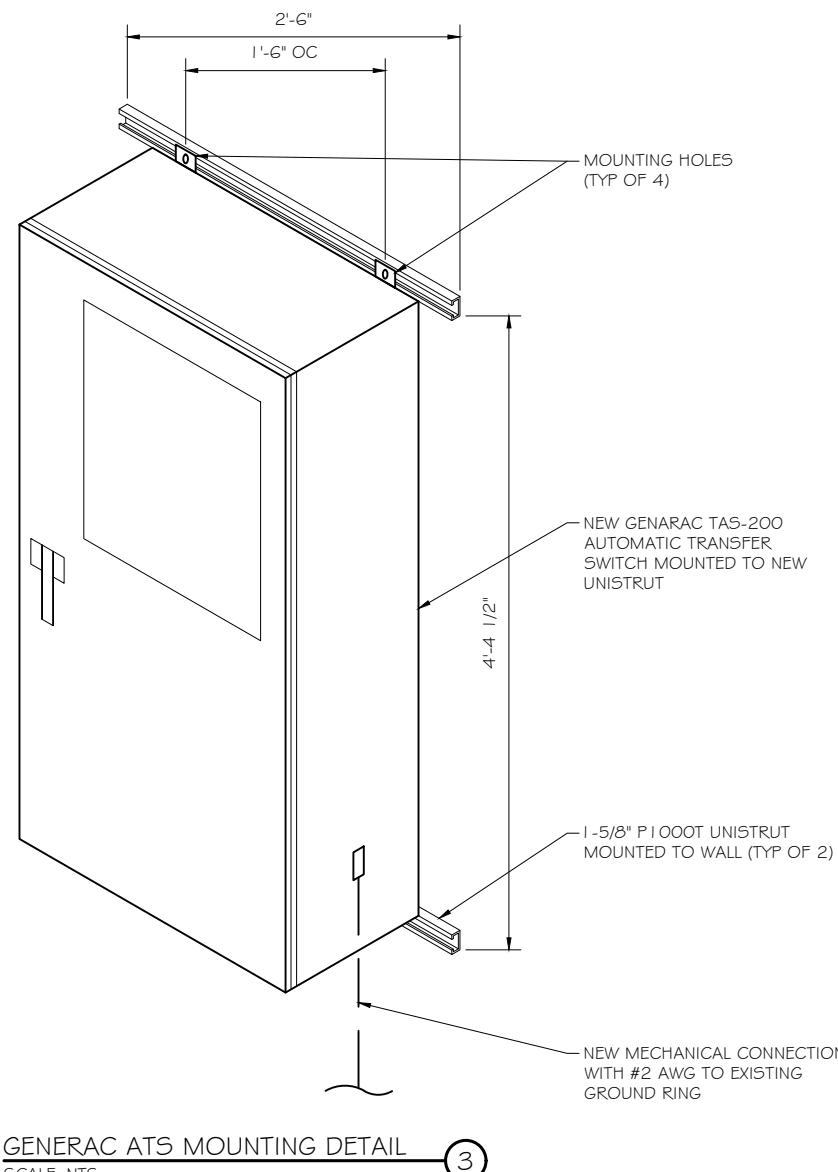
CONDUIT WALL MOUNT  
SCALE: NTS



GROUND ROD DETAIL  
SCALE: NTS

WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-20 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-150 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"

NOTE:  
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS  
2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



GENERAC ATS MOUNTING DETAIL  
SCALE: NTS

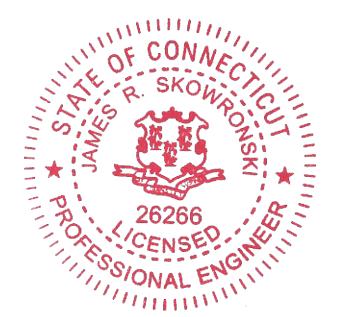
NOTE:

1. GROUND RODS MAY BE:
  - COPPER CLAD STEEL
  - SOLID COPPER
2. GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD
3. SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE
4. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL
5. GROUND RODS INSTALLED WITHIN CLOSE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2,000 OHM-CM, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER, (SEE ANSI/TIA-EIA-222-G)
6. PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR

CONSULTANT:  
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PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD MIDDLEFIELD, CT 06455

SHEET TITLE: ATS, CONDUIT & GROUND ROD DETAILS

SCALE: NONE

PROJECT NUMBER 52672  
SHEET NUMBER E-3

**RAMAKER**  
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PREPARED FOR:  


**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**Standby Power Rating**  
30 kW, 38 kVA, 60 Hz

**Prime Power Rating\***  
27 kW, 34 kVA, 60 Hz



\*EPA Certified Prime ratings are not available in the US or its Territories

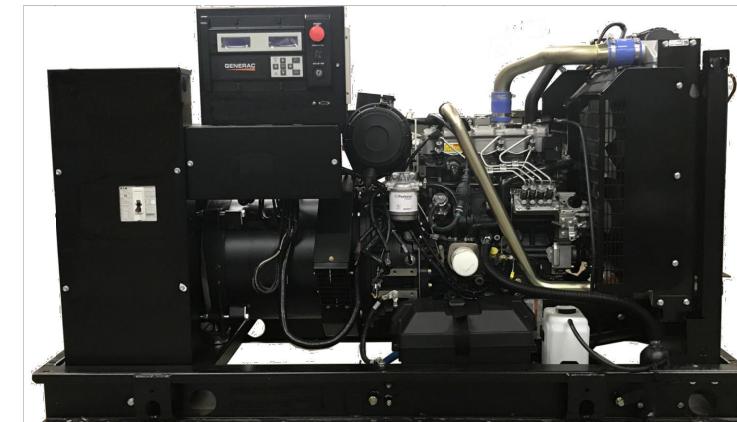


Image used for illustration purposes only

**GENERAC** INDUSTRIAL POWER

## Codes and Standards

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



UL2200, UL508, UL489, UL142



CSA C22.2



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

## Powering Ahead

For over 50 years, Generac has provided 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 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 applications under adverse conditions.

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

SPEC SHEET

1 of 6

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

## STANDARD FEATURES

### ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

### Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

### Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

### Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

### CONTROL SYSTEM



#### Digital H Control Panel- Dual 4x20 Display

##### Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors

##### Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents

### ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

### GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

### ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

### FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

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PREPARED FOR:



CONSULTANT:  
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PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD  
MIDDLEFIELD, CT 06455  
SHEET TITLE: GENERAC 30KW GENERATOR SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER: 52672  
SHEET NUMBER: E-4

## SD030 | 2.2L | 30 kW

### INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

#### CONFIGURABLE OPTIONS

##### ENGINE SYSTEM

- Oil Heater
- Critical Silencer (Open Set Only)
- Radiator Stone Guard
- Level 1 Fan and Belt Guards (Open Set Only)

##### FUEL SYSTEM

- NPT Flexible Fuel Line

##### ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

##### ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

##### GENERATOR SET

- Extended Factory Testing
- 8 Position Load Center
- Pad Vibration Isolation

#### ENGINEERED OPTIONS

##### ENGINE SYSTEM

- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

##### CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

## GENERAC® INDUSTRIAL POWER

## SD030 | 2.2L | 30 kW

### INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

#### APPLICATION AND ENGINEERING DATA

##### ENGINE SPECIFICATIONS

###### General

Make	Perkins
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet

###### Cylinder #

4

Type	In-Line
Displacement - in <sup>3</sup> (L)	135 (2.22)
Bore - in (mm)	3.3 (84)
Stroke - in (mm)	3.9 (100)
Compression Ratio	23.3:1

###### Intake Air Method

Turbocharged

###### Cylinder Head

Cast Iron

###### Piston Type

Aluminum

###### Crankshaft Type

Forged Steel

###### Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.5%

###### Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow
Crankcase Capacity - qt (L)	11.2 (10.6)

###### Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

##### ALTERNATOR SPECIFICATIONS

Standard Model	K0035124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase)
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Brushless
Bearings	Single Sealed
Coupling	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SPEC SHEET

3 of 6



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PREPARED FOR:



CONSULTANT:  
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PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD MIDDLEFIELD, CT 06455

SHEET TITLE: GENERAC 30KW GENERATOR SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER: 52672

SHEET NUMBER: E-4.1

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**OPERATING DATA**

**POWER RATINGS**

Standby		
Single-Phase 120/240 VAC @1.0pf	30 kW	Amps: 125
Three-Phase 120/208 VAC @0.8pf	30 kW	Amps: 104
Three-Phase 120/240 VAC @0.8pf	30 kW	Amps: 90
Three-Phase 277/480 VAC @0.8pf	30 kW	Amps: 45
Three-Phase 346/600 VAC @0.8pf	30 kW	Amps: 36

**MOTOR STARTING CAPABILITIES (skVA)**

skVA vs. Voltage Dip			
277/480 VAC	30%	208/240 VAC	30%
K0035124Y21	61	K0035124Y21	46
K0040124Y21	76	K0040124Y21	58
K0050124Y21	98	K0050124Y21	75

**FUEL CONSUMPTION RATES\***

Diesel - gph (Lph)		
Fuel Pump Lift- ft (m)	Percent Load	Standby
3 (1)	25%	1.0 (3.7)
	50%	1.4 (5.2)
	75%	2.0 (7.5)
	100%	2.8 (10.5)

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

**COOLING**

Standby		
Coolant Flow	gpm (Lpm)	14.9 (56.2)
Coolant System Capacity	gal (L)	2.5 (9.5)
Heat Rejection to Coolant	BTU/hr (kW)	128,638 (136)
Inlet Air	scfm (m <sup>3</sup> /hr)	2,800 (4,757)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.5 (0.12)

**COMBUSTION AIR REQUIREMENTS**

Standby		
Flow at Rated Power scfm (m <sup>3</sup> /min)	88 (2.5)	

**ENGINE**

Standby		
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	49
Piston Speed	ft/min (m/min)	1,181 (360)
BMEP	psi (kPa)	159 (1,096)

\*\* Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

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

Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

Standby - See Bulletin 018750SSB

Prime - See Bulletin 0187510SSB

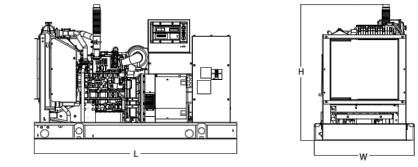
**GENERAC | INDUSTRIAL POWER**

**SD030 | 2.2L | 30 kW**

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**DIMENSIONS AND WEIGHTS\***

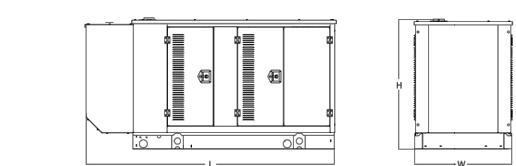


**GENERAC | INDUSTRIAL POWER**

**SD030 | 2.2L | 30 kW**

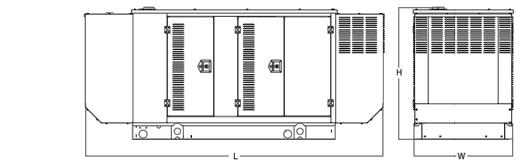
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency



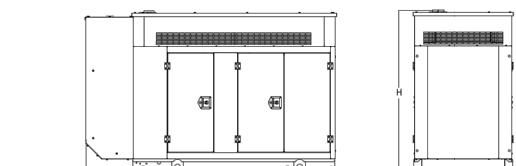
**WEATHER PROTECTED ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
		Enclosure Only	Steel
		Aluminum	
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	1,641 (745)
19	54 (204)	94.8 (2,409) x 38.0 (965) x 57.8 (1,468)	2,121 (963)
47	132 (501)	76.0 (1,930) x 37.4 (950) x 69.8 (1,773)	2,351 (1,067)
75	211 (799)	76.0 (1,930) x 37.4 (950) x 81.8 (2,078)	2,560 (1,162)
107	300 (1,136)	92.9 (2,360) x 37.4 (950) x 81.8 (2,078)	2,623 (1,190)



**LEVEL 1 ACOUSTIC ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
		Enclosure Only	Steel
		Aluminum	
No Tank	-	112.5 (2,857) x 38.0 (965) x 49.5 (1,258)	1,258
19	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,582)	372 (241)
47	132 (501)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)	(230) (154)
75	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)	(230) (154)
107	300 (1,136)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)	(230) (154)



**LEVEL 2 ACOUSTIC ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
		Enclosure Only	Steel
		Aluminum	
No Tank	-	94.8 (2,407) x 38.0 (965) x 61.1 (1,551)	1,551
19	54 (204)	94.8 (2,407) x 38.0 (965) x 74.1 (1,881)	510 (341)
47	132 (501)	94.8 (2,407) x 38.0 (965) x 86.1 (2,186)	(232) (155)
75	211 (799)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)	(232) (155)
107	300 (1,136)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)	(232) (155)

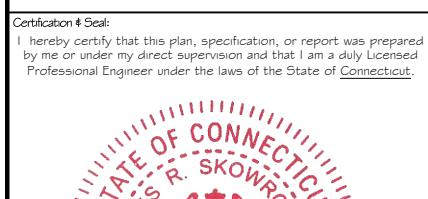
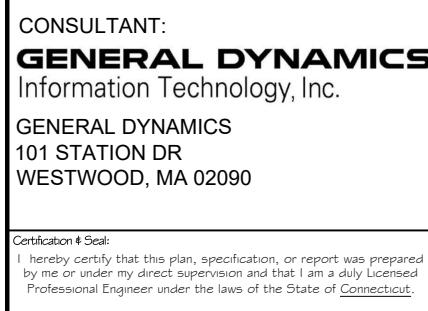
\* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53189

P: (262) 544-4811 ©2018 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No. 10000024842

Rev. B 08/27/18



Signature: *[Signature]* Date: 11/15/2021

PROJECT INFORMATION: MIDDLEFIELD-KICKAPOO FA ID # 10034970

## TTS Series Switches

200 Amps  
600 VAC

**GENERAC** INDUSTRIAL  
POWER

**TAS200**  
200A Automatic Transfer Switch

**TAS200**  
**TAS200**  
1 of 3 2 of 3

### The Generac TAS200 Automatic Transfer Switch

Flexibility for multiple application installations

Multiple generator support with 3 source panel

Designed with a 6 inch touch screen controller for improved user interface

Camlock functionality for mobile generator sources



Image used for illustration purposes only.

### Features

- STEEL CONSTRUCTION
- NEMA 3R ENCLOSURE WITH HINGED "PADLOCKING" DOORS
- STAINLESS STEEL HARDWARE
- CAMLOCK "QUICK CONNECT" CAPABILITY
- OPERATIONAL STATUS VIEW VIA 6 INCH TOUCH SCREEN
- TEST FUNCTION - FAST TEST & NORMAL TEST
- UL1008 LISTED - FOR EMERGENCY SYSTEMS

### Codes and Standards

Generac products are designed to the following standards:



UL1008,  
UL508,  
UL50,  
CSA C22.2 No. 178



NEC 700, 701 and 702

### Optional Features

- EXTENDED WARRANTY
- THREE-PHASE VOLTAGE CONFIGURATIONS



NEMA 250

### Application and Engineering Data

Cabinet Specifications	
Dimensions	24"W x 12"D x 48"H
Weight	210 lbs.
Construction	Single Chamber with Main Door Steel UL Type / NEMA 3R Rated Powder Coat Finish for Corrosion Resistance C-UL-US Listed - Automatic Transfer Switch Stainless Steel Hardware 3-Point Latching System with Pad-Lockable Handles
Mounting Options	Wall H-frame
Installed	Pre-wired alarm terminal strip

Electrical Specifications	
Voltage/Phase/Amps	120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A
Breaker	Eaton 200 amp Utility Breaker Eaton 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350MCM - #6 AWG
Output to Site	350MCM - #6 AWG
Generator Announcer Connector	Deutsch DTM04-12PA-L012
Alarm Terminal Board	Generator Run Alarm
	Generator Fail - Shutdown Alarm
	Generator Fail - Non Shutdown Alarm
	Low Fuel Alarm
	Generator Theft Alarm
	AC Utility Fail Alarm

Camlock Component	
Camlock Component	Shipped loose for multiple installation options
Dimensions	9" W x 9.4" D x 24.25" H
200A Camlock Generator Connection	Single-Phase: Black L1, Red L2, White-Neutral, Green-Ground 3-Phase: Black L1, Red L2, Blue L3, White-Neutral, Green-Ground Uses 4 CH E1016 Male Connectors Mating Connector - CH E1016 Female



**RAMAKER**  
employee-owned  
(608) 643-4100 www.ramaker.com

PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.  
GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification & Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.



Signature: *James R. Skowronski* Date: 11/15/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 11/15/2021  
PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION: 134 KICKAPOO ROAD  
MIDDLEFIELD, CT 06455

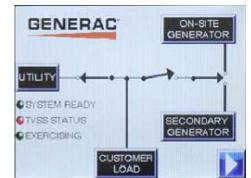
SHEET TITLE: GENERAC ATS SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER 52672  
SHEET NUMBER E-5

**GENERAC** INDUSTRIAL POWER  
**TTS Control Systems**

**Touch Screen Interface**



TAS200

3 of 3

**INDICATORS AND BUTTONS**

<ul style="list-style-type: none"><li>System Ready indicator</li><li>Standby Operating indicator</li><li>Utility Available indicator</li><li>GEN/UTIL Switch Position indicator</li><li>TVSS status</li></ul>	<ul style="list-style-type: none"><li>Normal Test button</li><li>Fast Test button</li><li>Return to Normal button</li><li>Reset button</li><li>Exercising indicator</li></ul>
---	---

**DETAILS SCREEN**

<b>System Settings:</b> <ul style="list-style-type: none"><li>System Voltage/Phases:<ul style="list-style-type: none"><li>120/240V single phase (standard)</li><li>120/208V three phase (optional)</li><li>120/240V three phase (optional)</li></ul></li><li>Utility Fail Monitor:<ul style="list-style-type: none"><li>Under Voltage: 75-95% of nominal voltage</li><li>Over Voltage: 105%-125% of nominal voltage</li><li>Pickup (hysteresis): fixed at 5 volts</li><li>Delay time: 0-60s</li></ul></li><li>Utility Interrupt Delay: 0-60s</li><li>Return to Utility Timer: 1-30 minutes</li><li>Transfer:<ul style="list-style-type: none"><li>In-phase, or</li><li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li></ul></li></ul>	<b>Exercise Settings:</b> <ul style="list-style-type: none"><li>Time of day</li><li>Day of week</li><li>Exercise:<ul style="list-style-type: none"><li>Exercise with/without load</li><li>Exercise once every 1, 2, or 4 weeks</li><li>Exercise time-of-day</li><li>Exercise day of week</li><li>Exercise duration: 15-30 minutes</li></ul></li></ul>
<b>Engine Settings:</b> <ul style="list-style-type: none"><li>Engine Warm-up timer: 0-20 minutes</li><li>Generator Load Accept:<ul style="list-style-type: none"><li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li><li>Voltage: 85-95% of nominal</li><li>Frequency: 85-95% of nominal</li></ul></li><li>Engine Minimum Run Timer: 5-30 minutes</li><li>Engine Cooldown Timer: 0-20 minutes</li></ul>	<b>Screen Settings:</b> <ul style="list-style-type: none"><li>Brightness &amp; Contrast button</li><li>Screen Calibration button</li><li>Startup/Clean screen</li></ul> <b>Diagnostics:</b> <ul style="list-style-type: none"><li>Digital I/O bits status</li><li>Voltage A/D readings</li></ul> <b>Mimic Diagram:</b> <ul style="list-style-type: none"><li>System Ready</li><li>Transfer switch position</li><li>Utility available</li><li>Standby available</li><li>Maintenance/Auto switch position</li><li>Generator source TS position</li><li>TVSS status</li></ul>

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PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.

GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification & Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.



James R. Skowronski  
Signature: \_\_\_\_\_ Date: 11/15/2021

MARK DATE DESCRIPTION  
ISSUE PHASE FINAL DATE ISSUED 11/15/2021  
PROJECT TITLE: MIDDLEFIELD-KICKAPOO FA ID # 10034970

PROJECT INFORMATION:  
134 KICKAPOO ROAD  
MIDDLEFIELD, CT 06455

SHEET TITLE: GENERAC ATS SPECIFICATIONS

SCALE: NONE

PROJECT NUMBER 52672  
SHEET NUMBER E-5.1

# PALISADES DR

**Location** PALISADES DR

**Mblu** 10/ 10.2/ 34-1/ /

**Acct#** 02012010

**Owner** SBC TOWER HOLDINGS LLC

**Assessment** \$113,400

**PID** 142

**Building Count** 1

## Current Value

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$113,400	\$113,400

## Owner of Record

**Owner** SBC TOWER HOLDINGS LLC

**Sale Price** \$0

**Co-Owner** ATTN: PROPERTY TAX DEPT

**Certificate**

**Address** P.O.BOX 723597  
ATLANTA, GA 31139

**Book & Page** 0333/0901

**Sale Date** 12/11/2018

## Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
SBC TOWER HOLDINGS LLC	\$0		0333/0901	12/11/2018
SBC TOWER HOLDINS LLC	\$0		0333/0899	12/11/2018
SBC TOWER HOLDINS LLC	\$0		0318/0808	09/30/2013
AMERICAN TOWER ASSET SUB II LLC	\$502,705		0318/0794	09/30/2013
VINCI REAL PROPERTY LLC	\$0		0185/0019	05/21/2003

## Building Information

### Building 1 : Section 1

#### Year Built:

**Living Area:** 0

**Replacement Cost:** \$0

**Building Percent Good:**

**Replacement Cost**

**Less Depreciation:** \$0

## Building Attributes

Field	Description
Style:	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Whirlpool	
Num Park	
Fireplaces	
Interior	
Solar Panels:	
Fndtn Cndtn	
Basement	
Inserts:	

## Building Photo



(http://images.vgsi.com/photos/MiddlefieldCTPhotos//01/00/25/59.jpg)

## Building Layout

(http://images.vgsi.com/photos/MiddlefieldCTPhotos//Sketches/142\_142.jpg)

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

## Extra Features

### Extra Features

### Legend

No Data for Extra Features

# Land

## Land Use

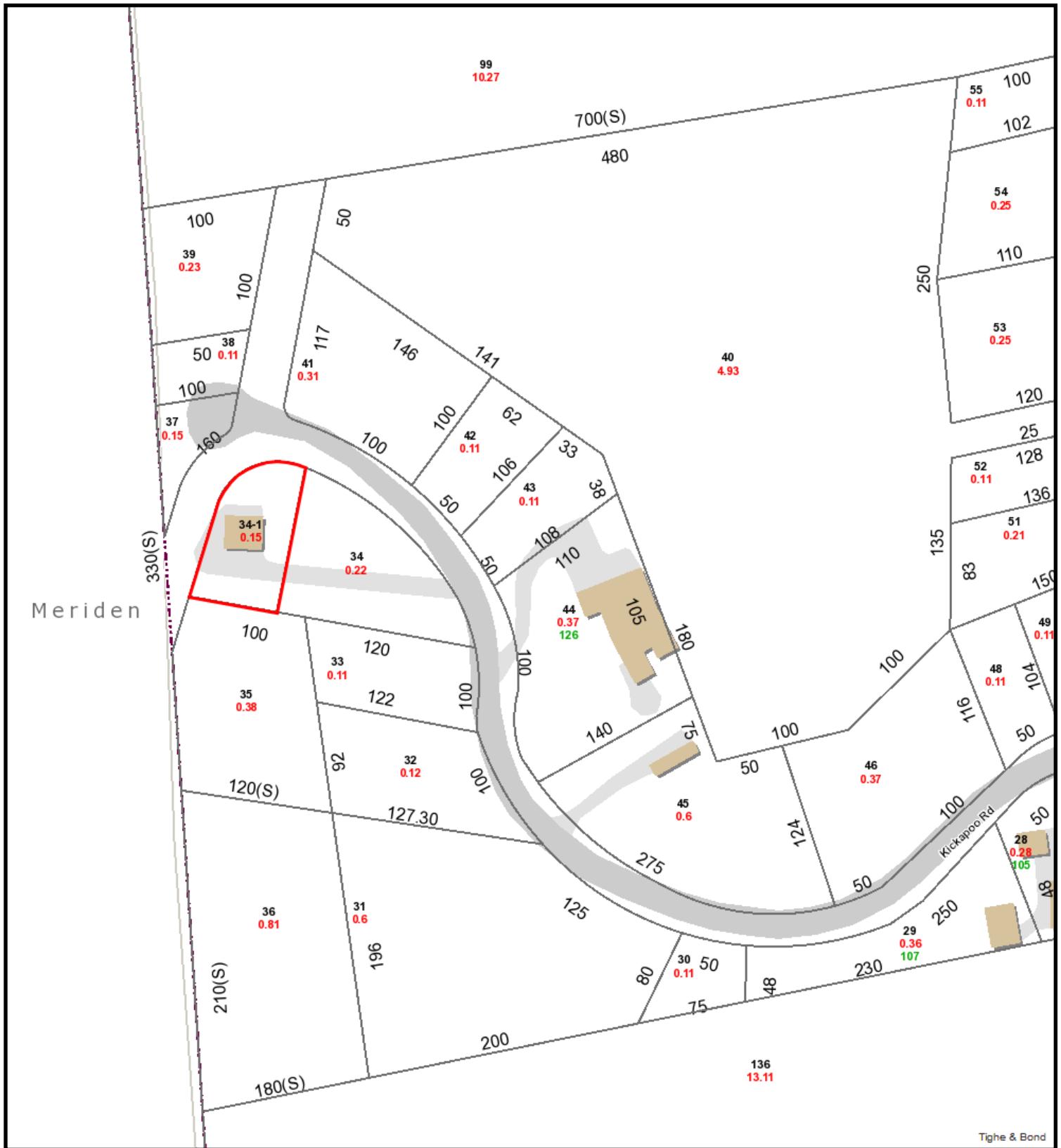
**Use Code** 431V  
**Description** TEL REL TW MDL-00  
**Zone** HD1  
**Neighborhood**  
**Alt Land Appr** No  
**Category**

## Land Line Valuation

**Size (Acres)** 0.15  
**Frontage**  
**Depth**  
**Assessed Value** \$113,400

## Outbuildings

Outbuildings	<a href="#">Legend</a>
No Data for Outbuildings	



134 Kickapoo Road

11/22/2021 2:37:25 PM

Scale: 1"=100'

Scale is approximate



The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

## **ATTACHMENT 2**

AN APPLICATION SUBMITTED BY THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF FACILITIES TO PROVIDE CELLULAR SERVICE IN THE HARTFORD AND MIDDLESEX COUNTIES. : CONNECTICUT SITING COUNCIL : May 15, 1984

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1983, as amended, be issued to Southern New England Telephone for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Shuttle Meadow Road, Southington, Connecticut;  
Mountain Street, Hartford, Connecticut;  
Prestige Park Road, East Hartford, Connecticut;  
Beckley Road, Berlin, Connecticut;  
Slicer tract, Niederwerfer Road, South Windsor, Connecticut; and  
Kikapoo Road, Middlefield, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions.

1. The towers shall be no taller than necessary to provide the proposed service and in no event shall exceed
  - a) 150 feet at the Southington site,
  - b) 100 feet at the Hartford site,
  - c) 150 feet at the East Hartford site,
  - d) 150 feet at the Berlin site,
  - e) 75 feet at the South Windsor site, and
  - f) 75 feet at the Middlefield site.
2. A fence not lower than eight feet shall surround each tower and its associated equipment.

3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities.
4. The applicant or its successor shall permit in accordance with representations made by it during the proceeding public or private entities to share space on the facilities, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
5. Unless necessary to comply with condition number seven, below, no lights shall be installed on any of these towers.
6. The facility construction shall be conducted in accordance with all applicable federal, state, and municipal laws and regulations.
7. The applicant shall submit a development and management plan (D&M) for the South Windsor, Southington, and Berlin sites pursuant to sections 16-50j-85 through 16-50j-87 of the regulations of state agencies, except that irrelevant items in section 16-50j-86 need only be identified as such. The D&M plans shall include appropriate evergreen screening of the sites. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites. The applicant shall consult with Mrs. Claire Aubin and the Town of South Windsor in the preparation of the South Windsor site D&M.
8. Construction activities shall take place during daylight working hours.
9. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and removed,

or reapplication for any new use shall be made to the Connecticut Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction.

10. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p(c) of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the Hartford Courant, Journal Inquirer, and the Middletown Press.

The parties to this proceeding are

Southern New England  
Telephone Company  
Room 314  
227 Church Street  
New Haven, Connecticut 06506

(Applicant)

ATTN: Mr. Peter J. Tyrrell, Esquire

(its attorney)

Town of South Windsor  
1540 Sullivan Avenue  
South Windsor, Connecticut 06074

represented by:

Mr. Richard M. Rittenband  
Town Attorney  
1734 Ellington Road  
South Windsor, Connecticut 06074

Frank Niederwerfer  
260 Niederwerfer Road  
South Windsor, Connecticut 06074

(service waived)

Claire Aubin  
407 Niederwerfer Road  
South Windsor, Connecticut 06074

(service waived)

Betty S. Kleiner  
Chairman  
Hartford Audubon Society, Inc.  
5 Flintlock Ridge  
Simsbury, Connecticut 06070

(service waived)

Roger Thorpe  
2916 Ellington Road  
South Windsor, Connecticut 06074

Intervenors in this proceeding are

Dwight A. Johnson  
Murtha, Cullina, Richter  
and Pinney  
101 Pearl Street  
P.O. Box 3197  
Hartford, Connecticut 06103-0197

representing:

Metromedia TeleCommunications  
Nutmeg Telecommunications, Inc.  
CSI of New Haven  
CSI of Stamford  
Cellular Communications, Inc.  
LIN Cellular Corp.  
Cellular Mobile Services  
Maxcell TeleCommunications, Inc.  
Mobile Cellular Telephone, Inc.  
Cellular Dynamics  
Connecticut Corridor Cellular  
Chase/Post Cellular

C E R T I F I C A T I O N

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

Dated at New Britain, Connecticut, this 15th day of May, 1984.

<u>Council Members</u>	<u>Vote Cast</u>
<u>Gloria Dibble Pond</u> Gloria Dibble Pond Chairperson	Yes
<u>P. G. Boucher</u> Commissioner John Downey Designee: Commissioner Peter G. Boucher	Yes
<u>C. Cooper</u> Commissioner Stanley Pac Designee: Christopher Cooper	Yes
<u>Owen L. Clark</u> Owen L. Clark	Yes
<u>Fred J. Doocy</u>	Yes
<u>Mortimer A. Gelston</u> Mortimer A. Gelston	Yes
<u>James G. Horsfall</u>	Absent
<u>Janet Sitty</u> Janet Sitty	Yes
<u>Colin C. Tait</u>	Absent

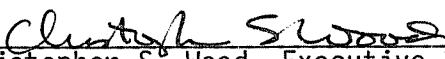
STATE OF CONNECTICUT  
COUNTY OF HARTFORD

)  
:  
) ss.

New Britain, May 15, 1984

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

ATTEST:

  
\_\_\_\_\_  
Christopher S. Wood, Executive Director  
Connecticut Siting Council

## **ATTACHMENT 3**

**CERTIFICATE OF SERVICE**

I hereby certify that on the 6<sup>th</sup> day of December, 2021 one original and two copies of AT&T's Exempt Modification Request was sent to the Connecticut Siting Council electronically and via overnight mail and a copy of the same was sent via Certificate of Mailing to:

First Selectman Edward P. Bailey  
Town of Middlefield  
393 Jackson Hill Road  
PO Box 179  
Middlefield, CT 06455

Robin Newton, AICP, CZEo  
Town of Middlefield  
Community Center Building  
405 Main Street  
Middlefield, CT 06455

SBC Tower Holdings LLC  
Attn: Property Tax Department  
P.O. Box 723597  
Atlanta, GA 31139

American Tower  
10 Presidential Way  
Woburn, MA 01801

Dated: December 6, 2021



---

Daniel Patrick  
Cuddy & Feder LLP  
445 Hamilton Ave, 14<sup>th</sup> Floor  
White Plains, NY 10601  
(914) 761-1300  
Attorneys for the Applicant