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6/25/21

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  
430 John Street, Bridgeport, CT 06604  
Lat.: 41.1761031°; Long.: -73.1945819°

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 430 John Street in the City of Bridgeport, Connecticut. The underlying property and existing structure are owned by the AT&T Capital Services. 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 80kW Diesel Generator upon an existing concrete pad within the grade-level equipment area as demonstrated on the plans enclosed as Attachment 1. 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 “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.



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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 facility has been an existing radio/tower location since 1966 when it was originally designed as repeater location. The Siting Council acknowledged AT&T’s installation of wireless communication equipment as demonstrated in the Siting Council’s correspondence dated May 1, 1990 enclosed as Attachment 2. The Siting Council thereafter approved AT&T’s modifications to the existing facility (EM-CING-138-135-034-015-051130; EM-AT&T-015-200416). AT&T’s proposed modifications comply with the original approvals and approvals for subsequent modifications.

The proposed modifications will have no impact on the existing facility itself or the radio-frequency emissions as the proposed modifications only consist of the addition of one new generator within the grade-level equipment area. 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. §



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16-50j-73, a copy of this letter and enclosure are being sent to Mayor Joseph P. Ganim of the City of Bridgeport 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 'DP', is written over the typed name 'Daniel Patrick'.

Daniel Patrick

Attachments

cc: Mayor Joseph P. Ganim, City of Bridgeport  
Lynn Haig, AICP, Director of Planning, City of Bridgeport  
AT&T Capital Services  
AT&T  
General Dynamics Information Technology, Inc.  
Lucia Chiochio, Esq.  
Julie Durkin

# **ATTACHMENT 1**





# at&t Mobility

**SITE NAME: BRIDGEPORT CENTRAL SBC CO**  
**FA LOCATION CODE: 10035020**

**GENERATOR PROJECT**  
**80KW GENERAC DIESEL GENERATOR**  
**200A GENERAC ATS**

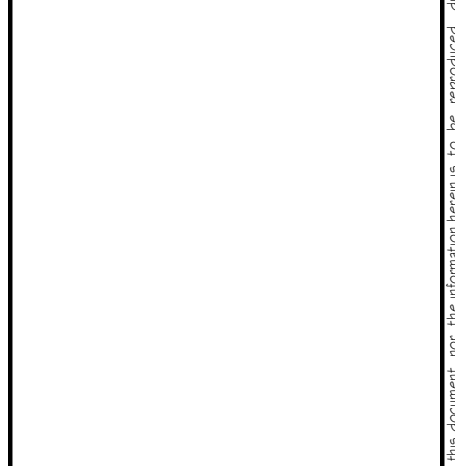
**430 JOHN STREET**  
**BRIDGEPORT, CT 06604**



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

**GENERAL DYNAMICS**  
661 MOORE RD STE 110  
KING OF PRUSSIA, PA 19406

Certification & Seal:



MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 05/25/2021

**BRIDGEPORT CENTRAL SBC CO**  
**FA ID # 10035020**

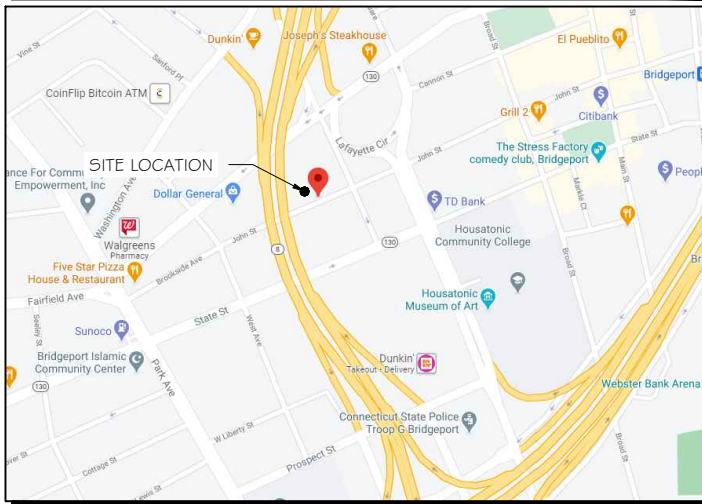
PROJECT INFORMATION:  
430 JOHN STREET  
BRIDGEPORT, CT 06604

SHEET TITLE:  
**TITLE SHEET**

SCALE: NONE

PROJECT NUMBER: 51125  
SHEET NUMBER: T-1

### VICINITY MAP



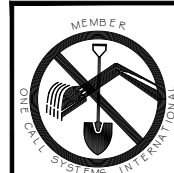
### SCOPE OF WORK

ADD STANDBY GENERATOR, ASSOCIATED CONCRETE PAD, AND UTILITY EQUIPMENT TO EXISTING AT&T EQUIPMENT AREA. THERE WILL BE NO CHANGE IN THE SIZE OR HEIGHT OF THE TOWER OR ANTENNAS.

### 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:

- INTERNATIONAL BUILDING CODE 2015
- NATIONAL ELECTRIC CODE 2014
- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL TOWER AND ANTENNA SUPPORTING STRUCTURES
- TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

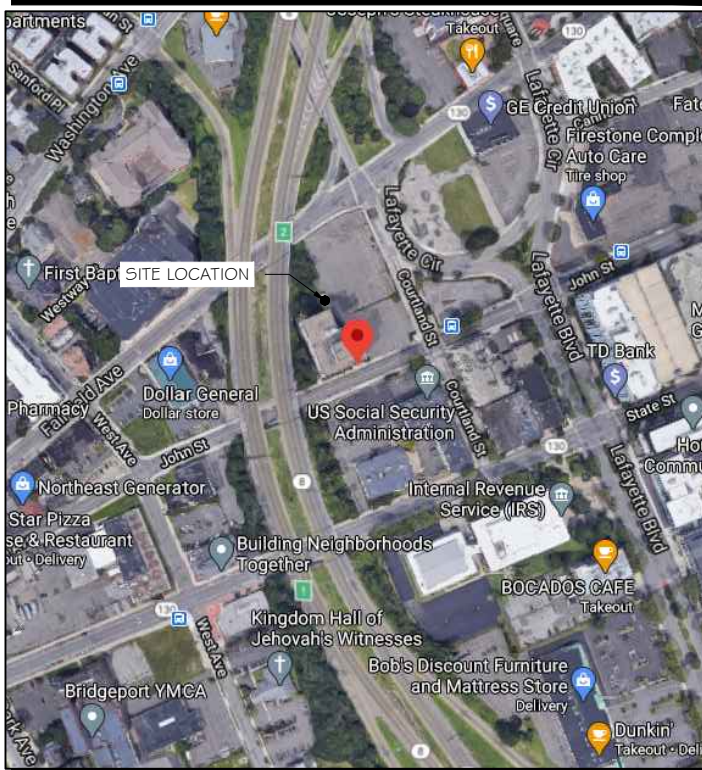


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN CONNECTICUT

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

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

### AERIAL VIEW OF SITE



### PROJECT INFORMATION

#### PROJECT MANAGER:

JOE JARVIS  
MARKET LEAD  
GENERAL DYNAMICS WIRELESS SERVICES  
661 MOORE RD STE 110  
KING OF PRUSSIA, PA 19406  
EMAIL: joseph.jarvis@gdit.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: BRIDGEPORT CENTRAL SBC CO  
FA NUMBER: 10035020

#### PROPERTY OWNER:

AT&T CAPITAL SERVICES  
2000 W. AT&T CENTER DR  
HOFFMAN ESTATES, IL 60196

#### ADDRESS:

430 JOHN STREET  
BRIDGEPORT, CT 06604

#### COUNTY:

FAIRFIELD

LAT.: 41.1761031°  
LONG.: -73.1945819°

#### GROUND ELEVATION:

15' 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.

### SHEET INDEX

#### GENERAL:

T-1 TITLE SHEET

#### NOTES:

N-1 GENERAL NOTES

#### SITE:

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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 ATS SPECIFICATIONS

### SIGNATURE BLOCK

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

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

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



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. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)
  - e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
  - f. MBFU (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 (380 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 352.4G. 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 1/2" 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 RGS, 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 PLENUM 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 RECEPTIVITY (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.

PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification # Seal:


MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 05/25/2021

PROJECT TITLE:  
**BRIDGEPORT CENTRAL  
 SBC CO  
 FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**GENERAL NOTES**

SCALE: NONE

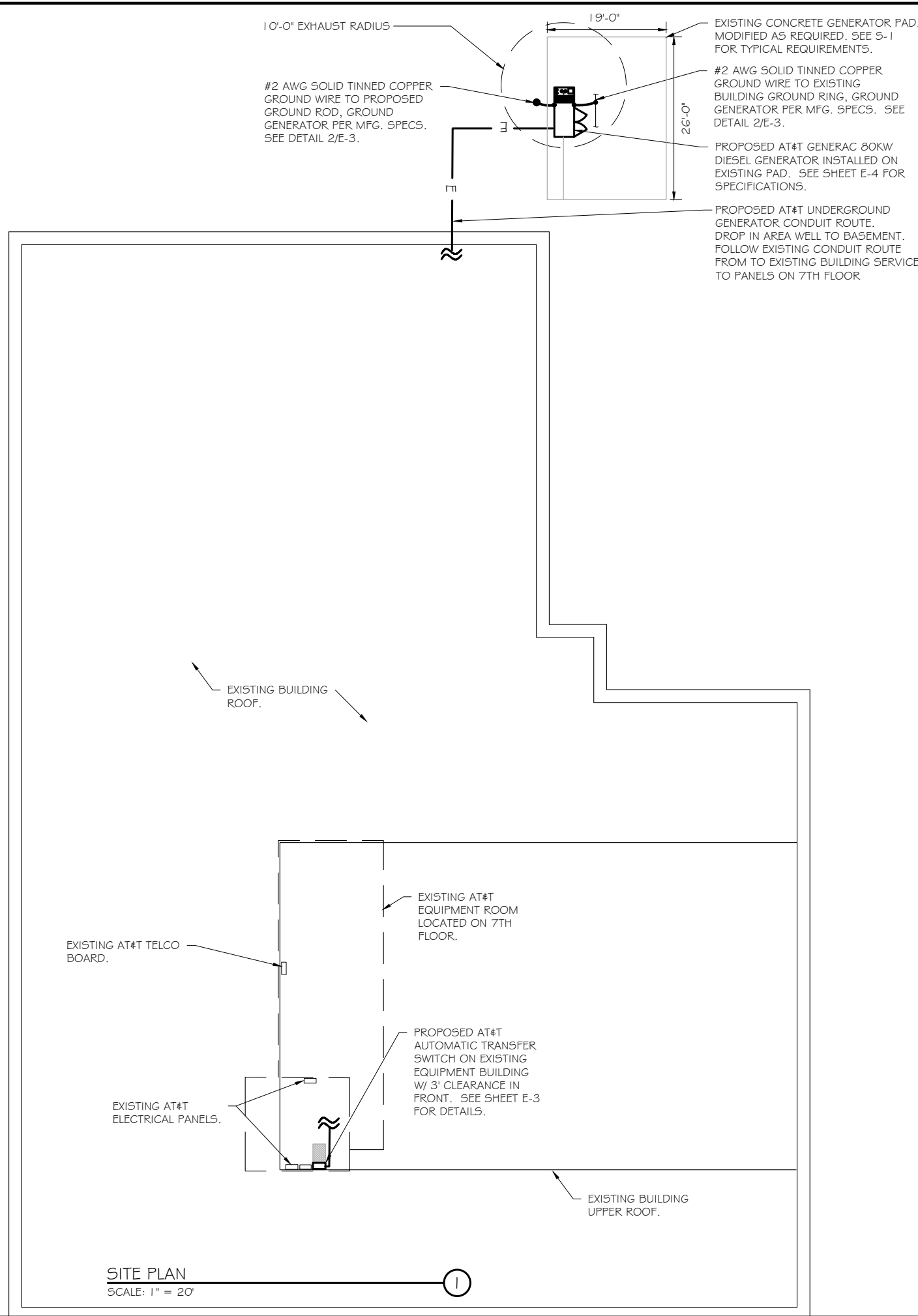
PROJECT NUMBER	51125
SHEET NUMBER	N-1

SCOPE OF WORK DETAILS

- GENERAL:**
- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR, SEE E-4.
  - NEW 4'-0" X 1'0"-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.



PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:


MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 05/25/2021

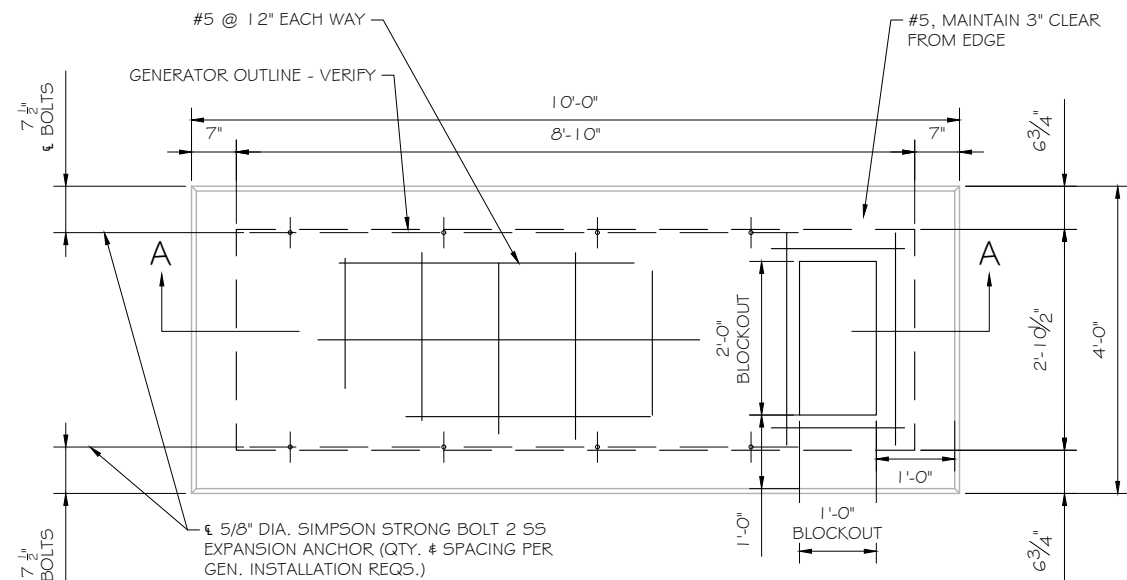
PROJECT TITLE:  
**BRIDGEPORT CENTRAL SBC CO**  
**FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

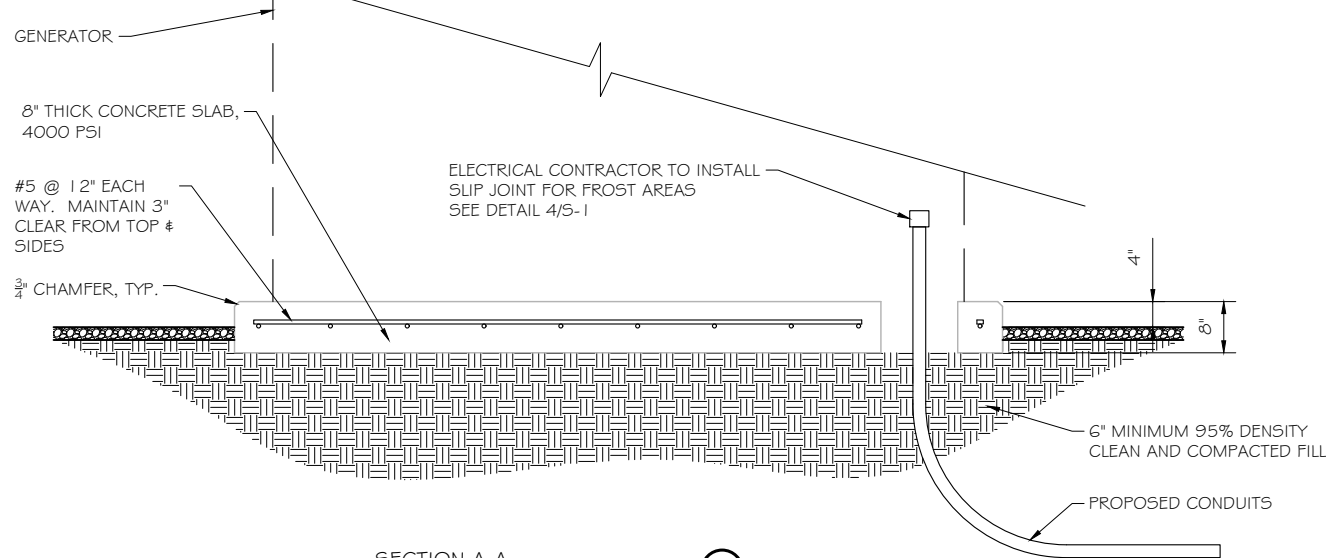
SHEET TITLE:  
**SITE PLAN**

11" x 17" - 1" = 20'  
 22" x 34" - 1" = 10'

PROJECT NUMBER: **51125**  
 SHEET NUMBER: **A-1**



**FOUNDATION PLAN**  
 SCALE: NTS

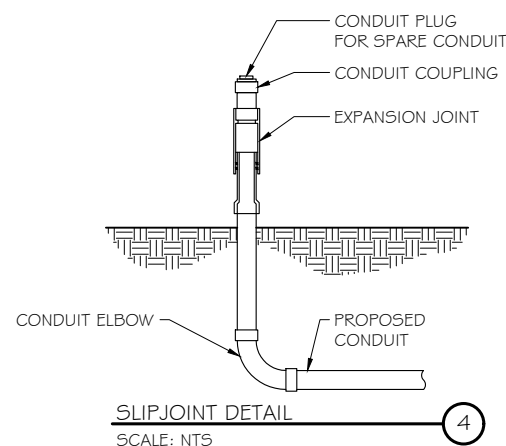


**SECTION A-A**  
 SCALE: NTS

**DOUBLE WALL FUEL TANK BASE SPECIFICATION**

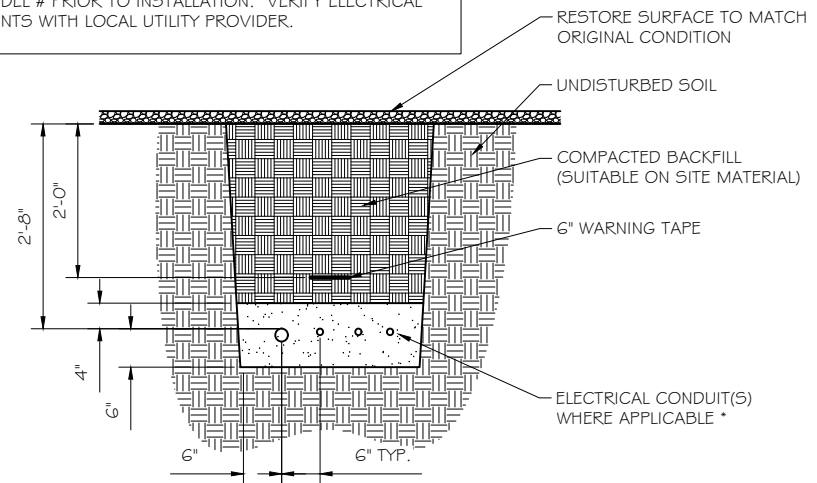
REF: ATT 80KW GENERATOR PACKAGE  
 UL REGISTRATION NUMBER: MH18459  
 U.L. 142 DOUBLE WALL FUEL TANK BASE SPECIFICATION  
 FUEL TANK BASE CONSTRUCTION:

- BE CONSTRUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL-142. BE CONSTRUCTED IN ACCORDANCE WITH FLAMMABLE & COMBUSTIBLE LIQUIDS CODE, NFPA 30; THE STANDARD FOR INSTALLATION & USE OF STATIONARY COMBUSTIBLE ENGINE & GAS TURBINES, NFPA 37; AND THE STANDARD FOR EMERGENCY & STANDBY POWER SYSTEMS, NFPA 110.
- ANCHORS MINIMUM (4) @ 5/8" FOR GEN-SET MOUNTING
- SUB BASE TANK TESTING: PRIMARY TANK & SECONDARY CONTAINMENT BASIN SECTIONS SHALL BE PRESSURIZED AT 3-5 PSI AND LEAK-CHECKED TO ENSURE INTEGRITY OF SUB BASE WELD SEAMS PER UL-142 STANDARDS
- FUEL FILL: 5 GALLON SPILL CONTAINMENT WITH ALARM
  - 40% REMAINING FOR ALARM
  - 20% REMAINING FOR SHUT-DOWN
- FACTORY PRE-SET AT 95% FULL FOR ALARM
- FUEL CONTAINMENT BASIN: SUB BASE TANK SHALL INCLUDE A WELDED STEEL CONTAINMENT BASIN, SIZED AT A MINIMUM OF 110% OF THE TANK CAPACITY TO PREVENT ESCAPE OF FUEL INTO THE ENVIRONMENT IN THE EVENT OF A TANK RUPTURE. A FUEL CONTAINMENT BASIN LEAK DETECTOR SWITCH SHALL BE PROVIDED.



**SLIPJOINT DETAIL**  
 SCALE: NTS

NOTE:  
 VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.



\* SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

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

**UTILITY CONDUIT TRENCH**  
 SCALE: NTS

**STRUCTURAL GENERAL NOTES**

- GENERAL CONDITIONS
  - 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.
  - 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.
  - DO NOT SCALE DRAWINGS
  - VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS
  - DESIGN LOADS ARE (GENERAC):
 

LIVE LOAD	: 100 PSF
EQUIPMENT SIZE	: 889.1" H, 106" W, 38" D
WEIGHT WITH WOODEN SHIPPING SKID	
ENCLOSED GENERATOR	: 3974 LBS
- FOR DESIGN & ANALYSIS OF THE FOUNDATION, THE MINIMUM NET SOIL BEARING CAPACITY SHALL BE ASSUMED TO BE 2000 PSF.
- CONCRETE
  - MEET OR EXCEED THE FOLLOWING CODES & STANDARDS:
 

DESIGN	: ACI 318-11
CONSTRUCTION	: ACI 301
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)
  - CONCRETE STRENGTH AT 28 DAYS SHALL BE 4000 PSI MINIMUM
  - DO NOT FIELD BEND OR WELD TO GRADE 60 REINFORCED STEEL
  - PROVIDE AIR ENTRAINMENT CONCRETE WITH AIR CONTENT OF 5 TO 7% FOR ALL CONCRETE EXPOSED TO EARTH OR WEATHER.
  - MAXIMUM AGGREGATE SIZE: 3/4"
  - DO NOT USE IN ADMIXTURE, WATER OR OTHER CONSTITUENTS OF CONCRETE WHICH HAS CALCIUM CHLORIDE.
  - MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS SHOWN ON PLAN.
  - FOUNDATION & EXCAVATION NOTES
    - SLAB SHALL BE CONSTRUCTED UPON UNDISTURBED, NATURAL SUBGRADE OR COMPACTED GRANULAR FILL WITH AN ASSUMED MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1800 PSF.
    - ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM FOUNDATION & SLAB SUBGRADE & BACKFILL AREAS, & THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D 1557).
    - 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.

PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:

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ISSUE	PRELIMINARY	DATE ISSUED 05/25/2021

PROJECT TITLE:  
**BRIDGEPORT CENTRAL**  
**SBC CO**  
**FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**FOUNDATION DETAILS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: S-1



DIAGRAM CIRCUIT SCHEDULE

NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(8) 3/0	(2) 1/0	(2) 2 1/2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(8) 3/0	(2) 1/0	(2) 2 1/2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(8) 3/0	(2) 1/0	(2) 2 1/2"	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" 1" 1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER CIRCUIT FOR BATTERY CHARGER CIRCUIT FOR ATS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	1 2-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	1 2-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

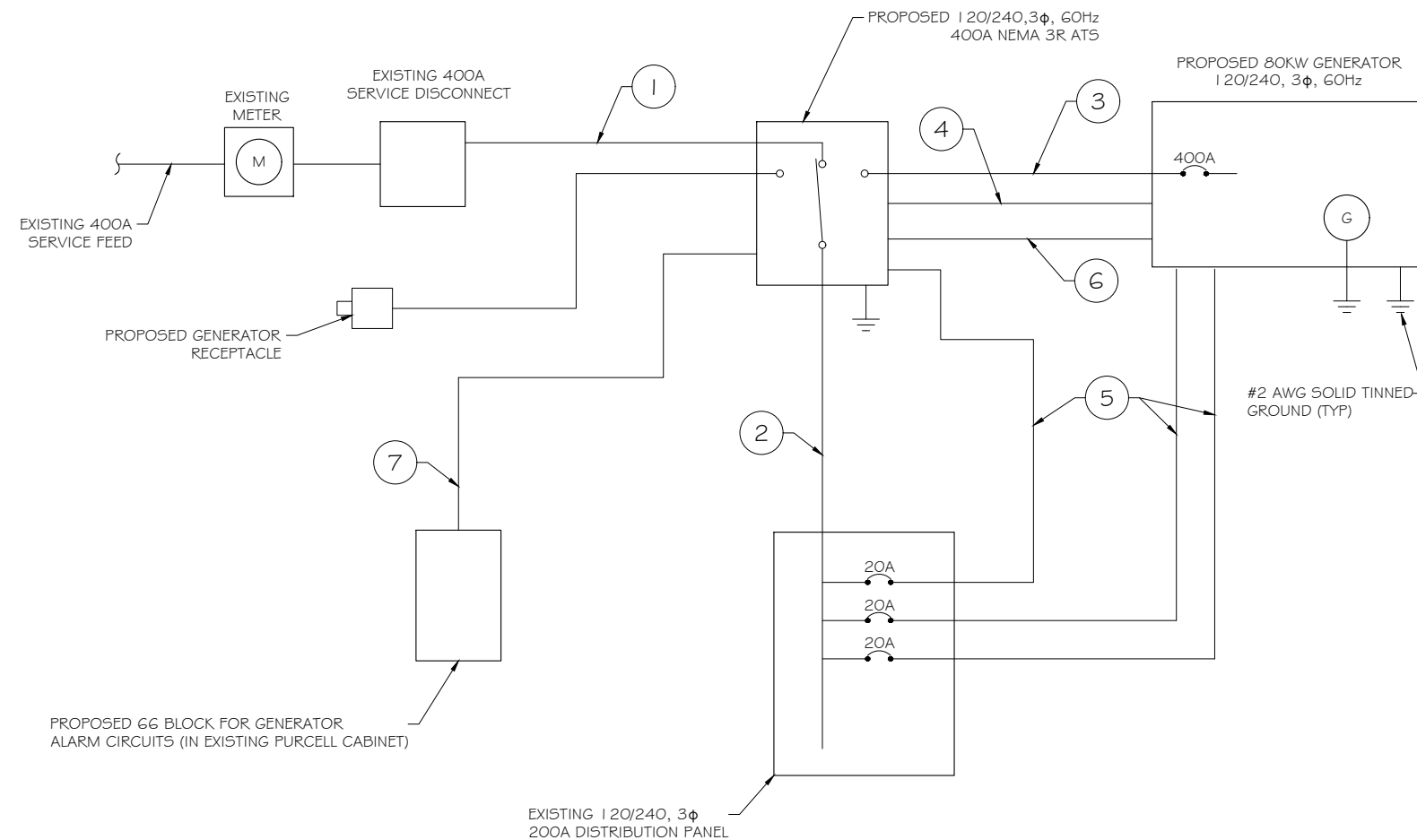
CIRCUIT DETAIL  
 SCALE: NTS

ALARM WIRE IDENTIFICATION CHART

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

\*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART  
 SCALE: NTS



PROPOSED WIRING DIAGRAM  
 SCALE: NTS



PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:

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**BRIDGEPORT CENTRAL  
 SBC CO  
 FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**WIRING DETAILS**

SCALE: NONE

PROJECT NUMBER	51125
SHEET NUMBER	E-1

Breaker Type	On/Off	Size	Circuit Label	Breaker Position	Breaker Type	On/Off	Size	Circuit Label
			BLANK	2				BLANK
			BLANK	4				BLANK
			BLANK	6				BLANK
1P	ON	20	ATS	8	2P	ON	30	SPARE
1P	ON	20	BLOCK HEATER	10				
1P	ON	20	BATTERY CHARGER	12	2P	ON	30	RECT 5
2P	ON	30	RECT 1	14	2P	ON	30	RECT 6
2P	ON	30	RECT 2	16	2P	ON	30	RECT 7
2P	ON	30	RECT 3	18				
2P	ON	30	RECT 4	20	2P	ON	30	RECT 7
2P	ON	30	RECT 4	22				
2P	ON	30	RECT 4	24	1P	OFF	30	
2P	ON	30	RECT 4	26				BLANK
2P	ON	30	RECT 4	28				BLANK
1P	OFF	30	PBC-02 30 AMP	30	2P	OFF	30	SPARE
1P	OFF	20	CC AUX	32	1P	OFF	20	RECEPTACLE
1P	ON	20	POWER POLE	34	1P	OFF	20	RECEPTACLE
1P	ON	20	POWER POLE	36	1P	ON	20	MC00,MC20
1P	ON	20	RECEPTACLE	38	1P	ON	20	LIGHTING
1P	ON	20	RECEPTACLE	40	1P	ON	20	LIGHTING
1P	ON	20	RECEPTACLE	42	1P	ON	20	LIGHTING

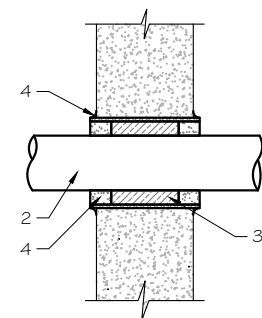
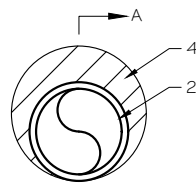
PROPOSED 20A BREAKERS FOR ATS, BLOCK HEATER AND BATTERY CHARGER ON NEW AT&T GENERATOR

EXISTING PANEL SCHEDULE  
 SCALE: NTS



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

\*CONTRACTOR TO UTILIZE NEXT AVAILABLE IN SEQUENCE SINGLE BREAKER POSITION FOR GENERATOR, BATTERY CHARGER, BATTERY HEATER AND BLOCK HEATER



NOTE:  
 1. IF EXISTING CONSTRUCTION VARIES FROM THIS DETAIL, AN EQUAL 3-HR U.L. PENETRATION APPROPRIATE FOR THE EXISTING WALL TYPE SHALL BE CONSTRUCTED  
 2. GC SHALL USE NON-SHRINKING CAULK TO WEATHERSEAL ALL PENETRATIONS INTO OR THRU SHELTER WALL.

U.L. SYSTEM NO. C-AJ-1150  
 CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U902  
 F RATING = 3 HR  
 T RATING = 0 HR

- FLOOR OR WALL ASSEMBLY : MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAMETER OF OPENING IS 4". SEE CONCRETE BLOCKS (9CATZ) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- THROUGH PENETRATIONS : ONE METALLIC PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MINIMUM 0". (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:  
 A. STEEL PIPE-NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.  
 B. IRON PIPE-NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.  
 C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) STEEL CONDUIT.
- PACKING MATERIAL: MINIMUM 6" THICKNESS OF MIN 4.0 PCF MINERAL WOOL BATTING INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
- FILL, VOID, OR CAVITY MATERIAL\*: SEALANT: MINIMUM 1/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR AND WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MINIMUM 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL. W RATING APPLIES ONLY WHEN CP6015 OR CP604 SEALANT IS USED.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. : CP6015, CP604, CP606, OR F5-ONE SEALANT.

\* BEARING THE UL CLASSIFICATION MARK

OUTER WALL PENETRATION DETAIL (IF APPLICABLE)

SCALE: NTS



 Type GR CABLE TAP TO TOP OF GROUND ROD	 Type GT THROUGH CABLE TO TOP OF GROUND ROD.	 Type GY THROUGH CABLE TO SIDE OF GROUND ROD	 Type HS HORIZONTAL CABLE TAP TO HORIZONTAL STEEL SURFACE OR PIPE. CABLE OFF SURFACE.	 Type TA TEE OF HORIZONTAL RUN AND TAP CABLES.
 Type VN HORIZONTAL CABLE TAP TO VERTICAL STEEL SURFACE OR THE SIDE OF HORIZONTAL PIPE	 Type VS CABLE TAP DOWN AT 45° TO VERTICAL STEEL SURFACE OR SIDE OF HORIZONTAL OR VERTICAL PIPE.	 Type VV THROUGH VERTICAL CABLE TO VERTICAL STEEL SURFACE OR TO THE SIDE OF EITHER HORIZONTAL OR VERTICAL PIPE	 Type GR CABLE TAP TO TOP OF GROUND ROD	

CADWELD DETAILS

SCALE: NTS



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

PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:


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PROJECT TITLE:  
**BRIDGEPORT CENTRAL SBC CO**  
 FA ID # 10035020

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**PANEL AND PENETRATION DETAILS**

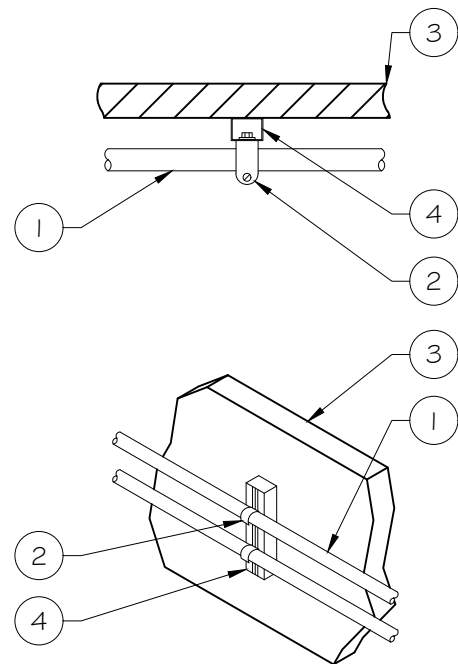
SCALE: NONE

PROJECT NUMBER	51125
SHEET NUMBER	E-2

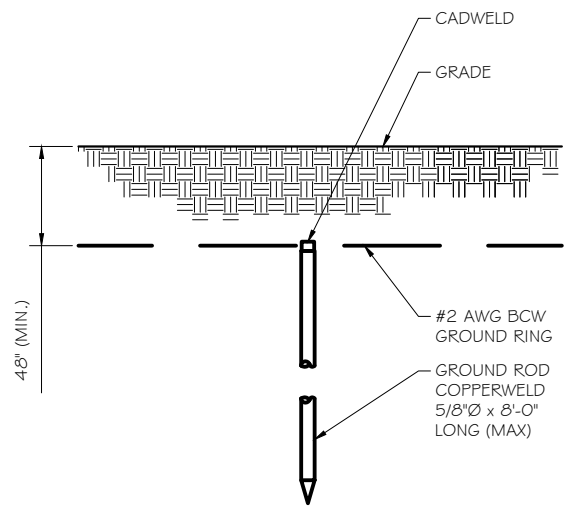
- 1 CONDUIT (TYP)
- 2 BUTTERFLY CLAMP AS REQUIRED
- 3 EXISTING WALL/CEILING
- 4 VERTICAL "UNISTRUT" P1000 T SERIES LENGTH BASED ON NUMBER OF CONDUIT TO BE MOUNTED

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 1

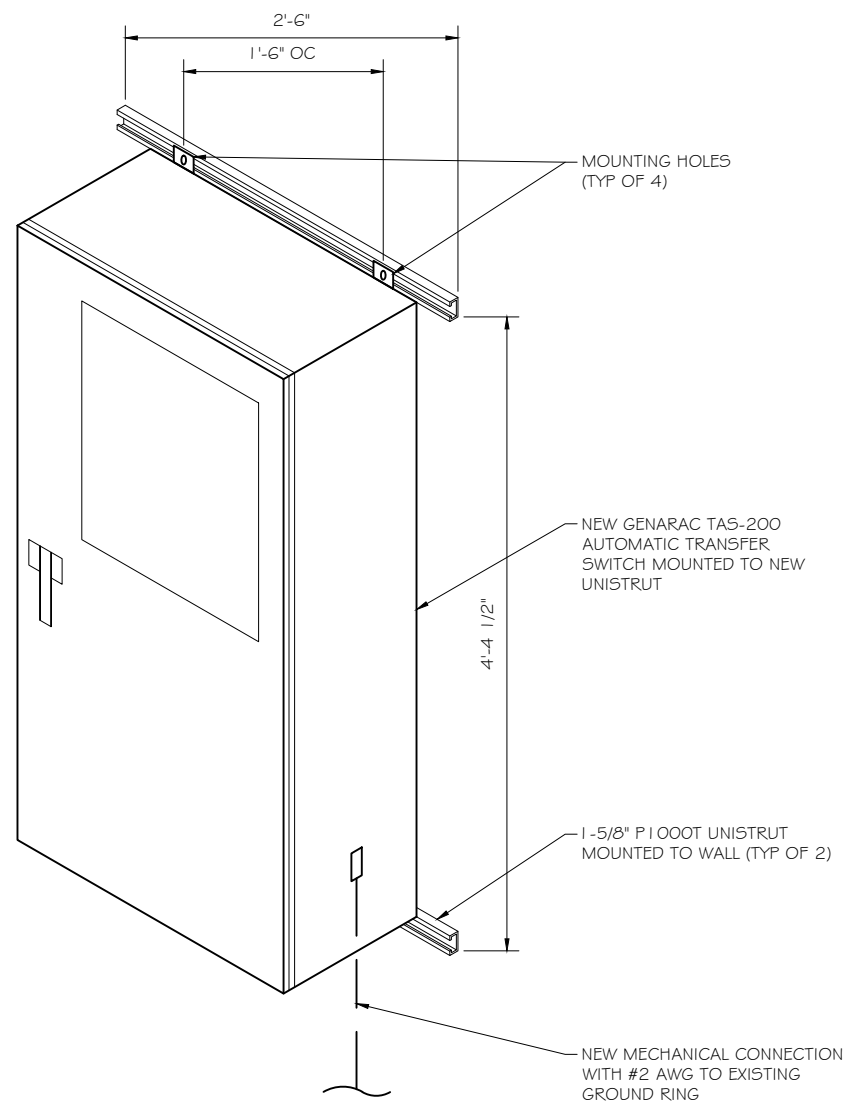


NOTE:  
 1. GROUND RODS MAY BE:  
 - COPPER CLAD STEEL  
 - SOLID COPPER  
 2. GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD  
 3. SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE  
 4. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY 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

**GROUND ROD DETAIL**  
 SCALE: NTS 2

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 3

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

PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
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 661 MOORE RD STE 110  
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**BRIDGEPORT CENTRAL SBC CO**  
 FA ID # 10035020

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**ATS, CONDUIT & GROUND ROD DETAILS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: E-3



**SD080 | 4.5L | 80 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**STANDBY POWER RATING**  
 80 kW, 100 kVA, 60 Hz

**PRIME POWER RATING\***  
 72 kW, 90 kVA, 60 Hz

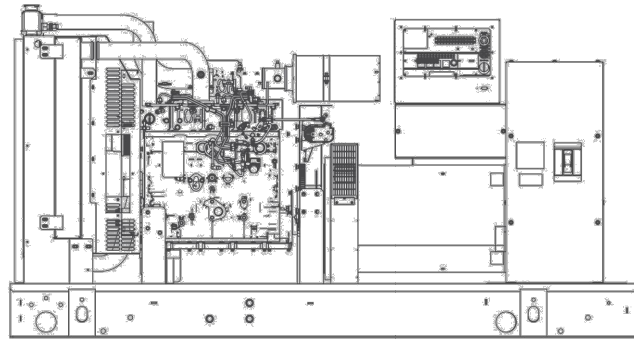


Image used for illustration purposes only



\*Built in the USA using domestic and foreign parts

\*EPA Certified Prime ratings are not available in the U.S. or its Territories.

\*\*Certain options or customization may not hold certification valid.

**CODES AND STANDARDS**

Generac products are designed to the following standards:

UL2200, UL508, UL142, UL498

NFPA70, 99, 110, 37

NEC700, 701, 702, 708

ISO9001, 8528, 3046, 7637, Pluses #2b, 4

NEMA ICS10, MG1, 250, ICS6, AB1

ANSI C62.41

**POWERING AHEAD**

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

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

**SD080 | 4.5L | 80 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**STANDARD FEATURES**

**ENGINE SYSTEM**

- General**
- Oil Drain Extension
  - Air Cleaner
  - Fan Guard
  - Stainless Steel flexible exhaust connection
  - Critical Exhaust Silencer (enclosed only)
  - Factory Filled Oil
  - Radiator Duct Adapter (open set only)

**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
- 120 VAC Coolant Heater

**Engine Electrical System**

- Battery charging alternator
- Battery cables
- Battery tray
- Solenoid activated starter motor
- Rubber-booted engine electrical connections

**ALTERNATOR SYSTEM**

- UL2200 GENprotect™
- 12 leads (3-phase, non 600 V)
- Class H insulation material
- Vented rotor
- 2/3 pitch
- Skewed stator
- Auxiliary voltage regulator power winding
- Amortisseur winding
- Brushless Excitation
- Sealed Bearings
- Automated manufacturing (winding, insertion, lacing, varnishing)
- Rotor dynamically spin balanced
- Full load capacity alternator
- Protective thermal switch

**GENERATOR SET**

- Internal Genset Vibration Isolation
- Separation of circuits - high/low voltage
- Separation of circuits - multiple breakers
- Silencer Heat Shield
- Wrapped Exhaust Piping
- Silencer housed in discharge hood (enclosed only)
- Standard Factory Testing
- 2 Year Limited Warranty (Standby rated Units)
- 1 Year Limited Warranty (Prime rated Units)
- Silencer mounted in the discharge hood (enclosed only)

**ENCLOSURE (IF SELECTED)**

- Rust-proof fasteners with nylon washers to protect finish
- High performance sound-absorbing material
- Gasketed doors
- Stamped air-intake louvers
- Air discharge hoods for radiator-upward pointing
- Stainless steel lift off door hinges
- Stainless steel lockable handles
- Rhino Coat™ - Textured polyester powder coat

**TANKS (IF SELECTED)**

- UL 142
- Double wall
- Vents
- Sloped top
- Sloped bottom
- Factory pressure tested (2 psi)
- Rupture basin alarm
- Fuel level
- Check valve in supply and return lines
- Rhino Coat™ - Textured polyester powder coat
- Stainless hardware

**CONTROL SYSTEM**



**Control Panel**

- Digital H Control Panel - Dual 4x20 Display
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable PLC
- RS-232/485
- All-Phase Sensing DVR
- Full System Status
- Utility Monitoring
- Low Fuel Pressure Indication
- 2-Wire Start Compatible
- Power Output (kW)

- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus protocol
- Predictive Maintenance algorithm
- Sealed Boards
- Password parameter adjustment protection

- Single point ground
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

**Alarms**

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

PREPARED FOR:

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

GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 05/25/2021

PROJECT TITLE:  
**BRIDGEPORT CENTRAL**  
**SBC CO**  
**FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**GENERAC 80KW GENERATOR**  
**SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: E-4

SPEC SHEET

1 OF 6

SPEC SHEET

2 OF 6



**SD080 | 4.5L | 80 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**CONFIGURABLE OPTIONS**

**ENGINE SYSTEM**

**General**

- Oil Heater
- Industrial Exhaust Silencer

**Fuel System**

- Flexible fuel lines
- Primary fuel filter

**Engine Electrical System**

- 10A UL battery charger
- 2.5A UL battery charger
- Battery Warmer

**ALTERNATOR SYSTEM**

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

**ENGINEERED OPTIONS**

**ENGINE SYSTEM**

- Coolant heater ball valves
- Block Heaters
- Fluid containment pans

**ALTERNATOR SYSTEM**

- 3rd Breaker Systems

**CONTROL SYSTEM**

- Spare inputs (x4) / outputs (x4) - H Panel Only
- Battery Disconnect Switch

**RATING DEFINITIONS**

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition

**CIRCUIT BREAKER OPTIONS**

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

**GENERATOR SET**

- Gen-Link Communications Software (English Only)
- IBC Seismic Certification
- 8 Position Load Center
- 2 Year Extended Warranty
- 5 Year Warranty
- 5 Year Extended Warranty

**ENCLOSURE**

- Weather Protected
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Steel Enclosure
- Aluminum Enclosure
- 150 MPH Wind Kit
- 12 VDC Enclosure Lighting Kit
- 120 VAC Enclosure Lighting Kit
- AC/DC Enclosure Lighting Kit
- Door Alarm Switch

**GENERATOR SET**

- Special Testing

**ENCLOSURE**

- Motorized Dampers
- Door switched for intrusion alert
- Enclosure ambient heaters

**TANKS (Size on last page)**

- Electrical Fuel Level
- Mechanical Fuel Level
- 8" Fill Extension
- 13" Fill Extension
- 19" Fill Extension

**CONTROL SYSTEM**

- 21-Light Remote Annunciator
- Remote Relay Panel (8 or 16)
- Oil Temperature Sender with Indication 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)
- Remote Communication - Modem
- Remote Communication - Ethernet
- 10A Run Relay
- Ground Fault Indication and Protection Functions

**TANKS**

- Overfill Protection Valve
- UL2085 Tank
- ULC S-601 Tank
- Stainless Steel Tank
- Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- Vent Extensions

**SD080 | 4.5L | 80 kW**  
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**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

**General**

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	4
Type	In-Line
Displacement - L (cu In)	4.5 (274.6)
Bore - mm (in)	105 (4.1)
Stroke - mm (in)	132 (5.2)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head Type	2 Valve
Piston Type	Aluminium
Crankshaft Type	Forged Steel

**Engine Governing**

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	+/- 0.25%

**Lubrication System**

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	13.6 (14.4)

**Cooling System**

Cooling System Type	Closed
Water Pump	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed (rpm)	2538
Fan Diameter mm (in)	660.4 (26)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120 V /240 V

**Fuel System**

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Injection	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line mm (in)	12.7 (0.5) NPT
Fuel Return Line mm (in)	12.7 (0.5) NPT

**Engine Electrical System**

System Voltage	12 VDC
Battery Charging Alternator	20 A
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<3%
Telephone Interference Factor (TIF)	<50

**Standard Excitation**

Standard Excitation	Synchronous Brushless
Bearings	One-Pre Lubed & Sealed
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	±0.25%



PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
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GENERAL DYNAMICS  
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 FA ID # 10035020**

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 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**GENERAC 80KW GENERATOR  
 SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: E-4.1

SPEC SHEET

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SPEC SHEET

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**SD080 | 4.5L | 80 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**OPERATING DATA**

**POWER RATINGS**

	Standby
Single-Phase 120/240 VAC @1.0pf	80 kW Amps: 333
Three-Phase 120/208 VAC @0.8pf	80 kW Amps: 278
Three-Phase 120/240 VAC @0.8pf	80 kW Amps: 241
Three-Phase 277/480 VAC @0.8pf	80 kW Amps: 120
Three-Phase 346/600 VAC @0.8pf	80 kW Amps: 96

**STARTING CAPABILITIES (sKVA)**

Alternator	kW	sKVA vs. Voltage Dip											
		480 VAC						208/240 VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 1	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 2	130	116	174	232	290	348	406	87	131	174	218	261	305

**FUEL CONSUMPTION RATES\***

Fuel Pump Lift - ft (m)	Percent Load	Standby
3 (1)	25%	2.1 (7.9)
	50%	3.7 (14.0)
Total Fuel Pump Flow (Combustion + Return)	75%	5.2 (19.7)
13.6 gal/hr	100%	6.3 (23.8)

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

**COOLING**

	Standby
Coolant Flow per Minute	gal/min (l/min) 32.7 (123.8)
Coolant System Capacity	gal (L) 4.5 (17.44)
Heat Rejection to Coolant	BTU/hr 232,270
Inlet Air	cfm (m <sup>3</sup> /hr) 6360 (180)
Max. Operating Radiator Air Temp	F° (C°) 122 (50)
Max. Ambient Temperature (before derate)	F° (C°) 104 (40)
Maximum Radiator Backpressure	in H <sub>2</sub> O 0.5

**COMBUSTION AIR REQUIREMENTS**

	Standby
Flow at Rated Power	cfm (m <sup>3</sup> /min) 306 (8.67)

**ENGINE**

	Standby
Rated Engine Speed	rpm 1800
Horsepower at Rated kW**	hp 131
Piston Speed	ft/min (m/min) 1559 (475)
BMEP	psi 210

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

**EXHAUST**

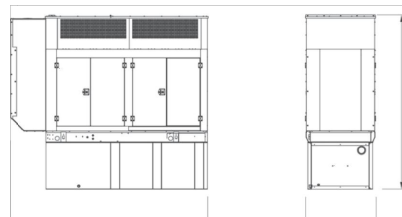
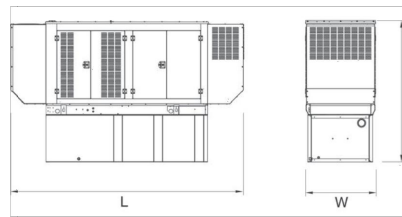
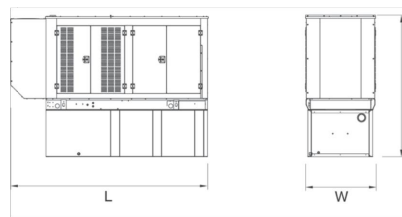
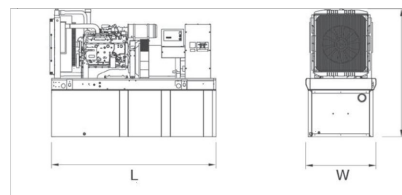
	Standby
Exhaust Flow (Rated Output)	cfm (m <sup>3</sup> /min) 782 (22.14)
Max. Backpressure (Post Silencer)	inHg (Kpa) 1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C) 887 (475)
Exhaust Outlet Size (Open Set)	mm (in) 76.2 (3.0)

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

**SD080 | 4.5L | 80 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**DIMENSIONS AND WEIGHTS\***



YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

**OPEN SET**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set
NO TANK	-	93 (2362.2) x 40 (1016) x 49 (1244.6)	2425 (1100)
13	79 (299)	93 (2362.2) x 40 (1016) x 62 (1574.8)	2947 (1201)
30	189 (715.4)	93 (2362.2) x 40 (1016) x 74 (1879.6)	3183 (1444)
48	300 (1135.6)	93 (2362.2) x 40 (1016) x 86 (2184.4)	3407 (1545)
56	350 (1325)	110 (2794) x 40 (1016) x 86 (2184.4)	NA
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 86 (2184.4)	3790 (1719)
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 86 (2184.4)	4269 (1936)

**STANDARD ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	112 (2844.8) x 41 (1041.4) x 56 (1422.4)		
13	79 (299)	112 (2844.8) x 41 (1041.4) x 69 (1752.6)		
30	189 (715.4)	112 (2844.8) x 41 (1041.4) x 81 (2057.4)		
48	300 (1135.6)	112 (2844.8) x 41 (1041.4) x 93 (2362.2)	425 (193)	155 (70)
56	350 (1325)	112 (2844.8) x 41 (1041.4) x 93 (2362.2)		
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 93 (2362.2)		
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 93 (2362.2)		

**LEVEL 1 ACOUSTIC ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	130 (3302) x 41 (1041.4) x 56 (1422.4)		
13	79 (299)	130 (3302) x 41 (1041.4) x 69 (1752.6)		
30	189 (715.4)	130 (3302) x 41 (1041.4) x 81 (2057.4)		
48	300 (1135.6)	130 (3302) x 41 (1041.4) x 93 (2362.2)	450 (204)	285 (129)
56	350 (1325)	130 (3302) x 41 (1041.4) x 93 (2362.2)		
81	510 (1930.5)	130 (3302) x 47 (1193.8) x 93 (2362.2)		
93	589 (2229.6)	130 (3302) x 49 (1244.6) x 93 (2362.2)		

**LEVEL 2 ACOUSTIC ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	112 (2844.8) x 41 (1041.4) x 69 (1752.6)		
13	79 (299)	112 (2844.8) x 41 (1041.4) x 82 (2082.8)		
30	189 (715.4)	112 (2844.8) x 41 (1041.4) x 94 (2387.6)		
48	300 (1135.6)	112 (2844.8) x 41 (1041.4) x 106 (2692.4)	625 (284)	395 (180)
56	350 (1325)	112 (2844.8) x 41 (1041.4) x 106 (2692.4)		
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 106 (2692.4)		
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 106 (2692.4)		

\*All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

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

Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53187  
 P: (262) 544-4811 © 2017 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No 0K5092  
 Rev. F 01/26/17

SPEC SHEET

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SPEC SHEET

6 OF 6



PREPARED FOR:



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

GENERAL DYNAMICS  
 661 MOORE RD STE 110  
 KING OF PRUSSIA, PA 19406

Certification & Seal:

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PROJECT TITLE:  
**BRIDGEPORT CENTRAL SBC CO**  
**FA ID # 10035020**

PROJECT INFORMATION:  
 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**GENERAC 80KW GENERATOR SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: E-4.2



# AA-G PTLCL Series

Power Transfer Load Center (PTLC) with Refined Features and Functionality



Actual product may vary from photograph. Please request product drawings from solutions@intersectinc.com

For Service Entrance (UL 891 Listed) or sub-panel installations, the factory-wired AA-G PTLCL saves space and installation time. The panel integrates main disconnect breakers, a branch breaker panel board, an automatic transfer switch (combined with manual transfer to one of two emergency sources) and whole-facility surge protection. The PTLCL satisfies all of your electrical power requirements in one cabinet, reducing labor and equipment costs.

### Automatic Transfer Switch, ASCO® Series 300 with Group G Controller

- Single solenoid, true double-throw, transfer mechanism
  - UL 1008 Listed
  - Complies with NFPA 110 for Emergency and Standby Power Systems
- Group G Controller offers easy to navigate LCD display with soft keypad and six (6) LED indicators
- Historical event log (up to 300 events)
- Statistical monitoring information
- Diagnostic functions
- Pre- and post-transfer time delay settings for transfer and re-transfer
- Voltage & frequency sensing
  - Under and over frequency settings on normal and emergency
  - Voltage and frequency parameters adjustable in 1% increments
- Auto start/stop engine control contacts are standard to the ASCO ATS

### Surge-protected Loads from a 42-circuit Square D Panel Board

- Strikesorb® protection
  - Protection characteristics remain unchanged throughout service life
  - Loads are never left unprotected, as Strikesorb operates to a short circuit and trips main disconnect breaker in the event of a long duration, catastrophic over-voltage event
- Square D panel board accepts both bolt-on and plug-in branch circuit breakers

All indoor PTLCLs are configured with Accessories 11BE Programmable Engine Exerciser, and 18RX Relays for Source Availability. See reverse side for additional details.

## Intersect, Inc.

Quality products. Premium customer care. Integrated solutions.

### General Data

Enclosure weight & dimensions  
 Varies by amperage and service voltage.  
 Please request product number drawings.  
 UL certification  
 UL 891 Listed panel

### Load Center

Type  
 Square D  
 Circuit breaker positions  
 42 circuits  
 Circuit breaker type  
 Square D bolt-on or plug-in branch devices

### ATS Accessories (standard)

- 11BE – Fully-programmable engine exerciser
  - Seven independent engine generator exerciser routines to exercise an engine generator, with or without load, on a daily, weekly, bi-weekly or monthly basis
  - Exerciser setting can be displayed and changed from the user interface keypad
  - RS 485 and MODBUS-enabled with common alarm output contact
- 18RX – Relays for source availability
  - Contacts for utility and one emergency source (second emergency contacts are on switch)
  - Additional output relay, default to indicate common alarm

### Optional Accessories

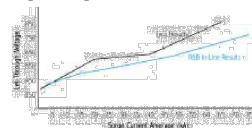
- 23GA – Load current metering card  
 Measures 200 A, 1Ø load current
- 23GA-400 – Load current metering card  
 Measures 400 A, 1Ø load current
- 23GB – Load current metering card  
 Measures 200 A, 3Ø load current
- 23GA-400 – Load current metering card  
 Measures 400 A, 3Ø load current
- 72EE – Remote connectivity module
  - Content-rich monitoring screens enable real time information for power metering, event logs, voltages, time delays, and alerts
  - Web page dashboards can easily be viewed on any mobile or desktop device on the network by multiple users
  - Allows for remote switch transfer

Product No.	Description
AA-G-1220042-3S	120/240; 200 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-3320042-3S	120/208; 200 A, 3Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-1240042-3S	120/240; 400 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-3340042-3S	120/208; 400 A, 3Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 11BE, 18RX; NEMA Type 1 enclosure
AA-G-1220042-100R-3S <sup>1</sup>	120/240; 200 A, 1Ø; 3-source Mains; ASCO Series 300-G plus MTS; Strikesorb; 42-position Square D panelboard; Accessories 4AR, 11BE, 18RX; 65 kA; NEMA Type 1 enclosure
Optional Accessories	
23GA	120/240; 200 A, 1Ø; current metering card with 2 wired current transformers
23GA-400	120/240; 400 A, 1Ø; current metering card with 2 wired current transformers
23GB	120/208; 200 A, 3Ø; current metering card with 3 wired current transformers
23GB-400	120/208; 400 A, 3Ø; current metering card with 2 wired current transformers
72EE	120/240; 200 A or 400 A, 1Ø or 3Ø; connectivity module

1. For use only when required by local jurisdiction

### Suppression Technology

Technology type  
 Strikesorb 40mm, 120 V modules (one per phase, L-N)  
 UL certification  
 UL 1449 3rd Edition  
 Nominal operating voltage  
 120 V  
 Suppressed voltage rating (SVR)  
 UL 1449, Feb 2007 tested <500 V  
 Maximum continuous operating voltage (MCOV)  
 150 V  
 Let through voltage



### Available interrupt current (AIC)

UL Recognized for direct installation behind any breaker in any circuit with an AIC rate of 85 kA rms without use of additional fusing.  
 UL Recognized fore direct installation in any circuit having an available fault current up to 200,000 A rms, when protected by a 4000 A Class L fuse.  
 Remote alarming  
 Form "C" relay  
 Multiple surge resilience  
 2,000 hits at 10 kA (8/20 µs) (Represents the ability to withstand multiple strikes with less than a 5% change in characteristics.)  
 Long duration surge performance  
 250 hits at 500 A, 2 msec squared waveform (IEEE C62.11)

## Intersect, Inc.

All specifications subject to change without notice.  
 ASCO® is a registered trademark of ASCO Power Technologies.  
 Strikesorb® is a registered trademark of Raycap Corporation.  
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P.O. Box 753 – Liberty Lake WA 99019 – USA  
 Phone: 509.255.9570 or 800.910.3735 – Fax: 509.255.6034  
 www.intersectinc.com



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 430 JOHN STREET  
 BRIDGEPORT, CT 06604

SHEET TITLE:  
**ATS SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 51125  
 SHEET NUMBER: E-5

# 430 JOHN ST

**Location** 430 JOHN ST

**Mblu** 28/ 923/ 28/ /

**Acct#** R--0148800

**Owner** AT&T CAPITAL SERVICES

**Assessment** \$3,099,710

**Appraisal** \$4,428,140

**PID** 6088

**Building Count** 1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$3,500,010	\$928,130	\$4,428,140

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$2,450,020	\$649,690	\$3,099,710

## Owner of Record

**Owner** AT&T CAPITAL SERVICES  
**Co-Owner** ATTN PROPERTY TAX DEPT  
**Address** 1010 PINE 9E-L-01  
ST LOUIS, MO 63101

**Sale Price** \$0  
**Certificate**  
**Book & Page** 9130/0149  
**Sale Date** 10/22/2014  
**Instrument** 25

## Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
AT&T CAPITAL SERVICES	\$0		9130/0149	25	10/22/2014
SOUTHERN NEW ENGLAND TEL	\$0		1164/0144		09/18/1958

## Building Information

### Building 1 : Section 1

**Year Built:** 1958  
**Living Area:** 98,169  
**Replacement Cost:** \$13,822,352  
**Building Percent Good:** 23

Replacement Cost  
Less Depreciation:

\$3,179,140

**Building Attributes**

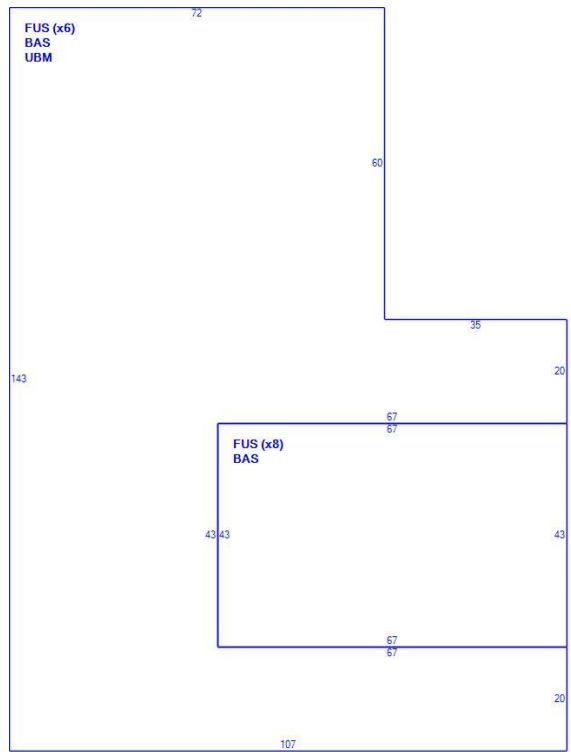
Field	Description
Style:	Prof. Office
Model	Comm/Ind
Grade:	Good
Stories:	7
Occupancy:	1.00
Exterior Wall 1:	Pre-Cast Concr
Exterior Wall 2:	
Roof Struct:	Flat
Roof Cover:	Tar + Gravel
Interior Wall 1:	Drywall
Interior Wall 2:	
Interior Floor 1:	Terrazzo Monol
Interior Floor 2:	Carpet
Heating Fuel:	Gas
Heating Type:	Forced Air
AC Type:	Central
Struct Class	
Bldg Use:	Industrial Mdl 94
Ttl Rooms:	
Ttl Bedrms:	00
Ttl Baths:	0
Ttl Half Baths:	0
Ttl Xtra Fix:	0
1st Floor Use:	
Heat/AC:	Heat/Ac Pkgs
Frame Type:	Steel
Baths/Plumbing:	Average
Ceiling/Wall:	Ceil & Walls
Rooms/Prtns:	Average
Wall Height:	14.00
% Comn Wall:	

**Building Photo**



(<http://images.vgsi.com/photos2/BridgeportCTPhotos//default.jpg>)

**Building Layout**



(ParcelSketch.ashx?pid=6088&bid=6088)

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
FUS	Finished Upper Story	84,968	84,968
BAS	First Floor	13,201	13,201
UBM	Unfin Basement	10,320	0
		108,489	98,169

**Extra Features**

Extra Features

Legend

Code	Description	Size	Value	Bldg #
ELV2	Pass	8.00 STOPS	\$95,680	1
ELV2	Pass	8.00 STOPS	\$95,680	1
SPR2	Sprk-Wet Concealed	98169.00 SF	\$76,770	1

## Land

### Land Use

**Use Code** 300C  
**Description** Industrial Mdl 94  
**Zone** DCB  
**Neighborhood** CBD  
**Alt Land Appr** No  
**Category**

### Land Line Valuation

**Size (Acres)** 1.65  
**Frontage** 0  
**Depth** 0  
**Assessed Value** \$649,690  
**Appraised Value** \$928,130

## Outbuildings

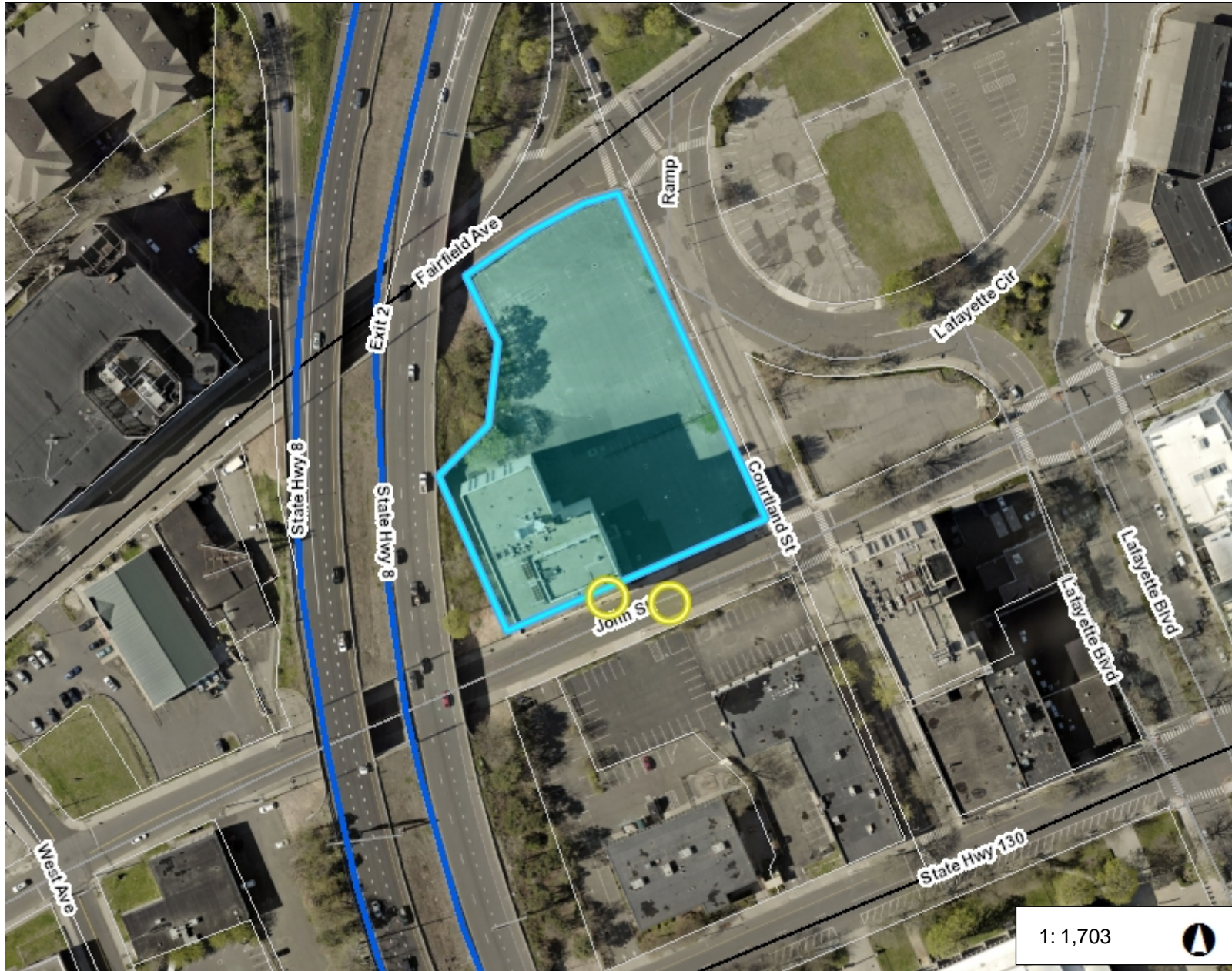
Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	Paving Asph			56710.00 SF	\$52,740	1

## Valuation History










Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$2,921,870	\$928,130	\$3,850,000
2018	\$2,921,870	\$928,130	\$3,850,000
2017	\$4,168,270	\$928,130	\$5,096,400

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$2,045,310	\$649,690	\$2,695,000
2018	\$2,045,310	\$649,690	\$2,695,000
2017	\$2,917,790	\$649,690	\$3,567,480





Legend

-  Parcels
- Streetname
- Roadways
  -  Local
  -  Collector
  -  Minor Collector
  -  Minor Arterial
  -  Major Collector
  -  PA Other
  -  PA Other Expwy
  -  PA Interstate

1: 1,703 

283.9 0 141.95 283.9 Feet

## **ATTACHMENT 2**



430 JOHN STREET

SNET Cellular, Inc.  
555 Long Wharf Drive  
Room 751  
New Haven, Connecticut 06511  
Phone (203) 553-7601



Donald R. Chapman  
Vice President-Operations

June 22, 1990

RECEIVED  
JUN 25 1990

CONNECTICUT  
SITING COUNCIL

Honorable Gloria Dibble Pond, Chairperson  
Connecticut Siting Council  
136 Main Street, Suite 401  
New Britain, Connecticut 06051

Re: Notice pursuant to Regulations of State Agencies 16-50j-73  
intent to modify an exempt telecommunications tower and  
associated equipment owned by The Southern New England  
Telephone Company in the city of Bridgeport, Connecticut.

Dear Chairperson Pond:

As requested in your letter of acknowledgement dated May 1, we are  
pleased to notify the Council of completion of construction at this  
facility.

Very truly yours,

A handwritten signature in blue ink that reads "Donald R. Chapman". The signature is written in a cursive style.



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051  
Phone: 827-7682

May 1, 1990

Gloria Dibble Pond  
Chairperson

### COMMISSIONERS

Energy/Telecommunications

Peter G. Boucher  
Leslie Carothers

Hazardous Waste/Low-level  
Radioactive Waste

Frederick G. Adams  
Bernard R. Sullivan

### COUNCIL MEMBERS

Harry E. Covey  
Mortimer A. Gelston  
Daniel P. Lynch, Jr.  
Paulann H. Sheets  
William H. Smith  
Colin C. Tait

Joel M. Rinebold  
Executive Director

Stanley J. Modzelesky  
Executive Assistant

Peter J. Tyrrell, Esq.  
SNET Cellular, Inc.  
227 Church Street  
New Haven, CT 06510

RE: Springwich Cellular Limited Partnership Notice of Intent to Modify An Exempt Tower and Associated Equipment Owned by The Southern New England Telephone Company in the City of Bridgeport, Connecticut.

Dear Attorney Tyrrell:

At a meeting held on April 30, 1990, the Connecticut Siting Council acknowledged Springwich Cellular Limited Partnership notice of intent to modify an exempt tower site and associated equipment owned by Southern New England Telephone Company located in Bridgeport, Connecticut, pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modifications are to be implemented as specified in you notices dated April 16 and 20, 1990. As proposed, the modifications are in compliance with the exception criteria specified in RSA 16-50j-72 as changes to an existing facility site that do not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary 6 decibels, and add radio frequency sending or receiving capability which increases the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to Section 22a-162 of the Connecticut General Statutes.

The Council is pleased to note that the shared use of an existing tower serves the Council's long-term goal of protecting the public interest by avoiding proliferation of additional tower structures.

Please notify the Council upon completion of construction.

Very truly yours,

*Gloria Dibble Pond*

Gloria Dibble Pond  
Chairperson

GDP:JMR:bw

SNET Cellular, Inc.  
555 Long Wharf Drive  
Room 751  
New Haven, Connecticut 06511  
Phone (203) 553-7601



Donald R. Chapman  
Vice President-Operations

April 20, 1990

RECEIVED

APR 20 1990

CONNECTICUT  
SITING COUNCIL

Gloria Dibble Pond, Chairperson  
Connecticut Siting Council  
136 Main Street, Suite 401  
New Britain, Connecticut 06051

Dear Chairperson Pond:

The following supplemental information, requested by the Council's staff, is provided to support the four Notices of Exempt Modifications submitted on April 18, 1990.

- Brooklyn - Three full size copies of the proposed site plan.
  - Original and twenty copies of the proposed tower profile.
  - On Wednesday evening, April 18, 1990, the Brooklyn Planning and Zoning Commission unanimously approved the site plan submitted herewith for the addition of our equipment building. No resident spoke in opposition of our proposal. This information can be confirmed by Ms. Karen Johnson, Town Planner, on 779-3411. Application for a building permit will be made upon receipt of the zoning decision notice.
  
- Thompson - Three full size copies of the proposed site plan.
  - Original and twenty copies (reduced) of the site plan.
  - Original and twenty copies of the building permit dated December 5, 1989 for our equipment building.
  
- Ashford - Three full size copies of the proposed site plan.
  - Original and twenty copies (reduced) of the site plan.
  - Original and twenty copies of the building permit dated December 6, 1989 for our equipment building.

Bridgeport - The SNET building at 430 John Street, Bridgeport, has been an existing radio/tower location since 1966. It is both a Federal Aviation Administration (FAA) and Federal Communications Commission (FCC) approved and recognized tower structure. Located on the roof of the building is a 40' self supporting tower which currently has two microwave horn and one 12' microwave dish antennas mounted at the top.

This tower was originally designed as a repeater location to accommodate two antennas, plus a small amount of spare capacity. In approximately 1982, the third antenna was added to the structure, bringing the tower to its maximum loading capacity. A complete rebuilding of the entire tower structure (and possible interruption of the existing heavily used SNET microwave services at this location) would be required to permit SNET Cellular the ability to add any additional load to the tower.

Were the tower strong enough to support the cellular antennas, they would have to be located below the existing microwave antennas, and the southeast and southwest antenna signals would be blocked by the wall of the existing penthouse.

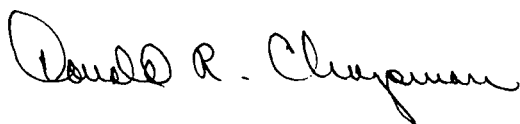
The penthouse roof, which is 7' below the top of the tower, is the proposed location of the cellular antennas. This location provides a clear signal path in the southern direction. The northern direction would not be obstructed by the tower because of the antennas' relative positions on the roof, the azimuth of the antennas and as the tower is a lattice style structure, it will not markedly obstruct the cellular signals.

The cellular antennas would be supported on 4" pipes mounted to the inside surface of the penthouse walls. The mounts would extend approximately 4' above the wall, and the overall height of the mounts plus antennas would not extend above the existing tower.

A profile sketch of the roof, tower, penthouse and cellular antennas is attached to this letter.

Also enclosed are five copies of the revised site plan portion of the Docket 124, Lisbon, D&M plan, showing the grading slope from the roadway to be 2:1 in accordance with the Connecticut Guidelines for Erosion and Sediment Control, as required in the Council's Staff Report dated April 9, 1990 and approval letter dated April 10, 1990.

Sincerely,



Southern New England Telephone  
227 Church Street  
New Haven, Connecticut 06510  
Phone (203) 771-7381



Peter J. Tyrrell  
Senior Attorney

April 16, 1990

Gloria Dibble Pond, Chairperson  
Connecticut Siting Council  
136 Main Street, Suite 401  
New Britain, CT 06051

RECEIVED

APR 18 1990

CONNECTICUT  
SITING COUNCIL

Dear Honorable Chairperson Pond:

Enclosed please find a Notice of Intent to Modify an Exempt Tower and Associated Equipment owned by the Southern New England Telephone Company located in Bridgeport, Connecticut by Springwiche Cellular Limited Partnership (the Partnership). Twenty (20) copies are included.

Please record my name as counsel for SNET Cellular, Inc., General Partner of the Partnership in the matter and in correspondence from the Council. Thank you for your kind cooperation.

Very truly yours,

A handwritten signature in cursive script that reads "Peter J. Tyrrell".

Enclosures

cc: Honorable Mary C. Moran, Mayor  
Town of Bridgeport

ORIGINAL

RECEIVED

APR 18 1990

CONNECTICUT  
SITING COUNCIL

STATE OF CONNECTICUT  
SITING COUNCIL

NOTICE OF INTENT TO MODIFY AN EXEMPT TOWER  
AND ASSOCIATED EQUIPMENT

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (the Partnership), a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications tower. The site is located at 430 John Street, Bridgeport, Connecticut. The location will be leased in part from its current owner and operator, The Southern New England Telephone Company (Owner), and will be used in part as a cell site to provide cellular mobile telecommunications and message alert services in Fairfield County. The proposed modification would contain both transmit and receive antennas.

DISCUSSION

The building is located on the Owner's Land on John Street in Bridgeport. The proposed addition is needed to supply additional channel capacity and improved transmission for cellular service to the Bridgeport area by the partnership. This cell site has been designed to properly interface with the adjacent cell sites in northern Bridgeport, Milford, Norwalk, Westport and Shelton.

The proposed antenna addition consists of up to twelve (12) cellular and one (1) message service alert antennas. The antennas to be used will be mounted the top of the building not exceeding the height of the existing 40 foot self-supporting roof-top telecommunications tower. From the ground the antennas will appear smaller and be difficult to see. The existing tower has one microwave parabolic antenna and two horn antennas used to provide telecommunications from Bridgeport to Norwalk and Shelton, Connecticut. The maximum power densities of the combined cellular, message alert and microwave facilities is set forth below. It has been calculated in milliwatts per square centimeter.

<u>Location</u>	<u>Existing Power Density</u>	<u>Proposed Power Density</u> <sup>a</sup>
Base of Building	0.000011 mw/sqcm	0.59616 mw/sqcm
Sidewalk	0.000014 mw/sqcm	0.07167 mw/sqcm

This addition does not increase the total power density measured at the tower site boundary to or above 2.933 milliwatts/sqcm.

In 1984 the Connecticut Legislature adopted the safety levels of the American National Standards Institute ("ANSI") in CGS Section 22a-162. The current ANSI power density level standard (for the cellular service band) for non-ionizing radiation is 2.933 milliwatts/sqcm (See ANSI Standard C95.1-1982). In this case, the combined cellular and microwave power density figures are four times less than the applicable standard and will not increase the power density to or above CGS 22-16(2).

-----

a The levels shown indicated the total power density in milliwatts per sq. cm. from all cellular and message alert antennas measured simultaneously.

The proposed addition does not constitute a "Modification" of an existing facility and does not change the site's boundary, as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the structure's height. There will be no increase in noise levels at the tower's boundary by six decibels or more. The total radio electromagnetic radiation power density is below the State standard. This addition will not have a substantially adverse environmental effect pursuant to Connecticut General Statutes, Section 16-50J-72(b)(2). For the reasons discussed above, the Partnership requests the Council to acknowledge that the Notice of modification meets the Council's exemption criteria.

Sincerely,

A handwritten signature in cursive script that reads "Peter J. Tyrrell".

Peter J. Tyrrell



## **ATTACHMENT 3**

CERTIFICATE OF SERVICE

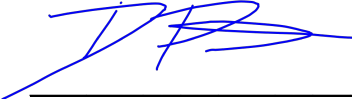
I herby certify that on the 25<sup>th</sup> day of June, 2021 one original and two copies of AT&T's Exempt Modification Request was sent to the Connecticut Siting Council electronically and via overnight mail and a copy of the same was sent via Certificate of Mailing to:

Mayor Joseph P. Ganim  
City of Bridgeport  
Margaret E. Morton Government Center  
999 Broad Street, 2<sup>nd</sup> Floor  
Bridgeport, CT 06608

Lynn Haig, AICP, Director of Planning  
City of Bridgeport  
Margaret E. Morton Government Center  
999 Broad Street, 2<sup>nd</sup> Floor  
Bridgeport, CT 06608

AT&T Capital Services  
Attn Property Tax Dept  
1010 Pine 9E-L-01  
St. Louis, MO 63101

Dated: June 25, 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