

ENROLLED ORDINANCE 176-64

SIXTH AMENDMENT TO LEASE AGREEMENT  
WITH NEW CINGULAR WIRELESS PCS, LLC.

WHEREAS, Waukesha County owns a radio tower (the "Tower") located at 500 Riverview Avenue, City of Waukesha, Waukesha County, State of Wisconsin (the "Site"); and

WHEREAS, New Cingular Wireless PSC, LLC, currently leases the Tower and ground space at the Site for operation of a cellular communications facility pursuant to that certain Tower and Ground Space Lease Agreement dated December 1, 1998, as amended (the "Lease"); and

WHEREAS, New Cingular Wireless PSC, LLC desires to install a redundant emergency power source and update aged equipment at the Site and to modify the footprint of the ground space leased at the Site; and

WHEREAS, the County is willing to permit the upgrades, and otherwise amend the Lease with New Cingular Wireless PSC, LLC without requiring an increase in rent; and

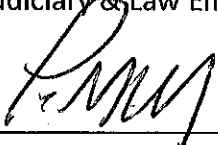
WHEREAS, it is therefore necessary and desirable for the parties to execute an amendment to the Lease to formalize their agreement.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that an amendment to the Lease, substantially in the form attached hereto, for the Sixth Amendment to Tower and Ground Space Lease between the County and New Cingular Wireless PSC, LLC for use of the Tower and surrounding lands, is hereby approved.

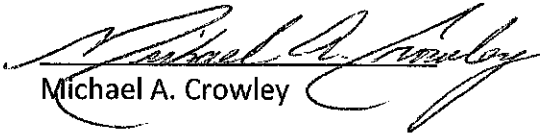
BE IT FURTHER ORDAINED that the Director of Emergency Preparedness or his designee is authorized to finalize and execute the Sixth Amendment to Tower and Ground Space Lease and any other documents necessary to effectuate the intent thereof.

SIXTH AMENDMENT TO LEASE AGREEMENT  
WITH NEW CINGULAR WIRELESS PCS, LLC.

Presented by:  
Judiciary & Law Enforcement Committee



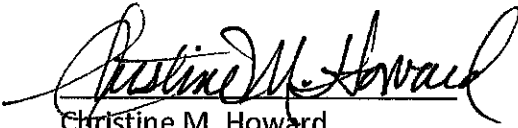
Peter M. Wolff, Chair



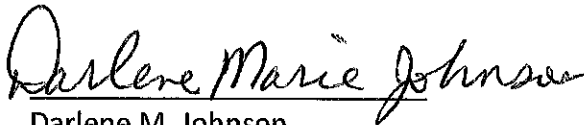
Michael A. Crowley

**Absent**

Tyler J. Foti



Christine M. Howard



Darlene M. Johnson

**Absent**

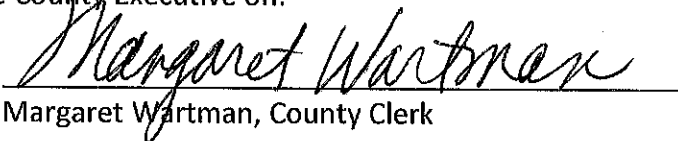
Jacob LaFontain



Larry Nelson

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: 10/1/2021



Margaret Wartman, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved: X

Vetoed: \_\_\_\_\_

Date: 10/1/2021



Paul Farrow, County Executive

Market: IL/WI  
Cell Site Number: WI0159  
Cell Site Name: Downtown Waukesha  
Fixed Asset Number: 10011988

## SIXTH AMENDMENT TO LEASE

THIS SIXTH AMENDMENT TO LEASE (“**Sixth Amendment**”), dated as of the latter of the signature dates below, is by and between Waukesha County, Wisconsin, a quasi-municipal corporation, having a mailing address of 515 W. Moreland Blvd., Waukesha, Wisconsin 53188 (“**County**”) and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, 3<sup>rd</sup> Floor Atlanta, GA 30319 (“**Lessee**”).

WHEREAS, County and Lessee entered into a Lease dated December 1, 1998, as amended by that certain First Amendment to Lease dated June 26, 2012, as further amended by that Second Amendment to Lease dated June 5, 2015, and Third Amendment to Lease dated October 19, 2018, as further amended by that certain Fourth Amendment to Lease Agreement dated June 11, 2020, and as further amended by that certain Fifth Amendment to the Lease Agreement dated April 26, 2021 whereby County leased to Lessee certain Premises, therein described, that are a portion of the Property located at 500 Riverview Avenue, Waukesha, WI 53188 for use as a cellular communications facility (“**Agreement**”); and

WHEREAS, among other things, the Agreement requires that modifications and improvements to the Communication Facility desired by Lessee that would result in additional equipment, change space requirements or change configuration, placement or number of antennas or feedlines are subject to the County’s prior approval, and may result in demand for increased rent or other modification of Agreement terms; and

WHEREAS, Lessee desires to modify the footprint of the Premises and various related easements and to change, modify or relocate various equipment, antennas and/or feedlines on the Communication Facility, which the County is willing to approve so long as the Agreement is otherwise amended as required hereby, and;

WHEREAS, County and Lessee, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, County and Lessee agree to amend the Agreement as follows:

1. **Modification of Leased Premises.** Exhibit A-3 of the Agreement is modified to incorporate the changes to the Premises and related easements as described in Exhibit A-4 attached hereto.
2. **Additional Equipment Modification.** County consents to the installation and operation of the additional equipment described on the attached Exhibit B-4 (the “Additional Equipment”). County’s execution of this Sixth Amendment will signify County’s approval

of Exhibit B-4. Exhibit B-4 hereby supplements Exhibit B-3 to the Agreement with respect to approved equipment upon the Premises.

3. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Agreement and this Sixth Amendment, the terms of this Sixth Amendment shall control. Except as expressly set forth in this Sixth Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this Sixth Amendment.
4. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this Sixth Amendment on the dates set forth below.

**“COUNTY”**

Waukesha County, Wisconsin,  
a quasi-municipal corporation

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

**“LESSEE”**

New Cingular Wireless PCS, LLC,  
a Delaware limited liability company

By: AT&T Mobility Corporation  
Its: Manager

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

LESSEE ACKNOWLEDGEMENT

STATE OF \_\_\_\_\_ )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

On the \_\_\_ day of \_\_\_\_\_ in the year \_\_\_ before me, the undersigned, a notary public in and for said state, personally appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the \_\_\_\_\_ of AT&T Mobility Corporation, the Manager of New Cingular Wireless PCS, LLC, a Delaware limited liability company described herein and that the instrument was signed on behalf of the limited liability company, authority of the limited liability company and that he./she acknowledged this instrument to the be the free act and deed of the limited liability company.

\_\_\_\_\_  
Notary Public: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

COUNTY ACKNOWLEDGEMENT

STATE OF WISCONSIN )  
 ) ss:  
COUNTY OF WAUKESHA )

On this \_\_\_ day of \_\_\_\_\_, 2021 before me, the undersigned, personally appeared Gary Bell, personally known to me or proved to me on the basis of satisfactory evidence to be the Director of Emergency Management for Waukesha County described herein and that the instrument was signed on behalf of Waukesha County, he being authorized to do so, for the purposes therein contained.

\_\_\_\_\_  
Notary Public: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

**EXHIBIT A-4**  
**Description of Premises**

The Property is described and/or depicted as follows:

500 Riverview Avenue, Waukesha, WI

Tax ID No. WAKC1000983

**PROPOSED LEASE AREA DESCRIPTION**

THAT PART OF THE WEST HALF OF THE SOUTH EAST QUARTER OF SECTION 34, TOWNSHIP 7 NORTH, RANGE 19 EAST DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWESTERLY CORNER OF LOT 27 IN GRIFFIN HEIGHTS ADDITION TO WAUKESHA THENCE NORTH 00 DEGREES 41 MINUTES 30 SECONDS WEST ALONG THE WEST LINE OF SAID GRIFFIN HEIGHTS EXTENDED NORTHERLY, 362.87 FEET; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 691.26 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 03 DEGREES 26 MINUTES 45 SECONDS EAST, 25.00 FEET; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 35.00 FEET; THENCE NORTH 03 DEGREES 26 MINUTES 45 SECONDS WEST, 25.00 FEET; THENCE NORTH 86 DEGREES 28 MINUTES 26 SECONDS EAST, 35.00 FEET TO THE POINT OF BEGINNING, CONTAINING 875.00 SQUARE FEET, ALL IN THE CITY OF WAUKESHA, WISCONSIN.

**PROPOSED 12' ACCESS EASEMENT DESCRIPTION**

THAT PART OF THE WEST HALF OF THE SOUTH EAST QUARTER OF SECTION 34, TOWNSHIP 7 NORTH, RANGE 19 EAST DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWESTERLY CORNER OF LOT 27 IN GRIFFIN HEIGHTS ADDITION TO WAUKESHA THENCE NORTH 00 DEGREES 41 MINUTES 30 SECONDS WEST ALONG THE WEST LINE OF SAID GRIFFIN HEIGHTS EXTENDED NORTHERLY, 362.87 FEET TO A POINT ON THE NORTH LINE OF THE AFORESAID LEASE AREA EXTENDED EASTERLY; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 726.75 FEET TO THE NORTHWEST CORNER OF THE AFORESAID LEASE AREA; THENCE SOUTH 03 DEGREES 26 MINUTES 45 SECONDS EAST ALONG THE WEST LINE OF SAID LEASE AREA, 11.00 FEET TO THE POINT OF BEGINNING, LYING 6.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 46.07 FEET; THENCE SOUTH 43 DEGREES 24 MINUTES 45 SECONDS WEST, 79.44 FEET; THENCE SOUTH 03 DEGREES 15 MINUTES 19 SECONDS EAST, 303.56 FEET; THENCE SOUTH 52 DEGREES 12 MINUTES 27 SECONDS EAST, 39.92 FEET; THENCE NORTH 82 DEGREES 52 MINUTES 23 SECONDS EAST, 178.62 FEET; THENCE SOUTH 75 DEGREES 10 MINUTES 00 SECONDS EAST, 163.64 FEET; THENCE NORTH 86 DEGREES 16 MINUTES 52 SECONDS EAST, 261.69 FEET; THENCE NORTH 60 DEGREES 27 MINUTES 37 SECONDS EAST, 90.66 FEET; THENCE NORTH 49 DEGREES 28 MINUTES 48 SECONDS EAST, 137.56 FEET TO A POINT ON THE WEST LINE OF GRIFFIN HEIGHTS ADDITION TO WAUKESHA, SAID POINT ALSO BEING THE POINT OF TERMINATION, CONTAINING 15,617.98 SQUARE FEET, ALL IN THE CITY OF WAUKESHA, WISCONSIN.

**PROPOSED 5' UTILITY EASEMENT DESCRIPTION**

THAT PART OF THE WEST HALF OF THE SOUTH EAST QUARTER OF SECTION 34, TOWNSHIP 7 NORTH, RANGE 19 EAST DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWESTERLY CORNER OF LOT 27 IN GRIFFIN HEIGHTS ADDITION TO WAUKESHA THENCE NORTH 00 DEGREES 41 MINUTES 30 SECONDS WEST ALONG THE WEST LINE OF SAID GRIFFIN HEIGHTS EXTENDED NORTHERLY, 362.87 FEET TO A POINT ON THE NORTH LINE OF THE AFORESAID LEASE AREA EXTENDED EASTERLY; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 726.75 FEET TO THE NORTHWEST CORNER OF THE AFORESAID LEASE AREA; THENCE SOUTH 03 DEGREES 26 MINUTES 45 SECONDS EAST ALONG THE WEST LINE OF SAID LEASE AREA, 2.50 FEET TO THE POINT OF BEGINNING, LYING 2.5 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE; THENCE SOUTH 86 DEGREES 28 MINUTES 26 SECONDS WEST, 49.44 FEET; THENCE SOUTH 43 DEGREES 24 MINUTES 45 SECONDS WEST, 86.44 FEET; THENCE SOUTH 03 DEGREES 15 MINUTES 19 SECONDS EAST, 353.75 FEET; THENCE NORTH 82 DEGREES 19 MINUTES 00 SECONDS EAST, 191.25 FEET; THENCE SOUTH 82 DEGREES 09 MINUTES 45 SECONDS EAST, 84.27 FEET TO THE POINT OF TERMINATION, CONTAINING 3,827.49 SQUARE FEET, ALL IN THE CITY OF WAUKESHA, WISCONSIN.

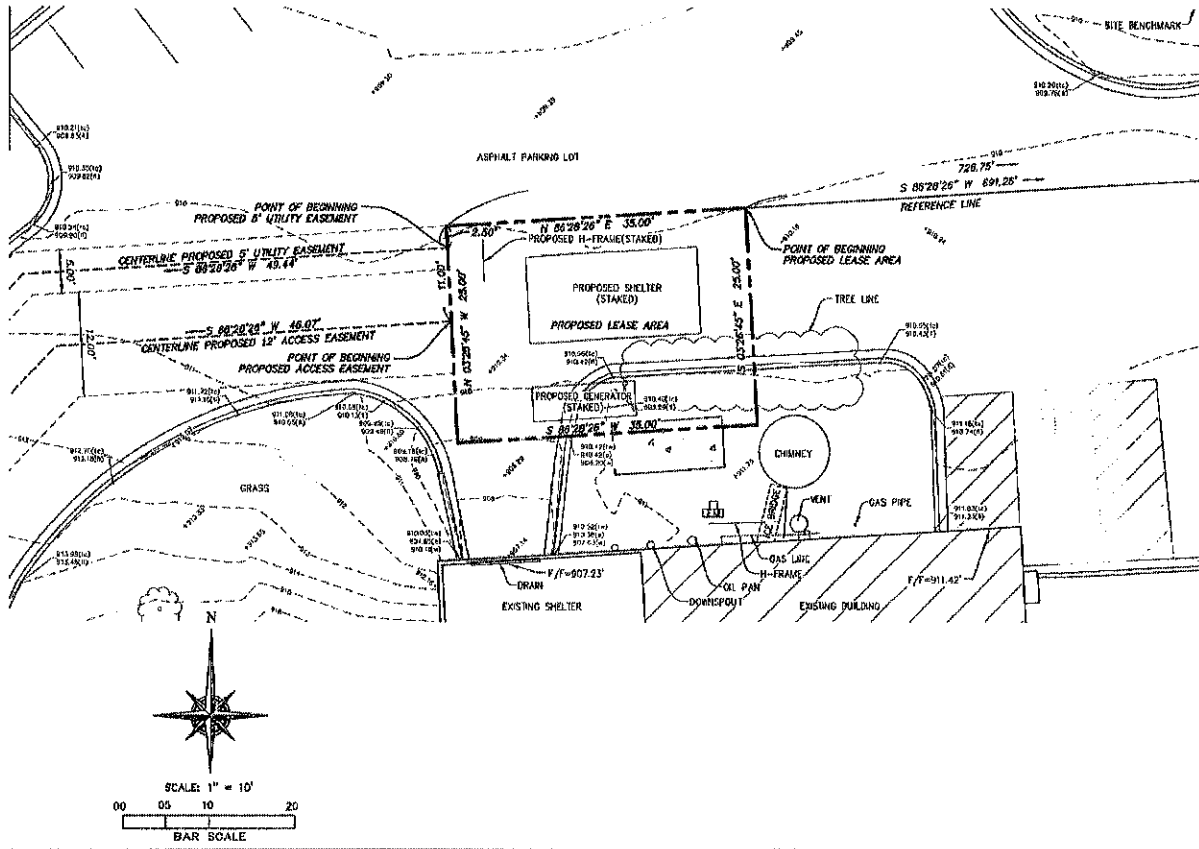






Exhibit B-4



GENERATOR PROJECT  
 SITE NAME: DOWNTOWN WAUKESHA  
 SITE #: WI0159  
 AT&T FA: 10011988  
 NEW STANDBY GENERATOR AT  
 AN EXISTING WIRELESS FACILITY



GENERAL DYNAMICS

9400 WILLIAMSBURG PLAZA  
 COLUMBIA, KY 40022

SITE #: WI0159  
 FA: 10011988  
 DOWNTOWN WAUKESHA  
 500 RIVERVIEW AVENUE  
 WAUKESHA, WI 53188  
 EXISTING CHIMNEY

PROJECT NO: 14636-001-01

CHECKED BY: BLS

ISSUED FOR:

REV DATE DESCRIPTION

0 3/1/21 B.S. PRELIMINARY REVIEW

0 3/1/21 B.S. CONSTRUCTION

B&T ENGINEERING, INC.

CHAD E. TUTTLE

36349-006

TULSA, OK

PROFESSIONAL ENGINEER

5/31/22

IF A MEMBER OF ANY STATE PROFESSIONAL SOCIETY HAS BEEN REVOKED OR SUSPENDED FROM EXERCISING HIS OR HER LICENSE IN THIS STATE, HE OR SHE SHALL NOT BE ELIGIBLE TO REGISTER IN THIS STATE.

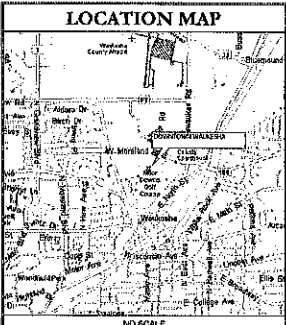
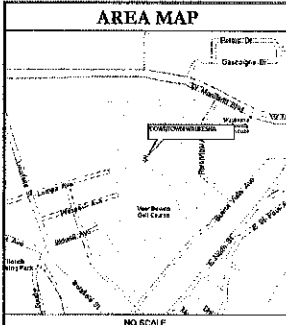
SHEET NUMBER REVISION

T-1 0

PROJECT SUMMARY	
SITE LOCATION:	500 RIVERVIEW AVENUE WAUKESHA, WI 53188 WAUKESHA
COUNTY:	WAUKESHA
SITE NUMBER:	10011988 (WI0159)
TAX PARCEL NUMBER:	WAG10000.063
JURISDICTION:	CITY OF WAUKESHA
NAD83	
LATITUDE:	43.021657°
LONGITUDE:	-88.233678°
CUSTOMER/APPLICANT:	AT&T MOBILITY CORPORATION 1876 DATA DR. MOBILE, AL 35244
AREA OF CONSTRUCTION:	4'x10'
OCCUPANCY TYPE:	UNMANNED
A.G.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
SETBACKS:	T.B.D.

CONTACT INFORMATION	
AGE FIRM:	B+T GROUP 1717 S. BOULDER, STE. 300 TULSA, OK 74118
CONTACT:	PERRY CLYDEBULL (918) 587-4830
PHONE:	
PROJECT MANAGER:	GENERAL DYNAMICS 9400 WILLIAMSBURG PLAZA, SUITE 220 LOUISVILLE, KY 40022
CONTACT:	CONNIE HENSLEY
PHONE:	(502) 306-8970

CODE COMPLIANCE	
ALL WORK SHALL BE PERFORMED AND MATERIALS 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 THESE CODES:	
CODE TYPE	LCM
BUILDING/DWELLING	IBC 2016
STRUCTURAL	IBC 2016
MECHANICAL	IMC 2016
ELECTRICAL	NEC 2017



DRAWING INDEX		
SHEET #	SHEET DESCRIPTION	REV. #
T-1	TITLE SHEET	0
GN-1	GENERAL NOTES	0
A-1	SITE PLAN	0
S-1	FOUNDATION DETAILS	0
E-1	ELECTRICAL DETAILS	0
E-2	ELECTRICAL & GROUNDING DETAILS	0
ATTACHED	GENERATOR SPEC SHEETS	-

A/E DOCUMENT REVIEW STATUS		
TITLE	SIGNATURE	DATE
CARRIER CONST. MGR:		
TUNE VENDOR CONST. MGR:		
SITE ACQUISITION:		
PROPERTY OWNER:		
CONTRACTOR:		

SCOPE OF WORK
THE S.O.W. FOR THIS PROJECT IS TO INSTALL A STANDBY EMERGENCY GENERATOR AT AN EXISTING CELL SITE.
• THE GENERATOR WILL BE PLACED ON TOP OF GROUND ON A POURED-IN-PLACE CONCRETE PAD.
• THERE WILL BE NO CHANGE IN THE SIZE OR HEIGHT OF THE TOWER STRUCTURE.
• GENERATOR DIMENSIONS: 94.8" L x 36" W x 62.5" H
• INSTALL NEW ATS w/ CAMLOCK.
• INSTALL (2) NEW 20A BREAKERS.

DO NOT SCALE DRAWINGS
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11x17.
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
SEE SHEET GN-1 FOR ADDITIONAL CONSTRUCTION NOTES

CALL WISCONSIN ONE CALL  
 (800) 242-8511  
 CALL 3 WORKING DAYS BEFORE YOU DIG!

**NOTES TO SUBCONTRACTOR:**

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE RESOLVED 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 COMPLETE INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACKING, WIDOWING, TIE, 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 WORKMEN 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 ROLE 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 WORKING AND HOLD DESIGN ENGINEER HABLED 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 SITES STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T WIRELESS SERVICES CHECKLIST, LATEST VERSION, WHICH MAY VARY 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 CONFLICTS IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CONNECTED 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. 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. CLEARANCE 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 PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
13. ALL SUITABLE BORROW MATERIAL FOR BACKFILL TO THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DEPOSITED 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 MAINTAINING 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 INCLUDING WORKS 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. IF THE PLANS SHOW SOME KNOWN SUBSURFACE (IF ANY) UNDER 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, PIPES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT ONE CALL NUMBER ON 14 BEFORE GROUND 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 UNFINISHED 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 PERIODS MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR SOOT WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROVIDED.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

**SPECIFICATIONS:**

- A. GENERAL:**
    1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
    2. COORDINATE LOCATION AND REQUIREMENT 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 ERECTION. 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 DRAWINGS. 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 ORIENTATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THIS SERVICE WILL BE INTERRUPTED AND THE AREA AFFECTED. THE REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTED ELECTRICAL SERVICE.
    5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE. IN CASE OF INTERFERENCE, AT&T 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 DIMENSIONAL AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE NOTED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT&T 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 STANDARD REFERENCED BELOW:
      - a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
      - b. ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS)
      - c. ETL (ELECTRICAL TESTING LABORATORY)
      - d. ICA (INSULATED CABLE ENGINEERS ASSOCIATION)
      - e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
      - f. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
      - g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
      - h. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)
      - i. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
      - j. IUL (UNDERWIRELESS LABORATORY)
10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADVISE WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELEC. RICAL DEVICES AND EQUIPMENT WILL BE PROPERLY LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LIST 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 SUPPLIER. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE CONTRACT 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 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 OF EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
  12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN REFINISHED.
- B. WIRING/SPECIFICATIONS:**
    1. PROVIDE PULL BOX AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREES) TOTAL EXIST IN CONDUIT RUN.
    2. ALL POWER AND CONTROL/INDICATION WIRING SHALL BE TYPE THIRTYTHREE NON RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.
    3. CONDUIT BEAMS SHALL BE MADE IN ACCORDANCE WITH #50 TABLE 360-14. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUIT 2" OR LARGER.
    4. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #14AWG.
    5. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE.
    6. ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.
    7. PHASE MARKINGS TO BE ENSURED AT POWER CONDUCTOR TERMINATIONS.
    8. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.
    9. INSTALL PULL STRING IN ALL CONDUIT.
    10. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE RIGID UNLESS OTHERWISE NOTED. FOR RAIN LAID SITES AND COLOCATIONS, PVC SCHEDULE 40 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.
    11. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATION FROM ANY MECHANICAL GAS PIPING.
    12. ALL WIRING INSTALLED IN PLUMB TO BE PLUMB RATED OR IN METALLIC FLEX (GILDED) CONDUIT.
  - C. EQUIPMENT:**
    1. EQUIPMENT PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (NO, C, A) OF THAT EQUIPMENT.
  - D. GROUNDING:**
    1. 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 NOT CAUSE A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAIRED FOLLOWING BONDING.
    2. ANY METALLIC ITEM WITHIN 6" OF GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM.
    3. EXTERIOR ABOVE GROUND GROUNDING CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-CORROSION COMPOUND.
    4. 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.
    5. 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 CONNECTIONS CABLES AS SHORT AS POSSIBLE.
    6. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDING AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. BONDING JUNCTIONS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RENEWAL EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.
    7. ALL EQUIPMENT GROUND CONDUCTORS SHALL BE TIN COATED, #2 AWG COPPER UNLESS NOTED OTHERWISE ON THE DRAWING.
  - 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 ACCEPTABILITY (MAX. 5 COPS).
    3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AN INSPECTING AGENCY APPROVED BY AT&T REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.
    4. CONTRACTOR SHALL HAVE AT&T AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT ALL LISTING FOR THAT EQUIPMENT IS NOT VIOLATED.





**GENERAL DYNAMICS**

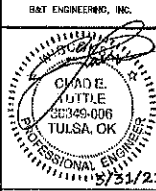
690 WILLIAMSBURG PLAZA  
LEWISVILLE, OH 45222

SITE #: W10159  
FA: 1001988

**DOWNTOWN WAUKESHA**  
500 RIVERVIEW AVENUE  
WAUKESHA, WI 53188  
EXISTING CHIMNEY

PROJECT NO:	M436.003.01		
DRAWN BY:	SLB		
CHECKED BY:	SLB		
<b>ISSUED FOR:</b>			
NO.	DATE	BY	DESCRIPTION
1	3/7/01	SLB	REV. PRODUCTION REVISED
2	3/31/01	SLB	CONSTRUCTION

BRIT ENGINEERING, INC.



CHAD E. TUTTLE  
35349-006  
TULSA, OK  
PROFESSIONAL ENGINEER  
5/31/21

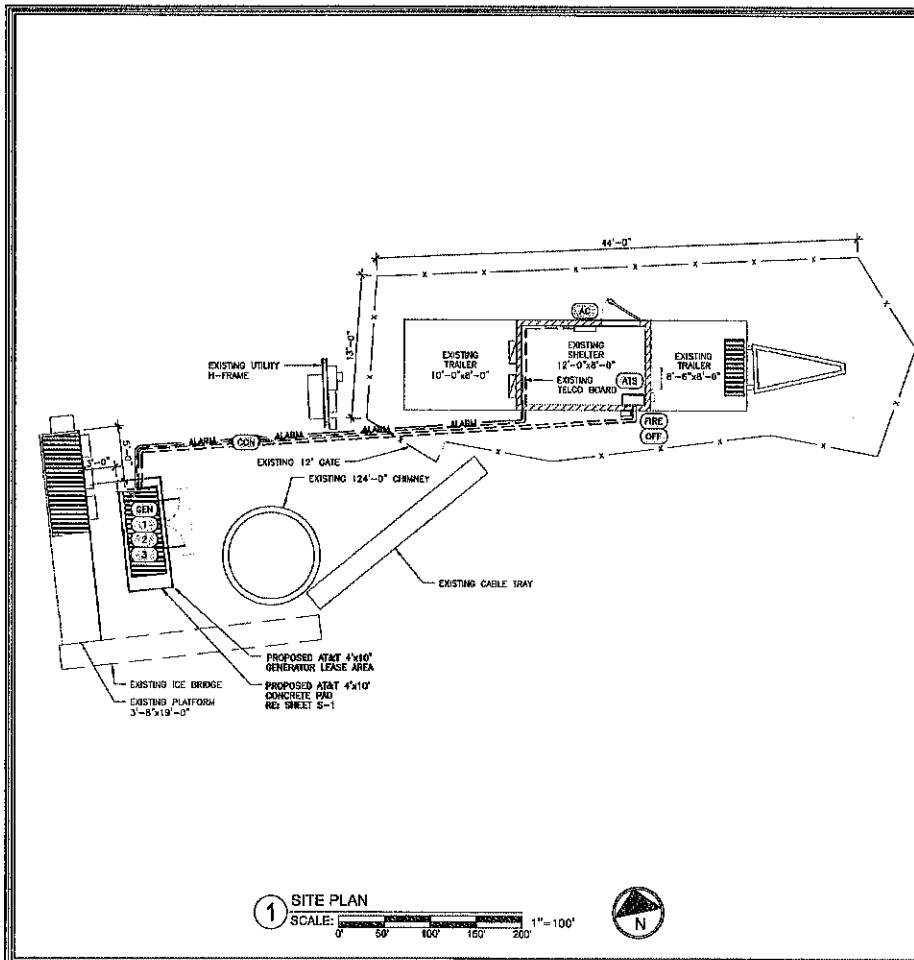
IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE LICENSED UNDER THE PROVISIONS OF THE PROFESSIONAL ENGINEER ACT TO SEAL OR OTHERWISE SIGN THESE DRAWINGS.

SHEET NUMBER:	REVISION:
<b>GN-1</b>	<b>0</b>

Referred to: 09/09/21

File Number: 176-C-068

Referred to: JU 9



- POWER ROUTING KEYED NOTES:**
- (UTS) (E) AT&T A/G BREAKER PANEL/MANUAL TRANSFER SWITCH
  - (WTF) INTERCEPT (E) CONDUIT AND CONDUCTORS AND RE-ROUTE THROUGH NEW ATS (±30'-0"). COORDINATE PATH WITH CONSTRUCTION MANAGER
  - (AC) (E) AT&T AC LOAD CENTER
  - (CON) NEW AT&T UNDERGROUND GENERATOR CONDUIT ROUTE (±10'-0"). CONTRACTOR TO LOCATE (E) UTILITIES PRIOR TO EXCAVATION.
  - (SUB) (E) AT&T 100A SUB-PANEL
- GENERATOR KEYED NOTES:**
- (GEN) NEW AT&T 25KW DIESEL GENERATOR W/ SOUND ATTENUATED ENCLOSURE, NORMAL EMERGENCY TANK ON A CONCRETE PAD. SEE ATTACHED SHEETS S-1.
  - (F1) FUEL FILL SHALL BE PROVIDED WITH SPILL CONTROL, WITH A SOLID FILL CONNECTION, AND WITH OVERFILL PREVENTION.
  - (F2) FUEL TANK NORMAL AND EMERGENCY VENTS SHALL TERMINATE AT LEAST 12'-0" ABOVE THE ADJACENT GRADE.
  - (F3) NFPA 704 PLACARD AND OTHER STORAGE.
- ATS/EQUIPMENT KEYED NOTES:**
- (FIRE) FIRE EXTINGUISHER, (2A-20BC OR APPROVED EQUAL) PER IFC 906.3 III. FIRE EXTINGUISHER CABINET (8FC-7009 OR APPROVED EQUAL), MOUNTED TO BUILDING WALL OR UTILITY FRAME PER IFC 909.9 (5'-0" MAX ABOVE GRADE)
  - (OFF) EMERGENCY SHUTOFF SWITCH, MOUNT TO BUILDING WALL OR UTILITY FRAME PER IFC 906.9 (5'-0" MAX ABOVE GRADE)
  - (ATS) NEW ATS W/ CHOCK MOUNTED ON NEW UTILITY FRAME UNISTRUT RAILS WITH 36" FRONT CLEARANCE. SEE SHEET C-3.
  - (UTR) NEW UTILITY FRAME WITH UNISTRUT RAILS. SEE SHEET C-3.

**NOTES:**

CONTRACTOR TO CALL B11 OR OTHER LOCAL JOINT UTILITY LOCATOR SERVICE TO VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

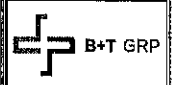
SEE SHEETS E-1 & E-2 FOR CONDUIT & WIRING SPECIFICATIONS/SCHEDULE LINE DRAWING.

CHANGE ORDERS WILL NOT BE ACCEPTED FOR UNAPPROVED WORK.

RE: S/E-1 FOR UTILITY TRENCH DETAILS.

CONTRACTOR TO PURCHASE THE EXCEL 800W DIESEL GENERATOR CONDUIT PACK P/N: AT-800P-DC-BIT AND SHALL PLACE THEM ON THE SITE PER AT&T STANDARDS.

**ALL BELOW GRADE CONDUIT TO BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE.**



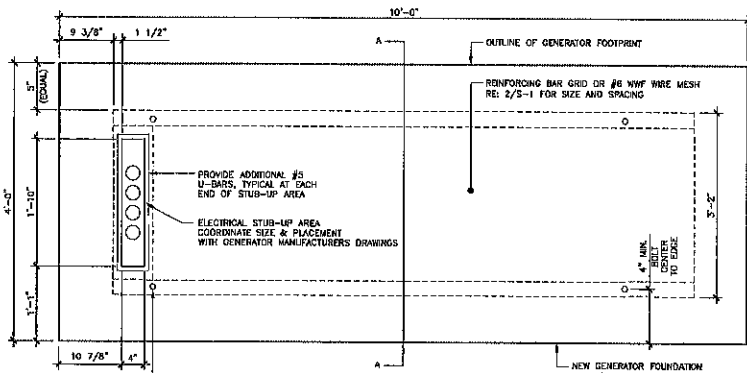
**GENERAL DYNAMICS**  
 940 WILLIAMSBURG PLAZA  
 LOUISVILLE, KY 40202

**SITE #:** WT0159  
**FA:** 10011988  
**DOWNTOWN WAUKESHA**  
 500 RIVERVIEW AVENUE  
 WAUKESHA, WI 53188  
 EXISTING CHIMNEY

PROJECT NO.	16340-000-01	
CHECKED BY:	BLB	
ISSUED FOR:		
REV	DATE	DESCRIPTION
A	2/1/21	RLB PRELIMINARY REVIEW
B	3/31/21	FWP CONSTRUCTION

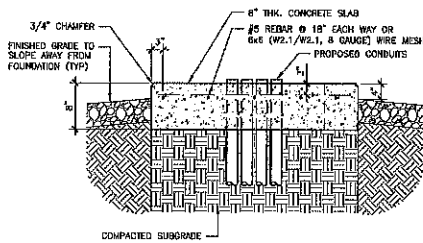
B&T ENGINEERING, INC.

**SHEET NUMBER:** A-1 **REVISION:** 0



MOUNTING HOLES, (2) PER SIDE, W/ 1/2" SHIPSON STRONG-BE STRONG-BOLT 2, STAINLESS STEEL WEDGE ANCHORS, P/N: SER2-S011885, W/ 3 7/8" EMBEDMENT. CONTRACTOR TO COORDINATE EXACT LOCATION W/ MANUFACTURE'S GENERATOR SPECIFICATIONS DESIGNATED INSPECTION COMPANY CONTACT INFORMATION TO BE PROVIDED BY OWNER PRIOR TO START OF CONSTRUCTION. RE: 3/S-1

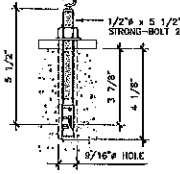
① TYPICAL GENERATOR FOUNDATION PLAN  
SCALE: N.T.S.



② SECTION A-A  
SCALE: N.T.S.

CONTRACTOR TO COORDINATE WITH SPECIAL INSPECTIONS COMPANY PRIOR TO INSTALLATION OF ANCHOR BOLTS

60 FT.-LB OF INSTALLATION TORQUE



③ MOUNTING HOLE DETAIL  
SCALE: N.T.S.

**NOTES**

1. FINAL SITE DESIGN IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
2. UNLESS NOTED OTHERWISE, CONCRETE SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI IN 28 DAYS FOR FOUNDATIONS, SLABS AND CONDUIT ENCLOSURES. CONCRETE SHALL HAVE A NOMINAL SLUMP AND 4.5-5.0% AIR CONTENT. COMPRESSIVE STRENGTH TEST TO BE PERFORMED ON CONCRETE USED FOR FOUNDATION ONLY.
3. UNLESS NOTED OTHERWISE, ALL REINFORCING STEEL SHALL BE ASTM A-618, GRADE 60 DEFORMED BARS.
4. UNLESS NOTED OTHERWISE, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 318).
5. ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE.
6. CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH A 3/4"x45° CHAMFER, UNLESS NOTED OTHERWISE.
7. FINISHED SLAB TO BE LEVEL ± 1/4".
8. FLEXIBLE UTILITY CONNECTIONS WILL BE USED AT UNDERGROUND TO GENERATOR INTERFACES.
9. SLAB FOUNDATION DESIGNED ASSUMING ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF. SLAB FOUNDATIONS BEARING ON CLAY SOILS SHALL HAVE A MAXIMUM SOIL PLASTICITY INDEX OF 27. TESTING AGENCY SHALL FIELD VERIFY CONDITIONS BEFORE PLACEMENT OF CONCRETE.
10. DO NOT USE CHARGES CONTAINING AMMUNITIES. READY MIX CONCRETE SUPPLIERS TO BE REMICA CERTIFIED. HOT WEATHER CONCRETE TO COMPLY WITH ACI 305R. NO ADDITIONAL WATER SHALL BE ADDED TO CONCRETE AT THE JOB SITE.
11. CONCRETE TO BE NORMAL DENSITY WITH A MAXIMUM SLUMP OF 4" INCHES. MAXIMUM AGGREGATE SIZE 3/4".
12. ALL FROM WORK OFFSET TOLERANCES. (PER ACI 117) TO BE CLASS A.
13. INSTALL EQUIPMENT ANCHORAGE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.



**GENERAL DYNAMICS**

240 WILLIAMSBURG PLAZA  
LOUISVILLE, KY 40222

**DOWNTOWN WAKESHA**  
50 RIVERVIEW AVENUE  
WAKESHA, WI 53188  
EXISTING CHIMNEY

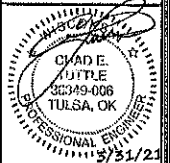
PROJECT NO: 146316-001-01

CHECKED BY: RLB

ISSUED FOR:

REV	DATE	BY	DESCRIPTION
1	2/27/21	RLB	PRELIMINARY REVIEW
2	3/11/21	FMP	CONSTRUCTION

B&T ENGINEERING, INC.

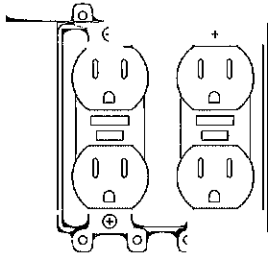


IT IS A VIOLATION OF LAW FOR THE PERSON WHOSE NAME AND NUMBER ARE ON THIS CERTIFICATE TO ACCEPT THE WORK HEREON.

SHEET NUMBER: 1 OF 10

**S-1 0**

NOTE:  
CONTRACTOR TO LABEL GFCI RECEPTACLES  
INSIDE PROPOSED GENERATOR ENCLOSURE.



1 RECEPTACLE DETAIL  
SCALE: N.T.S.

GENERATOR ALARM ID CHART

NAME	DESCRIPTION
CF	CRITICAL FAILURE
FLO	FUEL LEAK OVERFILL
GR	GENERATOR RUNNING
LF	LOW FUEL
MAF	MAJOR FAULT
MF	MINOR FAULT
FL	GEN FUEL LEAK TANK WHI/SLATE

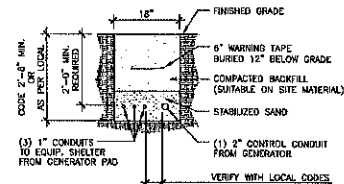
NOTE: CONTRACTOR TO LABEL WIRES W/ P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.

ALARM REQUIREMENTS  
AT&T REQUIRED FOUR ALARMS CONFIRMED WORKING:  
NORMALLY CLOSED VOLT-FREE CONTACT FOR:  
1. GENERATOR RUN  
2. GENERATOR FAN  
3. LOW FUEL  
4. FUEL LEAK

COLOR CODE  
GENERATOR:  
A. CABLE - FOUR 12-PAIR DIRECT BURIAL  
B. COLOR CODE  
1. GENERATOR RUN - ALARM PORT #14 (ORANGE & WHITE)  
2. GENERATOR FAN - ALARM PORT #15 (BLUE & WHITE)  
3. LOW FUEL - ALARM PORT #32 ON I/O BOARD (GREEN & WHITE)  
4. FUEL LEAK - P32 ON I/O BOARD (BROWN & WHITE)  
AUTOMATIC TRANSFER SWITCH (IF APPLICABLE)  
A. CABLE - CAISE  
B. COLOR CODE  
1. COMMERCIAL POWER FAIL IF REQUIRED (BLUE WHITE)  
2. TRANSFER SWITCH POSITION (BROWN WHITE)  
CAM LOCK ALARM  
A. CABLE - CAISE  
B. COLOR CODE  
1. PORTABLE GENERATOR RUNNING (ORANGE WHITE) (IF REQUIRED)

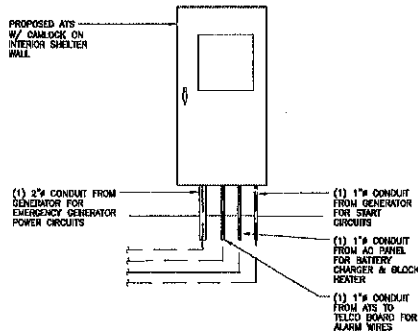
NOTE: PLEASE LEAVE ABOUT 8' OF CAISE FOR SERVICE LOOP AND GROUNDING

2 ALARM PIN-OUT  
SCALE: N.T.S.



NOTES:  
1. SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY CO. REQUIREMENTS.  
2. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.  
3. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC...)  
4. INSTALL UTILITY PULLBOXES PER NEC.

3 UTILITY TRENCH DETAIL  
SCALE: N.T.S.



4 PROPOSED ATS  
SCALE: N.T.S.



GENERAL DYNAMICS

3400 WILLAMSBURG PLAZA  
LOUISVILLE, KY 40222

SITE #: WT0159  
FA: 10011988  
DOWNTOWN WAUKESHA  
500 RIVERVIEW AVENUE  
WAUKESHA, WI 53188  
EXISTING CHIMNEY

PROJECT NO: 164348.002.01

CHECKED BY: JLR

ISSUED FOR:

REV DATE BY REVISION

1 2/21 JLR PRELIMINARY REVIEW

2 3/24/21 PWP CONTRIBUTION

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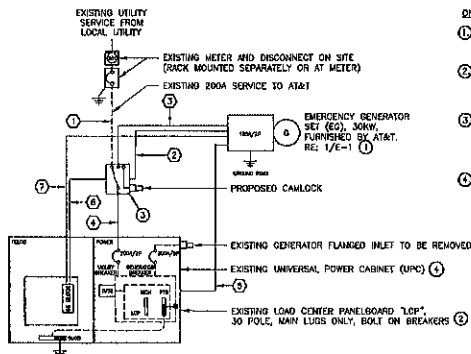
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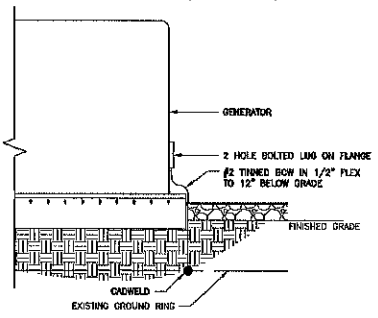
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- ONE LINE DIAGRAM NOTES:**
- CONTRACTOR SHALL FURNISH AND INSTALL CONDUITS AND POWER CONDUCTORS AS INDICATED FROM GENERATOR TO POWER CABINET.
  - CONTRACTOR SHALL PROVIDE AND INSTALL FEEDS FROM POWER CABINET TO GENERATOR FOR BATTERY CHARGER AND BLOCK HEATER AS INDICATED.
  - AUTOMATIC TRANSFER SWITCH (ATS) W/ CAWLOCK, FURNISHED BY CUSTOMER AND INSTALLED BY CONTRACTOR. ATS IS 150/240V, 3 POSITION, 200A, NEMA 3R WITH SINGLE PHASE SENSING, AUTOMATIC ENGINE STARTING, UL LISTED 1008B.
  - DO NOT BOND GENERATOR NEUTRAL TO GROUND OR GENERATOR FRAME. GENERATOR NEUTRAL IS BONDED TO SERVICE ENTRANCE NEUTRAL. BOND VIA SOLIDLY GROUNDED ATS (OPEN TRANSITION, FLOATING NEUTRAL AT GENERATOR)

- NOTES:**
- NEW GENSET PROVIDED BY AT&T AND INSTALLED BY CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ALL MATERIALS, COMPONENTS, ETC. WHICH ARE NOT PROVIDED BY AT&T, GENSET MANUFACTURER OR EQUIPMENT MANUFACTURER AND TO FURNISH A COMPLETE AND OPERATIONAL SYSTEM.
  - ROUTE NEW UNDER GROUND POWER, CONTROL, AND INDICATION CONDUITS FROM GENSET TO EXISTING AT&T EQUIPMENT CABINETS.
  - MAINTAIN ALL CLEARANCES AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
  - PROVIDE AND INSTALL TWO GROUND RODS WITH INSPECTION SLEEVES (ONE AT EACH END OF GENSET FRAME USING AN APPROVED TWO HOLE CONNECTOR, BOND GROUND ROD TO NEAREST SITE BURIED GROUNDING SYSTEM RING. PROVIDE INSPECTION SLEEVE AT CONNECTION POINT. SEE INSPECTION SLEEVE DETAILS.
  - BOND METALLIC CONDUITS TO BURIED GROUND RING (SYSTEM) AS THEY CROSS USING PIPE CLAMP. DO NOT EXOTHERMICALLY WELD TO CONDUIT.
  - BOND ALL EXTERIOR CONDUITS, PIPES AND CYLINDRICAL METALLIC OBJECTS WITH A PENNINGTON OT SERIES CLAMP, BLACKBURN GUY SERIES CLAMP OR A BURNDY GAR 39008H SERIES CLAMP ONLY. NO SUBSTITUTES ACCEPTED.
  - BOND FENCE POST TO GROUND RING (WHERE APPLICABLE) USING AN EXOTHERMIC WELD.

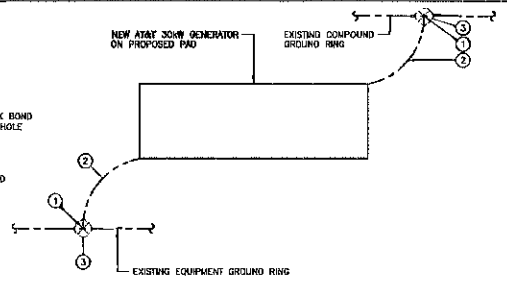
CABLE AND CONDUIT SCHEDULE						
NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	SERVICE PROMOTER	PROPOSED ATS	(3) 3/0	(1) #4	2"	POWER FEED
2	PROPOSED ATS	GENERATOR	(2) #14	(1) #14	1"	START CIRCUIT
3	GENERATOR	PROPOSED ATS	(3) 1/0	(1) #6	2"	POWER FEED
4	PROPOSED ATS	EXISTING CIRCUIT PANEL	(3) 3/0	(1) #4	2"	POWER FEED
5	EXISTING CIRCUIT PANEL	GENERATOR	(4) #12	(2) #12	1"	20 AMP CIRCUIT FOR GENERATOR BLOCK HEATER, BATTERY HEATER & BATTERY CHARGER
6	PROPOSED ATS	EXISTING ALARM	4-PAIR 24 AWG	N/A	1"	ALARM CABLES FROM ATS. PROVIDE 2" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES.
7	GENERATOR	EXISTING ALARM	12-PAIR 24 AWG	N/A	1"	ALARM CABLES FROM ATS. PROVIDE 2" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES.



**ONE LINE DIAGRAM**  
SCALE: N.T.S.

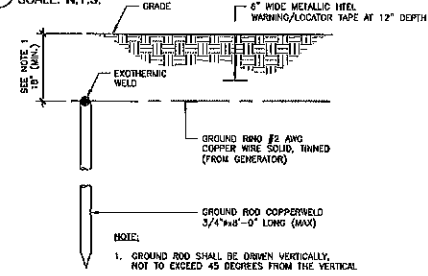
**GROUNDING NOTES**

- BOND TO EXISTING GROUND RING (TYP)
- #2 TINNED BOW IN 1/2" FLEX BOND TO GENERATOR FRAME W/ 2 HOLE BOLTED LUG ON FLANGE.
- 3/4" x 8" COPPER GROUND ROD TO BE INSTALLED WHEN DISTANCE TO EXISTING GROUND RING EXCEEDS 25'. RE: 4/E-2



**TYPICAL GROUNDING PLAN**  
SCALE: N.T.S.

**GENERATOR GROUND DETAIL**  
SCALE: N.T.S.



**GROUND ROD DETAIL (IF REQUIRED)**  
SCALE: N.T.S.

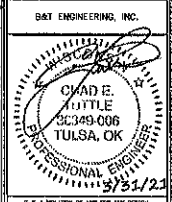


**GENERAL DYNAMICS**  
840 WILLAMSBURG PLAZA  
LOUISVILLE, KY 40222

**SITE #:** WT0159  
**F.A.:** 10011988  
**DOWNTOWN WALKESHA**  
500 ATTERVIEW AVENUE  
WALKESHA, WI 53188  
EXISTING CHIMNEY

**PROJECT NO.:** 146340-001-01  
**CHECKED BY:** D.L.B.

ISSUED DATE:			
REV	DATE	BY	DESCRIPTION
A	2/1/21	D.L.B.	PERMITS/REVIEW
B	3/31/21	F.M.P.	CONSTRUCTION



**STREET NUMBER:** E-2  
**REVISION:** 0

## CONFIGURABLE OPTIONS

### ENGINE SYSTEM

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

### CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxillary Contact
- Electronic Trip Breakers

### ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Enclosure Heater
- Damper Alarm Contacts

### WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

### CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciation
- 120V GFCI and 240V Outlets
- Remote Communication - Modem
- 10A Engine Run Relay

### FUEL TANKS (Size On Last Page)

- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension
- Overfill Protection Valve
- 5 Gallon Spill Box Return Hose
- 5 Gallon Spill Box
- Tank Risers
- Fuel Level Switch and Alarm
- 12' Vent System
- Fire Rated Stainless Steel Fuel Hose

## ENGINEERED OPTIONS

### ENGINE SYSTEM

- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

### CONTROL SYSTEM

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

### ALTERNATOR SYSTEM

- 3rd Breaker System

### GENERATOR SET

- Special Testing

### FUEL TANKS

- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks
- Vent Extensions

**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)

**Cooling System**

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed - RPM	1,980
Fan Diameter - in (mm)	18 (457)

**Fuel System**

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Inject Pump	Distribution Injection Pump
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.31 (7.9) ID
Fuel Return Line - in (mm)	0.2 (4.8) ID

**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 Only)
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Synchronous 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%



**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					
120/240 VAC 1Ø	30%	277/480 VAC 3Ø	30%	208/240 VAC 3Ø	30%
A0035044N21	20	K0035124Y21	61	K0035124Y21	46
A0040044N21	24	K0040124Y21	76	K0040124Y21	58
A0050044N21	31	K0050124Y21	98	K0050124Y21	75

**FUEL CONSUMPTION RATES\***

Fuel Pump Lift- ft (m)	Diesel - gph (Lph)	
	Percent Load	Standby
3 (1)	25%	1.0 (3.7)
	50%	1.4 (5.2)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)	75%	2.0 (7.5)
16.6 (63)	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	cfm (m³/hr)	2,800 (4,757)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Additional Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.5 (0.12)

**COMBUSTION AIR REQUIREMENTS**

	Standby
Flow at Rated Power - cfm (m³/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)

**EXHAUST**

		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	296.6 (8.4)
Max. Allowable Backpressure (Post Turbocharger)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output)	°F (°C)	892 (478)

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

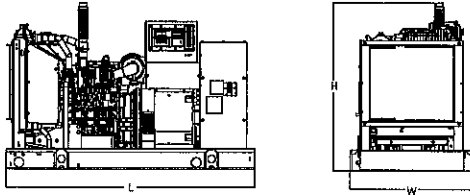
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

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 0187500SSB

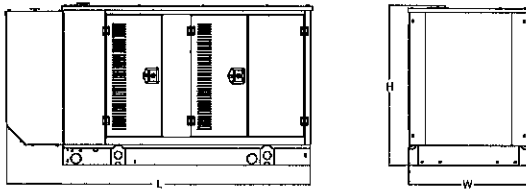
Prime - See Bulletin 0187510SSB

**DIMENSIONS AND WEIGHTS\***



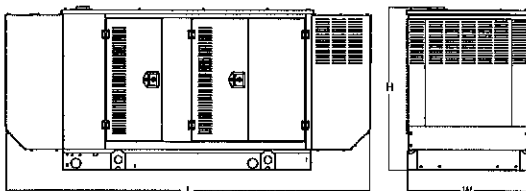
**OPEN SET**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)	
			Steel	Aluminum
No Tank	-	76.0 (1,930) x 37.4 (950) x 44.8 (1,138)	1,456 - 1,641 (661 - 745)	
19	54 (204)	76.0 (1,930) x 37.4 (950) x 57.8 (1,468)	1,936 - 2,121 (879 - 963)	
47	132 (500)	76.0 (1,930) x 37.4 (950) x 69.8 (1,773)	2,166 - 2,351 (983 - 1,067)	
67	190 (719)	76.0 (1,930) x 37.4 (950) x 79.3 (2,014)	2,380 - 2,565 (1,081 - 1,165)	
75	211 (799)	76.0 (1,930) x 37.4 (950) x 81.8 (2,078)	2,375 - 2,560 (1,078 - 1,162)	
107	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.3 (2,167)	2,438 - 2,623 (1,106 - 1,190)	



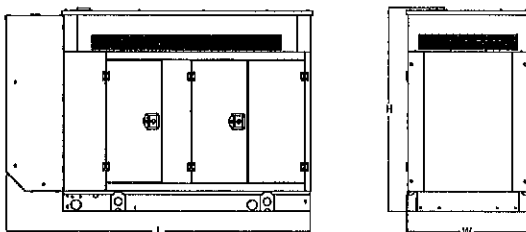
**WEATHER PROTECTED ENCLOSURE**

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)		
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)	372 (169)	241 (109)
67	190 (719)	94.8 (2,409) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	76.0 (1,930) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	92.9 (2,360) x 38.0 (965) x 90.0 (2,287)		



**LEVEL 1 SOUND ATTENUATED 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)		
19	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)	505 (229)	338 (153)
67	190 (719)	112.5 (2,857) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)		



**LEVEL 2 SOUND ATTENUATED 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)		
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)		
47	132 (500)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)	510 (231)	341 (155)
67	190 (719)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)		
75	211 (799)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)		
107	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)		

\* 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.

# Automatic Transfer Switch

200 Amps

Telecom Transfer Switch - TAS200

- Model G0063103-120/240V, Two Pole, Single Phase
- Model G0063113-120/240V, Two Pole, Single Phase with Camlock Component
- Model G0063123-120/208V, Three Pole, Three Phase
- Model G0063133-120/208V, Three Pole, Three Phase with Camlock Component

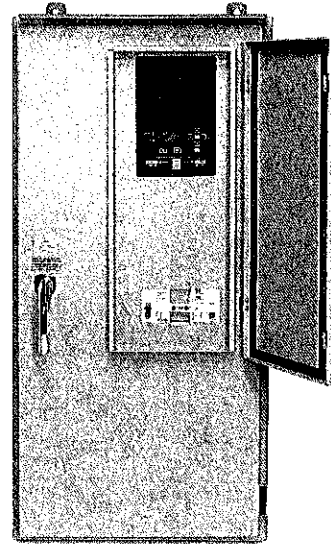


Image used for illustration purposes only

## FEATURES

### CODES AND STANDARDS



ETL Listed



NEC700, 701, 702



NEMA 250

### STANDARD FEATURES

- Flexibility for Multiple Application Installations
- Multiple Generator Support with Three Source Panel
- LCD Display with Mimic Diagram
- Camlock Functionality for Mobile Generator Sources
- Steel Construction
- NEMA 3R Enclosure with Hinged "Padlocking" Doors
- Stainless Steel Hardware
- Camlock "Quick Connect" Capability
- Optional Status View via Controller
- Three-position Test Mode: Fast Test, Auto and Normal Test
- UL1008 Listed
- USB Port for Easy Updates and Data Collection
- Programmable Relay Option

### CONFIGURABLE OPTIONS

- Extended Warranty
- Three Phase Voltage Configurations

### CONTROLLER INTERFACE

#### Display

- 2.9 Inch Graphical LCD

#### Indicators

- Standby Operating Indicator
- Utility Available Indicator
- Generator/Utility Switch Position Indicator
- Auto/Manual Status
- Normal Test and Fast Test Functions
- Return to Normal Button on HMI
- Reset Button on HMI
- Exercising Indicator Alarm

#### Exercise Settings

- Time of Day
- Day of Week
- Exercise Options
  - With or without Load
  - Daily, Weekly, Bi-monthly or Monthly
  - Duration: 0 - 10 Hours

#### Diagnostic

- Digital I/O Bits Status (via Modbus Only)
- Voltage A/D Readings

#### Mimic Diagram

- Transfer Switch Position
- Utility Available
- Standby Available
- Generator Source TS Position

#### USB Port

- Easy Firmware Updates
- Download Historical Data

# Automatic Transfer Switch

200 Amps

Telecom Transfer Switch - TAS200

## SETTINGS

### SYSTEM SETTINGS

System Voltage/Phases	120/240 VAC Single Phase (Standard)
	120/208 VAC Three Phase (Optional)
	120/240 VAC Three Phase (Optional)
Utility Fail Monitor	
Drop Out	Over Voltage 105 - 120%
	Under Voltage 50 - 97%
Pickup	Over Voltage Drop Out Setting -2%
	Under Voltage Drop Out Setting +2%
Under Frequency	54 - 58 Hz
Over Frequency	61 - 66 Hz
Utility Interrupt Delay	0 - 120 Seconds
Return to Utility Timer	0 - 30 Minutes
Transfer	Inphase or Time Delay Neutral: 0.0 - 120.0 Seconds in 1 Second Increments
Generator Load Accept	
Voltage	85 - 95% of Nominal
Frequency	51 - 57 Hz

### ENGINE SETTINGS

Engine Warm-up Time	0 - 30 Minutes
Engine Minimum Run Timer	5 - 30 Minutes
Engine Cooldown Timer	0 - 30 Minutes

### ELECTRICAL SPECIFICATIONS

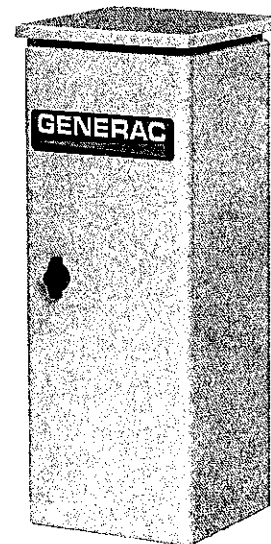
Voltage/Phase/Amps	120/240 Single Phase, 200A
	120/208 Three Phase, 200A
	120/240 Three Phase, 200A
Utility Breaker	Eaton 200A
Generator Breaker	Eaton 200A
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350 MCM - #6 AWG
Output to Site	350 MCM - #6 AWG
Generator Annunciator 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

### CABINET SPECIFICATIONS

Dimensions (W x D x H)	24 in (609.6 mm) x 12 in (304.8 mm) x 48 in (1,219.2 mm)
Weight	210 lbs (95 kg)
Construction	Single Chamber with Main Door, with 3-Point Latching System with Padlockable Handles
Material	Steel
Rating	ETL Type/NEMA 3R
Finish	Powder Coat for Corrosion Resistance
Listing	ETL-US - Automatic Transfer Switch
Hardware	Stainless Steel
Mounting Options	Wall or H-Frame
Installed	Pre-wired Alarm Terminal Strip

### CAMLOCK COMPONENT

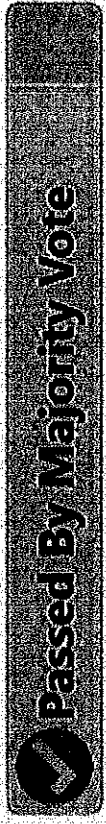
Shipped Loose for Multiple Installation Options	
Dimensions (W x D x H)	9 in (228.6 mm) x 9.4 in (238.8 mm) x 24 in (609.6 mm)
Rating	200A
Generator Connections	
Single Phase	Black L1, Red L2, White-Neutral, Green-Ground
Three Phase	Black L1, Red L2, Blue L3, White-Neutral, Green-Ground
Uses 4 CH E1016 Male Connectors	
Mating Connector - CH E1016 Female	



\* 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.

# Ordinance 176-O-068

Ordinance 176-O-068: Sixth Amendment To Lease Agr...



D1 - Foti	AYE
D2 - Zimmermann	AYE
D3 - Morris	AYE
D4 - Batzko	AYE
D5 - Dondlinger	AYE
D6 - Walz	AYE
D7 - LaFontain	AYE
D8 - Michalski	AYE
D9 - Heinrich	AYE
D10 - Swan	AYE
D11 - Howard	AYE
D12 - Wolff	AYE
D13 - Decker	AYE

D14 - Mommaerts	AYE
	ABSENT
D16 - Crowley	AYE
D17 - Paulson	AYE
D18 - Nelson	AYE
	ABSENT
D20 - Schellinger	AYE
D21 - Gaughan	AYE
D22 - Wysocki	AYE
D23 - Hammitt	AYE
	ABSENT
D25 - Johnson	AYE

September 28 2021 - September 28 2021 07:49:55 PM



1 SIXTH AMENDMENT TO LEASE AGREEMENT  
2 WITH NEW CINGULAR WIRELESS PCS, LLC.  
3  
4

5 WHEREAS, Waukesha County owns a radio tower (the "Tower") located at 500 Riverview  
6 Avenue, City of Waukesha, Waukesha County, State of Wisconsin (the "Site"); and  
7

8 WHEREAS, New Cingular Wireless PSC, LLC, currently leases the Tower and ground space at the  
9 Site for operation of a cellular communications facility pursuant to that certain Tower and  
10 Ground Space Lease Agreement dated December 1, 1998, as amended (the "Lease"); and  
11

12 WHEREAS, New Cingular Wireless PSC, LLC desires to install a redundant emergency power  
13 source and update aged equipment at the Site and to modify the footprint of the ground space  
14 leased at the Site; and  
15

16 WHEREAS, the County is willing to permit the upgrades, and otherwise amend the Lease  
17 with New Cingular Wireless PSC, LLC without requiring an increase in rent; and  
18

19 WHEREAS, it is therefore necessary and desirable for the parties to execute an amendment  
20 to the Lease to formalize their agreement.  
21

22 THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that an  
23 amendment to the Lease, substantially in the form attached hereto, for the Sixth  
24 Amendment to Tower and Ground Space Lease between the County and New Cingular  
25 Wireless PSC, LLC for use of the Tower and surrounding lands, is hereby approved.  
26

27 BE IT FURTHER ORDAINED that the Director of Emergency Preparedness or his designee is  
28 authorized to finalize and execute the Sixth Amendment to Tower and Ground Space Lease  
29 and any other documents necessary to effectuate the intent thereof.